

SAN DIEGO MESA COLLEGE

2025–2026 CATALOG

Fall 2025, Spring 2026, Summer 2026

7250 Mesa College Drive
San Diego, California 92111-4998
619-388-2682
www.sdmesa.edu

Ashanti T. Hands, Ed.D.
President

San Diego Mesa College is accredited by the Accrediting Commission for Community and Junior Colleges of the Western Association of Schools and Colleges, 331 J St., Suite 200, Sacramento, 95814, 415-506-0234, an institutional accrediting body recognized by the Council for Higher Education Accreditation and the U.S. Department of Education. GED is a registered trademark of the American Council on Education and may not be used or reproduced without express written permission of the American Council on Education.

Welcome to Mesa College!

President's Message

Welcome to San Diego Mesa College!

As the Leading College of Equity and Excellence, Mesa College creates a welcoming and inclusive environment one that specializes in helping our students not only succeed academically, but have a sense of purpose and belonging. Mesa College is consistently ranked as one of the top community colleges in our region for transfer to the California State University and University of California system. With over 200 degree and certificate programs, over 30 of which focus on career education, including a Bachelor's degree program in Health Information Management, we specialize in preparing graduates to enter the workforce and earn a living wage job in their field of study.

Mesa College offers a comprehensive selection of day, evening, weekend, and online courses, catering to diverse student schedules, and leading to associate and bachelor's degrees as well as certificate programs. As one of the largest and most successful of California's community colleges, Mesa College takes pride in its high academic standards, its excellent programs and services, and commitment to student success and equity.

Mesa College has a vibrant campus life, with 19 sports, diverse clubs, a speech and debate team, dance and theatre arts, literature and writing, study abroad opportunities and an honors program. The College has multiple Centers, including Pride, Dreamers, Former Foster Youth, Veterans, Basic Needs, and the Parent Resource Center all designed with student success in mind. Mesa College is a Hispanic Serving Institution (HSI), an Asian American Native American Pacific Islander Serving Institution (AANAPISI), a Military Friendly Gold Status College, and the recipient of the FamilyU, a national certification for higher education institutions making significant strides towards intentionally serving parenting students.

This catalog will provide you with complete information about the college's programs, courses, requirements, and policies. You will find information about the college's services for students; counseling, library and media services, tutorial services, basic needs, support, child care, financial aid, health services, and special services for students with disabilities. The college counselors will answer any questions you may have about programs and services and will assist you in making your educational plans. To contact a counselor, call 619- 388-2672.

Once again, welcome to San Diego Mesa College! For over six decades, we have stood as a cornerstone in our community, and we're thrilled to have you join our journey. We are dedicated to making your Mesa College experience unforgettable and enriching, infused with equity and excellence and focused on your needs and aspirations.

Ashanti T. Hands, Ed.D.

President



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President

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Vice President for Legislative Advocacy

Marichu Magaña, Psy.D.

Vice President for Institutional Effectiveness

Maria Nieto Senour, Ph.D.

Vice President for Diversity, Equity, and Inclusion

Student Members 2025–2026

The Associated Student Government (ASG) elections are held at the end of the Spring semester. The Associated Student Presidents at City, Mesa, Miramar, and Continuing Education colleges will collectively serve as the Student Trustee and sit at the Board of Trustees meetings on a rotating basis. The Associated Student Presidents, who take on the role of Student Trustee, are voted by the student body to serve yearly terms commencing June 1 through May 31.

Chancellor and Secretary to the Board

Gregory Smith

District Administration

Gregory Smith

Chancellor

Jack Beresford

Vice Chancellor, Marketing, Communications, and Public Affairs

Jared Burns, Ph.D., J.D.

Vice Chancellor, People, Culture, and Technology Services

Laurie Coskey, Ed.D.

Vice Chancellor, Development and Entrepreneurship

Michelle Fischthal, DBA

Vice Chancellor, Institutional Innovation and Effectiveness

Joel L.A. Peterson, Ph.D.

Vice Chancellor, Operations, Enterprise Services, and Facilities

Susan Topham, Ed.D.

Vice Chancellor, Educational Services

Daniel Troy

Vice Chancellor, Finance and Business Services

Margaret Lamb

Director, Chancellor's Office Operations



The SDCCD Board of Trustees includes, from left, Craig Milgrim, Maria Nieto Senour, Geysil Arroyo, Mariah Jameson, and, Marichu Magaña

San Diego Mesa College Administration

President	Ashanti T. Hands, Ed.D. 619-388-2721, Room A-104
Vice President, Administrative Services	Lorenze Legaspi 619-388-2990, Room A-102
Vice President, Instruction	Isabel O'Connor, Ph.D. 619-388-2755, Room A-103
Vice President, Student Services	Larry Maxey 619-388-2678, Room I4-401
Acting Dean, School of Arts and Languages	Denise Rogers 619-388-2873, Room G-201
Dean, School of Business and Technology	Monica Romero 619-388-2803, Room BT-202
Dean, School of Health Sciences/ Public Service	Cassandra Storey 619-388-2789, Room S-300
Dean, School of Humanities	Linda Hensley 619-388-2797, Room G-201
Dean, Institutional Effectiveness	Hai Hoang 619-388-5035, Room A-109
Dean, School of Learning Resources and Academic Support	Lorie Crosby Howell, Ph.D. 619-388-2799, Room LRC-434
Dean, School of Mathematics and Natural Sciences	Jennifer Carmichael, Ph.D. 619-388-2795, Room MS-301
Dean, School of Exercise Science/ Health Ed., Dance, and Athletics	Ryan Shumaker, Ed.D. 619-388-2737, Room ES-203
Acting Dean, School of Social and Behavioral Sciences/Multicultural Studies	Linda Hensley 619-388-2801, Room SB-304
Dean, Student Affairs	Victoria Kerba Miller 619-388-2699, Room I4-408
Dean, Student Development	Cynthia Rico, Ed.D. 619-388-2896, I4-401
Acting Associate Dean, Research and Innovation	Nancy Cortez 619-388-2509, Room A-109
Associate Dean, Career Technical Education	Alex Berry 619-388-5025, Room BT-104

Dean, Student Success and Equity	Leticia A. Diaz 619-388-5940, I4-401
Director, EOPS and Special Programs	Karla A. Trunta 619-388-2706, Room I4-309
Director, Admissions & Records	Ivonne Alvarez 619-388-2689, Room I4-410
Director, College Technology Services	David Fierro, Ed.D. 619-388-2764, Room MC-215
Director, Financial Aid	Saúl Quiroz 619-388-2820, Room I4-107
Director, Development and Entrepreneurship	Krista Stellmacher 619-388-2285, Room A-111
Acting Project Director, STEM HSI	Amanda Fusco 619-388-2394, Room LRC 461
College EEO/504/Discipline Officer	Claudia Perkins 619-388-2699, Room I4-408
Director, MESA (Mathematics, Engineering, Science Achievement)	Robert Monroy 619-388-7143, Room MS-115A

Accreditation

San Diego Mesa College is accredited by the Accrediting Commission for Community and Junior Colleges, Western Association of Schools and Colleges, 331 J St., Suite 200, Sacramento, CA 95814, (415) 506-0234, an institutional accrediting body recognized by the Council for Higher Education Accreditation and the U.S. Department of Education. Additional information about accreditation, including the filing of complaints against member institutions, can be found on [ACCJC's](#) website under the Resources dropdown menu. Mesa College is also approved by the California State Department of Education. In addition, certain programs at Mesa College hold special accreditation:

Recognized by the American Board of Registration of Electroencephalographic and Evoked Potential Technologists (ABRET)

Dental Assisting—Dental Board of California (DBC) and Commission on Dental Accreditation of the American Dental Association (CODA)

Health Information Management—Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM) Health Information Technology—Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM)

Physical Therapist Assistant—Commission on Accreditation in Physical Therapy Education (CAPTE) of the American Physical Therapy Association (APTA)

Radiologic Technology—Joint Review Committee on Education in Radiologic Technology (JRCERT)

Veterinary Technology—American Veterinary Medical Association (AVMA) and Committee on Veterinary Technician Education and Activities (CVTEA)

Mesa College is approved by the Office of Private Postsecondary Education for the training of veterans as well as by the U. S. Department of State and the U.S. Immigration Services for international student education. Courses paralleling university level work are accepted by the University of California, the California State Universities, and by other universities and colleges.

Persons interested in the institution's accreditation and program approvals may review documents describing these activities in the President's Office. These documents will be available for such review at a mutually convenient time during regular business hours, and an appropriate interpretation of their contents will be provided if requested.

Disclaimer

The San Diego Community College District is governed by its Board of Trustees. No oral or written representation by any employee of the college is binding on the San Diego Community College District without the express approval of the Board of Trustees.

Academic Freedom & Freedom of Expression

(Board of Trustees Policy - BP 4030)

The San Diego Community College District is committed to an academic environment that embraces the principles of academic freedom and freedom of expression. This commitment is based upon the value that free expression is essential to excellence in teaching, learning, critical inquiry and service to the community.

You may view a full copy of the policy by accessing the [Board Policy website](#).

1. Academic Freedom

- a. Academic freedom affords the faculty the right to speak and write freely, without unreasonable restrictions or prejudices.
- b. In accordance with the doctrine of academic freedom, faculty have the following fundamental rights:
 1. Faculty primacy as a collective body in designing and approving curriculum and instructional methods regardless of delivery modality;

2. Individual faculty member determination of instructional materials, course content, and presentation, and student evaluation methods, in concert with colleagues, so as to assure consistency of instruction; and academic standards;
3. Individual faculty member freedom to discuss subject matter of the course, as appropriate to the standards of the discipline and academic community, even when that material is controversial;
4. Individual faculty member authority to evaluate enrolled students on the basis of the academic merit of the students' performance;
5. Individual faculty member freedom to choose of professional research topics and methods of investigation—subject to professional and peer-determined standards—as well as unconditional freedom to publish their work; and
6. Individual faculty member right to participate in curriculum review, accreditation processes, and other forms of participatory governance.

2. Freedom of Expression

- a. Freedom of expression affords the faculty, staff, and students the right to speak and write freely in accordance with the constitutional protections of free speech-without fear of retaliation. In particular:
 1. The District shall protect the rights of faculty to express their views in the classroom that pertain to class content. While it is understood that controversy is often at the core of inquiry, such controversy should be addressed in a mutually respectful manner;
 2. The District shall protect the rights of faculty, staff, and students to speak freely on matters of public concern;
 3. Faculty, staff, and students are free to explore a wide range of views and judge the merits of competing ideas;
 4. As outlined in board policies and administrative procedures, faculty, staff, and students have responsibilities which are based upon principles of fairness, integrity, confidentiality, safety, professionalism, and respect for others;
 5. Faculty, staff, and students have the right to join or form organizations in accordance with District policy and procedures; and
 6. Faculty, staff, and students have the right to participate in governance in accordance to District policy and procedures.

The San Diego Community College District

The San Diego Community College District is charged with educating all adults 18 years of age and older in the City of San Diego. The District provides education at several levels, from adult basic education through baccalaureate level college degree programs. The District has three fully accredited colleges, City, Mesa, and Miramar. The District also has a separately accredited noncredit Continuing Education Program. The District is governed by a Board of Trustees consisting of five voting members elected by the people of San Diego and a student trustee elected by District college students. The Chancellor is the Chief Executive Officer in charge of day to day operations.

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Academic Calendar 2025-2026

Fall Semester 2025

16-WEEK
SEMESTER: Fall
Classes August 25, 2025 – December 20, 2025

April 11, 2025 Deadline to file an application for admission and receive a registration date and time for the Fall semester. Students who file an application after the deadline will register during open registration.

August 25, 2025 Residence Determination Date (Applies to All Sessions)

September 1, 2025 Holiday – Labor Day*

September 17, 2025 Constitution Day and Citizenship Day (Classes are in session)

November 11, 2025 Holiday – Veterans Day*

November 15, 2025 Last day to file a petition for graduation for an Associate Degree or Certificate of Achievement for Fall 2025 completion.

November 24 – 26, 2025 Classes not in session

November 27 – 28, 2025 Holiday – Thanksgiving*

December 22, 2025 – January 3, 2026 Winter Recess

Interession 2026

4-WEEK
INTERSESSION: January 5 – 30, 2026

Spring Semester 2026

16-WEEK
SEMESTER:
Spring Classes

February 2, 2026 – June 1, 2026

October 17, 2025	Deadline to file an application for admission and receive a registration date and time for the Spring semester and Intersession. Students who file an application after the deadline will register during open registration.
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January 19, 2026	Holiday – Martin Luther King Day*
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February 1, 2026	Residence Determination Date (Applies to all sessions including intersession)
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February 13, 2026	Holiday – Lincoln Day*
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February 16, 2026	Holiday – Washington Day*
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March 30 – April 2, 2026	Spring Recess – Classes not in session.
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April 3, 2026	Holiday – Cesar Chavez Day*
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April 30, 2026	Last day to file a petition for graduation for an Associate Degree or Certificate of Achievement for Spring 2026 completion.
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May 25, 2026	Holiday – Memorial Day*
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Summer Semester 2026

Summer Classes	June 2, 2026 – August 8, 2026
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Primary 8 Week	June 15, 2026 – August 8, 2026
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April 10, 2026	Deadline to file an application for admission and receive a registration date and time for Summer semester. Students who file an application after the deadline will register during open registration.
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June 1, 2026	Residence Determination Date (Applies to all sessions)
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June 19, 2026	Holiday – Juneteenth*
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July 3, 2026	Holiday – Independence Day* (July 4 Holiday Observed – Independence Day)
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July 31, 2026	Last day to file a petition for graduation for an Associate Degree or Certificate of Achievement for Summer 2025 completion.
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* No Saturday or Sunday classes after a Friday holiday. No Sunday classes before a Monday holiday. Note: Holidays apply to all sessions.

General Information

History

San Diego City College, San Diego Mesa College and San Diego Miramar College are public two-year community colleges administered by the San Diego Community College District. Also under the auspices of this district are the Continuing Education division with six major centers throughout San Diego, and the Educational Cultural Complex which offers both college and continuing education courses. These educational programs carry out the charge made by the voters of San Diego in 1972, that the San Diego Community College District provide education for all high school graduates and adults 18 years of age and older in the district. This charge includes providing adult basic education through sophomore-level college degree programs, with both academic and vocational curricula.

Community college education in San Diego can be traced to 1914 when the Board of Education of the San Diego City Schools authorized postsecondary classes for the youth of San Diego. Classes opened that fall at San Diego High School with four faculty members and 35 students.

City College was first established in 1916 and was located at San Diego High School. For 25 years the Junior College program was located at San Diego State University. In 1938, the San Diego Vocational Junior College was established to offer training in technical-vocational skills to post high school students. The following year the San Diego Evening Junior college was set up to provide college classes in the evening for adults unable to attend day classes.

In 1964, San Diego Mesa College was opened to 1,800 students. Five years later, in 1969, San Diego Miramar College opened on 140 acres in what was then undeveloped land north of the Miramar Naval Air Station, now known as Mira Mesa. Unlike City and Mesa Colleges which offered a range of general education classes, Miramar College began by concentrating on law enforcement and fire science training. It has since broadened its curriculum to include the general education college courses needed by students in the rapidly growing northern area of the city.

In November 1972, the voters approved separating the San Diego Community College District from the San Diego Unified School District. The first election of community college district trustees was held in November 1973. The year 1976 brought the opening of a unique district campus, the Educational Cultural Complex, dedicated to offering both college and continuing education classes to the multicultural population surrounding its Ocean View Boulevard site. In 1979-80 the administration of the Evening College program was merged with those of the day college programs at San Diego City, San Diego Mesa, and San Diego Miramar Colleges.

With both college and continuing education programs, the San Diego Community College District is the second largest community college district in California and offers a choice of educational programs unparalleled in the region.

Statement of Philosophy

The general education program at the colleges in the San Diego Community College District is designed to broaden students' knowledge and their understanding of methods of gaining knowledge in a variety of disciplines and to develop students' abilities in critical thinking, in oral and written communication, and in mathematics.

The awarding of an Associate Degree symbolizes the intent of the college to lead students through patterns of learning experiences designed to develop an awareness of other cultures and times; to achieve insights gained through experience in thinking about ethical problems; and to develop the capacity for self-understanding. In addition to these accomplishments, students should possess sufficient depth in some field of knowledge to contribute to lifetime interest.

Institutional Learning Outcomes

Communication

- Respond appropriately to incoming information in a variety of ways, including: written, oral, visual, auditory, and kinesthetic
- Communicate awareness of how diversity and multiple perspectives shape and impact individual experiences and society as a whole
- Converse with civility and appropriateness for situational context

Critical Thinking

- Effectively interpret, analyze, synthesize, explain, and infer concepts and ideas
- Construct and deconstruct arguments
- Demonstrate quantitative or qualitative competency
- Apply problem-solving methods in appropriate context toward making decisions
- Come to rational conclusions based on evidence
- Think independently, creatively, and logically

Information Literacy

- Gather, analyze, evaluate, and disseminate appropriate information using multiple modalities
- Utilize 21st-century tools effectively, ethically, and responsibly in information acquisition and distribution
- Cultivate the skills necessary for life-long learning

Professional and Ethical Behavior

- Practice responsible, professional, and civil conduct in the classroom, workplace, community, digital world, and the natural environment
- Demonstrate the ability to work both independently and collaboratively
- Develop the cultural sensitivity needed to resolve conflicts and build alliances

Global Consciousness

- Recognize the interconnectedness of global, national, and local concerns from multiple perspectives
- Exhibit awareness, appreciation, and respect for the diversity of individuals in one's immediate environment as well as in the global community
- Apply knowledge of diversity and multicultural competencies to promote equity and social justice in our communities

Vision, Mission Statement, Values and Strategic Directions

Vision

To be the leading college of equity and excellence, educating students to shape the future.

Mission

San Diego Mesa College is a comprehensive community college committed to access, success, and equity. We honor those commitments as a diverse community of faculty, students, professional staff, and administrators who collaborate to foster scholarship, leadership, innovation, and excellence in an inclusive learning environment. By promoting student learning and achievement that leads to degrees and certificates, transfer, workforce training, and lifelong learning, we empower our students to reach their educational goals and shape their future

Values

- Access
- Accountability
- Diversity
- Equity
- Excellence
- Freedom of Expression

- Integrity
- Respect
- Scholarship
- Sustainability

Strategic Directions

How we assess effectiveness

1. Deliver, advance, and support an inclusive teaching and learning environment that enables all students to achieve their educational goals.
2. Build and sustain a sense of community that extends across campus and constituencies, nurturing collaboration, learning, growth, and diversity.
3. Build and sustain pathways in support of the comprehensive community college mission.
4. Support innovation in our practices.
5. Support personal growth and professional development of our employees.
6. Serve as stewards of our resources and advance effective practices in support of accountability

Disclaimer

While every reasonable effort has been made to ensure that statements in this catalog are accurate, it must be understood that the information contained herein is subject to change or elimination without notice by the administration of the San Diego Community College District. Students should consult the appropriate campus or department for current information, as well as for any special rules or requirements imposed.

Admissions and Registration

Student Success and Support Program

The goals of the Student Success and Support Program (SSSP) are to ensure that all students complete their college courses, persist to the next academic term, and achieve their educational objectives through admissions, orientation, assessment, educational planning with a counselor, and student follow-up.

Steps to Student Success

Step 1 – Admission Application

Step 2 – Apply for Financial Aid

Step 3 – Orientation

Step 4 – Placement

Step 5 – Educational Plan

Step 6 – Register and Pay

Step 7 – Follow up with a counselor

These services have been designed especially for students who intend to earn a certificate or degree at the college or to transfer to a four-year college or university. However, the services are available to all students admitted to the college, and all students are encouraged to participate in the various services of the program.

Step 1-Admission Application

Admission is open to anyone who meets one of the following criteria:

- Persons who possess a high school diploma or California high school proficiency exam certification or a high school equivalency certificate.
- Persons 18 years of age or older or emancipated minors who do not possess a high school diploma or equivalent may be admitted by the college under provisional admission status.
- High school students requesting concurrent enrollment may be admitted as “special part-time” students subject to the following criteria:
 - a. Students may enroll in fewer than 12 units and have their enrollment fees waived.
 - b. Students will be assessed ALL enrollment fees if enrolled in 12 or more units for classes taught on college campus.
 - c. All holds must be cleared prior to registration.
 - d. High school students must satisfy course prerequisites and eligibility requirements.
 - e. Enrollment in Physical Education classes will not be permitted.
 - f. The course is advanced scholastic or technical (college degree applicable).
 - g. The course is not available at the school of attendance.
 - h. Students will be given college credit for all courses. Grades will be part of the student’s permanent college record.
 - i. Students must maintain a 2.0 grade point average each semester in all college work.
 - j. If the number of units of W, I and NP reaches 50%, in any semester or session, the student will be academically dismissed. Students whose grade point average falls below a 2.0, or who do not complete more than 50% of all units attempted, will not be permitted to re-enroll without approval from a college counselor.
- Persons who are under 18 years of age who do not have a high school diploma and are not enrolled in a high school may be admitted as a special full-time student pursuant to Education Code §48800.5 subject to

approval of the high school governing board and the college President where the student is planning to attend. Special full-time students will be admitted under provisional admission status.

- Persons who do not meet one of the admission criteria stated above will not be admitted under any circumstances.

In accordance with §76038 of the California Education Code, students seeking admission who have been previously expelled from a California community college within the past five years, or who are currently in the process of a formal expulsion hearing for any offense listed in *AP 5010, Student Admission Status, 2.a.1-7*, are required to inform the District. Admission eligibility shall be determined in accordance with *AP 5010, Student Admission Status*.

Important Note: All new students must file an application for admission. Students who have previously attended, but have not been in continuous attendance for one year must file a new application for admission.

Apply Online

Applications for admission to San Diego City, Mesa, and Miramar Colleges are available online. Students access the [online application](#).

Social Security Number

If you have been issued a social security number (SSN) or individual tax identification number (ITIN), your academic record must be updated to include this information. SSNs and ITINs are required for federal and state reporting, and they are used for financial aid processing. Your SSN is maintained in a secure manner and will not be visible or released to third parties for identification purposes. However, the Financial Aid Office may use your SSN to verify your identity and to retrieve your records.

Section 483 and 484 of the Higher Education Act of 1965, as amended, also gives the Financial Aid Office the authority to collect your SSN. The U.S. Department of Education uses your Social Security Number to verify your identity and retrieve your records. Providing incorrect information may result in penalties from the IRS.

All students will be assigned a unique 10-digit Student Identification number upon successful submission of their application that will be required to conduct all college business.

Step 2-Apply for Financial Aid

To apply for financial aid applicants must complete the Free Application for Federal Student Aid (FAFSA), or a California Dream Act application for all financial aid, including the California College Promise Grant – CCPG. To complete your FAFSA, visit the [FAFSA website](#). To complete a California Dream Act application, visit the [California Student Aid website](#).

Step 3-Orientation

The orientation provides important information to students about the programs and services available at the college as well as strategies for student success. Orientation includes program planning. Non-Exempt students who have been admitted to the college are expected to complete an orientation before registering for classes. Get started with the [New Student Orientation](#).

Step 4-Placement

Placement is a process that is designed to assist students in determining which English or English Language Acquisition (ELAC) and math courses they should start with, specifically identifying milestones in each of these areas. Placement also helps students in meeting course prerequisites. Students may also meet course prerequisites based on other factors such as English or ELAC and math course completion or other standardized tests.

Placement via College Application

Students who have graduated from a U.S. high school will receive the placement levels based upon high school performance information that is provided on the application for admission. The college application (CCCApply) will identify English and math courses that students can enroll in using prior high school history. Students will report cumulative, unweighted high school GPA, courses completed, and grades received in English and math courses.

Placement via Placement Assistant

Students who have graduated from a U.S. high school more than 10 years ago, completed the GED, or HiSet exam are eligible for this assessment. The Placement Assistant will identify courses that students can enroll in using prior academic history. Students will report cumulative, unweighted high school GPA, courses completed, and grades received in English and math courses. Based on the information reported, students will receive an English and math placement milestone. Students who graduated from a foreign high school should contact the Assessment Center for guidance.

English Language Acquisition (ELAC) Assessment

The ELAC guided self-placement process is designed for students primarily educated outside of the United States in a language other than English. All students will receive a placement milestone that allows them to register for a college-level English class. Students who feel they may benefit from taking an English Language Acquisition class (ELAC) before a college-level English class (ENGL) are asked to use the [ELAC guided self-placement tool](#). Students will receive an ELAC placement milestone of L19, 20, 30, or 40, to help determine which ELAC class students should enroll in.

Please contact your [Admissions Office](#) for guidance.

San Diego College of Continuing Education (SDCCE) students should use the "SDCCE to College Bridge" as a guide to which ELAC and English courses they may be eligible to enroll in. They should then take the [ELAC guided self-placement tool](#) to receive an ELAC placement milestone.

Challenge Process

Students who believe they have sufficient grounds may challenge a prerequisite, corequisite, or limitation on enrollment. A student may obtain a [Petition to Challenge form](#).

SDCCE to College Bridge

CE Course/Course Completion Certificate	Enroll in College Course/ Level Recommendation
ESLA 431 Beginning Literacy 1	
ESLA 432 Beginning Low 2	
ESLA 433 Beginning High 3	ELAC 15 or ELAC 23 and ELAC 25
ESLA 434 Intermediate Low 4	ELAC 23 and ELAC 25 or ELAC 33 and ELAC 35
ESLA 435 Intermediate High 5	ELAC 35 or ELAC 145
ESLA 436 Advanced Low 6	ELAC 145

CE Course/Course Completion Certificate	Enroll in College Course/ Level Recommendation
ESLA 437 Advanced High 7	ENGL C1000X (ENGL 101/31) or ENGL 105X (ENGL 105/31)

Approved High School Senior Year-Long Courses

English:

- Expository Reading & Writing Course (ERWC)
- IB English
- AP Language and Composition
- AP Literature and Composition
- Weighted Honors English

Math:

- Trigonometry
- Math Analysis
- Pre-Calculus or Calculus
- AP Calculus AB or BC
- AP Statistics
- AP Physics

A qualifying score from the College Board Advanced Placement English or Math Exam may be taken directly to the college Counseling office for consideration. Please refer to the College Catalog for AP exam score requirements.

Step 5-Educational Plan

An education plan is an important tool to assist students in successfully attaining their goals without wasted time and effort. Counseling and career planning services are available to help students make informed choices concerning the programs and courses available.

The education plan is an agreement which contains the official requirements for graduation and/or transfer. Important Note: All official transcripts of prior college work must be on file and evaluated before an official education plan can be prepared. Transcripts from foreign institutions are not required. See the [Graduation](#) section for graduation filing requirements.

Education plans outline a suggested pathway for a student to take based on their major, transfer plans, or other pertinent objectives. These plans allow students to determine how long it will take to complete a program of study and to be sure that all program requirements can be met within a particular period of time. The student should review their education plan periodically with a counselor as goals or objectives change.

Career, interest, and aptitudes assessments are available for students who wish to explore other options or who are undecided on their educational goal.

Step 6-Register and Pay

Students who submit an application before the application deadline will be able to register on or after their assigned enrollment date and time. Enrollment appointments are emailed and posted in the [mySDCCD portal](#). Students who submit an application after the deadline may register during open enrollment. Online Registration Steps and Tips can be found [online](#). Students are responsible for ensuring that all fees, including the Health Fee (which is not covered by the California College Promise Grant – CCPG waiver) are paid in full by the deadline or they may be dropped for nonpayment. Pay online or in person at the Accounting Office.

Step 7-Follow up with a Counselor

Follow-up services are available to all students as part of the college's commitment to student success. These services include a periodic review of student progress and education plans to assist students in reaching their educational goal. Students who need additional support services will be referred to those services.

Exemptions

Students who meet the following criteria are exempt from components of the matriculation process:

1. Admission Application

- No exemptions

2. Apply for Financial Aid

- No exemptions

3. Orientation

- Students with the following educational goals:
 - Maintenance of a certificate or license, educational development, or completion of credits for high school diploma
 - Students who have an associate degree or higher
 - Students concurrently enrolled at a four-year college or university
 - Students concurrently enrolled in high school

4. Assessment

- Students with the following educational goals:
 - Maintenance of a certificate or license, educational development, or completion of credits for high school diploma
 - Students who have an associate degree or higher
 - Students concurrently enrolled at a four-year college
 - Students concurrently enrolled in high school

5. Educational Plan

- Students with the following educational goals:
 - Maintenance of a certificate or license, educational development, or completion of credits for high school diploma
 - Students who have an associate degree or higher
 - Students concurrently enrolled at a four-year college
 - Students concurrently enrolled in high school

6. Register and Pay

- No exemptions

7. Follow up with a counselor

- No exemptions

Registration

With the exception of Special-Admit High School students, all students receive a registration appointment. Students can enroll in classes on or after this date and time within the San Diego Community College District's online registration system, mySDCCD. Special Part-Time High School students must complete the [Supplemental Application for High School Students](#).

By using the online class schedule and the online registration system (my.sdccd.edu), a student can enroll in any available course offered at ECC, City, Mesa, or Miramar Colleges. [Instructions](#) for the class schedule and online registration are available on campus and online.

The online services offered in mySDCCD include:

- Enrollment – add, drop & withdraw from classes
- Student's current class schedule and waitlisted classes
- Pay fees and view payment records
- Enroll in a Payment Plan
- Purchase a parking permit or Bus Pass
- Purchase an Associated Students Membership
- Wait List activities – adding, dropping and view
- Wait List status
- Pass/No Pass grading options
- View Financial Aid
- View attendance hours for tracking classes
- View Milestones
- Academic deadlines and calendar

Important Note: You may only access one semester at a time.

The portal also grants access to:

- Grade information
- Academic history
- Petitions to graduate
- Ordering transcripts
- View 1098-T tax information

My Planner

Students now have access to My Planner, a tool to help you select classes from your education plan (academic requirements) and assign them to a specific term(s)/semester(s). Log into the mySDCCD Student Portal, under the My Classes banner, click on the [My Planner](#) link to get started.

Audit Policy

Auditing courses is not permitted under any circumstances. Students must be officially enrolled in all classes which they attend.

Online Class Restrictions

In accordance with federal regulations City, Mesa, and Miramar colleges may not permit students residing outside of California to enroll in online classes without approval of the state where the student resides. Students residing in a non-approved state/territory are not permitted to enroll in online classes and will be dropped. The following is an [up-to-date list of restricted states and territories](#).

Responsibility for Maintaining Accurate Registration

It is the student's obligation to add, drop, or withdraw from classes before the deadlines stated in the class schedule. This applies even if the student has never attended class. Any student who anticipates difficulty in paying fees should check with the Financial Aid Office about eligibility and sources of assistance. Registration may be canceled for nonpayment of fees.

Time/Schedule Conflicts

- Students may not register for classes with times that overlap (includes 10 minute passing period).
- Students may not enroll in two classes of the same subject and course number if the start and/or end date of one class, overlaps with the other class.

Online Class Schedule

Up-to-date class schedule information and course descriptions for each college and CE campus are available [online](#). A search engine allows students to search for classes by many factors including: academic subject, time and day, Instructor or a keyword.

Wait List

Students may place themselves on a class Wait List before the class start date, if the class is full with a status of 'Wait List'.

After a class has started, students will only be able to add the class with a permission number from the instructor. Students wanting to enroll in an ONLINE course after it has started, must contact the instructor via email if they wish to have their Wait List priority considered. Refer to the [Faculty Directory](#) for instructor emails.

Criteria:

- Students may place their name on only one Wait List for a specific subject and course number.
- Students must meet course prerequisites to be placed on the Wait List.
- Students who are on a Wait List and later choose to enroll in another class section of the same subject and course number will be required to remove themselves from the Wait Listed class before they can ADD the similar class section.
- Students can check their position number on the Wait List on *mySDCCD*.
- Students have the option to remove themselves from the Wait List at any time.
- There is a limit to the number of students allowed on each Wait List.
- When a space becomes available in the Wait Listed class:
- Wait Listed students will automatically be added to the class if a space becomes available and they are eligible to enroll. An email will be sent to students after they have been added to the class . It is the student's responsibility to monitor the payment schedule.
- When students are not eligible to enroll due to a hold or time conflict or a failed requisite, they will be notified of the conflict and will be given three (3) business days, including the day of notification, to resolve the issue. If students do not add their Wait Listed class within the 3-day period, they will be removed from the Wait List.
- It is the student's responsibility to check their email or *mySDCCD* for the status of their Wait Listed class(es) in order to pay fees in a timely manner. (Fees will need to be paid immediately, prior to the class start date and before the drop for non-payment date.)
- Students remaining on the Wait List after classes begin MUST attend the first class meeting (or email their Online Instructor) to have their Wait List priority considered by the instructor.

Adding Classes

Students may add classes online until the deadline date published in the schedule of classes. Students will not be allowed to add classes beyond the published deadline.

To add a class once the semester has begun, students must obtain a permission number from the instructor, then must process and pay for the added class online or in person at the Accounting Office, K1-205.

Students are not officially enrolled until the permission number is processed through the online registration system and fees are paid in full. Permission number for Special Admit part-time high school and Joint Diploma students must submit an online form: [Supplemental Application for High School Students](#) and will be registered by the college Admissions Office prior to the add deadline.

If an instructor finds that a student has given his or her permission number to another student, the instructor should administratively drop the student who was not issued the permission number.

Class Attendance

Students who do not attend the first class meeting may be dropped by the instructor. Students who cannot attend because of illness, religious observation, or a serious problem should notify the instructor. Students who miss the first class meeting and do not plan to attend must log-in online and drop the class to avoid receiving an "F" grade.

Important Note: It is the student's responsibility to drop by the published deadlines.

Drop/Withdrawal from Classes

Students may drop or withdraw from classes online until the published deadline dates. Deadline dates are available in mySDCCD under "My Classes", click the 'Class Nbr' and select 'Deadline Dates', or find your class in the [class schedule](#) and select the class 'Dates'.

- It is the student's responsibility to drop all classes in which he/she is no longer participating.
- Students who remain enrolled in a class beyond the published withdrawal deadline, as stated in the online class schedule, will receive an evaluative letter grade.
- Final grades may be affected by attendance as described in the class syllabus.

Drop—ending enrollment in a class prior to about the 20% point of class meetings. A drop is not recorded on the student's academic record.

Withdrawal—ending enrollment in a class between about the 20% point and up to about the 60% point of class meetings. A withdrawal is a permanent symbol on the student's academic record and is included in progress probation and dismissal determination.

Administrative Drop

Registration may be administratively canceled for the following reasons:

1. Failure to pay all mandatory fees in accordance with the fee payment schedule;
2. Using a permission number issued to another student;
3. Failure to meet the terms and conditions of a fee deferment or payment plan;
4. Failure to meet academic or progress standards;
5. Denial of a "Petition to Challenge a Prerequisite";
6. Failure to meet a prerequisite or co-requisite Requirement;
7. Enrolling in an online course while residing in a state not approved by the department of education;
8. Students who do not show proof of immunizations before beginning lab hours at the Child Development Center.

Exclusion from Classes

A student may be excluded from class or the college whenever the student:

1. Exhibits behavior which interferes with the educational process. An instructor may remove a student from two class sessions for disruptive behavior. (Refer to BP 5500: Student Rights, Responsibilities, Campus Safety and Administrative Due Process); or
2. Is found to have a communicable disease which requires isolation pursuant to a directive from the County Department of Public Health.

Study Load Limit

The maximum study load for a semester is 20 academic units including Exercise Science activity units.

Students are reminded that each unit of credit is calculated to involve a total of at least three hours of classroom and outside time per week. Thus, a 20-unit study load represents a minimum 60-hour work load each week. Students working full-time are advised NOT to attempt a full-time college program.

Twelve units of credit is considered a minimum full-time program during a semester; nine units is three-quarters time, and six units, half-time.

The maximum study load for summer session is 12 academic units including Exercise Science activity units.

Six units of credit is considered a minimum full-time during the summer session; four units is three-quarters time, and three units, half time.

Important Note: Study load requirements may vary at each college for financial aid purposes. Inquire at your college Financial Aid Office for detailed information.

Basic Skills Unit Limit

Title 5, 55035 states: "...no student shall receive more than 30 semester units of credit for basic skills coursework." Registration will be blocked prior to students reaching this limit so that students can meet with a counselor to ensure that they are successful when this unit limit is met. Students with a verified learning disability are exempt from this limitation (contact the DSPS office for more information).

Priority Enrollment System

Consistent with state law and the goal of providing a fair and equitable registration system for all students, the San Diego Community College District has established the following priority system for assigning registration appointments.

Priority Groups

Group 1

- Active Military & Veterans who meet the eligibility criteria*, Current and Former Foster or Homeless Youth**, CalWorks, EOPS and DSPS students, Intercollegiate Athletes***, Apprenticeship Students****, Rising Scholars, Parents of children under the age of 18. Students who have not completed orientation, and have an Education Plan (Academic Advisement Report) are placed at the end of this group.

Group 2

- Continuing Students who have completed orientation, assessment, and have an education plan (Abbreviated education plans only grant a student priority for 2 semesters.)
- Continuing CE Advantage Students

Group 3

- New & Returning Students who have completed orientation, assessment, and have an education plan (Abbreviated education plans only grant a student priority for 2 semesters.)

Group 4

- Continuing, New & Returning Students who have not completed all three services: orientation, assessment, and have an education plan.

Group 5

- Students with 100+ Units (Does not include Basic Skills units.)†

Group 6

- Students with a Baccalaureate Degree†

Group 7

- Students who are academically dismissed or dismissed for lack of progress or who have not yet returned to good academic standing†.

Group 8

- Students concurrently enrolled in High School

Within each priority group above, students are prioritized according to cumulative units, including transfer units.

Range

50.0 – 72.0 units

30.0 – 49.9 units

15.0 – 29.9 units

00.0 – 14.9 units

72.1 – 89.9 units

90.0+ units

* Students who are Active Duty Military or Veterans, discharged within the past fifteen (15) years, may be eligible for up to 4 years of priority registration. Students should contact the Admissions Office for additional information. A military ID card or DD214 will be required for verification.

** Current and Former Foster or Homeless Youth under 25 years of age may be eligible for priority registration. For information, contact the College Admissions Office or Financial Aid offices.

*** Intercollegiate Athletes participating and registered on a team roster may be eligible for priority registration. For information, contact the College Athletic Department.

**** Students enrolled in a restricted apprenticeship program may be eligible for priority Registration. Contact the College Admissions Office or the department of the Apprenticeship Program.

† Active Military & Veterans, Current and Former Foster or Homeless Youth, Intercollegiate Athletes, Apprenticeship, Rising Scholars, Parents, CalWorks, DSPS & EOPS students will receive first priority within this group.

Change of Name, Mailing or Email Address

All students must report immediately any change of address to the college Admissions Office or through the [mySDCCD portal](#). Failure to provide this information will result in delays in registration, and other important information sent by the college. Name changes must be supported with legal documentation and a picture ID and reported in person at the Admissions Office.

Prerequisites, Corequisites, Limitations on Enrollment and Advisories

Plan ahead! All prerequisites, corequisites, and limitations on enrollment stated in the course descriptions listed in this catalog will be strictly enforced at the time of registration. Students who do not meet the prerequisite requirements according to college records will not be permitted to register for the course. Students who believe they have met the prerequisite at another institution are strongly advised to have all transcripts of prior college work evaluated and on file well in advance of registration to minimize registration delays.

Important Note: Unofficial transcripts are accepted for prerequisite clearance.

Students should plan their schedules early and see a counselor for assistance.

Prerequisites

Prerequisites are courses that must be completed with a "C" or better prior to registration in a specific course.

Corequisites

Corequisites are courses that are required to be taken the same semester as another course.

Limitations on Enrollment

Limitations on Enrollment are other restrictions that are stated in the course description such as "not open to students with credit in..."

Advisories

Advisories are departmental recommendations to be completed prior to enrolling in the course. Advisories do not prevent a student from enrolling, but are strongly encouraged by the department for a student's academic success.

Challenge Procedures

Students who believe they have sufficient grounds may challenge a prerequisite, corequisite, or limitation on enrollment in a specific course (the student does not get units for a challenged class).

A student may obtain a petition to Challenge online via the mySDCCD Support Desk and then selecting the [Petition to Challenge form](#). The completed petition with supporting documentation must be filed in the Admissions Office at least 10 working days prior to the start of the primary term/semester. Contact the Admissions Office for additional information. For credit by examination, please refer to applicable section.

Residency

Residency is determined when a student applies for admission to the College. The following paragraphs summarize the rules and regulations related to student residency for tuition purposes. Details are found in the CA Education Code Section 68000, Title 5, sections 54000-54072.

Residency Status

Every person who is married or is age 18 or older and under no legal restriction may establish residence. Certain minors may also establish residence.

- A California "resident" is a person who has resided in the state for more than one year prior to the residence determination date and shows "intent" to make the state of California their permanent residence.
- An undocumented student is precluded from establishing residency. Restrictions also apply to some visas; please see the Admissions Office.
- The residence determination date is the day immediately preceding the first day of classes for each semester.

Factors Considered to Determine Residency

No one factor determines residency. The following factors are called "indices of intent." They, along with a person's presence in California, are among the factors considered in determining California residency:

- Filing California state and federal tax returns with W-2 form (required)
- Possessing a California driver's license and a vehicle registered in California
- Voting in California
- Owning residential property in California for personal use
- Being licensed to practice a profession in California
- Having an active checking and/or savings account in a California bank
- Showing California on military records (Leave and Earnings Statement)
- Possessing a marriage license or a divorce decree issued in California
- Having paid nonresident tuition in another state

Exceptions to Residency Requirements

Several exceptions to the residency rules apply. They include, but are not limited, to the following:

- Active duty military personnel and their dependents stationed in California
- Active military and dependents previously stationed in California, who are currently enrolled, and subsequently receive orders to change their duty station to out-of-state
- A Veteran or dependent using or intending to use their GI Bill® benefits while currently living in California and has enrolled at San Diego City, Mesa or Miramar College. "GI Bill®" is a registered trademark of the U.S.

Department of Veterans Affairs (VA). Information on the clause is located on the GI Bill Trademark form included in the application.

Nonresident Students

A student's residency status is determined at the time of application. Nonresident students must pay nonresident tuition in addition to the enrollment fee and other fees for credit classes. Tuition must be paid in full at the time of registration.

Assembly Bill (AB) 540

Assembly Bill 540 exempts nonresident students who meet the following criteria, from paying nonresident tuition:

- have attended a California school full-time for three or more years.
- have received a high school diploma or equivalent, or an Associate Degree or fulfillment of transfer requirements for CSU/UC Institutions.
- have registered as an entering student at, or concurrent enrollment at an accredited institution of higher education in California.

Students who meet the criteria must file an affidavit with the college stating that he or she has filed an application to legalize his or her immigration status.

Assembly Bill (AB) 91

AB-91 Community Colleges: Exemption from Nonresident Tuition Fee: Residence Near the California-Mexico border was passed in 2023, which exempts a nonresident, low-income student who is a resident of Mexico. This bill seeks to exempt nonresident students living near the California-Mexico border from these fees.

For students to be eligible for a nonresident fee exemption, students must meet all the following requirements:

- Be a resident of Mexico for at least one year, residing within a 45-mile radius of the California border.
- Be low-income based on the income and household standards provided by the California Community Colleges Chancellors Office.
- F/J/M students are eligible to apply. Students wanting to take classes in person must follow the college's F/J/M SEVIS requirements (including any English proficiency requirements) and clearance as a border commuter student.
- Students who have completed the equivalent of a high school diploma, or the age of 18 or over.

Students who meet the criteria must file an AB 91 affidavit with the college they wish to attend. Each college is allowed to enroll up to 150 FTES AB 91 students each academic year. Students are admitted on a first-come, first-served basis.

Incorrect Classification

A student incorrectly classified as a California resident is subject to reclassification as a nonresident and payment of all nonresident tuition. If incorrect classification results from false or misleading facts, a student may be excluded from classes or the college upon notification.

Reclassification

Reclassification to resident status must be requested by the student. Financial independence during the current year and preceding two years will be considered at the time the student requests reclassification. Information regarding requirements for reclassification is available in the Admissions Office.

Tuition may not be refunded to a student classified as a nonresident due to lack of documentation if, at a later date, documentation is presented for a previous semester.

Appeals

To appeal a residency determination decision, a student may file a Residency Determination Appeal form with the college Admissions and Records Supervisor.

Limitation of Residency Rules

Students are cautioned that this summary of rules regarding residency determination is by no means a complete explanation of their meaning or content.

For further information, contact the residency clerk in the Admissions Office. Changes may have been made in the statutes and in the regulations since this catalog was published.

False Information

Providing false information necessary for establishing residency will result in disciplinary action up to and including dismissal from the college. Contact the Admissions Office for more details.

International Students

(F-1 Visa Students)

San Diego Mesa College welcomes applications from nonimmigrant F-1 visa students. Acceptance into a program at the college is necessary before U.S. Citizenship and Immigration Services (formerly INS) Form I-20 (certificate of eligibility) is issued by the International Student Admissions Office. The decision to grant an acceptance will be based on all evidence received prior to the deadlines. Students may contact the International Student Admissions Office at the following address to request forms or information:

International Student Admissions Office, I4-102

San Diego Mesa College

7250 Mesa College Drive

San Diego, CA 92111-4998

General Information

1. An international student must register for and maintain a minimum of 12 units each semester while at Mesa College. Part-time F-1 status will not be approved. The registration status and academic performance of all international students will be monitored by the college.
2. A recent photograph must be submitted with an application (passport size is acceptable).
3. Prospective international students are advised that they must comply with all requirements of the U.S. Citizenship and Immigration Services and of San Diego Mesa College to be admitted as international students.
4. Restriction on Aviation Program. The Federal government prohibits all F-visa (F-1 and F-2) students from enrolling in any Aviation Maintenance Technology (AVIM) and/or Aviation Operations (AVIA) classes and programs. No exceptions will be made. Student enrollment is monitored and students will be administratively dropped. The Transportation Security Administration (TSA) requires all students that are enrolled in AVIA 101L, 195L, or 196L to either provide documentation of their US citizenship OR complete a background check. For more information refer to the [Flight Training Security Program website](#).
5. A transfer student from another accredited United States college or university must:
 - a. Follow set transfer procedures of the U.S. Citizenship and Immigration Services; and
 - b. Have pursued a full-time course of study with a minimum GPA of 2.0 ("C") at the college the student was last authorized to attend (an official transcript must be filed).

Admission Requirements

Admission for Fall Semester

Students must complete all admissions requirements no later than May 15 to be admitted for the fall semester. The processing of an application normally requires a minimum of three to five months. Students who meet the May 15 deadline will be notified as soon as possible of their admission status.

Admission for Spring Semester

Students must complete all admissions requirements no later than October 15 to be admitted for the Spring semester. Students who meet the October 15 deadline will be notified as soon as possible of their admission status.

Academic Achievement

1. An international student must have graduated from high school (or its equivalent) with a GPA of 2.0 ("C") or better, or have obtained a GED® certificate (General Education Development).
2. Official transcripts of all previous secondary and college/university education must be submitted, including an English translation of the transcript, before an application will be considered.

English Proficiency Requirements

To be considered for admission, an international student whose native language is not English must take an International Test of English as a Foreign Language (TOEFL) and score a minimum of 500 on the paper-based test, 173 on the computerized version, or 61 on the internet-based test. For questions regarding the TOEFL test, please visit the Educational Testing Service website at: www.ets.org/toefl/. Institutional reports or photocopies will not be accepted. Students may petition to waive the TOEFL requirement under one of the following conditions:

1. Completion of a transfer level college English composition course at an accredited United States institution with a grade of "C" or higher;
2. Completion of ELAC guided self-placement at L40 (ELAC 145); in addition, the student must take the prescribed course work at the level of assessment; or
3. A minimum SAT verbal score of 450.

Advanced Degrees

An international student in possession of an associate degree or its equivalent, or higher (completion of about 60 semester units) may be determined to be beyond the course offerings of Mesa college and is encouraged to apply to a four-year college or university.

Financial Resources

1. Each international student must submit verification of sufficient financial resources. The verification must indicate the ability of the student to finance each year's education and living expenses. Minimum of \$47,000 required for one school year (two semesters).
2. An international student attending the college must pay all mandatory fees, including nonresident tuition, enrollment fees and health services fees.
3. Financial aid is not available to international students.
4. An international student may not accept off-campus employment while attending college unless approval is granted by the U.S. Citizenship and Immigration Services and the International Student Advisor.

Health Clearance

Report of Health Examination

Students must be in good health and free of communicable diseases. The "Report of Health Examination" form or a medical examination report by a physician must be submitted prior to admission. The medical examination must

certify immunization against polio, diphtheria, measles, rubella, and tetanus, and must provide tuberculosis clearance.

Mandatory Health Insurance

Each student is required to provide a notarized letter (in English) certifying that he/she has secured a health insurance coverage in the United States for the duration of their studies.

Housing

The college is located near public transportation and housing. There are no housing facilities on campus and the college does not assist with housing. However, there is housing within walking distance of the college.

Visa Students (other than F-1)

All other visa categories or immigrant classifications must see the Admissions Office.

Students who are residing in the United States on other than F-1 student visas must comply with all restrictions on total units enrolled as specified by the U.S. Citizenship and Immigration Services.

Fees

Community College Enrollment Fee

The enrollment fee is assessed of all students, including nonresidents. The fee is currently \$46.00 per unit. Enrollment fees subject to change.

- Waiver of the enrollment fee is available to students who petition and qualify as recipients of benefits under the Temporary Assistance to Needy Families (TANF) program, the Supplemental Security Income/State Supplementary (SSI) program, or the General Assistance program.
- Indentured apprentices are exempt from enrollment fees for Apprenticeship Program classes only.
- Financial Aid may be available to students who qualify for assistance.

Health Services Fee

All students are assessed a mandatory fee for health services and accident insurance, whether or not they choose to use the health services available to them. The health services fee is currently \$21.00 per semester for Fall and Spring semesters, and \$17.00 for the Summer session. The following students are exempt from the health fee:

- Students who meet the income standards for the California College Promise Grant – **CCPG-A Only**. Contact the Financial Aid Office for eligibility determination.
- Students attending under an approved apprenticeship program, enrolled only in apprenticeship courses.
- Students who depend on prayer for healing, in accordance with the teachings of a bona fide religious sect, denomination, or organization, may petition to have the fees waived. To apply for an exemption contact the Admissions Office.

For more information, contact the Admissions Office.

Nonresident Tuition

In addition to the enrollment fee and health fee, tuition is charged to students who are not residents of California for tuition purposes. The 2025–2026 nonresident tuition fee is \$369.00 per unit.

Library

Overdue fines and fees apply to late and lost library materials.

Baccalaureate Degree Program Fee

A baccalaureate degree program fee will be charged for all upper division coursework. The fee is \$84.00 per unit and will be assessed in addition to the \$46.00 per unit enrollment fee. Nonresident students in upper division coursework will be charged the \$84.00 per unit in addition to the \$46.00 per unit enrollment fee, and the nonresident tuition fee of \$369.00 per unit.

Additional Fees

Automobile permits per semester (Fall and Spring)	\$40.00
Automobile permits per semester (Summer)	\$29.00
Carpool permits per semester	\$30.00
Motorcycle permits per semester	\$17.50
Transcript of Record (after two have been issued free of charge)	\$5.00
Loss or damage of equipment and books	Cost
A.S. College Membership (per academic year)	\$8.00
Student Representation Fee	\$2.00

Important Note: Students receiving public assistance, or who are determined eligible for financial aid, may purchase a single car permit for \$25.00.

Important Note: All fees are subject to change.

Students are expected to buy all books and supplies needed for their courses. Certain occupational programs may require additional expenditures for tools, uniforms.

Student Representation Fee

All students attending classes are required to pay a \$2.00 student representation fee per semester. This fee is expended equally to support the: (1) Student Senate of California Community Colleges (SSCCC) and (2) colleges for the purpose of student advocacy efforts to Federal, State and Local governments. Students have the right to refuse to pay the fee for religious, moral, political, or financial reasons.

Returned Check Fee

A \$25.00 fee will be assessed for any returned checks.

Debt Owed to the College

In alignment with Assembly bill 1313 (Chaptered October, 2019) and California Education Code 66022 and 76225, diplomas, and registration privileges, or any combination thereof, may be withheld from any student or former student who has been provided with written notice that he or she has failed to pay a proper financial obligation. Any item(s) withheld shall be released when the student satisfactorily meets the financial obligation. A service fee may be charged for all delinquent loans; any service fee would be determined by the total cost required to collect the delinquent loans.

Refunds

1. Fees will be refunded to students who reduce their program in accordance with the following schedule:
 - Refunds for Fall and Spring Primary (16 Week Session) is Friday of the second week
 - Refund deadlines for all other classes are located in the class search under the calendar icon ("refund deadlines")
 - Refund deadlines are also located for a specific term on the [SDCCD website](#) under "Dates and Deadlines"
 - No refund is given for classes dropped after the published deadline.
 2. Students who are administratively dropped when a Petition to Challenge is denied will receive a full refund of the class(es) petitioned.
 3. Students who are academically dismissed and administratively dropped will receive a full refund.
-

Important Note: No refund is given for classes dropped after the deadline.

4. In order to receive a refund, parking permits must be returned to College Police or the Accounting Office within the refund deadlines described in #1.

Students with a valid address on file and who do not have an outstanding financial obligation to the district will receive a refund in the mail or credit to their credit card. Refunds will be sent to students after the add/drop deadline. For payments by check, there is a five week waiting period for checks to clear the bank before refunds will be processed. For more information contact the Accounting Office on campus.

Important Note: Students who drop all classes and wish to receive a refund must also submit their parking permit before the refund will be granted. If the permit is not returned within the two-week refund period, the student will not receive a refund for the permit.

Academic Information and Regulations



Academic Information

Statement of Open Courses

It is the policy of the San Diego Community College District that, unless specifically exempted by statute, every course, section, or class offered by the District and reported for state aid shall be fully open to enrollment and participation by any person who has been admitted to the college and who meets course prerequisites.

Honest Academic Conduct

Honesty and integrity are integral components of the academic process. Students are expected to be honest and ethical at all times in their pursuit of academic goals in accordance with Board Policy 5500, Student Rights, Responsibilities, Campus Safety and Administrative Due Process.

Academic dishonesty occurs when a student attempts to show possession of a level of knowledge or skill which he or she does not possess. The two most common kinds of academic dishonesty are cheating and plagiarism. Cheating is defined as the act of obtaining or attempting to obtain credit for academic work by the use of any dishonest, deceptive, or fraudulent means. Plagiarism is defined as the act of incorporating ideas, words, or specific substance of another, whether purchased, borrowed or otherwise obtained, and submitting the same as one's own work to fulfill academic requirements without giving credit to the appropriate source.

Students who engage in practices of cheating or plagiarism may warrant two separate and distinct courses of disciplinary action which may be applied concurrently in response to a violation of this policy. Students are responsible for knowing what constitutes academic dishonesty and for consulting with instructors about questions or concerns. Administrative Procedure 3100.3 describes the Academic and Administrative Sanctions for Students who are found to be cheating or Plagiarizing. Copies of the procedures can be obtained in the Office of the Vice President of Student Services and [online](#).

Responsibility for Meeting Requirements

Each student must assume responsibility for compliance with the regulations of the college set forth in this catalog, for satisfying prerequisites for any course, and for selecting courses which will facilitate attainment of

educational objectives. The college does not assume responsibility for misinterpretation of policies and procedures as presented in this catalog. Counselors and advisors are available to assist in planning students' programs. Any questions or doubts concerning this catalog material should be referred to the Office of the Vice President, Student Services.

Dean's List

A Dean's Honor List is compiled after each spring term for the academic year (fall to spring). To be eligible for the Dean's Honor List, a student must complete 12 units or more during the academic year and have earned a grade point average of 3.5 or better.

Honors Program

K-108

619-388-2341

The Honors Program serves self-motivated and qualified students by providing exceptional and intense learning experiences in classes that are usually highly interactive. Topics are explored in depth; typical assignments emphasize critical thinking, extensive reading and writing, and student presentations and critiques. Activities may also include opportunities for individual research projects, close interaction with faculty and participation in community and cultural events. In addition to honors class sections, the program also offers honors contracts through which individuals can pursue honors-level course work in a non-honors section.

The Honors Program offers enhanced transferability to our partner institutions which include University of California campuses: Los Angeles and Irvine; Chapman University; Pitzer and Pomona Colleges; Loyola Marymount University, Occidental College, San Diego State University, and more.

The Honors Program is open to all students (part-time or full-time, day or evening) and can be found in all disciplines (vocational, liberal arts, fine arts, sciences, business, etc.). For specific criteria and other information, please consult the schedule of classes or contact the campus Honors Coordinators.

Students enrolled in an honors section (including an honors contract), may not transfer to a regular section after the deadline to make a schedule adjustment for the class. Petition for honors credit after the course has been completed will not be permitted.

For more information about the Honors Program, visit the [website](#).

SDCCD Online Learning Pathways

San Diego City, Mesa, and Miramar Colleges

QUALITY ONLINE LEARNING

Learn anytime, anywhere with our convenient, flexible online courses that fit your busy schedule. Enjoy interactive communication with your classmates and instructor as you complete your coursework in an engaging, supportive learning environment. Our quality online courses are developed and taught by experienced instructors from our three colleges—City College, Mesa College, and Miramar College.

Want to get started? Visit the [SDCCD website](#) to find out if online learning is for you.

Get ready for online learning success! Visit the [online learning success website](#) for more information.

Online students receive 24/7 Technical Support by accessing the [Canvas support webpage](#) or by calling toll free 844-612-7421. For login instructions go [online](#).

Accelerated College Program

Transferable community college courses in calculus and political science are provided for qualified high school students at local high schools. The Accelerated College Program (ACP), located at Mesa College, is the districtwide program responsible for providing and administering these classes, following guidelines established by a joint agreement between the San Diego Community College District and San Diego Unified School District. When an ACP student becomes a first-year or transfer student, credits transfer and are widely applicable in fulfilling general education and pre-major requirements at most universities.

Learning Community

In a Learning Community, a group of students take two or more courses together. Instructors come together to coordinate class activities and assignments, so that coursework is broad, deep, relevant, and meaningful. Because students work through the classes together to complete assignments, sometimes forming study groups, they forge close bonds. It has been shown that participation in Learning Community courses contributes to improved student success. Learning Communities are open to all Mesa students. There are a variety of Learning Communities at Mesa College: KAPWA taught through an Asian American Pacific Islander (AAPI) lens, UMOJA Mesa Academy is designed to increase the graduation, transfer, and retention of Black and African American Students, and Puente Project that explores the Latino/a experience, while helping all students adjust to college life and prepare for transfer. Search "Learning Community" (LCOM) in the class schedule for linked courses.

Work Experience

BT-104

619-388-2340

Work Experience students can receive academic credit for their current employment or internship through work experience courses. For registration information refer to the class schedule or contact the Work Experience [website](#).

Distance Education

The San Diego Community College District offers students the opportunity to take online credit courses at San Diego City College, San Diego Mesa College, and San Diego Miramar College. Online courses offer the same curriculum as traditional courses except that lectures and course materials are accessed via the district's web-based learning management system. Students engage in classroom discussions and online collaborations with other students and the instructor. Online registration, counseling, tutoring, and library services are available. SDCCD offers a variety of courses including general education and transfer requirements online. Courses offered meet the Americans with Disabilities Act (42 U.S.C. §12100 et seq.) and section 508 of the Rehabilitation Act of 1973, as amended, (29 U.S.C. §794d).

To ensure student authentication and academic integrity, students have secure logins and are required to perform activities that demonstrate meaningful participation on a weekly basis. Students must logon the first day of class.

In accordance with federal regulations there are restrictions on enrollment in online classes for students residing outside of California. For more information access the list of [restricted states and territories](#).

Academic Regulations

Course Repetition Policy

- No course in which a "C" or better grade has been earned may be repeated, unless students meet the following exception criteria:
 - Legally Mandated Training Requirement
 - Disabled Student as part of a Disability-Related Accommodation
 - Extenuating Circumstances beyond the control of the student (documentation required)
 - Significant Lapse of Time
- Students will not be allowed more than four enrollments in similar active participatory courses in Exercise Science and Visual and Performing Arts, regardless of grade or symbol earned.
- Academic renewal is not allowed for work experience courses.
- Each course in which an unsatisfactory grade ("D," "F," or "NP") has been earned may be repeated twice without a petition. The course being repeated must be the same as the original course, not its equivalent. Only the newly-earned units and grades will be used in computing the grade point average.
- Students will not be allowed more than three enrollments in any course, regardless of grade or symbol earned.

Course Repetition—Limitations on Active Participatory Courses

Due to changes in the regulations that govern community colleges, enrollment limits have been placed on certain types of active participatory courses that are related in content. Active participatory courses include courses in exercise science, visual arts, and performing arts (e.g., music, art, photography, theatre arts). These courses have been put into groups of courses related in content. A student may enroll in active participatory courses in exercise science, visual arts, or performing arts that are in a group of related content for no more than four (4) courses in each content area (group). All grades, including "W's," will count toward the four course enrollment maximum for each group of courses. See the current listing of groups of courses related in content in the Documents section under "Course Repetition - Limitations on Active Participatory Courses" [online](#). For further information regarding course groupings, please consult with a counselor.

Academic Renewal Without Course Repetition

A student with substandard academic performance (GPA below 2.0) that is not reflective of present demonstrated ability may petition to have a maximum of 30 units of substandard performance disregarded in computation of grade point average.

The following conditions apply:

1. To be eligible for academic renewal without course repetition a student must:
 - a. have transcripts from all institutions attended officially on file.
 - b. successfully complete, in an accredited college or university, 15 units with a grade point average of at least 2.0 subsequent to the work to be disregarded. All courses taken during the semester/session in which the student reaches or exceeds the 15-unit minimum will be used in computing the 2.0 grade point average.
 - c. have one year elapsed since the coursework to be disregarded was completed.
2. A maximum of 30 units may be disregarded.
3. If grade alleviation has already been applied two times for a course, the course will not be eligible for academic renewal without repetition and will remain on the academic record.
4. If previous action for academic renewal has been applied to coursework included in the semester to be disregarded, the course will not be eligible for academic renewal without repetition and will remain on the academic record.
5. Academic renewal without course repetition may be applied to substandard course(s)/semester(s) from another accredited institution.
6. The permanent academic record will be annotated in such a manner that the record of all work remains legible, ensuring a true and complete academic record.
7. Recalculation of the grade point average will be used toward qualification for graduation with honors.
8. Academic standing for the semester/session(s) will not be adjusted.
9. Once the petition is approved, the action is not reversible.
10. Once an associate degree has been posted to the student's academic record, academic renewal without course repetition may only be applied to classes with an evaluative symbol of "F". For more information see AP 4240 - Academic Renewal Without Course Repetition.

Course Repetition—Lapse of Time

Academic departments may require that courses for the major be completed within a specified number of years prior to the granting of the Associate Degree, Certificate of Achievement, or Certificate of Performance. Students may be required to repeat a course in which a satisfactory (A, B, C, or P) grade has already been earned. Students with questions about the applicability of previous coursework are advised to consult the department as early as possible.

Disability Support Programs and Services (DSPS) Repeat

Additional repetitions of a DSPS course to accommodate a student's disability-related needs may be permitted. For students with disabilities, course repetition is determined on an individual student basis. Contact the DSPS Office on campus for more information.

Mandated Training

Students who are required to meet a legally mandated training requirement as a condition of continued paid or volunteer employment may repeat a credit course any number of times. Students should complete the Mandated Training Course Repetition form.

For more information on course repetition, consult the Counseling Office at your college.

Academic Transcripts

Transcripts of Record

A student may order an official transcript of record online, in person, by mail or via fax. To order an official transcript online, visit the [transcripts website](#). Transcripts ordered online will be mailed within 1–2 business days.

To order a transcript in person, a student may complete a request at the Accounting Office at the college, or in person at the District Office of the Registrar, San Diego Community College District, Administrative Office, 3375 Camino del Rio South, San Diego, CA 92108.

Payment of fees must be made prior to processing a request for transcripts.

The following policy has been adopted by the San Diego Community College District Board of Trustees regarding the issuance of transcripts of record:

1. The first two transcripts will be issued without charge.
2. There will be a charge of \$5.00 for each additional transcript.
3. A \$10.00 special handling fee will be charged for all "RUSH" order transcript requests, including hand carried transcript requests ordered at the District Office. Rushed transcripts are processed immediately upon receipt. The special handling fee will be charged per request.

Requests will not be processed if students have outstanding holds preventing the release of the official transcript.

All official copies of the student's permanent record are in the Office of the Registrar. The Office of the Registrar will certify only to the accuracy of the records prepared by and issued directly from that office to another institution.

More information on ordering transcripts is available on the [website](#).

Grading System

Unit of Credit

A unit of credit represents one hour of lecture or recitation and two hours of preparation per week, or three hours of laboratory per week for one semester.

Academic Grades

Grades	Standing	Grade Points per Unit
A	Excellent	4
B	Good	3

Grades	Standing	Grade Points per Unit
C	Satisfactory	2
D	Passing - Less than satisfactory	1
F	Fail	0
P	Pass	Units earned not counted in GPA
NP	No Pass	Units not counted in GPA

The grade point average (GPA) is determined by dividing the total grade points earned by the total grade point units completed as listed in the chart above.

Administrative symbols

P/NP—Pass/No Pass; I—Incomplete; W—Withdrawal; IP—In Progress; EW—Excused Withdrawal; RD—Report Delayed. Administrative symbols are not used in the computation of GPA. See below for further explanation.

Pass/No Pass (P/NP)

P/NP is a non-punitive grading system where such units earned will be counted in satisfaction of curricular requirements but will be disregarded in determining a student's grade point average. For more specific information, refer to the discussion of the Pass/No Pass Grading Policy.

Incomplete

A symbol of "I," Incomplete, may be assigned by an instructor when a student has been unable to complete academic work for unforeseeable emergency and/or justifiable reason at the end of term. A copy of the "Assignment of Incomplete" form will be mailed to the student and the original retained in the District Records Office. A final grade will be assigned when the work stipulated has been completed and evaluated by the instructor or when the time limit for completion of the work has passed. An "I" must be made up no later than one year following the end of the term in which it was assigned. In the event of unusual, verifiable circumstances beyond the student's control, a petition may be filed in the Office of the Vice President, Student Services for extension of the one-year time limit. Important Note: Course repetition is not permitted to remove an Incomplete.

Withdrawal

An official withdrawal from classes may be requested by the student or initiated on his/her behalf by the instructor or Vice President, Student Services.

The following conditions apply to official withdrawal:

1. No record of the class will be entered on the student's permanent record if the official withdrawal is made by the deadline to drop without a "W" being recorded as published in the schedule of classes.
2. If the withdrawal is made after the deadline for withdrawing without a "W" and prior to the deadline for withdrawal published in the class schedule for that session, a "W" will be recorded on the student's permanent record. No exceptions to this policy will be made. Petitions will not be accepted for exception to policy.
3. A student attending a session after the deadline for withdrawal will not be eligible to receive a "W" and must be assigned an academic grade or other administrative symbol by the instructor. Exceptions to this policy will be made only upon verification of extreme circumstances beyond the control of the student. Petitions requesting exception must be filed in the Admissions Office.
4. Withdrawal (W) symbols will be used in the calculation of lack of progress probation and dismissal status.
5. Students on active duty or reserve duty may petition for a "military" withdrawal. This withdrawal is not calculated in the determination of academic progress and is noted on the student's academic record.
6. Students will be allowed a maximum of three withdrawals in any course.

In Progress

A symbol of "IP," In Progress, will be assigned when a class extends beyond the normal end of a semester or summer session, that is, when the class "carries over" from one term to the next. The "IP" will appear on a student's record for the term during which the course is completed until the appropriate grade is assigned by the instructor. The "IP" shall not be used in the calculation of a student's grade point average.

Excused Withdrawal

A symbol of "EW", Excused Withdrawal, may be assigned when a student is permitted to withdraw from a course(s) due to specific circumstances beyond the control of the student affecting his or her ability to complete a course(s).

- Excused withdrawal will not be counted in progress probation and dismissal calculations.
- Excused withdrawal will not be counted as an enrollment attempt.

Students requesting an Excused Withdrawal can obtain a [Petition for Excused Withdrawal \(EW\)](#).

- Excused withdrawal (EW) petitions will be accepted up to one year after the completion of the semester in which the student is requesting an EW.
- All petitions must be accompanied by supporting documentation substantiating the student's extenuating circumstances, including pertinent dates and times.
- It is recommended that students visit with a counselor to discuss alternative options to an Excused Withdrawal to be sure that this choice is the best course of action for the student's academic career.
- Students receiving financial aid should contact the Financial Aid Office to understand the possible implications to financial awards.

Grade Challenge

Final grades will be issued at the end of each semester. In the absence of mistake, fraud, incompetence, or bad faith, the determination of the student's grade by the instructor shall be final once it has been recorded by the Registrar's Office. A student may challenge a grade or request a change to his/her academic record within two years from the date of issuance. Requests beyond two years will not be accepted. Students wishing to challenge a grade should first attempt to resolve the challenge informally with the instructor. Grade challenges must be processed under Administrative Procedure (AP) 5040, Student Records, Release, Correction and Challenge.

Copies of AP 5040 are available in the Office of the Vice President, Instruction.

Pass/No Pass Grading Policy

There are courses in which Pass/No Pass grades are used exclusively; these are designated in the catalog course description by the statement "Pass/No Pass Only." In addition, there are courses which cannot be taken on a Pass/No Pass basis; these are designated in the course description by the statement "Letter Grade Only." Some courses may be taken for either "Pass/No Pass" or "Letter Grade."

Consistent with District policy, a student in good standing may elect to be graded on a Pass/No Pass basis in courses where there is an option. A grade of "Pass" (P) shall be awarded only for work which otherwise would have received a grade of "C" or better. Work that would have received a "D" or "F" will be graded "No Pass" (NP). The units earned will be counted in satisfaction of program requirements, but will be disregarded in determining a student's grade point average.

Students who plan to transfer to a four-year institution should review the Pass/No Pass acceptance policy of the transfer institution prior to requesting this grade option.

Conditions

1. Students may change from a 'Letter Grade' option to a 'Pass/No Pass' option during registration or up until the published deadline. To select a Pass/No Pass option for the course go to the 'EDIT Class Enrollment Options' page on the mySDCCD portal. The deadline is listed in the class search details page when you click

the calendar icon ("Deadlines"). After the Pass/No Pass Deadline, the 'Letter Grade' or 'Pass/No Pass' option may not be changed for that class.

2. No exceptions to this condition will be made. Petitions will not be accepted for exception to policy.

Standards of Academic Progress

Students are in good academic standing when they have a 2.0 grade point average or higher and have completed more than 50% of units they have attempted. There are two kinds of probation and dismissal, one based upon GPA (Academic Performance) and the other based upon the number of units completed (Progress Performance).

Certain programs may have more stringent standards for academic progress. Consult the program director for more information.

Students enrolled in the core curriculum of medically-related programs will be governed by the probation and dismissal policies as outlined in the program policy manuals that reflect the tenets of safe medical practice and respond to program accreditation guidelines.

Academic Probation

A student whose cumulative grade point average falls below a 2.0. A student on academic probation will return to good standing once his/her cumulative grade point average reaches or exceeds 2.0.

Academic Dismissal

A student on academic probation status for three consecutive primary semesters shall be dismissed. An enrollment hold will be placed on the student's record.

Lack of Progress Probation

A student shall be placed on lack of progress probation when the percentage of all (cumulative) units for which entries of "W," "I," and "NP" are recorded reaches or exceeds 50%.

Lack of Progress Dismissal

A student who has been placed on lack of progress probation for three consecutive primary semesters shall be dismissed and an enrollment hold placed on the student's record when the percentage of units for which entries of "W," "I," and "NP" are recorded in a subsequent semester (non-cumulative), reaches or exceeds 50%.

Exceptions

Provisional, Joint Diploma and Special Admit High School students who receive a substandard grade (D, F, NP) or lack of progress (W, I, NP) in any class will be automatically dismissed. Important Note: Probationary Status will not apply.

If dismissed:

- Special Admit High School students will not be permitted to re-enroll without approval from a high school counselor.
- Special Admit High School students who attempt/earn 12 units or more-must meet with a college counselor and complete a student academic contract.
- Joint Diploma students must see a JD counselor for readmission.

Readmission after Dismissal

Important Note: Dismissal status is determined based upon Progress Performance, Academic Performance, or a combination of both.

1st Dismissal

- Student must meet with a counselor and complete a Student Academic Contract.
- Readmission will be based upon meeting contract conditions.
- Student will lose registration priority until they return to 'Good' Standing.
- Student will lose eligibility for the California College Promise Grant (CCPG) until they return to 'Good' Standing or sit out one full academic year.

Transfer of Credits

Transcripts of Prior Academic Credit

Students with credit from other colleges and universities must have official transcripts on file with the college.

- Official transcripts are those sent directly from one institution to another.
- Transcripts will only be accepted for one year after issuance.
- Transcripts brought in by students not in an official, sealed envelope will be considered unofficial.
- Transcripts are required even if prior credits do not appear relevant or if units were taken years ago.
- Students receiving veterans benefits must have transcripts on file within one semester.
- Certain programs require transcripts before admission to the program.
- Official transcripts from other institutions become the property of the college and will not be duplicated or returned.
- Official transcripts should be sent to the following address:

San Diego Community College District

3375 Camino del Rio South, Rm. 100

San Diego, CA 92108-3883

Upper Division Coursework

The San Diego Community College District (SDCCD) accepts all lower division courses taken at U.S. regionally accredited colleges. All lower division courses will be counted toward the Associate degree. Petitions to use upper division courses from U.S. regionally accredited colleges will only be accepted if needed to meet minimum Associate degree requirements for the major or district requirements. All petitions must be approved by the faculty in the discipline, or an appropriate designee, and/or college committee.

International Transfer Credits

Students who elect to submit transcripts from international colleges and universities must submit their transcripts to an approved credential evaluation service, and request a comprehensive evaluation be sent to San Diego City, Mesa, or Miramar College. Credit for transfer courses taken at an institution outside the United States are evaluated dependent upon course equivalency and student learning outcomes on a course by course basis. Coursework from foreign institutions will not made equivalent to SDCCD courses, and cannot be used to meet transfer major (ADT) or transfer general education requirements. International transcripts are not required. For more information contact the College Evaluations Office.

Credits from Other Regionally Accredited Institutions

Credits from other regionally accredited institutions may be accepted for transfer credit after evaluation by District evaluators. San Diego Mesa College will not accept the transfer credits from another institution if the evaluation by the District evaluators determines that the credits received from another accredited institution do not meet the equivalent standards for a similar course taken at San Diego Mesa College.

Credit for Prior Learning

Credit for Prior Learning

Credit for Prior Learning (CPL) is college credit awarded for validated college-level skills and knowledge gained outside of a college classroom. Credit for prior learning may be earned for eligible courses approved by the faculty for students who satisfactorily pass an authorized assessment. Authorized assessments may include the evaluation of approved external standardized examinations, military service/training, the evaluation of industry recognized credentials, student-created portfolios, and credit by examination. Students should meet with a Counselor for specific information regarding CPL and the petition process. Details may be found in Administrative Procedure 4235.

Students may demonstrate proficiency in a course eligible for Credit for Prior Learning and receive college credit through the approved alternative methods for awarding credit listed below:

- Achievement of a satisfactory score on an Advanced Placement (AP) examination
- Achievement of a satisfactory score on a higher-level International Baccalaureate (IB) examination
- Achievement of a satisfactory score on the College Level Examination Program (CLEP)
- Achievement of a satisfactory score on DANTES Subject Standardization Test (DANTES/DSST)
- Satisfactory completion of an institutional examination, known as Credit by Examination, administered by the college in lieu of completion of an active course listed in the current college catalog
- Evaluation of Military Transcripts
- Evaluation of industry recognized credential documentation
- Evaluation of student-created portfolios

Determination of Eligibility for Credit for Prior Learning

- The course is on the approved credit for prior learning list at the college
- The student must have previous academic history (previously earned credit or noncredit from the District) or be currently enrolled in a college at the San Diego Community College District and in good standing
- All student holds must be cleared prior to verification of eligibility
- Official transcripts from all prior colleges are on file
- Official test scores must be submitted for the processing of AP, IB, CLEP, and/or DANTES
- A student education plan is on file
- The student is not currently enrolled in the course
- The student has not received credit on their academic record(s) for an equivalent course

High school students enrolled in CTE transitions should refer to the High School Courses for College Credit Chart (Credit by Examination)

Limitations on Credit for Prior Learning

- Credits acquired by Credit for Prior Learning are not applicable to meeting of such unit load requirements as Selective Service deferment, Veterans, or Social Security benefits.
- Credits acquired by Credit for Prior Learning shall not be counted in determining the 12 semester hours of credit in residence required for an Associate degree.

Important Note: CPL may be used to fulfill the District requirement for six units in the major.

- Credit awarded through credit for prior learning may not be used for grade alleviation.
- Credit awarded through credit for prior learning may not be used in determining financial aid eligibility as required by law.

- Any credits awarded through credit for prior learning will be counted toward the maximum unit count under the Financial Aid Satisfactory Academic Progress Policy; and
- Credit granted by SDCCD does not necessarily transfer to other institutions. Final determination regarding transfer of credit rests with the receiving institution. Students intending to transfer to a four-year institution should consult a counselor or the individual university regarding their credit for prior learning policy.

For more information on Credit for Prior Learning visit [Forms and Documents](#).

Credit by Examination

(Administrative Procedure AP 4235)

Students interested in Credit for Prior Learning using credit by examination shall receive credit as recommended by the appropriate department chair or faculty designee. For this purpose “examination” refers to any written, oral or performance assessments established by the individual departments. All students must meet specific credit for prior learning criteria. An approved list of eligible courses is available on the [Credit for Prior Learning Course List](#).

Students may petition for credit for prior learning, by accessing the [Forms and Documents](#).

You may view a full copy of the policy by accessing the following [Board Policies & Administrative Procedures](#).

See eligibility requirements and limitations on credit for prior learning.

High School and Noncredit Courses for College Credit (Credit by Examination)

(Administrative Procedure AP 4235)

As part of an early college program called Career Technical Education (CTE) Transitions (formerly known as Tech Prep), high school and noncredit students may earn college credit equivalent to the courses in the table below. To receive credit, students must be enrolled in a high school or noncredit CTE course tied to an active agreement, meet overall course and final assessment grade requirements, and complete related paperwork including the submission of a SDCCD online college application. Full eligibility and process requirements are available online.

For questions and more information, contact the CTE Transitions Program at 619-388-6572.

For the most up-to-date listing of active agreements and student requirements, please go to [CTE Transitions Credit by Exam](#).

See Limitations on credit for prior learning listed.

CTE (Career Technical Education) Transitions High School Credit by Examination Active Agreements

High School to San Diego Mesa College

For the most up-to-date listing of active agreements and student requirements, please go [online](#).

San Diego Mesa College Program Area	San Diego Mesa College Course	San Diego Mesa College Units	High School Course (District)
Architecture	ARCH 107	3	Architectural Design 1,2 Honors
Computer Information Science	CISC 150	3	AP Computer Science Principles 1,2 (SDUSD)
Culinary Arts/ Culinary Management	CACM 102	2	Culinary Arts & Food Science (Escondido)
Culinary Arts/ Culinary Management	CACM 102	2	Culinary Arts Management 1,2 (SDUSD)
Culinary Arts/ Culinary Management	CACM 103 and CACM 106	1 2.5	Advanced Culinary Arts and Restaurant Management (Escondido)
Culinary Arts/ Culinary Management	CACM 103 and CACM 106	1 2.5	Culinary Arts Management 3,4 (SDUSD)
Education	EDUC 200 EDUC 203	2 1	Introduction to Teaching and Learning 1,2 (SDUSD) Introduction to Teaching and Learning 3,4 (SDUSD)
Geographic Information Systems	GISG 104	3	GIS: Modeling the Natural and Human Environment 1,2 (SDUSD)
Geographic Information Systems	GISG 110	3	GIS and Global Technologies 1,2 or GIS and Global Technologies 3,4 (SDUSD)
Hospitality	HOSP 101	3	Concepts in Hospitality and Tourism 1,2 (SDUSD)
Multimedia	MULT 100	3	Multimedia Production 1,2 (SDUSD)
Multimedia	MULT 120	3	Game Design 1,2 (SDUSD)
Multimedia	MULT 123	3	Video production 1,2 (SDUSD)
Nutrition	NUTR 160	3	Food Preparation & Nutrition 1,2 (SDUSD)

San Diego College of Continuing Education to San Diego Mesa College CTE Transitions Credit by Examination

For the most up-to-date listing of active agreements and student requirements, please go [online](#).

San Diego Mesa College Program Area	San Diego Mesa College Course	San Diego Mesa College Units	San Diego College of Continuing Education Course
Computer Business Technology	CBTE 140	2	OFSY 575
Child Development	CHIL 176	3	HMDV 575A and HMDV 575B
Child Development	CHIL 291A	1	HMDV 594
Child Development	CHIL 291B	1	HMDV 591
Child Development	CHIL 291C	1	HMDV 586
Child Development	CHIL 291D	1	HMDV 582
Computer and Information Sciences	CISC 179	4	COMP 660 and COMP 661
Culinary Arts/ Culinary Management	CACM 103 and CACM 106	1 2.5	FDNT 682
Culinary Arts/ Culinary Management	CACM 160	3	FDNT 662 and FDNT 663 and FDNT 664
Culinary Arts/ Culinary Management	CACM 212	3	FDNT 662 and FDNT 663 and FDNT 664
Culinary Arts/ Culinary Management	CACM 102	2	FDNT 501 or FDNT 681
Digital Media and Programming	WEBD 164	3	COMP 690

San Diego Mesa College Program Area	San Diego Mesa College Course	San Diego Mesa College Units	San Diego College of Continuing Education Course
Fashion	FASH 130 and FASH 130L	3 1	CLTX 511 and CLTX 512 or CLTX 620 and CLTX 625
Health	MEDA 110	3	HLTH 612
Multimedia	MULT 100	3	COMM 660 and COMM 661 and COMM 662
Multimedia	MULT 123	3	COMM 668 and COMM 668
Web Development	WEBD 152 and WEBD 168	3 3	COMM 672
Web Development	MULT 100 and WEBD 154	3 3	COMM 673
D			
Web Design	WEBD 169	3	COMM 669

Industry Recognized Credentials

Students interested in Credit for Prior Learning using industry recognized credential(s) shall receive credit as recommended by the appropriate department chair or faculty designee. Approved list of courses are available in the College Evaluations Office.

Students may petition for credit for prior learning, by accessing [Forms & Documents](#).

See eligibility requirements and limitations on credit for prior learning.

Acceptance and Application of Military Credit

(Administrative Procedure AP 4235)

San Diego City, Mesa, and Miramar Colleges apply credit for educational experience completed during military service toward the associate degree in accordance with the associate/baccalaureate credit recommendations contained in "A Guide to the Evaluation of Educational Experiences in the Armed Services" published by the American Council on Education (ACE). Students must submit documentation of educational experiences during military service. Acceptable documents include:

- Joint Services Transcript
- AARTS or SMART Transcript
- DD-214
- DD-295
- NAV/PERS 1070/604
- DD-2586
- National Guard Bureau (NGB) Form 22E
- Coast Guard Institute
- Community College of the Air Force (CCAF)

Military service credit may be granted upon verification of at least six (6) months of continuous active duty, or completion of basic training for National Guard/Reservists. Four (4) units of credit may be awarded to meet the district graduation requirements in Health and Exercise Science. Three (3) of those units may also be used to satisfy Area E of the CSU General Education Breadth pattern if applicable.

Other educational experiences during military service may also fulfill additional major, general education, or elective degree requirements. More specific information is available on the district Credit for Prior Learning [website](#).

You may view a full copy of the policy by accessing the following [Board Policies & Administrative Procedures](#).

U.S. Air Force and U.S. Army ROTC Programs

Under the provisions of a special agreement, students may participate in the Army or Air Force Reserve Officers Training Program (ROTC) at SDSU. San Diego City, Mesa and Miramar College students may enroll and attend ROTC classes at SDSU by contacting the SDSU Military Science Department 619-594-5545. Financial assistance may also be available. The credits earned in these classes may be transferred as electives to meet the degree requirements of City, Mesa and Miramar Colleges.

See eligibility requirements and limitations on credit for prior learning.

Academic Credit for AP, IB, CLEP, and DANTES/DSST (Standardized Exams)

(Administrative Procedure AP 4235)

The linked tables below indicate the score necessary, the credit allowed, and the area(s) satisfied for each of the examinations accepted for credit.

You may view a full copy of the policy by accessing the following [Board Policies & Administrative Procedures](#).

Limitations on AP, IB, CLEP, and DANTES/DSST include:

- Grades are not assigned, nor is the credit used in calculating grade point average.

- Credit awarded through credit for prior learning may not be used for grade alleviation.

Advanced Placement Test (AP)

EXAM AND REQUIRED SCORE	UNIT REQUIREMENTS FULFILLED	GENERAL EDUCATION (GE) REQUIREMENTS FULFILLED	MAJOR REQUIREMENTS FULFILLED
Art 2-D Design 3, 4, or 5	SDCCD: 3 semester units CSU: 3 semester units UC: 8 quarter/5.3 semester units ⁶	SDCCD GE: N/A Cal-GETC: N/A	SDCCD: ARTF 150A
Art 3-D Design 3, 4, or 5	SDCCD: 3 semester units CSU: 3 semester units UC: 8 quarter/5.3 semester units ⁶	SDCCD GE: N/A Cal-GETC: N/A	SDCCD: N/A
Art Drawing 3, 4, or 5	SDCCD: 3 semester units CSU: 3 semester units UC: 8 quarter/5.3 semester units ⁶	SDCCD GE: N/A Cal-GETC: N/A	SDCCD: ARTF 155A
Art History 3, 4, or 5 Exam taken Fall 2009 or later	SDCCD: 6 semester units CSU: 6 semester units UC: 8 quarter/5.3 semester units	SDCCD GE: 3 semester units towards Area 3 Cal-GETC: 3 semester units towards Area 3A or 3B	SDCCD: ARTF 110 or ARTF 111
Biology 3, 4, or 5	SDCCD: 6 semester units CSU: 6 semester units UC: 8 quarter/5.3 semester units	SDCCD GE: 4 semester units towards Area 5 Cal-GETC: 4 semester units towards Area 5B & 5C	SDCCD: N/A
Calculus AB¹ 3, 4, or 5	SDCCD: 3 semester units CSU: 3 semester units UC: 4 quarter/2.6 semester units	SDCCD GE: 3 semester units towards Area 2 Cal-GETC: 3 semester units towards Area 2	SDCCD: N/A
Calculus BC/AB subscore¹ 3, 4, or 5	SDCCD: 3 semester units CSU: 3 semester units UC: 4 quarter/2.6 semester units	SDCCD GE: 3 semester units towards Area 2 Cal-GETC: 3 semester units towards Area 2	SDCCD: N/A
Calculus BC¹ 3, 4, or 5	SDCCD: 6 semester units	SDCCD GE: 3 semester units towards Area 2	SDCCD: N/A

EXAM AND REQUIRED SCORE	UNIT REQUIREMENTS FULFILLED	GENERAL EDUCATION (GE) REQUIREMENTS FULFILLED	MAJOR REQUIREMENTS FULFILLED
	CSU: 6 semester units UC: 8 quarter/5.3 semester units	Cal-GETC: 3 semester units towards Area 2	
Chemistry 3 <i>Exam taken Fall 2009 or later</i>	SDCCD: 6 semester units CSU: 6 semester units UC: 8 quarter/5.3 semester units	SDCCD GE: 4 semester units towards Area 5 Cal-GETC: 4 semester units towards Area 5A & 5C	SDCCD: CHEM 200
Chemistry 4 or 5 <i>Exam taken Fall 2009 or later</i>	SDCCD: 6 semester units CSU: 6 semester units UC: 8 quarter/5.3 semester units	SDCCD GE: 4 semester units towards Area 5 Cal-GETC: 4 semester units towards Area 5A & 5C	SDCCD: CHEM 200 & CHEM 201
Chinese Language & Culture 3, 4, or 5	SDCCD: 6 semester units CSU: 6 semester units UC: 8 quarter/ 5.3 semester units	SDCCD GE: 3 semester units towards Area 3 Cal-GETC: 3 semester units towards Area 3B	SDCCD: N/A
Comparative Government & Politics 3, 4, or 5	SDCCD: 3 semester units CSU: 3 semester units UC: 4 quarter/ 2.6 semester units	SDCCD GE: 3 semester units towards Area 4 Cal-GETC: 3 semester units towards Area 4	SDCCD: POLI 103
Computer Science A¹ 3, 4, or 5	SDCCD: 3 semester units CSU: 3 semester units UC: 8 quarter/ 5.3 semester units	SDCCD GE: N/A Cal-GETC: N/A	SDCCD: N/A
Computer Science Principles¹ 3, 4, or 5 <i>Exam taken Fall 2022 or later</i>	SDCCD: 6 semester units CSU: 6 semester units UC: 8 quarter/ 5.3 semester units	SDCCD GE: 3 semester units towards Area 2 Cal-GETC: N/A	SDCCD: N/A
English Language and Composition 3, 4, or 5	SDCCD: 6 semester units CSU: 6 semester units UC: 8 quarter/ 5.3 semester units ²	SDCCD GE: 3 semester units towards Area 1A Cal-GETC: 3 semester units towards Area 1A	SDCCD: ENGL C1000
English Literature and Composition 3, 4, or 5	SDCCD: 6 semester units CSU: 6 semester units UC: 8 quarter/5.3 semester units ²	SDCCD GE: 6 semester units towards Area 1A & 3 Cal-GETC: 3 semester units towards Area 1A or 3B	SDCCD: ENGL C1000

EXAM AND REQUIRED SCORE	UNIT REQUIREMENTS FULFILLED	GENERAL EDUCATION (GE) REQUIREMENTS FULFILLED	MAJOR REQUIREMENTS FULFILLED
Environmental Science 3 <i>Exam taken Fall 2009 or later</i>	SDCCD: 4 semester units CSU: 4 semester units UC: 4 quarter/2.6 semester units	SDCCD GE: 3 semester units towards Area 5 ⁸ Cal-GETC: 3 semester units towards Area 5A & 5C ⁸	SDCCD: N/A
Environmental Science 4 or 5 <i>Exam taken Fall 2009 or later</i>	SDCCD: 4 semester units CSU: 4 semester units UC: 4 quarter/2.6 semester units	SDCCD GE: 3 semester units towards Area 5 ⁸ Cal-GETC: 3 semester units towards Area 5A & 5C ⁸	SDCCD: BIOL 120
European History 3, 4, or 5 <i>Exam taken after Spring 2009</i>	SDCCD: 6 semester units CSU: 6 semester units UC: 8 quarter/5.3 semester units	SDCCD GE: 3 semester units towards Area 3 or 4 Cal-GETC: 3 semester units towards Area 3B or 4	SDCCD: N/A
French Language and Culture 3, 4, or 5	SDCCD: 6 semester units CSU: 6 semester units UC: 8 quarter/5.3 semester units	SDCCD GE: 3 semester units towards Area 3 Cal-GETC: 3 semester units towards Area 3B	SDCCD.: N/A
German Language and Culture 3, 4, or 5	SDCCD: 6 semester units CSU: 6 semester units UC: 8 quarter/5.3 semester units	SDCCD GE: 3 semester units towards Area 3 Cal-GETC: 3 semester units towards Area 3B	SDCCD: N/A
Human Geography 3, 4, or 5	SDCCD: 3 semester units CSU: 3 semester units UC: 4 quarter/2.6 semester units	SDCCD GE: 3 semester units towards Area 4 Cal-GETC: 3 semester units towards Area	SDCCD: GEOG 102
Italian Language and Culture 3	SDCCD: 6 semester units CSU: 6 semester units UC: 8 quarter/5.3 semester units	SDCCD GE: 3 semester units towards Area 3 Cal-GETC: 3 semester units towards Area 3B	SDCCD: ITAL 101
Italian Language and Culture 4 or 5	SDCCD: 6 semester units CSU: 6 semester units UC: 8 quarter/5.3 semester units	SDCCD GE: 3 semester units towards Area 3 Cal-GETC: 3 semester units towards Area 3B	SDCCD: ITAL 102
Japanese Language and	SDCCD: 6 semester units	SDCCD GE: 3 semester units towards Area 3	SDCCD: N/A

EXAM AND REQUIRED SCORE	UNIT REQUIREMENTS FULFILLED	GENERAL EDUCATION (GE) REQUIREMENTS FULFILLED	MAJOR REQUIREMENTS FULFILLED
Culture 3, 4, or 5	CSU: 6 semester units UC: 8 quarter/5.3 semester units	Cal-GETC: 3 semester units towards Area 3B	
Latin 3, 4 or 5	SDCCD: 6 semester units CSU: 6 semester units UC: 8 quarter/5.3 semester units	SDCCD GE: 3 semester units towards Area 3 Cal-GETC: 3 semester units towards Area	SDCCD: N/A
Macroeconomics 3, 4, or 5	SDCCD: 3 semester units CSU: 3 semester units UC: 4 quarter/2.6 semester units	SDCCD GE: 3 semester units towards Area 4 Cal-GETC: 3 semester units towards Area 4	SDCCD: ECON 120
Microeconomics 3, 4, or 5	SDCCD: 3 semester units CSU: 3 semester units UC: 4 quarter/2.6 semester units	SDCCD GE: 3 semester units towards Area 4 Cal-GETC: 3 semester units towards Area 4	SDCCD: ECON 121
Physics 1: Algebra Based 3, 4, or 5	SDCCD: 4 semester units ³ CSU: 4 semester units ³ UC: 8 quarter/5.3 semester units ³	SDCCD GE: 4 semester units towards Area 5 ⁵ Cal-GETC: 4 semester units towards Area 5A & 5C ⁵	SDCCD: N/A
Physics 2: Algebra Based 3, 4, or 5	SDCCD: 4 semester units ³ CSU: 4 semester units ³ UC: 8 quarter/5.3 semester units ³	SDCCD GE: 4 semester units towards Area 5 ⁵ Cal-GETC: 4 semester units towards Area 5A & 5 ⁵	SDCCD: N/A
Physics C (electricity / magnetism) 3, 4, or 5	SDCCD: 4 semester units ³ CSU: 4 semester units ³ UC: 4 quarter/2.6 semester units ³	SDCCD GE: 3 semester units towards Area 5 ⁴ Cal-GETC: 3 semester units towards Areas 5A & 5C ⁴	SDCCD: N/A
Physics C (mechanics) 3, 4, or 5	SDCCD: 4 semester units ³ CSU: 4 semester units ³ UC: 4 quarter/2.6 semester units ³	SDCCD GE: 3 semester units towards Area 5 ³ Cal-GETC: 3 semester units towards Areas 5A & 5C ⁴	SDCCD: N/A

EXAM AND REQUIRED SCORE	UNIT REQUIREMENTS FULFILLED	GENERAL EDUCATION (GE) REQUIREMENTS FULFILLED	MAJOR REQUIREMENTS FULFILLED
Precalculus 3, 4 or 5	SDCCD: 6 semester units CSU: 3 semester units UC: N/A	SDCCD GE: 3 semester units towards Area 2 Cal-GETC: N/A	SDCCD: N/A
Psychology 3, 4, or 5	SDCCD: 3 semester units CSU: 3 semester units UC: 4 quarter/2.6 semester units	SDCCD GE: 3 semester units towards Area 4 Cal-GETC: 3 semester units towards Area 4	SDCCD: PSYC C1000
Seminar 3, 4, 5	SDCCD: 3 semester units CSU: 3 semester units UC: N/A	SDCCD GE: N/A Cal-GETC: N/A	SDCCD: N/A
Spanish Language and Culture 3, 4, or 5	SDCCD: 6 semester units CSU: 6 semester units UC: 8 quarter/5.3 semester units	SDCCD GE: 3 semester units towards Area 3 Cal-GETC: 3 semester units towards Area 3B	SDCCD: N/A
Spanish Literature and Culture 3, 4, or 5	SDCCD: 6 semester units CSU: 6 semester units UC: 8 quarter/5.3 semester units	SDCCD GE: 3 semester units towards Area 3 Cal-GETC: 3 semester units towards Area 3B	SDCCD: N/A
Statistics 3, 4, or 5	SDCCD: 3 semester units CSU: 3 semester units UC: 4 quarter/2.6 semester units	SDCCD GE: 3 semester units towards Area 2 Cal-GETC: 3 semester units towards Area 2	SDCCD: STAT C1000
U.S. Government & Politics 3, 4, or 5 <i>Exam taken after Spring 2025</i>	SDCCD: 3 semester units CSU: 3 semester units UC: 4 quarter/2.6 semester units	SDCCD GE: 3 semester units towards Area 4 & US-2 ⁷ Cal-GETC: 3 semester units towards Area 4	SDCCD: POLS C1000
U.S. History 3, 4, or 5 <i>Exam taken after Fall 2009</i>	SDCCD: 6 semester units CSU: 6 semester units UC: 8 quarter/5.3 semester units	SDCCD GE: 3 semester units towards Area 3 & US-1 ⁷ or Area 4 & US-1 ⁷ Cal-GETC: semester units towards Area 3B	SDCCD: HIST 109
World History 3, 4, or 5	SDCCD: 3 semester units CSU: 3 semester units	SDCCD GE: 3 semester units towards Area 3 or 4	SDCCD: HIST 101

EXAM AND REQUIRED SCORE	UNIT REQUIREMENTS FULFILLED	GENERAL EDUCATION (GE) REQUIREMENTS FULFILLED	MAJOR REQUIREMENTS FULFILLED
<i>Exam taken after Spring 2022</i>	UC: 8 quarter/5.3 semester units	Cal-GETC: 3 semester units towards Area 3B or 4	

* Credit may not be awarded for exams which duplicate credit for the same content earned through other means.

Exams may meet multiple general education requirements. However, one exam may only be used to fulfill one general education area, even if it's approved for more than one.

1. If a student passes more than one exam in calculus, only one exam may be applied to UC/CSU baccalaureate or SDCCD associate degree/certificate requirements. If a student passes more than one computer science exam, only one exam may be applied to UC/CSU baccalaureate or SDCCD associate degree / certificate requirements
2. Students passing both English AP exams will receive a maximum of 8 quarter units / 5.3 semester units toward UC baccalaureate degree requirements.
3. Students passing more than one AP exam in Physics will receive a maximum of 6 semester units of credit toward SDCCD associate degree/certificate and CSU baccalaureate requirements. A maximum of 8 quarter units (5.3 semester units) may be awarded toward UC baccalaureate degree requirements.
4. Students passing either of the Physics C exams will receive 3 semester units(4 quarter units) towards Cal-GETC Area 5A and 5C.
5. Students passing the Physics 1 or Physics 2 exam will receive 4 semester (5 quarter units) toward Cal-GETC Area 5A and 5C.
6. Students passing more than one AP exam in studio art will receive a maximum of 8 quarter units/5.3 semester units of credit toward UC baccalaureate degree requirements.
7. Students who have completed the American Institutions requirement except for the California government portion must complete one course approved in Area US-3.
8. Students who pass AP Environmental Science will receive 3 semester units (4 quarter units) towards Cal-GETC Area 5A and 5C.

SDCCD Credit is granted *only* for the specific AP exams listed in this catalog.

To request an official transcript, write to PSAT/NMSQT Office, P.O. Box 6720, Princeton, NJ, 08541-6720 or order online from the [AP website](#).

Historical Advanced Placement Chart

This [chart](#) provides a historical reference for AP exam credit policies in prior academic years. It reflects how credit was granted for AP exams based on institutional policies in effect at that time. Students should refer to the current AP credit chart for the most up-to-date information regarding AP exam applicability to general education and degree requirements.

International Baccalaureate (IB) Credit

EXAM AND REQUIRED SCORE	UNIT REQUIREMENTS FULFILLED	GENERAL EDUCATION (GE) REQUIREMENTS FULFILLED	MAJOR REQUIREMENTS FULFILLED
Biology 5-7 Higher Level	SDCCD: 6 semester units CSU: 6 semester units UC: 8 quarter/5.3 semester units	SDCCD GE: 3 semester units towards Area 5 Cal-GETC: 3 semester units towards Area 5B	SDCCD: N/A
Chemistry 5-7 Higher Level	SDCCD: 6 semester units CSU: 6 semester units UC: 8 quarter/5.3 semester units	SDCCD GE: 3 semester units towards Area 5 Cal-GETC: 3 semester units towards Area 5A	SDCCD: N/A
Economics 5-7 Higher Level	SDCCD: 6 semester units CSU: 6 semester units UC: 8 quarter/5.3 semester units	SDCCD GE: 3 semester units towards Area 4 Cal-GETC: 3 semester units towards Area 4	SDCCD: ECON 120 & ECON 121
Geography 5-7 Higher Level	Geography 5-7 Higher Level	SDCCD: 6 semester units CSU: 6 semester units UC: 8 quarter/5.3 semester units	SDCCD: N/A
History (any region) 5-7 Higher Level	SDCCD: 6 semester units CSU: 6 semester units UC: 8 quarter/5.3 semester units	SDCCD GE: 3 semester units towards Area 3 or 4 Cal-GETC: 3 semester units towards Area 3B or 4	SDCCD: N/A
Language A Literature 5-7 Higher Level	SDCCD: 6 semester units CSU: 6 semester units UC: 8 quarter/5.3 semester units	SDCCD GE: 3 semester units towards Area 3 Cal-GETC: 3 semester units towards Area 3	SDCCD: N/A
Language A Language and Literature 5-7 Higher Level	SDCCD: 6 semester units CSU: 6 semester units UC: 8 quarter/5.3 semester units	SDCCD GE: 3 semester units towards Area 3 Cal-GETC: 3 semester units towards Area 3B	SDCCD: N/A
Language B (any language) 5-7 Higher Level	SDCCD: 6 semester units CSU: 6 semester units UC: 8 quarter/5.3 semester units	SDCCD GE: N/A Cal-GETC: N/A	SDCCD: N/A

EXAM AND REQUIRED SCORE	UNIT REQUIREMENTS FULFILLED	GENERAL EDUCATION (GE) REQUIREMENTS FULFILLED	MAJOR REQUIREMENTS FULFILLED
Mathematics 5-7 Higher Level: Analysis and Approaches	SDCCD: 6 semester units CSU: 6 semester units UC: 8 quarter/5.3 semester units	SDCCD GE: 3 semester units towards Area 2 Cal-GETC: 3 semester units towards Area 2	SDCCD: N/A
Mathematics 5-7 Higher Level: Applications and Interpretation	SDCCD: 6 semester units CSU: 6 semester units UC: 8 quarter/5.3 semester units	SDCCD GE: 3 semester units towards Area 2 Cal-GETC: 3 semester units towards Area 2A2	SDCCD: N/A
Physics 5-7 Higher Level	SDCCD: 6 semester units CSU: 6 semester units UC: 8 quarter/5.3 semester units	SDCCD GE: 3 semester units towards Area 5 Cal-GETC: 3 semester units towards Area 5A	SDCCD: N/A
Psychology 5-7 Higher Level	SDCCD: 6 semester units CSU: 6 semester units UC: 8 quarter/5.3 semester units	SDCCD GE: 3 semester units towards Area 4 Cal-GETC: 3 semester units towards Area 4	SDCCD: N/A
Theatre 5-7 Higher Level	SDCCD: 6 semester units CSU: 6 semester units UC: 8 quarter/5.3 semester units	SDCCD GE: 3 semester units towards Area 3 Cal-GETC: 3 semester units towards Area 3A	SDCCD: N/A

* Credit may not be awarded for exams which duplicate credit for the same content earned through other means.

If a student passes more than one test in the same language other than English (e.g., two exams in French) then only one examination may be applied.

SDCCD Credit is granted *only* for the specific IB exams listed in this catalog.

International Baccalaureate (IB) transcripts may be requested directly from your high school or ordered online through the [International Baccalaureate website](#) to order transcripts online.

Historical International Baccalaureate Credit Chart

This [chart](#) provides a historical reference for IB credit policies in prior academic years. It reflects how credit was granted for IB exams based on institutional policies in effect at that time. Students should refer to the current AP credit chart for the most up-to-date information regarding AP exam applicability to general education and degree requirements.

College Level Examination Program (CLEP)

EXAM AND REQUIRED SCORE	UNIT REQUIREMENTS FULFILLED	GENERAL EDUCATION (GE) REQUIREMENTS FULFILLED	MAJOR REQUIREMENTS FULFILLED
American Government 50 or higher	SDCCD: 3 semester units	SDCCD GE: 3 semester units towards Area 4	SDCCD: N/A
American Literature 50 or higher	SDCCD: 3 semester units CSU: 3 semester units	SDCCD GE: 3 semester units towards Area 3	SDCCD: N/A
Analyzing and Interpreting Literature 50 or higher	SDCCD: 3 semester units CSU: 3 semester units	SDCCD GE: 3 semester units towards Area 3	SDCCD: N/A
Biology 50 or higher	SDCCD: 3 semester units CSU: 3 semester units	SDCCD GE: 3 semester units towards Area 5	SDCCD: N/A
Calculus 50 or higher <i>Exams taken after Spring 2010</i>	SDCCD: 3 semester units CSU: 3 semester units	SDCCD GE: 3 semester units towards Area 2	SDCCD: N/A
Chemistry 50 or higher <i>Exams taken after Spring 2010</i>	SDCCD: 3 semester units CSU: 3 semester units	SDCCD GE: 3 semester units towards Area 5	SDCCD: N/A
College Algebra 50 or higher	SDCCD: 3 semester units CSU: 3 semester units	SDCCD GE: 3 semester units towards Area 2	SDCCD: N/A
College Algebra - Trigonometry 50 or higher	SDCCD: 3 semester units CSU: 3 semester units	SDCCD GE: 3 semester units towards Area 2	SDCCD: N/A
Financial Accounting 50 or higher	SDCCD: 3 semester units CSU: 3 semester units	SDCCD GE: N/A	SDCCD: N/A
French – Level I 50 or higher	SDCCD: 6 semester units ¹ CSU: 6 semester units ¹	SDCCD GE: N/A	SDCCD: N/A
French – Level II 59 or higher	SDCCD: 9 semester units ¹ CSU: 9 semester units ¹	SDCCD GE: 3 semester units towards Area 3	SDCCD: N/A

EXAM AND REQUIRED SCORE	UNIT REQUIREMENTS FULFILLED	GENERAL EDUCATION (GE) REQUIREMENTS FULFILLED	MAJOR REQUIREMENTS FULFILLED
German – Level I 50 or higher	SDCCD: 6 semester units ¹ CSU: 6 semester units ¹	SDCCD GE: N/A	SDCCD: N/A
German – Level II 60 or higher	SDCCD: 9 semester units ¹ CSU: 9 semester units ¹	SDCCD GE: 3 semester units towards Area 3	SDCCD: N/A
History of the United States I 50 or higher	SDCCD: 3 semester units CSU: 3 semester units	SDCCD GE: 3 semester units towards Area 4 & US-1 ²	SDCCD: N/A
History of the United States II 50 or higher	SDCCD: 3 semester units CSU: 3 semester units	SDCCD GE: 3 semester units towards Area 4 & US-1 ²	SDCCD: N/A
Human Growth and Development 50 or higher	SDCCD: 3 semester units CSU: 3 semester units	SDCCD GE: 3 semester units towards Area 4	SDCCD: N/A
Humanities 50 or higher	SDCCD: 3 semester units CSU: 3 semester units	SDCCD GE: 3 semester units towards Area 3	SDCCD: N/A
Information Systems and Computer Applications 50 or higher	SDCCD: 3 semester units CSU: 3 semester units	SDCCD GE: N/A	SDCCD: N/A
Introduction to Educational Psychology 50 or higher	SDCCD: 3 semester units CSU: 3 semester units	SDCCD GE: N/A	SDCCD: N/A
Introductory Business Law 50 or higher	SDCCD: 3 semester units CSU: 3 semester units	SDCCD GE: N/A	SDCCD: N/A
Introductory Psychology 50 or higher	SDCCD: 3 semester units CSU: 3 semester units	SDCCD GE: 3 semester units towards Area 4	SDCCD: N/A
Introductory Sociology 50 or higher	SDCCD: 3 semester units CSU: 3 semester units	SDCCD GE: 3 semester units towards Area 4	SDCCD: N/A

EXAM AND REQUIRED SCORE	UNIT REQUIREMENTS FULFILLED	GENERAL EDUCATION (GE) REQUIREMENTS FULFILLED	MAJOR REQUIREMENTS FULFILLED
Natural Sciences 50 or higher	SDCCD: 3 semester units CSU: 3 semester units	SDCCD GE: 3 semester units towards Area 5	SDCCD: N/A
Pre-Calculus 50 or higher	SDCCD: 3 semester units CSU: 3 semester units	SDCCD GE: 3 semester units towards Area 2	SDCCD: N/A
Principles of Accounting 50 or higher	SDCCD: 3 semester units CSU: 3 semester units	SDCCD GE: N/A	SDCCD: N/A
Principles of Macroeconomics 50 or higher	SDCCD: 3 semester units CSU: 3 semester unit	SDCCD GE: 3 semester units towards Area 4	SDCCD: N/A
Principles of Management 50 or higher	SDCCD: 3 semester units CSU: 3 semester units	SDCCD GE: N/A	SDCCD: N/A
Principles of Marketing 50 or higher	SDCCD: 3 semester units CSU: 3 semester units	SDCCD GE: N/A	SDCCD: N/A
Principles of Microeconomics 50 or higher	SDCCD: 3 semester units CSU: 3 semester units	SDCCD GE: 3 semester units towards Area 4	SDCCD: N/A
Spanish – Level I 50 or higher	SDCCD: 6 semester units ¹ CSU: 6 semester units ¹	SDCCD GE: N/A	SDCCD: N/A
Spanish – Level II 63 or higher	SDCCD: 9 semester units ¹ CSU: 9 semester units ¹	SDCCD GE: 3 semester units towards Area 3	SDCCD: N/A
Spanish with Writing I 50 or higher	SDCCD: 6 semester units ¹ CSU: 6 semester units ¹	SDCCD GE: N/A	SDCCD: N/A
Spanish with Writing II 63 or higher	SDCCD: 9 semester units ¹ CSU: 9 semester units ¹	SDCCD GE: 3 semester units towards Area 3	SDCCD: N/A

EXAM AND REQUIRED SCORE	UNIT REQUIREMENTS FULFILLED	GENERAL EDUCATION (GE) REQUIREMENTS FULFILLED	MAJOR REQUIREMENTS FULFILLED
Western Civilization I 50 or higher	SDCCD: 3 semester units CSU: 3 semester units	SDCCD GE: 3 semester units towards Area 3 or 4	SDCCD: N/A
Western Civilization II 50 or higher	SDCCD: 3 semester units CSU: 3 semester units	SDCCD GE: 3 semester units towards Area 4	

College Level Examination Program (CLEP): CLEP examinations are *not applicable* to the Cal-GETC pattern and are *not accepted for transfer credit* by the University of California (UC) system. Credit is granted *only* for the specific CLEP exams listed in this catalog.

* Credit may not be awarded for exams which duplicate credit for the same content earned through other means.

1. If a student passes more than one exam in the same language other than English (e.g. two exams in French), then only one examination may be applied toward SDCCD Associate Degree/Certificate and CSU baccalaureate degree requirements.
2. Students who have completed the American Institutions US-1 requirement must complete the American Institutions US-2 and US-3 requirements.

SDCCD Credit is granted *only* for the specific CLEP exams listed in this catalog.

To request an official CLEP transcript login to your [CLEP Portal](#) or send a written request to: Educational Testing Service, P.O. Box 6600, Princeton, NJ 08541-6600.

Historical College Level Examination Program (CLEP) Chart

This [chart](#) provides a historical reference for CLEP credit policies in prior academic years. It reflects how credit was granted for CLEP exams based on institutional policies in effect at that time. Students should refer to the current AP credit chart for the most up-to-date information regarding AP exam applicability to general education and degree requirements.

DANTES Subject Standardized Test (DANTES/DSST)

EXAM AND REQUIRED SCORE	UNIT REQUIREMENTS FULFILLED	GENERAL EDUCATION (GE) REQUIREMENTS FULFILLED	MAJOR REQUIREMENTS FULFILLED
A History of the Vietnam War 400 or higher	SDCCD: 3 semester units	SDCCD GE: N/A	SDCCD: N/A
Art of the Western World 400 or higher	SDCCD: 3 semester units	SDCCD GE: 3 semester units towards Area 3	SDCCD: N/A
Astronomy 400 or higher	SDCCD: 3 semester units	SDCCD GE: 3 semester units towards Area 5	SDCCD: N/A
Business Ethics & Society 400 or higher	SDCCD: 3 semester units	SDCCD GE: N/A	SDCCD: N/A
Business Mathematics 400 or higher	SDCCD: 3 semester units	SDCCD GE: N/A	SDCCD: N/A
Criminal Justice 400 or higher	SDCCD: 3 semester units	SDCCD GE: N/A	SDCCD: N/A
Environment and Humanity 400 or higher	SDCCD: 3 semester units	SDCCD GE: N/A	SDCCD: N/A
Ethics in America 400 or higher	SDCCD: 3 semester units	SDCCD GE: N/A	SDCCD: N/A
Foundations of Education 400 or higher	SDCCD: 3 semester units	SDCCD GE: N/A	SDCCD: N/A
Fundamentals College Algebra 400 or higher	SDCCD: 3 semester units	SDCCD GE: 3 semester units towards Area 2	SDCCD: N/A
Fundamentals of Counseling 400 or higher	SDCCD: 3 semester units	SDCCD GE: N/A	SDCCD: N/A
Fundamentals of	SDCCD: 3 semester units	SDCCD GE: N/A	SDCCD: N/A

EXAM AND REQUIRED SCORE	UNIT REQUIREMENTS FULFILLED	GENERAL EDUCATION (GE) REQUIREMENTS FULFILLED	MAJOR REQUIREMENTS FULFILLED
Cybersecurity 400 or higher			
Here's to Your Health 400 or higher	SDCCD: 3 semester units	SDCCD GE: Health Education District Requirement	SDCCD: N/A
Human Cultural Geography 400 or higher	SDCCD: 3 semester units	SDCCD GE: N/A	SDCCD: N/A
Human Resources Management 400 or higher	SDCCD: 3 semester units	SDCCD GE: N/A	SDCCD: N/A
Introduction to Business 400 or higher	SDCCD: 3 semester units	SDCCD GE: 3 semester units towards Area 4	SDCCD: N/A
Introduction to Computing 400 or higher	SDCCD: 3 semester units	SDCCD GE: N/A	SDCCD: N/A
Introduction to Law Enforcement 400 or higher	SDCCD: 3 semester units	SDCCD GE: 3 semester units towards Area 4	SDCCD: N/A
Introduction to World Religions 400 or higher	SDCCD: 3 semester units	SDCCD GE: 3 semester units towards Area 3	SDCCD: N/A
Lifespan Developmental Psychology 400 or higher	SDCCD: 3 semester units	SDCCD GE: N/A	SDCCD: N/A
Management Information Systems 400 or higher	SDCCD: 3 semester units	SDCCD GE: N/A	SDCCD: N/A
Organizational Behavior 400 or higher	SDCCD: 3 semester units	SDCCD GE: N/A	SDCCD: N/A

EXAM AND REQUIRED SCORE	UNIT REQUIREMENTS FULFILLED	GENERAL EDUCATION (GE) REQUIREMENTS FULFILLED	MAJOR REQUIREMENTS FULFILLED
Personal Finance 400 or higher	SDCCD: 3 semester units	SDCCD GE: N/A	SDCCD: N/A
Principles of Finance 400 or higher	SDCCD: 3 semester units	SDCCD GE: N/A	SDCCD: N/A
Principles of Physical Science 400 or higher	SDCCD: 3 semester units	SDCCD GE: 3 semester units towards Area 5	SDCCD: N/A
Principles of Public Speaking 400 or higher	SDCCD: 3 semester units	SDCCD GE: 3 semester units towards Area 1B	SDCCD: N/A
Principles of Statistics 400 or higher	SDCCD: 3 semester units	SDCCD GE: 3 semester units towards Area 2	SDCCD: N/A
Principles of Supervision 400 or higher	SDCCD: 3 semester units	SDCCD GE: N/A	SDCCD: N/A
Substance Abuse (formerly Drug & Alcohol Abuse) 400 or higher	SDCCD: 3 semester units	SDCCD GE: N/A	SDCCD: N/A
Technical Writing 400 or higher	SDCCD: 3 semester units	SDCCD GE: N/A	SDCCD: N/A
The Civil War and Reconstruction 400 or higher	SDCCD: 3 semester units	SDCCD GE: N/A	SDCCD: N/A

* Credit may not be awarded for exams which duplicate credit for the same content earned through other means.

Dantes Subject Standardized Exams (DANTES/DSST): Dantes/DSST examinations are *not applicable* to the Cal-GETC pattern and are *not accepted for transfer credit* by the University of California (UC) and the California State University (CSU) Systems.

SDCCD credit is granted *only* for the specific CLEP exams listed in this catalog.

To request an official DANTES transcript contact:

PROMETRIC ATTN: DSST Program
1260 Energy Lane
St. Paul, MN 55108,

Phone: 877-471-9860 (toll free) or 651-603-3011

Transcripts may also be requested online through the [Dantes website](#).

Historical DANTES Subject Standardized Test (DANTES/DSST) Chart

This [chart](#) provides a historical reference for DANTES exam credit policies in prior academic years. It reflects how credit was granted for DANTES exams based on institutional policies in effect at that time. Students should refer to the current AP credit chart for the most up-to-date information regarding AP exam applicability to general education and degree requirements.

Student-Created Portfolio Assessment

Students interested in Credit for Prior Learning using a student-created portfolio shall receive credit as recommended by the appropriate department chair or faculty designee. Approved list of courses are available in the College Evaluations Office.

Students may petition for credit for prior learning: student-created portfolio assessment by accessing [Forms & Documents](#).

See eligibility requirements and limitations on credit for prior learning.

Student Rights, Responsibilities and Campus Policies



Disclaimer: SDCCD continuously reviews and updates policies and procedures to ensure compliance with state and federal regulations and changes in business practices. Please refer to the [SDCCD website](#) for the most up-to-date information.

Support Services, Programs and Disability Discrimination Procedures for Students with Disabilities

(Board of Trustees Policy - BP 5140)

The District is committed to educational opportunity for students with disabilities and will comply with all provisions of Section 504 of the Rehabilitation Act of 1973, the Americans with Disability Act, as amended, and Section 508 of the Rehabilitation Act of 1973. Students with disabilities will be reasonably accommodated in compliance with federal and state requirements in all applicable programs of the District. Disability Support Programs and Services (DSPS) shall be primarily responsible for authorizing academic adjustments, auxiliary aids, services, or instruction that facilitate equal educational opportunities for disabled students who can benefit from instruction as required by federal and state laws. The fundamental principles of nondiscrimination and accommodation in academic programs provide that:

1. DSPS services will be available to students with verified disabilities, including but not limited to, reasonable accommodations, academic adjustments, disability management, vocational and academic counseling, technology accessibility, accessible facilities, equipment, instructional programs;
2. No student with a qualified disability will, because of the disability, be excluded from participation in, be denied the benefit of, or otherwise be subjected to discrimination under any post-secondary education activity or program; and
3. The institution will create an educational environment where disabled students have equal access to instruction, including those taking place in work preparation and clinical settings, without compromising the essential components of the course, educational program, or degree.

The District will respond in a timely manner to academic accommodation requests. See Administrative Procedure, AP 5140, Support Services and Disability Discrimination Procedures for Students with Disabilities, for implementation of this policy, which provides for an interactive and individualized review of each request.

The District identifies DSPS, or the 504 Officer, as the office or individual to determine academic accommodations under Section 504 of the 1973 Rehabilitation Act. DSPS will notify the appropriate administrator when unable to resolve a student complaint about the provision of a requested accommodation.

The Site Compliance Officer (SCO) is identified as the campus individual to handle all discrimination grievances under the Americans with Disabilities Act and can also be found through the District's Equal Employment Opportunity and Diversity Office.

All programs and services of the District, including the DSPS program, shall conform to all requirements established by the relevant law and regulations.

You may view a full copy of the Student Services policy and administrative procedure by accessing the following [website](#).

Students with verified disabilities who may require academic accommodations or auxiliary aids are strongly recommended to contact the Disability Support Programs and Services (DSPS) Department, Room I4-405, 619-388-2780 and complete the orientation procedures well before classes begin to ensure timely provision of services. Students are encouraged to identify themselves to the appropriate instructors to discuss the details and time lines necessary to provide appropriate accommodations. Students enrolled in online courses are encouraged to contact the college DSPS department where the courses are being offered to request academic accommodation. Questions regarding academic accommodations and disability discrimination, including how to file a complaint or a formal grievance with regards to academic accommodations should be directed to the college 504 Officer, Claudia Perkins cperkins@sdccd.edu at 619-388-2699 in Student Affairs I4-408.

Students may file a complaint with the Chancellor of the California Community Colleges within thirty calendar days of the event or following the completion of the college [Accommodation Grievance process](#).

Students may file a complaint with the Federal Office of Civil Rights in San Francisco, California, if he or she believes that the college or one of its representatives is violating his or her rights, by accessing the [U.S. Department of Education website](#).

Exclusion from Classes

A student may be excluded from class or the college whenever the student:

1. Exhibits behavior which interferes with the educational process. An instructor may remove a student from two class sessions for disruptive behavior. (Refer to BP 5500: Student Rights, Responsibilities, Campus Safety and Administrative Due Process). You may view a full copy of the policy by accessing the following [website](#); or
2. Is found to have a communicable disease which requires isolation pursuant to a directive from the County Department of Public Health.

Minor Children on Campus

Minor children who are not enrolled are not permitted in any classroom at any time.

Minor children who are not enrolled are not to be left unattended at any time while on the campus.

Consumer Information

The Student Consumer Information Regulations of the United States Department of Education require all colleges and universities to provide their students access to certain information to which they are entitled to as consumers. Under these regulations, San Diego City, Mesa, and Miramar College and Continuing Education annually

distributes to all students a notice of the availability of consumer information. Please visit our [webpage](#) to review the information outlined for consumer disclosure by the Higher Education Opportunity Act (HEOA).

This information is available in a hard-copy form upon request.

Student Right to Know

In compliance with the federal Student-Right-to-Know and Campus Security Act of 1990, it is the policy of the college district to make available completion and transfer rates for all certificate, degree and transfer seeking first-time, full-time students who began in Fall 2017, a three year tracking period.

The completion and transfer rates are listed below:

	Completion Rates	Transfer-Out Rates
City	22.72%	10.15%
Mesa	28.71%	14.36%
Miramar	41.78%	14.02%

These rates do not represent the success rates of the entire student population at the college. Our statewide completion indicators for student success include a six-year tracking period for all first-time students. Current information can be found, by accessing the [California Community Colleges website](#).

Athlete Graduation Rate for Fall 2018 Cohort

	Initial Cohort	Completion Rate	Transfer Rate
City College/ ECC	27	11%	15%
Mesa College	19	16%	11%
Miramar College	17	18%	12%

Source: SDCCD Information System and National Student Clearinghouse

The cohort includes first-time athletes who are enrolled full-time. Athletes are identified in a fall term based on enrollment in intercollegiate athletic courses. Student athletes are tracked for three years to measure their outcomes. Two measures are provided. The first measure, completion rate, is the total number of students who earn a degree, certificate, or reach transfer prepared status (60 transferable units with a GPA greater than or equal to 2.0). The second measure is transfer rate, which includes all non-completers who transferred to a four-year institution. These definitions match the methodology used for the Student Right-To-Know (SRTK) graduation rates, which are also consistent with how the NCAA reports Athlete graduation rates.

Nondiscrimination Policy

(Board of Trustees Policy – BP 3410)

San Diego Community College District Board of Trustees Policy BP 3410 prohibits discrimination in accordance with state and federal laws. The San Diego Community College District is committed to equal opportunity in educational programs, employment, and all access to institutional programs and activities.

The District, and each individual who represents the District, shall provide access to its services, classes, and programs without regard to national origin, religion, age, gender, gender identity, gender expression, race or ethnicity, color, medical condition, genetic information, ancestry, sexual orientation, marital status, physical or mental disability, pregnancy, military or veteran status, or because he/she is perceived to have one or more of the foregoing characteristics, or based on association with a person or group with one or more of these actual or perceived characteristics. No qualified student with a disability shall, by reason of such disability, be excluded from participation in or be denied the benefits of the services, programs or activities of the district or be subjected to discrimination by it. Lack of English speaking skills and/or visual/hearing impairment will not be a barrier to admission or participation in Career Technical Education programs.

Students wishing to file complaints based upon discrimination should contact the campus Equal Employment Opportunity (EEO) Site Compliance Officer, Claudia Perkins at 619-388-2699 in I4-408. Appeals may be made to the District Equal Opportunity & Diversity Officer at the District Administrative Office, 3375 Camino del Rio South, San Diego, CA 92108.

Students with disabilities who want to file a grievance under Section 504 of the 1973 Federal Rehabilitation Act should contact the campus 504 Officer Claudia Perkins at 619-388-2699 in I4-408. Students who want to file a disability discrimination grievance under the Americans with Disabilities Act (ADA) should contact the campus Site Compliance Officer (SCO) Claudia Perkins at 619-388-2699.

You may view a full copy of the policy by accessing the following [website](#).

Free Speech

Free speech areas have been designated on the college campuses to maximize the opportunity for free discussion and expression, while minimizing the potential for disruption of classroom and college activities.

Information concerning free speech areas is available in the office of the Vice President of Student Services, or the Dean of Student Affairs office on campus.

Gender Equity

The Gender Equity Coordinator facilitates the development or updating of the campus Gender Equity Plans in cooperation with committees that are responsible for equity concerns. The Title IX Coordinator can be reached at 619-388-6660.

Title IX. Prohibiting Gender Discrimination and Sexual Harassment

San Diego City, Mesa, and Miramar College are committed to support all regulations under Title IX. Title IX states: "No person in the United States shall, on the basis of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity receiving Federal financial assistance." – 20 USC 1681

San Diego City, Mesa, and Miramar Colleges do not discriminate on the basis of sex, gender, or sexual orientation in its education programs or activities. Title IX of the Education Amendments of 1972, and certain other federal and state laws, prohibit discrimination on the basis of gender, gender identity, or sexual orientation in employment, as well as all education programs and activities, and protect all people regardless of their gender or gender identity from sex discrimination, which includes sexual harassment and sexual violence. These procedures are used when a complaint concerns discrimination on the basis of gender, including sexual harassment.

The sexual harassment of students, including sexual coercion, sexual assault, domestic violence, dating violence and stalking, is a form of sex discrimination and interferes with students' right to receive an education free from discrimination and harassment.

Sexual assault, as that term is used in this section, encompasses several physical sexual acts perpetrated against a person's will or where a person is incapable of giving consent. A person may be unable to give consent due to their use of drugs or alcohol or because of an intellectual or other disability.

A number of different conduct falls into the category of sexual assault, including rape, sodomy, fondling, and sexual assault with an object. All such acts of sexual assault are forms of sexual harassment covered under Title IX.

Further information and procedures for filing a formal complaint of discrimination on the basis of sex, gender, or sexual harassment are found [online](#).

Title IX Officer

College	Name/Title	Location	Email/Phone
District Office	Amber Eckert Title IX Coordinator	San Diego Community College District 3375 Camino Del Rio South, San Diego, CA 92108	titleix@sdccd.edu 619-388-6660
District Office	Poppy Fitch Deputy Title IX Coordinator	San Diego Community College District 3375 Camino Del Rio South, San Diego, CA 92108	pfitch001@sdccd.edu 619-388-6983
San Diego City College	Marciano Perez Vice President, Student Services	San Diego City College, A-222 1313 Park Blvd., San Diego, CA 92101	mperez@sdccd.edu 619-388-3981
San Diego Mesa College	Victoria Kerby Miller Dean of Student Affairs	San Diego Mesa College, I4-408 7250 Mesa College Dr., San Diego, CA 92111	vmiller@sdccd.edu 619-388-2699
San Diego Miramar College	Cheryl Barnard Dean of Student Affairs	San Diego Miramar College, K1-210 10440 Black Mountain Rd., San Diego, CA 92126	cbarnard@sdccd.edu 619-388-7313
San Diego College of Continuing Education	Michele Madrid Novak Dean of Student Affairs	Educational Cultural Complex (ECC), 104 4343 Oceanview Blvd., San Diego, CA 92113	mnovak@sdccd.edu 619-388-4850

Drug Abuse and Alcohol Prevention Program (DAAPP)

The Drug-Free Schools and Communities Act and Drug and Alcohol Abuse Prevention Regulations (Education Department General Administrative Regulations [EDGAR]), specifies that no institution of higher education shall be eligible to receive funds or any other form of financial assistance under any Federal program, including participation in any federally funded or guaranteed student loan program, unless the institution certifies to the Secretary that the institution has adopted and has implemented a program to prevent the use of illicit drugs and the abuse of alcohol by students and employees. In response, the San Diego Community College District (SDCCD) has adopted and implemented program and policies to prevent the unlawful possession, use, or distribution of illicit drugs and alcohol by students and employees.

The San Diego Community College District (San Diego City College, San Diego Mesa College, San Diego Miramar College and Continuing Education) is committed to providing a drug free environment. The institutions also prohibit the use of tobacco products and electronic delivery devices on campus or at college/district sponsored events. Any type of drug use, including alcohol, is dangerous and potentially life threatening. Drugs and alcohol adversely affect the body, mind and behavior. The effects vary from person to person and from usage to usage.

Even low doses of drugs and alcohol can impair judgment and coordination. If you use drugs or alcohol, you risk overdose, accidents, dependence, ill health, as well as legal, financial and personal problems. The federal laws against drugs are divided into two categories: possession and distribution. The penalties are severe depending upon the type of drug, quantity of the drug, and any prior offenses. Possession will earn up to one year in prison and a \$5,000 fine. Distribution will earn up to life in prison and an \$8 million fine. State laws vary and may be more severe.

For more information, please visit the [Drug Abuse and Alcohol Prevention Program \(DAAPP\)](#).

Smoking Regulation

(Board of Trustees Policy - BP 0505)

MESA COLLEGE IS A SMOKE AND TOBACCO-FREE CAMPUS

All campuses and facilities of the San Diego Community College District, City College, Mesa College, Miramar College, and Continuing Education operate in compliance with the provisions of Government Code 7597 and San Diego Municipal Code section 43.1003(a) regulating smoking in a public place or place of employment. In accordance with Board Policy (BP 0505) Smoke and Tobacco Free District Property smoking and the use of any tobacco product are prohibited on all properties owned or controlled by the District.

Mesa College is committed to creating a clean, healthy working and learning environment for students, faculty, staff and visitors. All students, employees and visitors on the Mesa College property are subject to BP 0505 regulations, which will be strictly enforced at all times. Student Health Services at Mesa College offers Cessation Program Referrals to educate the college community about the risks of tobacco and the availability of Smoking Control Programs. Visit or call the Student Health Services on campus for additional information at 619-388-2774.

Additional information is available in the Campus Police Office. For complete SDCCD Policy 0505 and Procedure 0505.2 information, please visit the [website](#).

Crime Awareness and Campus Security

Jeanne Clery Act Crime Statistics

The Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act is the landmark federal law, originally known as the Campus Security Act, which requires colleges and universities across the United States to disclose information about crime on and around their campuses.

The San Diego Community College District Annual Security Report, titled "Safe and Sound, a guide to safety and security in the San Diego Community College District", includes statistics for the previous three years concerning reported crimes that occurred on campus; in certain off-campus buildings or property owned or controlled by the San Diego Community College District; and on public property within, or immediately adjacent to and accessible from, the campus. The report also includes institutional policies concerning campus security, such as policies on drug use, crime prevention, the reporting of crimes, sexual assault and other matters. You can obtain a copy of this report by contacting any campus admissions office, Vice President of Student Services (I-422) office or college police business office. At any time you may view a full copy by accessing the following [website](#).

Pursuant to State and Federal Law information concerning registered sex offenders enrolled or employed by the college may be obtained through the College Police Office.

Elder and Dependent Adult Abuse

An elder is defined as a resident of the State of California who is 65 years of age or older; or a dependent adult, defined as a resident of the State of California between the ages of 18 and 64 years, who has a physical or mental limitation that restricts his or her ability to carry out normal activities or to protect his/her rights.

Post-secondary educational institutions serving dependent adults are designated as mandated reporters with an individual, personal responsibility to comply with the reporting requirements.

Any mandated reporter, who, in his or her professional capacity, or within the scope of his or her employment, has observed or had knowledge of an incident that reasonably appears to be physical abuse, abandonment, isolation, financial abuse, or neglect, or is told by an elder or dependent adult that he or she has experienced behavior constituting physical abuse, abandonment, isolation, financial abuse, or neglect, or reasonably suspects abuse shall report the known or suspected instance of abuse immediately to Adult Protective Services at 1-800-510-2020.

Copyright Responsibility

Any duplication request of copyrighted materials for use in the college's instructional programs must be accompanied by written permission from the copyright owner. Any duplication of copyrighted materials by student, staff, or faculty is to be for the sole purpose of private scholarly study. Since the liability for infringement of statutory or common-law copyright occurs during misuse of duplicated materials, the duplicated copies cannot be sold or distributed. A designated portion of the duplicated copy cannot be included in another's work without the written permission of the copyright owner. All copyright responsibility is assumed by the individual requesting the duplication. San Diego Mesa College, its agents, representatives, and employees are held harmless against all claims, suits, damage costs, and expenses of charges of statutory or common-law infringement resulting from the college's efforts to provide services, materials, and equipment to the requester.

Student Rights, Responsibilities, Campus Safety and Administrative Due Process

(Board of Trustees Policy - BP 5500)

This policy specifies that students are subject to adhering to the policies and procedures of the San Diego Community College District, as well as all federal, state, and local laws. Students are subject to charges of misconduct concerning acts committed on District-owned or controlled property or the District-sponsored activities as specified in the policy.

You may view a full copy of the policy by accessing the following [website](#).

Student Grievance Procedures

The purpose of this procedure is to provide a prompt and equitable means for resolving student grievances. The procedures enumerated in Student Grievance Procedures Administrative Procedure 5530 shall be available to any student who believes a district decision or action has adversely affected his/her rights as a student as specified in Student Rights and Responsibilities, Board Policy 5500, Section a through j. Note that grades are not grievable under this policy. Refer to the Grade Challenge section of this catalog.

You may view a full copy of the policy by accessing the following [website](#).

Volunteer/Visitor Conduct Expectations

In accordance with Administrative Procedure 3100.4, all visitors and volunteers are expected to adhere to the policies and procedures of the San Diego Community College District, as well as all federal, state and local laws. Visitors and volunteers will be subject to removal from classrooms, service areas, and activities of the campus for any of the following acts (but not limited to) while on campus. Any violation may be subject to permanent removal from campus. Violations of state, federal, or local laws or ordinances, while on district premises, will be addressed by college police in accordance with the California Penal Code.

- Act or threat of damage to or theft of property belonging to or located on District-controlled property or facilities.

- The physical or verbal intimidation or harassment of such severity or pervasiveness as to have the purpose or effect of unreasonably interfering with a student's academic performance, or a District employee's work performance, or of creating an intimidating, hostile, or offensive educational or work environment.
- Physical or verbal disruption that is incompatible with instructional or student services activities, administrative procedures, public service functions, authorized curricular or co-curricular activities or prevention of authorized guests from carrying out the purpose for which they are on campus when such a disruption occurs inside of any classroom or facility or in such proximity as to appear reasonably likely to interfere with activities inside of the classroom or facility, or the substantial and material disruption of any other regular campus activity which occurs in any other portion of District-controlled property.
- Disorderly, lewd, indecent or obscene conduct or expression or habitual profanity or vulgarity; any expression which is obscene, libelous or slanderous according to current legal standards or which so incites students as to create a clear and present danger of the commission of unlawful acts, or the substantial disruption of the orderly operation of the community college. (Ed. Code 76120)
- Assault or battery upon a student or district personnel on district premises or at any time or place while under the authority of District personnel.
- Possession of weapons, explosives, unlicensed dangerous chemicals or objects which may be used as weapons or to threaten bodily harm, as specified in District Policy, the California Penal Code, or other applicable laws.

Failure to comply with the reasonable directions of staff members of the district who are acting within the scope of their employment. Continued and willful disobedience or open and persistent defiance of the authority of district personnel, provided such authority is related to district activities or college/center attendance.

You may view a full copy of the policy by accessing the following [website](#).

Student Records, Release, Correction and Challenge

(Administrative Procedure AP-5040)

San Diego Community College District strictly adheres to the Family Education Rights and Privacy (FERPA). This procedure specifies limitations on Federal and State law, and ensures that appropriate record maintenance and destruction systems are in place.

Pursuant to the "Family Rights and Privacy Act of 1974" (Public Law 93-380) and the California Education Code, a student may request to inspect all his/her official school records, files, and related data that are classified as Student Records. The records will be available for review at a mutually convenient time during regular working hours. Contact the Vice President, Student Services. If information in the file is inaccurate, misleading, or inappropriate, a student may request removal of the information or include a statement disputing the material that is challenged.

The law provides that no individual, agency or organization shall have access to a student's records without the written consent of the student, except under very specific conditions:

You may view a full copy of the policy by accessing the following [website](#).

Complaint Processes

San Diego City, Mesa, and Miramar Colleges are committed to an educational environment that is free from interference and disruption and that fosters equity and mutual respect.

Students may file a complaint when they believe that a College faculty or staff member has violated the following Board Policies and Administrative Procedures:

1. Student Rights, Responsibilities, Campus Safety and Administrative Due Process: Board Policy 5500

2. Student Grievance: Administrative Procedure 5530
3. Student Disciplinary Procedures: Administrative Procedure 5520
4. Honest Academic Conduct: Administrative Procedure 3100.3
5. Support Services, Programs and Disability Discrimination Procedures for Students with Disabilities: Administrative Procedure 5140
6. Prohibition of Harassment: Board Policy 3430
7. Prohibition of Sexual Harassment under Title IX: Board Policy 3433
8. Nondiscrimination: Board Policy 3410
9. Fraud Policy and Whistleblower Protection: Board Policy 6125
10. Student Records, Release, Correction and Challenge: Administrative Procedure 5040

Board Policies and Administrative Procedures are available to Individuals [online](#).

Most complaints, grievances or disciplinary matters should be resolved at the campus level. Individuals are strongly encouraged to make every attempt to resolve matters through the appropriate administrative processes.

More information on the complaint processes can be found [online](#).

Academic Complaint

An academic complaint may be filed with the department chair or instructional dean when a student feels that a faculty member has violated state law, federal law, or College policies and procedures relative to grading or other academic matters*. Students may directly contact the department chair or instructional dean or submit their complaint [online](#).

*Important note: All grades awarded by the instructor of record shall be final. The California Code of Regulations, Title 5 §55025, states "the determination of the student's grade by the instructor shall be final in the absence of mistake, fraud, bad faith, or incompetency."

Academic Accommodation Due to Disability Complaint (Section 504/ADA)

Students who have a complaint regarding access to, or quality of, their academic accommodations may contact the DSPS counselor.

Students may submit a complaint [online](#) or contact the campus 504 Officer.

Students with disabilities who want to file a complaint regarding access to or quality of their academic accommodation under Section 504 and/or the American Disabilities Act (ADA) may go through the informal process with the DSPS counselor, if no agreement is reached with the informal process, students may submit a complaint online or contact the campus 504 Officer:

Campus 504 Officer
San Diego City College (District Office Rm 275)
Poppy Fitch pfitch001@sdccd.edu (858) 847-5045
San Diego Mesa College (I4-408)
Claudia Perkins cperkins@sdccd.edu (619) 388-2699
San Diego Miramar College (Room K1-303)

Campus 504 Officer

Allison Douglas-Chicoye
adouglaschicoye@sdccd.edu
(619) 388-7270

San Diego Continuing Education (Room 104, Educational Cultural Complex (ECC))

Michele Madrid-Novak
mnovak@sdccd.edu
(619) 388-1257

General Complaint

A general student complaint may be filed by a student who feels an action of a College staff member, office, or group violates existing College rules, policy, or procedures or other local, state, and federal laws. A complaint of gender discrimination or sexual assault or harassment is not included in this category; please see Title IX complaint below.

The complaint procedures are formalized procedures to ensure timely resolution at the lowest possible level. The first step is the informal resolution stage, which involves the student who has a complaint and the faculty/staff member or specific group with whom the student has a complaint. The student must notify the faculty/staff person or representative of a group that he or she wishes to make an appointment for an informal meeting to review an action. In the absence of the instructor or staff person and after a good faith effort to make contact, the student may directly contact the instructional dean or appropriate administrator or submit their complaint [online](#).

Unlawful Harassment or Discrimination Complaint not Based on Sex or Gender

San Diego City, Mesa and Miramar Colleges are committed to providing an academic environment free of unlawful harassment and unlawful discrimination. Board Policy 5500 defines verbal, physical, visual or written, environmental and harassment and other forms of harassment on campus, and sets forth a procedure for the investigation and resolution of complaints of harassment by or against any staff, or faculty member, or student within the District.

You may view a full copy of the policy by accessing the following [website](#).

These procedures are used when a complaint concerns matters of discrimination or failure to comply with College policy or procedures or federal and/or state regulations including the Civil Rights Act; Executive Orders 11246 and 11375; the Vietnam Era Veterans Readjustment Act of 1974; the Age Discrimination and Employment Act of 1967; Section 504 of the 1973 Federal Rehabilitation Act and Americans with Disabilities Act (ADA); and the nondiscrimination laws of the State of California.

Students who wish to file a complaint may do so [online](#) or contact your college Site Compliance Officer (SCO):

Campus Site Compliance Officer

San Diego City College (District Office Rm 275)

Poppy Fitch
pfitch001@sdccd.edu
(858) 847-5045

San Diego Mesa College (I4-408)

Campus Site Compliance Officer

Claudia Perkins
cperkins@sdccd.edu
(619) 388-2699

San Diego Miramar College (Room M-211E)

Francois Bereaud
fbereaud@sdccd.edu
(619) 388-7503

San Diego Continuing Education (Room 115F, North City Campus)

Lynda Reeves
lreeves@sdccd.edu
(619) 388-1827

Students wishing to pursue a civil rights complaint beyond the college/district level should direct their inquiries to the Office of Civil Rights, United States Department of Education, 50 Beale Street, Suite 7200, San Francisco, CA 94105-1813.

Other Complaint Process

If your complaint is associated with the institution's compliance with academic program quality and accrediting standards, you may contact the [Accrediting Commission for Community and Junior Colleges \(ACCJC\)](#). ACCJC is the agency that accredits the academic programs of the California Community Colleges.

If your complaint does not concern the California Community College's compliance with academic program quality and accrediting standards, you may contact the California Community College Chancellor's Office by completing the [web form](#).

Student Services

Career Center

Location: I4-306, Telephone: 619-388-2777, [Mesa Career Center Website](#)

The Mesa College Career Center is dedicated to empowering students and alumni to achieve their career goals through personalized services and hands-on support. Whether you are exploring potential career paths, preparing for the job market, or seeking real-world experience, we provide comprehensive guidance every step of the way. Our team helps you align your academic journey with your professional aspirations, offering tailored resources for job searching, internship opportunities, and career development.

Student Services Outcomes

The Career Center faculty and staff have identified the following Student Learning Outcomes for the various services provided by the Career Center:

- Students will be able to use Handshake to schedule appointments with Career Peer Ambassadors and Career Counselors.
- Students will have access to attend and participate in career services events, activities and workshops focused on career exploration and readiness tools.
- Students attending career services workshops will show an increased awareness of career exploration and readiness tools.
- Students attending Career Peer Ambassador appointments will show an increased understanding of Resume Writing, Cover Letter Writing or Job & Internship Searching Skills.
- Students attending a Career Counseling appointment will be able to use exploration tools, resources and strategies to explore and clarify their major and career path.

The following services are provided:

- Personalized Career and Major Exploration
- Assistance with Job and Internship Search Strategies
- Resume and Cover Letter Reviews
- Interview Preparation Techniques
- Access to Exclusive Networking and Job Opportunities
- In-Person and Virtual Career Advising Sessions
- Career-Focused Classroom Presentations

All services are free and provide support for students and alumni seeking job and career assistance.

Counseling Services

Location: I4-303, Telephone: 619-388-2672

Academic, career and personal counseling services are provided in the Counseling Department. Counselors are available daily for drop-in meetings by phone, zoom or in person. Appointments are made one week in advance for current students. New students who attended other colleges and are pursuing an Associate's degree or would like to transfer to a university, should submit an official copy of their college transcripts prior to seeing a counselor.

Personal Growth: Transferable self-development courses taught by counselors that can lead to a Certificate of Achievement in Self-Advocacy & Social Awareness.

[Website](#)

San Diego Community College District
Attn: Transcript Department
3375 Camino Del Rio South, Room 100
San Diego, CA 92108

Student Service Outcomes

The Counseling Department faculty and staff have identified the following Student Learning Outcomes for the various services available in the Counseling Center:

1. Utilize intellectual growth in decision making to develop personal, educational, career and athletic goals.
2. Justify major and career choices based on accumulated information or data.
3. Adopt behaviors of satisfying and productive lifestyles and communicate the effects of these behaviors on goal accomplishment.
4. Display enhanced self-respect, positive self-image and effective self-advocacy.

The following services are provided:

Services include academic skills assessment and development of a Student Education Plan (SEP), which outlines what courses are needed for graduation and/or transfer and provides a checklist for requirements completed and those remaining. Students should have official transcripts from other colleges on file and evaluated before seeking to obtain an official SEP. Once students initiate the filing of their transcript(s) and confirm its arrival at the Mesa College Records Office (14-403), a request for the evaluation must be made in the Counseling Department. The entire process may take up to 3 months to complete. Students are advised to review the catalog and schedule for program and general information prior to meeting with a counselor. The Counseling Department offers college success and career planning through courses in Personal Growth listed in the schedule of classes.

Academic, Vocational & Support Services Programs

Umoja

Website

The Umoja Program is designed to support the academic success of Mesa College students. The program is designed to encourage and assist students earning a Certificate of Achievement, Associate Degree, and/or a Transfer Studies Degree. Students participating in Umoja are provided with writing, counseling, and mentoring services. Discussions, activities, and materials utilized in the Umoja Program are from an African American perspective. Umoja is open to all students.

Umoja students participate in the following learning components:

- **Mentoring:** Students receive educational and career advice from Mesa College Faculty/Staff and members of the community through mentorship.
- **Counseling:** Academic, career, and personal counseling is offered by the Umoja Program Counselor and mentors. Umoja Program students develop and complete a career plan and an educational plan.
- **Personal Growth/English:** Umoja Program students enroll in Personal Growth 120 and Personal Growth 140. Personal Growth 120 is paired with English 101 and other Umoja learning community courses such as Black Studies, Communication and Geography
- **Campus Tours:** Umoja Program students participate in CSU/UC Campus tours.
- **Cultural Events:** Umoja Program participates in the planning of Historical Black College University (HBCU) Events, Planning of Black History month activities, and Umoja statewide conferences.
- **Study Skills:** STAR Tutoring program provides tutorial services for Umoja Program students in all subjects. Umoja Program students are encouraged to utilize the College Tutorial Services especially the Writing Center.
- **Peer Support:** Umoja students get an opportunity to develop leadership skills, and conduct campus programs through the Umoja Club. Previous Umoja students act as mentors to current Umoja Program students.

For more information, contact the Umoja Coordinator in the Counseling Office.

Puente Project

Telephone: 619-388-2837, **Website**

The Puente Project, co-sponsored by the University of California and the California Community Colleges, is an academic preparation, retention and transfer program. Puente is a year-long program in which students participate in three components:

- **Writing**—students enroll in English 101 for the Fall and English 205 for the Spring semester. Course materials focus on Latino/Chicano literature and experience to enhance writing skills.
- **Counseling**—academic, personal, transfer and career counseling is offered. Students enroll in PERG 120 for the Fall semester and PERG 140 for the Spring semester.
- **Mentoring**—students are exposed to various career options through their close involvement with mentors.

Materials utilized in the Puente Project come from the Latino/Chicano perspective. Classes are open to all students. If interested in participating, please stop by the Counseling Office, I4-403, and speak to the Puente Counselor.

Puente Counselor: Patricia Rodriguez, 619-388-2672

For more information please visit the Puente [website](#).

Kapwa

Website

Kapwa is a year long Learning Community (LC) taught through an Asian Pacific Islander American (APIA) lens. You will be enrolled with the same group of students for your first year allowing you to create safe spaces to explore your identity. As a Learning Community, we will discuss overlapping themes and topics with some fun activities planned to strengthen our cohort. We hope that our collaboration together further inspires and supports you in your educational and career journey.

Counseling- Academic, career and personal counseling is offered by the Coordinator/Counselor and mentors. You will take Personal Growth 120 in the fall and Personal Growth 130 in the spring. We will help you to identify your major and career goals and develop a comprehensive education plan.

Writing- Scholars are enrolled in English 101 in the fall and English 205 in the spring using course materials with an Asian Pacific Islander American lens.

Work Based Learning- Scholars will participate in hands-on learning activities and engage with industry professionals to explore different career paths and to see the value of diverse ways of knowing and being in the workplace.

Cultural Events- Scholars will help plan and participate in cultural events and Annual Kapwa Summit.

While classes are taught through an APIA lens, you don't have to identify as APIA to join Kapwa. We welcome all students! No matter how you identify, you will discover that Kapwa is a welcoming and accepting space.

For more information, please visit the [website](#) or contact the Kapwa Counselor: Patricia (Trish) Guevarra: pguevarra001@sdccd.edu

Mesa Academics and Athletics Program (MAAP)

Website

Mission Statement

The Mesa Academics and Athletics Program (MAAP) at San Diego Mesa College empowers student-athletes to identify and achieve their educational, career, athletic and personal goals. The support program guides student-athletes to obtain an educational degree while meeting California community college and/or transfer eligibility requirements. MAAP aims to motivate student-athletes to succeed in the classroom, the athletic arena and in the community.

MAAP Goals

- To assist student-athletes in the identification of educational, career, athletic and personal goals
- To empower student-athletes to reach academic, career, personal and athletic success
- To increase retention, graduation and transfer rates of student-athletes
- To encourage each student-athlete to develop independence, self-advocacy and to mature mentally, emotionally, physically, and athletically
- To create an environment within the intercollegiate athletic program that promotes academic achievement
- To provide CCCAA, NCAA, and NAIA resources
- To maximize the academic potential of student-athletes by providing an atmosphere that enhances learning skills, career development, and personal development. This will be done by encouraging the student-athletes to:
 - Enroll in a Personal Growth course, utilize free tutoring services through the Mesa Tutoring and Computing Centers, and use the student services on campus (i.e. Transfer Center, Career Center, Counseling and others).

MAAP Counselor: Michael Temple, 619-388-2672

CalWORKs Program

Location: I4-410, **Telephone:** 619-388-2709, **CalWORKs webpage**

The California Working for Opportunity and Responsibility to Kids (CalWORKs) program offers support services to students who receive CalWORKs funding. Specialized services have been designed to support students in their education, career and personal goals while meeting their welfare to work requirements. Services include academic/vocational counseling, job placement, workshops, work study placement and verification of welfare to work hours.

CRUISE and Peer Navigator Programs

Location: I4-203, **Telephone:** 619-388-2757, **Webpages:** [CRUISE](#), [Peer Navigator](#)

San Diego Mesa College CRUISE (Creating Rich Unique Intellectual Student Experiences) program focuses on student preparation and engagement through peer mentoring and support workshops. CRUISE is an innovative way for new, incoming high school students, returning Adult Learners, Veterans, and Continuing Education students to connect with San Diego Mesa College. The program exposes students to all necessary resources to ensure academic success and present the opportunity to connect students with Peer Navigators. Housed in the AVANZA Engagement Center and unique to Mesa College, Peer Navigators mentor and guide students during CRUISE and offer ongoing support throughout the academic year. Monthly contacts, workshops, and mentoring are just a few of the components available to participants.

Student Learning Outcomes

- Help students feel connected to the college
- Provide instructional workshops and connect students with academic support
- Offer peer mentoring throughout the academic year
- Present students with community-building opportunities
- Personal and leadership development

Disability Support Programs and Services (DSPS)

Location: I4-203, Telephone: 619-388-2780, Video Phone: 619-403-9547, [DSPS webpage](#)

Mesa College provides academic accommodations and services for students with disabilities in compliance with State and Federal legislation including Section 504 and 508 of the Rehabilitation Act of 1973, and the Americans with Disabilities Act Amendments Act (ADAAA).

Students who have a verified disability qualify for academic accommodations and services through the Disability Support Programs and Services (DSPS) department. Student participation in the DSPS program is voluntary. Academic accommodations and services are designed to support students enrolled in on-campus, online, and clinical setting courses in the achievement of their academic and vocational goals.

Educational Assistance classes for students with disabilities may be available to support the college academic and vocational programs through DSPS and the High Tech Center. Academic accommodations provided may include, but are not limited to: priority enrollment, assistive technology and alternate media, interpreters and captioning for students who are deaf or hard of hearing, note taking materials, test taking accommodations, audio recorders, use of specialized equipment and adaptive devices, and disability related counseling and referral.

Liaison with community agencies is also an important component of the program. The campus is physically accessible. Students are encouraged to apply early for timely services.

Service Animals

The San Diego Community College District will permit qualified students with disabilities to use service animals in district facilities and on district campuses (Procedure 3105.2) in compliance with state and federal law.;

Animals are not permitted on campus with the exception of service animals for persons with disabilities. Refer to Administrative Procedure (AP 3105.2) *Service Animals*.

Student Learning Outcomes

- Identify and request appropriate academic accommodations in a timely manner through the interactive process with a DSPS Counselor.
- Apply and adapt individual accommodations.
- Communicate and self-advocate with campus faculty, staff and administrators.

English Language Acquisition (ELAC)

The English Language Acquisition (ELAC) program is committed to supporting non-native speakers of English in developing their academic English language skills to enable them to succeed in college courses. We offer a range of courses designed to engage students from low-intermediate to advanced levels of English. Core courses consist of integrated academic reading, writing, and grammar as well as academic listening and speaking. Specialized courses in areas such as pronunciation and focused grammar are also offered to support the individual needs of each student.

The ELAC program consists of four levels. For more information, students should contact elac@mesa.edu.

For more information on the English Language Acquisition Program, students should contact the college Counseling Office.

EOPS, CARE, NextUp, FAST Scholars, Borderless Scholars, & Rising Scholars

Location: I4-309, Telephone: 619-388-2706, [EOPS webpage](#)

EOPS

Extended Opportunities Programs and Services (EOPS) is a state-funded program. The purpose of the program is to increase the access, academic achievement, retention and overall personal success for economically and educationally disadvantaged students by providing a supportive, student centered environment. Our program is

committed to enhancing the students' educational experience by empowering them to define and pursue their academic, career and personal goals. The services offered are "over and above" those offered by the college's Student Services division. The primary services include assistance in the following areas: priority enrollment, counseling and preparation for transition to four-year universities or the workplace. Services may also include book grants and other financial assistance, depending on funding. For detailed information, contact the EOPS office at 619388-2706 or stop by I4-309.

EOPS Student Learning Outcomes

The Extended Opportunity Programs and Services (EOPS) faculty and staff have identified the following Student Learning Outcomes for the various services provided by EOPS:

- Students will be able to identify requirements necessary to meet EOPS compliance and program expectations
- Students will be able to explain the content of their education plan and identify the general education and major prep courses needed to reach their educational goal

EOPS Eligibility

Students may be eligible to receive EOPS services if they meet all of the following criteria:

1. Must be a California resident or AB540
2. Must be enrolled in 12 units or more
3. Must be eligible to receive the California College Promise Grant A or B at Mesa College
4. Have less than 70 degree applicable units

Additionally, students must meet one of the following criteria:

CARE

Cooperative Agencies Resources for Education (CARE) provides support services to single parents receiving CalWORKs from the county who are attending college. CARE assists students through counseling, specialized workshops, meal cards, gas card, supplies, grants, and much more to address the unique needs to single parents. For more information, contact the EOPS office at 619-388-2706 or stop by I4-309.

NextUP

NextUp is a supplemental component of EOPS. It provides resources and services to students who have experienced foster care. Services may include counseling, books and supplies, grants, childcare and transportation assistance, financial literacy and independent living skills support, and housing assistance. Students must meet eligibility requirements for EOPS, be under the age of 26, and in foster care on or after their 13th birthday. For more information, contact the EOPS office at 619-388-2706 or stop by I4-309 or the FAST Center in K101.

Fostering Academic Success and Transitions (FAST) Scholars

FAST Scholars provides services to students who experienced foster care. Students do not need to qualify for EOPS to be eligible for FAST. FAST Scholars' services include: priority registration, intrusive counseling and case management services, assistance applying for financial aid opportunities such as CHAFEE grant and scholarships, life skills and success seminars and book vouchers (when funding available). For more information, contact the EOPS office at 619-388-2706 or stop by I4-309 or the FAST Center in K101.

The FAST Center is a home for both NextUp and FAST Scholars. It is a place where foster youth are able to gather with other students who were also in care. Here, they can receive supportive services and have access to computers and specific resources to meet their needs. With the support of the center, San Diego Mesa College is able to better support foster youth in accomplishing their educational goals at the Fast center! The FAST Center is located in K-101. For more information, contact the EOPS office at 619-388-2706 or stop by I4-309 or the FAST Center in K101.

Dreamer Resource Center & Borderless Scholars

The Mesa College Dreamer Resource Center is a space devoted to providing resources for the Borderless Scholar Program, which serves students who identify as undocumented, AB-540, Dreamer, DACA, and students from mixed status families.

The Borderless Scholars Program offers various resources to enhance the educational journey and foster the success of undocumented students. Services and resources include personal, career, and academic counseling, assistance with the CA Dream Act application and AB-540 tuition exemption form, workshops, specialized events, free legal services, fellowship and internship opportunities, bookstore credit, incentives, and grants.

Students do not need to qualify for EOPS to be part of this program. For more information, contact the EOPS office at 619-388-2706 or stop by I4-309, or contact the Dreamer Resource Center at 619-3885115 or stop by I4-204.

Rising Scholars

The Rising Scholars Program provides a safe and welcoming space for students who identify as formerly incarcerated/justice impacted. Services include academic and career counseling, meal cards and bookstore cards (based on available funding), partnerships with UC's and SDSU for transfer assistance specific to the needs of the population, and specialized workshops and events. For more information, students may contact the EOPS office at 619-388-2706 or stop by room I4-309.

Currently or previously enrolled in a developmental level course Student Services

- No high school Diploma/GED or are a high school graduate with overall GPA below 2.5
- Are the first one in your family to attend college
- Are an emancipated foster youth
- English is/was not the primary language spoken at home
- Belong to a group that is part of Mesa College's student equity goals

How to Apply

Students interested in applying for the EOPS program must complete an EOPS application and the Free Application for Federal Student Aid (FAFSA) or the California College Promise Grant. Students may apply online through the EOPS website or by visiting the EOPS Office located in I4-309. Students should apply early to ensure that they receive consideration for all services. It is recommended that students complete the FAFSA by the priority filing date published by the Financial Aid Office.

Services for Homeless Students under age of 25

San Diego City, Mesa and Miramar Colleges are committed to ensuring that all students have a fair and equal opportunity to obtain a high-quality education and complete their educational goals. As part of this commitment, the colleges provide referral services for homeless youth through the Extended Opportunity Programs and Services (EOPS) office. Effective Spring 2017, the following services will be provided:

- Access to shower facilities on-campus during designated hours
- Referrals to student support services including financial aid, Cal WORKs, DSPS, food pantries, and mental health services
- Referrals to outside agencies that support homeless shelters, housing referrals, etc. as needed
- Priority Registration, if eligible, starting Summer 2017 registration (requires submission of FAFSA or California College Promise Grant–CCPG application and verification of status)

Students that are homeless, formerly homeless or at risk are encouraged to visit your college's EOPS office for more information.

Pride Center

Location: D-102, Telephone: 619-388-5096, [LGBTQ+ Community and Services](#)

The Pride Center at San Diego Mesa College aims to promote a safe environment where LGBTQIA+ students, staff, faculty, administrators, and allies can be their authentic selves, feel welcomed, comfortable, and at home. Our Pride Center is committed to support our students' educational journey at San Diego Mesa College through anti-oppressive and Queer affirming services that aim to close equity gaps and validates LGBTQIA+ students' identities. The Pride Center provides counseling services, hosts affirming and expressive events and activities, school supplies, free printing, LGBTQIA+ Library with LGBTQIA+ authors and topics, free personal hygiene and care supplies, student leadership opportunities, scholarships, Lavender Graduations, and more! The Pride Center is committed to learning, evaluating, and offering other services our student population might need to succeed at San Diego Mesa College.

Safe Zone training is available at The Pride Center to empower and educate students, staff and faculty. Our Safe Zone training is an opportunity for folks to immerse in a learning and brave environment to best assist the LGBTQIA+ community at San Diego Mesa College. For more information, contact the [Pride Center](#).

The Stand Resource Center

Location: K105-K106, Telephone: 619-388-5726, [The Stand: The Dr. Pamela T. Luster Resource Center](#)



The Stand, seeks to alleviate basic needs insecurity for our students by providing a safe and secure environment where all students have access to free 39 Student Services resources both on campus and in the community including but not limited to food, professional clothing, transportation, childcare, housing, personal health, books and school supplies to help them succeed both in the classroom and in the community.

We accomplish this by providing direct student support where student can meet with a basic needs counselor as well as a food pantry and clothing closet at San Diego Mesa College that assists students with no-cost food and

clothing resources. Resources from The Stand are available to all students. We also provide education to the campus and local community about basic needs insecurity. Visit The Stand in Room K105-106 or contact us by accessing [The Stand: The Dr. Pamela T. Luster Resource Center](#).

Evaluations

Location: I4-306, Telephone: 619-388-2680, [Evaluations webpage](#)

The Mesa College Evaluations Office provides comprehensive support to students obtaining their degrees & certificates and encourages graduate participation in the annual commencement ceremony. We are committed to promoting academic success, recognizing achievements, and empowering students to reach their educational goals. Additionally, Mesa Evaluations supports in processing the following requests:

- Academic Renewal with Course Repetition
- Academic Renewal without Course Repetition
- Application for Graduation
- Certificate of Performance
- Credit for Prior Learning
- Modification of Graduation Requirements
- Petition for Exception to Course Repetition Policy
- Petition for Approval of Major-Area Electives
- Request for General Education Certifications
- Request to Reissue Diploma

We have transitioned to a new online submission process. Forms can be submitted electronically by accessing the [Forms & Documents](#).

Financial Aid

Location: I4-107, Telephone: 619-388-2817, [Financial Aid Office](#)

The Financial Aid Office is committed to assisting students who might otherwise be unable to continue their education because of a financial disadvantage.

Financial Aid funds are administered in accordance with a nationally established policy of financial assistance for education. The basis of this policy is the belief that students and their parents have the primary responsibility for meeting educational costs. The amount of the contribution expected from students and their family is determined by careful analysis of family financial strength taking into consideration net income, household size, allowable expenses, and assets. The U.S. Department of Education, in cooperation with Congress and educational agencies, has established procedures which are used in making an evaluation of the amount families can be expected to contribute.

Student Learning Outcomes

The Financial Aid faculty and staff have identified the following Student Learning Outcomes for the various services provided by the Financial Aid Office:

- Students will learn to analyze, describe and explain issues related to their lack of academic progress.
- Student will successfully complete their Financial Aid file.
- Students will demonstrate basic knowledge of financial aid principles, rules, and regulations by completing a brief survey during the Financial Aid Information Fair.

Application

On a yearly basis, all financial aid applicants must complete the Free Application for Federal Student Aid (FAFSA), or a California Dream Act application for all financial aid, including the California College Promise Grant – CCPG. To complete your FAFSA, go to the [website](#). To complete a California Dream Act application, access [online](#).

A current Admission's Application to the College must be on file before we can process your FAFSA application. Complete the application using your personal information as it appears on your Social Security card or our office will not be able to process your financial aid application.

Academic transcripts from prior colleges attended are not required to be submitted before processing a financial aid application.

Academic transcripts must be submitted directly to the District Records Office.

All inquiries such as disbursement of funds, document submission, appeals, etc., MUST be made on or before the deadline date. After the close of the academic year, we will no longer be able to process any financial aid application or disbursements.

Eligibility

In order to be eligible to apply for financial aid, a student must be a citizen or permanent resident of the United States or be in the country for other than a temporary purpose with the intention of becoming a permanent resident.

Eligible non-citizens may be required to provide proof of permanent residency for Federal Aid. F-1, M5, R1, or R2 Visa students are not eligible for financial aid at San Diego Mesa College. For further information regarding other eligible immigration statuses, contact the Financial Aid Office.

Students must have a high school diploma, GED or equivalent in order to apply and qualify for Financial Aid. Contact the Financial Aid office for additional information.

Awards

Awards take the form of a "package" of financial aid, usually consisting of grant money and workstudy, depending on the financial need of the applicant and the availability of funds. Awards may be adjusted at any time upon notice of receipt of resources not previously reported. Revisions to awards are always possible because personal financial circumstances can be very unpredictable. If funding is available, aid for valid educational expenses not already covered in the student's budget may be offered.

Financial aid funds are usually ready for disbursement approximately four or five weeks after the start of classes. Pell Grant and Cal Grant disbursements are based on enrollment levels at the time of payment and will not be adjusted. However, SEOG and loan payments will be adjusted according to enrollment status. If you withdraw from classes after aid has been disbursed to you, you may be required to repay all or part of this aid (see "Return of Title IV Funds").

An automated system is available in the college bookstores to allow California Resident students, who are enrolled in at least six units, to use a portion of their estimated Pell Grant to purchase books and supplies one week prior, and two weeks after the start of the semester. Funds will be set aside from each eligible student's Pell Grant or Cal Grant C, and placed in a special account in the bookstore. This account may be used for the purchase of books and supplies until the funds are exhausted or by the end of the bookstore window, whichever comes first. The account is valid at the City, Mesa, and Miramar College, and ECC bookstores, regardless of where students are taking classes.

The student will be responsible for paying back the Bookstore the Pell Grant used if the student does not attend classes or, if the student loses eligibility at any time after being offered the award.

Students who elect not to purchase books from the college bookstore, or have any funds remaining on account, will receive the funds in the mail or by direct deposit with the remainder of their Pell Grant award according to the Pell Grant payment schedule for the semester.

Students must be making satisfactory academic progress as determined by the Standards of Satisfactory Academic Progress for Financial Aid Recipients. Copies are available in the Financial Aid Office, and on our [website](#).

Scholarships

Students are encouraged to apply for scholarships, which are available for students who meet the qualifications. These awards are donated by individual contributors, clubs and organizations both on campus and in the community. Amounts are determined by the donors and vary. Qualifying criteria may include financial need, a designated grade point average or other requirements to be eligible for consideration. Scholarship applications may be obtained from the Mesa College Office of Student Affairs, I-400 Room 408 and the [website](#).

Return of Title IV Funds

Federal law requires that if a student receives a Federal grant and then drops/withdraws from all of his/her classes, he/she may owe money back to the Federal Government.

Note that the earlier a student drops/withdraws, the more money he/she may have to pay back.

- If a student receives LOAN money and withdraws, he/she must pay back the money according to the normal rules of the loan program.
- If a student receives WORK STUDY money and withdraws, he/she does not owe anything back and may keep the salary earned; but must stop working immediately.

For more information about the timeframe to repay, the consequences of not paying and a sample Return of Funds calculation, go to the [website](#).

Financial Aid Programs Available

Following is a basic description of the programs available. Contact the Financial Aid Office for detailed descriptions and eligibility requirements, or visit our website.

Enrollment Fee Assistance: California College Promise Grant – CCPG

State law requires that students attending the college pay an enrollment fee. Students enrolled in credit classes are currently required to pay \$46.00 per unit.

The college offers the California College Promise Grant (CCPG), a state-funded program which will waive the enrollment fee for all eligible applicants.

Important Note: Students who are eligible for a California College Promise Grant (CCPG) will be required to pay the health fee.

The health fee will no longer be waived for students who are eligible for a CCPG other than students who are eligible for a CCPGA (TANF/CalWorks, SSI/SSP, or General Assistance).

Students may apply for the CCPG one of two ways:

- Submit a [FAFSA](#) or a [California Dream Act Application](#), or
- Apply for the CCPG online; please visit the [financial aid website](#) for more information. Apply via [the CCPG website](#).

If you are a California resident or have been designated an AB-540 student, you may qualify for a CCPG if any one of the following statements applies to your current status:

- You have already qualified for financial aid, such as a Federal Pell Grant or a Cal Grant, which demonstrates that you have need as determined by Federal Methodology or California DREAM Act application. You must have at least \$1,104 of "unmet" need to qualify.
- You, or your parents in the case of a dependent student, are receiving TANF (Temporary Aid for Needy Families), SSI (Supplemental Security Income), or General Assistance/General Relief as main source of income at the time of enrollment.
- You have a letter from the Department of Veterans Affairs certifying that you meet the eligibility requirements of "certain disabled veterans, dependents of certain deceased or disabled veterans."

- You are a dependent of a deceased or disabled veteran of the California National Guard. You must submit a letter of certification from the California National Guard Adjutant General's Office.
- You are a recipient of the Congressional Medal of Honor or a child of a recipient. You must submit documentation from the Department of Veterans Affairs.
- You are a dependent of a victim of the September 11, 2001, terrorist attack. Must submit documentation from the CA Victim Compensation and Government Claims Board.
- You are dependent of a deceased law enforcement/fire suppression personnel killed in the line of duty. You must submit documentation from the public agency employer of record.
- You have been exonerated of a crime by writ of habeas corpus or pardon. You must submit documentation from the Department of Corrections and Rehabilitation.
- You meet the following income standards:

Number In Household (including yourself)	Total Family Income for 2023 (adjusted gross income and/or untaxed income)
1	\$22,590.00 or less
2	\$30,660.00 or less
3	\$38,370.00 or less
4	\$46,800.00 or less
5	\$54,870.00 or less
6	\$62,940.00 or less
7	\$71,010.00 or less
8	\$79,080.00 or less
Each Additional Family Member \$8,070	

To determine your eligibility for the California College Promise Grant – CCPG based on the above income standards, you will be considered independent if:

- You do not live with your parents or your parent's registered domestic partner.
- You were not claimed as an exemption on any federal income tax filed by your parents or your parent's registered domestic partner in 2023.

State regulations for California College Promise Grant (CCPG) eligibility requirements include income, residency, and maintain academic and progress standards.

These income standards are for the 2025–2026 academic year and are used to determine California Promise Grant Part B eligibility.

Appeal Process for Loss of CCPG

Students will maintain their CCPG eligibility as long as they are in good academic standing. Students who believe their recent academic performance is based on circumstances outside their control, or believe they have made substantial academic improvement, may appeal the loss of CCPG eligibility by submitting a Loss of CCPG /Enrollment Priority Petition to the Dean of Student Development five (5) business days prior to the Application and Registration Deadline posted on the Academic Calendar. Petitions will be reviewed in the order they are received by the Dean of Student Matriculation.

Federal Pell Grant

The Federal Pell Grant is the largest federal grant program and is the foundation of a student's total "aid package." Eligibility is determined by the federal government using a standard formula for all applicants.

Effective July 1st, 2012, all financial aid applicants are subject to 6 years maximum of Pell Grant lifetime eligibility or 600%.

Enrollment status will be frozen at the time of disbursement after the add/drop period and will be the basis for Pell award. Once the Pell Grant award has been processed it will not be adjusted for additional units added during the semester. If you have a bachelor's degree, you are not eligible for a Pell Grant.

Federal Supplemental Educational Opportunity Grant (FSEOG)

FSEOG is a federal grant program designed to assist students who have the greatest demonstrated financial need. Awarding of FSEOG funds is determined by the Financial Aid Office based on available resources. If you have a bachelor's degree, you are not eligible for FSEOG.

Cal Grants

The Cal Grant program is administered by the California Student Aid Commission to help low-income students attend college. Students at the college may receive Cal Grant A (SWD), B, or C.

- To be eligible for Cal Grant B a student must be a California resident, or an eligible AB540 designated student and pursuing an undergraduate academic program of not less than one academic year.
- Cal Grant C is designed for students enrolled in a vocational program who are California residents or eligible AB-540 designated students from a low- or middle-income family.
- Additional Cal Grant Access Funds for Students With Dependents (SWD), Independent Students with dependent children under 18 years of age by July 1st of the award year (start of the financial aid award year), and for whom the student will provide more than half of their support between July 1st and June 30th of the award year may be eligible for the following: Cal Grant Access awards up to \$6,000 for qualifying Cal Grant A and B recipients and up to \$4,000 for eligible Cal Grant C recipients. Actual award will be based on remaining unmet need.
- See the Financial Aid Bulletin for important dates and deadlines.
- Cal Grant Program is not available for students accepted into the Comprehensive Transitional Program (CTP).
- If you have a bachelor's degree, you are not eligible for a Cal Grant.

Chafee Grant Program

The Chafee Grant is a federal program that is administered by the California Student Aid Commission to provide financial assistance to prior Foster Youth. The applicant must be certified by the State Department of Social Services of their Foster Youth status prior to reaching age 16. The grant has no citizenship requirement; however, non-citizens without a valid Social Security Number must call the CSAC for additional steps and information. The program awards a maximum of \$5,000 per academic year. Renewal applicants must maintain satisfactory academic progress as defined by the school.

Student Success Completion Grant

Prerequisite: Be a full time Cal Grant recipient – The SSCG is a California Community Colleges financial aid program designated for Cal Grant B and Cal Grant C recipients who are carrying an academic load of at least full time (12 units or more) by the semester financial aid enrollment freeze/census date. The purpose of the SSCG grant is to provide eligible students with additional financial aid to help offset the total cost of community college attendance, to encourage full-time attendance, and assist in the successful on-time completion of the student's degree objective. Due to limited funding, the awards are made on a first-come-first-served basis. In order to be eligible for this grant, the student must be registered in ALL planned units for the semester by the published census/freeze date. The grant pays up to \$4000 annually based on the number of units: if the student's enrollment is between 12 – 14.99 units, the award is \$1,298 for the semester; if the student's enrollment is 15 units or more, the award \$4,000 for the semester. Eligibility is determined every semester after the financial aid census/freeze date and based on available funds.

Federal Work Study

Federal Work Study (FWS) allows students the opportunity to earn part of their financial aid by working in assigned jobs, both on and off campus. The salary received is at least equal to the current minimum wage, but many Federal Work Study jobs pay more than minimum wage. Federal Work Study differs from the other financial aid programs in that a student is allocated a certain amount of money to earn. As work on the job is completed, a time card is submitted for the hours worked just as at a regular job. Once a month the student receives a paycheck for the hours worked. Once the amount allocated in the financial aid package is earned, the job ends.

Student Loans

Applicants for student loans will be subject to college policy requirements regarding enrollment status, length of attendance, the number of units completed, and the total amount of previous loans. Student Loans are not available for students accepted into the comprehensive Transitional Program C2C.

Student Loans are not auto-awarded at City and Miramar colleges, and the students must apply for the loan at the Financial Aid office. However, At Mesa College, students who meet specific requirements and program eligibility rules will see a Direct Subsidized loan auto-awarded that the students have the choice to accept or decline.

Contact the Financial Aid Office for other requirements.

William D. Ford Federal Direct Loan Program

The Federal Direct Loan is a federal loan program where you borrow directly from the Federal Government. The interest rate for new loans is a fixed rate which is currently 6.53% for loans disbursed from July 1, 2024 to June 30, 2025. You are required to pay the Department of Education loan processing fees that are currently 1.057%. The fees are deducted from the proceeds of your loan. The origination fee may change for any loan disbursed after October 1, 2025.

New Federal regulations require schools to disburse loans only after the signed Promissory Note has been accepted.

For first-time student borrowers, the funds will not disburse until at least 30 days after the start of the student's active enrollment in 6 (six) units

1. Direct Subsidized loan

To qualify, a student must be enrolled in at least six units, demonstrate Satisfactory Academic Progress for Aid recipients and must demonstrate financial need through the federal methodology using the FAFSA Application. Students must complete a mandatory loan entrance counseling session. Students must contact the Financial Aid Office or visit the College website for application procedures. You may complete the entrance counseling session [Federal Student Aid](#).

You must complete an [online](#) multi-year Master Promissory Note.

On August 13, 2021, the Secretary removes and amends regulations to conform with changes made by the Consolidated Appropriations Act, 2021. Specifically, the Secretary removes the subsidized usage loan limit restriction (SULA) for any borrower who receives a Federal Direct Stafford Subsidized Loan first disbursed on or after July 1, 2021, regardless of the award year associated with the loan.

The Financial Aid Office will be notified when the session has successfully been completed. In addition, you must fill out a Loan Request Form from your Financial Aid Office. You must complete an [online](#) multi-year Master Promissory Note.

You may also be required to submit an Educational Plan and be enrolled at the campus of your declared major. Please ask your Financial Aid Office for more information. The actual loan amount for which you are eligible will be determined by the Financial Aid Office. Checks will be disbursed twice per loan period. If you are a first-time student or borrower, your check will not be disbursed until at least 30 days after the start of the semester. If you have "Late Start" classes, you must be actively attending classes in at least six units, before your loan can be disbursed.

For additional information, please refer to the Financial Aid Bulletin or call the Financial Aid Office at 619-388-3501.

2. Direct Unsubsidized loan

An unsubsidized student loan is a type of loan in which interest begins accruing on the disbursement date. The accrued interest is capitalized and added to the loan balance until the repayment process begins, which is also charged during in-school, deferment, and grace periods. A student must be actively enrolled in at least six units, have a valid FAFSA on File, and demonstrate Satisfactory Academic Progress for Aid recipients. The students do not need to demonstrate financial need through the FAFSA's federal methodology, and the loan award cannot exceed the Federal Annual borrowing limit. The actual eligible amount of the loan will be determined by the Financial Aid Office once the application has been reviewed. Students must complete and submit the paper loan request form to the Financial Aid office, along with all the required documentation described in the loan steps disclosed in the loan request form. In addition, a copy of the Educational Academic plan may be required.

PLUS Loan

Parents of dependent undergraduate students may borrow from the PLUS loan program. The amount borrowed may be up to the cost of attendance minus any financial aid. Parents must begin repayment within 60 days of receiving the full disbursement of the loan. The interest rate is a fixed rate. Student and borrower must meet all other financial aid eligibility requirements, including completing the FAFSA.

National Student Clearinghouse

All current SDCCD student's enrollment levels are automatically sent to the National Student Clearinghouse. Submission and disclosure of enrollment levels is a federal requirement for students with current and past student loans according to regulations. Enrollment information for students with no prior or current student loan history is protected from disclosure by the contractual agreement between the National Student Clearinghouse and the San Diego Community College District. For more information, please contact your campus Financial Aid Office.

Hispanic Serving Institution (HSI)

San Diego Mesa College is proud to be formally designated a Hispanic Serving Institution by the United States Department of Education. The purpose of this designation is to provide Mesa College the opportunity to improve the academic attainment of Latino/a, Chicano/a, Hispanic, or similar identities, and low-income students. Being an HSI means we are a reflection of our students, their cultures, values, and life experiences. It guides the direction of the college and how we go about the work that we do. Every student deserves to feel connected and safe on campus and to have access to the programs and services to successfully reach their goals. As an Hispanic Serving Institution, Mesa is committed to be the Leading College of Equity and Excellence.

• PROYECTO EXITO GRANT

In Fall 2014, Mesa College was awarded a "Developing Hispanic-Serving Institutions–Title V" five-year grant in the amount of \$2.62 million. The purpose of the grant is to improve the retention and graduation rates of Mesa's diverse population, particularly its Latin students, through systemic, institutional changes and improvements. Mesa's HSI / Title V program is entitled Proyecto Éxito, a name that combines the idea of successfully exiting with a degree, certificate, or transfer-readiness with the Spanish word for "success." Mesa will use grant funds to help a higher proportion of its low-income and Latin students experience academic success, allowing them to "exit" Mesa with their goals met. For more information, contact the Title V HSI Program Manager, Toni Trejo Parsons, Ed.D at mparsons@sdccd.edu.

• CONEXIONES (STEM) GRANT

In Fall 2016, Mesa College was awarded a 5-year, \$5 million Title III HSI STEM Grant. The initiative, entitled "STEM Conexiones" (STEM Connections) supports a number of instructional and student support practices aimed at strengthening the college's capacity to support Hispanic and low-income students. Specifically the grant aims to increase student connections in STEM through enhanced counseling services, workshops, peer mentoring and outreach; faculty connections through professional learning and STEM curriculum redesign; and pathway connections working directly with high schools and adult learners to prepare them for STEM

majors. Through this grant the college will establish a STEM Center and a STEM Research Innovation Lab for students to begin undergraduate research projects. For more information, contact the Title III HSI STEM Acting Program Manager, Toni Trejo Parsons, Ed.D. at mparsons@sdccd.edu.

- **STEM Center:**

The STEM Center aims to provide Mesa students with a centralized community hub for their math and science education. Beyond providing students with an open collaborative study space, we support students in the STEM Center with a team of Instructional Assistants, Educational Technicians, STEM Tutors, STEM Peer Mentors, and a dedicated STEM Counselor. We also provide students with software, kits, models, books, and materials that they would normally not have access to outside of the classroom - including materials for their Math, Chemistry, Biology, Physical Science, and Computer Science courses. Additionally, we host a technology loan program that provides students access to laptops and calculators. Students can also find a place to join a science club or attend a number of STEM events and workshops held throughout the year. We believe that by promoting access to collaborative instructional support and community building, we will enable students from all backgrounds to succeed their STEM courses.

- **The Innovation Research Lab:**

The Innovation lab aims to empower our diverse student population to obtain their academic goals by providing educational access, support, inclusion, and lifelong learning opportunities at San Diego Mesa College. As a community college research center, we promote student success by linking faculty with student mentees to develop exciting research ideas, encourage scholarship, and nurture scientific identity. The IRL also provides space for our Engineering Workshops as well as meeting space for Science Clubs across campus. Our team believes that research experience is extremely fundamental for academic achievement and we welcome all students regardless of age, gender, or social and cultural background.

- **The STEM Peer Mentoring:**

The San Diego Mesa College STEM Peer Mentoring program is aimed to help students develop and support STEM related studying and time management skills, while promoting collaborative peer mentoring related to STEM discipline and career. The STEM Peer Mentoring program aims to build a community of STEM majors and faculty that can support each other in their academic and professional goals. The intended outcome of this program is that students are more successful in their STEM classes and successfully move forward along their STEM pathway with increased confidence and motivation. Our program plays an important role in student success and equity at San Diego Mesa College.

- **Excellence, Equity & Exito Grant**

E3: Excellence, Equity, & Exito Grant - In Fall 2021, Mesa College was awarded its second Title III STEM Grant to continue and expand the great work of the Conexiones grant that was interrupted by the pandemic. This grant continues and expands the peer mentoring program, STEM Center support, embedded counseling services, and the use of the Innovation Research Lab. E3 adds a curriculum and articulation piece as well as studio classroom redesigns and STEM specific orientation and wraparound services to support Hispanic student success throughout the STEM pipeline. For more information, contact the Title III HSI STEM Program Manager, Toni Trejo Parsons, Ed.D. at mparsons@sdccd.edu.

Learning Resource Center

Location: The Library, and the Mesa Tutoring and Computing Centers are located in the Learning Resource Center (LRC) building. The Library is housed on floors one and three of the four-story structure:

Floor One: Help Desk, Course Reserves, Reference Desk, Scanning/printing, Computer Lab, Tutoring, STEM Center, Library classroom;
Floor Two: Writing Center, Language Center, Classrooms, Group Study rooms;
Floor Three: Study space, Books, Periodicals;
Floor Four: Study space/Lounge, Group Study Rooms, MT2C computing/printing, World Art Collection, LRAS Offices, and the LOFT

Library Services

Location: Learning Resource Center (LRC), Telephone: 619-388-2696, [San Diego Mesa College Library website](#)

Student Learning Outcomes

The Library Faculty have identified the following Student Learning Outcomes (SLOs) for the various services available in the Library:

- Students will be able to complete the procedures necessary to borrow materials (Library Circulation).
- Students will be able to locate materials they are seeking using appropriate Library resources (Library Public Service, including Reference Services and Library Instruction; and Library Collections.)

Special Features:

- Reference assistance provided by campus librarians is available on the First floor.
- 24/7 Live Chat Reference Service accessible from the library website.
- Scanners/Copiers/Printers are located in the building.

Important Library Resources:

The library offers an extensive collection of scholarly books, e-books, streaming videos, periodicals, and a robust selection of databases available on site and online to currently enrolled students. San Diego Mesa College students find help with their research and information needs at the library's reference desk (First floor) by phone, or 24/7 online chat. Instructor requested class research session, access to reserves, circulation services, and inter-library loan services between district colleges are also available.

Outreach

Location: I4-101, Telephone: 619-388-2230, [Outreach webpage](#)

Outreach works with students in our feeder high schools, Continuing Education campuses, and the larger community to provide assistance with the admissions application, information on programs and services available at Mesa College, and general support to students as they make their transition to college. We participate in community events, career fairs, and college nights to help educate our community about educational opportunities through Mesa College. Campus tours are also facilitated through our office. If you have questions about the college, your steps to becoming a Mesa student, or would like to schedule a campus tour, please contact us.

Student Learning Outcomes

The Outreach faculty and staff have identified the following Student Learning Outcomes for the various services provided by the Outreach Program.

- Identify the resources available at Mesa and articulate how those resources help students succeed in college.
- Demonstrate increased inclination to attend Mesa/college after high school.

- Students we serve will successfully complete the pre-enrollment steps to become students at Mesa.

San Diego Promise Program

Location: I4-101 (Student Services Building, First Floor), Telephone: 619-388-2230, [The Promise Program](#)

The San Diego Promise is a two-year completion program for recent high school graduates enrolled full-time (12 units per semester). The program provides up to two years of FREE tuition to eligible students. Participation in the San Diego Promise Program comes with a variety of benefits: an assigned peer mentor/success coach, specialized counseling and guidance support, and additional campus engagement opportunities. For detailed information on all services offered and application procedures, please contact the San Diego Promise Program located in I4-101 or visit our [website](#).

Eligibility

To be eligible for the San Diego Promise Program, students must meet all of the following criteria:

- Must be a first-time to college student*
- Must be a class of 2025 high school graduate** (H.S. Diploma or GED) OR identify with one of the following groups:
 - Foster Youth Student
 - Veteran of U.S. Armed Forces
 - Formerly Incarcerated Student
 - Undocumented Student
- Must be a California resident or AB 540 eligible
- Must Complete a 2025-2026 financial aid application (FAFSA or CA Dream Act)
- Must be prepared to enroll in a minimum of 12 units each semester (does not apply to students with disability (DSPS) accommodation on file)

*Student who completed college courses while in high school are eligible

** First time to college, class of 2025 high school graduates (H.S. Diploma or GED) maybe eligible

To find out if you may qualify to participate in the San Diego Promise, please contact us via email at sdpromisemesa@sdccd.edu or call us at 619-388-2230.

STAR TRIO

Location: I4-308, Telephone: 619-388-2481, [STAR TRIO webpage](#)

STAR is a federally funded TRIO Student Support Services program that provides opportunities for academic development, assists students with basic college requirements, and serves to motivate students towards the successful completion of their postsecondary education. The goal of STAR is to increase the college retention and graduation rates of its participants and to facilitate the process of transition to the four-year university. Services include tutoring, academic advisement and counseling, economic and financial literacy, and transfer assistance. All services are free to eligible students. For an application or additional information, visit the website or come into the office.

Student Learning Outcomes

The STAR TRIO faculty and staff have identified the following Student Learning Outcomes for the various services available in STAR TRIO.

After using STAR TRIO services, students will be able to:

- Students will indicate increased confidence to be successful.

- Hourly staff and tutors will indicate confidence in their ability to assess student needs and direct them to the appropriate resources.
- Students will be able to list three requirements for transfer.

Student Health Services

Location: I400-209, Telephone: 619-388-2774, [Student Health Services](#)

Student Health Services supports the success of students by attending to their physical and psychological well-being. Visits with the Physician, Nurse Practitioner and Mental Health Clinicians are free.

Student Learning Outcomes

Student Health Services faculty and staff have identified the following Student Learning Outcomes for the various services available in Student Health.

After using Student Health Services, students will be able to:

- Articulate their knowledge about their physical and psychological health and wellness.
- Verbalize information about culturally diverse practices and beliefs and empathic understanding of stereotypes and discrimination in our society from an experiential viewpoint.

Student Health provides general medical and nursing care to students currently enrolled and attending classes. Our office services are similar to a typical urgent care office. Visits with a provider are free.

Nurse Practitioners are on duty daily. A Medical Doctor and Mental Health Clinicians are available by appointment. Mental Health Clinicians are licensed Marriage Family Therapists or Licensed Clinical Social Workers. Intern Mental Health providers (AFT, ACSW) provide care under the supervision of the mental health coordinator. Therapists provide free individual, family and group care. Some medical procedures, laboratory tests or medications may require a fee. Student Health Services promotes wellness through prevention/education events on campus including: drug and alcohol abuse, sexual assault, domestic violence, sexually transmitted infections, pregnancy, stress, depression, suicide, drunk driving, texting while driving, racism/discrimination. Events are free.

For the protection of college students and personnel, students may be asked to supply health records. In addition, the college may require health consultations and physical examinations when they appear necessary. Legal injection of prescribed medications must occur in the Health Center for safety purposes. All students are strongly encouraged to obtain immunizations against communicable diseases as recommended by the California and San Diego Public Health Departments.

Student Accident Insurance

The Student Accident Insurance Plan provides coverage for on-campus or college-related injuries. This insurance covers most reasonable charges. The student, however, is ultimately responsible for any medical expenses incurred. Evening students taking physical education or designated "hazardous" classes are also covered.

Student Accident Insurance is co-insurance. Students covered by a primary health organization or any other type of medical insurance should first seek treatment and payment from the provider or insurance company. All student claims are made through the Student Health Services office. The student, however, is ultimately responsible for any medical expenses incurred.

Student Success and Equity

Location: I4-401, Telephone: 619-388-5940, [Student Success & Equity](#)

San Diego Mesa College is committed to becoming the leading college of equity and excellence. We have aligned our Educational Master, Student Success, Title III, Title V, and Student Equity plans to ensure that our movement to

close achievement gaps in access and success for underrepresented student groups is intentional, institutional, transformational, and rooted in access to equitable outcomes for all of our students.

To foundationally support Mesa’s commitment to becoming the “leading college of equity and excellence” and to support the implementation of activities that will lead to that designation, we developed the Office of Student Success and Equity.

The mission of this office is to strategically align equity efforts with the mission and goals of the college, serve the college’s goal of institutionalizing equity approaches and standards in everything that we do, to lead the college in the development and implementation of practices to address disproportionate impact and to ensure the employment of equity funding across a varied spectrum throughout the institution. And to ensure the assessment of the impact of equity funding on closing equity gaps.

Success, Equity, and Transformation Committee

Purpose & Objectives

The Success, Equity, and Transformation Committee reports directly to President’s Cabinet. The primary purpose of the Committee is to support and lead innovative campus initiatives that strengthen student access, success, and equity. The Committee makes recommendations to the President regarding student success and equity initiatives, including those outlined in the Student Success and Support Program (SSSP) Plan, the Student Equity Plan, and the Developing Hispanic-Serving Institutions (DHSI) Program- Title V Plan.

The Success, Equity, and Transformation Committee will provide a platform for collaboration and communication across the College that will result in the integration of student success and equity efforts campus-wide.

The Success, Equity, and Transformation Committee may establish workgroups to carry out specific objectives, such as the writing, monitoring, and updating of the SSSP, Student Equity, and DHS/Title V Plans. These workgroups will report directly back to the Student Success & Equity Committee.

The objectives of the Success, Equity, and Transformation Committee are to:

- Develop a shared vision for the College’s student success and equity efforts
- Advise in the development and implementation of the Student Success and Support Program (SSSP) Plan, Student Equity Plan, and the Developing Hispanic-Serving Institutions Program- Title V Plan
- Use student success and equity data and research to inform College practices
- Provide a venue to dialogue and integrate student success and equity efforts campus-wide
- Support the College’s professional development efforts related to student access, success, and equity

Support Services

Campus Bookstore	
Location	MC-114
Telephone	619-388-2854
Website	
Cafeteria	
Location	MC-114
Telephone	619-388-2727

Child Development Center

Location	Building R
Telephone	619-388-2812

[Website](#)

College Police Business

Telephone	619-388-2749
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College Police Dispatch

Location	Q-100
Telephone	619-388-6405

[Website](#)

Parking Services

Location	District Service Center 1536 Frazee Rd., San Diego
Telephone	619-388-2672

[Website](#)

Campus Bookstore

San Diego Mesa College Bookstore stocks textbooks and supplies required for classes. The Bookstore sells study aids, snacks, school supplies, clothing, software, backpacks, gift items, greeting cards, emblematic items and general books. The bookstore also buys back textbooks for cash.

Extended hours are offered at the beginning of each semester. Textbooks can also be purchased [online](#). For additional information please contact the bookstore or visit our website listed above.

Hours of operation are extended during the first few weeks of each semester.

Mesa Bookstore Hours

Monday–Thursday	7:45 am–7:00 pm
Friday	7:45 am–12:00 pm
Saturday	9:00 am–1:00 pm

Summer hours vary. Contact the bookstore for additional information.

Cafeteria

The cafeteria serves both day and evening students.

Fall & Spring Hours

Monday–Thursday	7:00 am–8:45 pm
Friday	7:00 am–1:30 pm

Intersession and Summer hours may vary depending on term. See the summer class schedule for more information.

Child Development Center

The Child Development Center is a campus laboratory school that provides students with the opportunity to observe and study growth and development patterns in young children. The Center offers an educational program for children 2–5 years of age. The Center also participates in a collaboration with Neighborhood House Association (NHA) Head Start for children 3–5 years of age.

Due to limited space, priority is given based on eligibility as defined by the Child Development Division (CDD) and Head Start income guidelines, California State Department of Education.

The Center's CDD program operates during the Fall and Spring semesters. The Center's Head Start program operates during the Fall and Spring sessions.

Hours of Operation

Monday–Thursday	7:30 am–4:00 pm
Friday	7:30 am–12:00 pm

License #372005155

This institution is an equal opportunity provider.

College Police Department

The College Police Department is responsible for providing public safety, law enforcement and crime prevention services. Its mission is to maintain peace and order and a safe learning environment throughout our District. It is also responsible for administering the campus parking program, lost and found and the building security program.

The police business office is located in Q-100. Emergency services are provided 24 hours a day 7 days a week. Learn more about College Police at our [website](#).

Police Escort and Related Services

The college police are available to provide escort, vehicle battery jumps, and vehicle lockout services during regular hours of operation. Students who wish to use these services should call College Police Dispatch at 619-388-6405 or go any of the College Police Offices for assistance.

Emergency Calls

The college will not interrupt classroom instruction to deliver messages, except in an extreme emergency. All calls/inquiries should be referred to the College Police Dispatch at 619-388-6405.

Parking

1. Student parking permits are available for purchase during online registration or at the campus accounting office. Permits paid for before classes begin are generally mailed and those purchased after classes begin must be picked up. Parking permits are required the first day of each semester; fall, spring, and summer. There is no grace period.
2. Students may not utilize staff/faculty parking areas unless they are the owner of a valid, state issued disabled placard. Owners of a valid disabled placard are not required to buy a parking permit.

3. There are time limited visitor parking spaces at each campus reserved for visitors' use only. Students, except owners of a valid state issued disabled placards, may not utilize visitor parking. All campuses have pay and display machines for visitor and student use. Visitors and students can also download the MobileNow! mobile app to pay by credit card. Pay and display permits and MobileNow! payments are only valid in student parking spaces.
4. Motorcycles must display a valid motorcycle permit and be parked in designated motorcycle parking only.
5. Bicycles must be parked only in designated bicycle racks. Students are not allowed to ride bicycles, motorized bikes, scooters or skateboards on campus. Violators are subject to citation and/or disciplinary action.

Transportation for Students with Disabilities

Paratransit (curb-to-curb) service is available for a fee to persons with disabilities who cannot use public transportation. ADA certification is required. Please contact DSPS for additional information or forms for certification. Students may also contact MTS (Metropolitan Transit System) at 888-517-9627.

Vehicle Immobilization/Booting/Towing/Hold

Vehicles that accumulate five (5) or more unpaid parking citations are subject to immobilization (booting) of their vehicle and/or impound (towing) at owners expense. In addition a hold may be placed on the vehicle registration. If a vehicle accumulates \$100 or more in outstanding fines a hold may be placed on the student's registration and/or diploma.

Emergency Cell Phone Numbers

The College encourages students to provide cell phone numbers to communicate with them in the event of a college or district-wide emergency. Students can provide this important information by accessing the [student portal](#).

Transfer Center

Location: I4-306, Telephone: 619-388-2473, [Transfer Center](#)

The Transfer Center is the focal point of transfer activities on campus. The Transfer Center serves as a resource center for students to become experts of their transfer goals and to successfully transfer.

Student Services Outcomes

The Transfer Center faculty and staff have identified the following Student Learning Outcomes for the various services available in the Transfer Center:

- Students will be able to recognize and use transfer tools and resources for their transfer decision making processes.
- Students will be able to recognize transfer application deadlines as they relate to their transfer goals.
- Students will be able to identify transfer programs and general transfer pathways as they relate to their transfer goals.
- Students will be able to recognize the multiple steps of the transfer process to their first choice four-year Universities.

The following services are provided:

- Academic and admissions advising from university representatives
- Guarantee Admissions programs where available
- Group sessions on transfer requirements, application workshops, transfer updates, transitioning to universities and other
- A library of reference materials and catalogs
- University brochures and handouts

- Computer stations for college research, transfer information and applications
- Annual Transfer Day/College fair and spring transfer events and fairs.
- Campus visits
- Transfer counseling appointments and drop-ins

All students are encouraged to visit the transfer center I4-306 in person or visit the Transfer Center website to research colleges and majors, browse through catalogs, access online advising sheets and sign up for group sessions. For more information, use the Transfer Guide section of this catalog.

Tutorial Services

Location: LRC - First, Second Floors, Online, and Embedded; Telephone: 619-388-2898; Mesa Tutoring and Computing Centers (MT2C)

The Mesa Tutoring and Computing Centers provides assistance on an appointment and walk-in basis. Tutoring is free and available for all SDCCD students. Mesa College tutors are trained professionals who are eager to help students succeed in their classes. Our tutors empower students to become independent learners and contribute to their overall academic and professional success and personal growth. All of our tutors are trained to learn about the tutoring cycle: how to (1) greet, (2) have students self-diagnose why they need assistance, (3) tutor [not edit] students' assignments, (4) have students reflect, and (5) create next steps for student success. This process helps to support the MT2C philosophy of creating independent learners, increasing metacognition, enhancing study skills, and supporting student success.

Student Service Outcomes

The Mesa Tutoring and Computing Centers' faculty and staff have identified the following Student Learning Outcomes for the various services available in the Center.

Students accessing the services of the Mesa Tutoring and Computing Centers will be able to

- Improve their abilities in critical thinking, specifically analyzing problems, conceptualizing theses, and deriving conclusions. Students will enhance both inductive and deductive reasoning.
- Improve their communication in writing, speaking, and/or other modes of communication.
- Enhance their ability to take responsibility for their learning and become independent learners.
- Gain experience in collaborating with students from diverse cultural and ethnic backgrounds, both in small groups and one-on-one.
- Expand their experiences and knowledge in using technology as part of the learning process, including information competency skills.

Types of Tutoring

Face-to-Face

Located on the first, second, and fourth floors of the Learning Resources Center, Mesa Tutoring and Computing Centers (MT2C) offers a wide variety of support for students across the curriculum.

MT2C STEM Tutoring and Computing: LRC 1st Floor

The first floor of the Learning Resources Center provides:

- Computers for student usage/Pay-4 Print services
- Phone: (619) 388-2898
- High Tech Center Tutoring
- STEM Center Tutoring
- Embedded Tutoring

MT2C Writing & Languages Tutoring: LRC 2nd Floor

Our Writing Center offers 30-minute face-to-face appointment-based tutoring sessions. We assist ELAC students and all Basic Skills and transfer-level English classes as well as writing across the curriculum.

The Language Center currently offers tutoring assistance in multiple languages.

- Languages may include, but are not limited to: Chinese, German, Spanish, Japanese, French, Russian, and ASL.
 - Appointments, Drop-in, and [Online](#)
- Phone: (619) 388-5049

MT2C Tutoring and Computing: LRC 4th Floor

- Computers and printers for student usage
- Study rooms and models

Online Tutoring

MT2C offers online assistance in several subjects, including Mathematics, English, English Language Acquisition, Accounting, Astronomy, Chemistry, Computer and Information Sciences, Music, Personal Growth, Physics, foreign language, via Net Tutor and STAR-CA. Students can ask real-time questions as well as receive asynchronous assistance. For more information, please call (619) 388-5049 or go to the [website](#).

Embedded Tutoring

Embedded Tutoring is an academic assistance program that increases student performance and retention. Embedded Tutors are assigned to historically difficult courses and serve to reinforce material presented by faculty members by giving students learning strategies and opportunity for peer interaction. This is accomplished through Embedded tutoring sessions, which are one-hour tutoring sessions. Embedded Tutoring sessions are interactive and incorporate course content (what to learn) and study strategies (how to learn). Through such approaches, the Embedded Tutoring Program aims to increase the retention, success, and graduation rates of students. Please access the [website](#).

Additional Tutoring

Tutoring is also available in the STEM Center, High Tech Center, Honors Center, the Veteran's Resource Center, and EOPS. Please check the [website](#) for details.

Veterans and Service Members

Location: I4-102, Telephone: 619-388-2805

The San Diego Community Colleges have been approved to offer military service connected benefit programs leading to a Certificate of Achievement, Associate Degree or transfer to a four-year institution. The Veterans Affairs Office staff provides guidance and a mandatory orientation to veterans and assists them in the selection of educational programs which qualify for veterans benefits. The final responsibility for monitoring the process of qualification for educational benefits resides with the individual. Each veteran must read, understand, and comply with the many rules, regulations, and procedures that influence the benefit process. All paperwork must be submitted in person.

Students on active duty and veterans who have been discharged within the past 15 years may be eligible for up to 4 years priority registration. Check with the college Admissions Office for eligibility. An Active Duty Military ID card or DD214 are required for verification.

The District prohibits high-pressure recruitment tactics such as making multiple unsolicited contacts (3 or more), including contacts by phone, email, or in-person, and engaging in same-day recruitment and registration for the purpose of securing Service member enrollment. See [AP 5013](#)—Students in the Military. For additional information, please visit the [website](#).

Important Note: Failure to take the proper classes may result in an overpayment and the reduction or termination of benefits.

Student Service Outcomes

The Admissions, Records and Veterans faculty and staff have identified the following Student Learning Outcomes for the various services available in Admissions, Records and the Veterans Office:

- Ability to locate, apply, analyze problems, synthesize, conceptualize and evaluate information utilizing a variety of resources to make decisions. The outcome includes both inductive and deductive logical reasoning and methodological processes.
- Critical Thinking: Ability to locate, apply, analyze problems, synthesize, conceptualize and evaluate information utilizing a variety of resources to make decisions. The outcome includes both inductive and deductive logical reasoning and methodological processes.
- Ability to articulate thoughts, goals, processes and make decisions.
- The ability to identify one's own needs, determine resources and access appropriate services.
- Ability to understand one's role in society, take responsibility for one's own actions, make ethical decisions in complex situations, and participate actively in a diverse democracy.
- Ability to use various methods of technology.
- Demonstrate the ability to adhere to VA Guidelines.

Disabled Veterans

Veterans who qualify for educational benefits as disabled veterans may be entitled to special educational benefits. Veterans with disabilities are encouraged to pursue services offered through the campus Disabled Students Programs and Services. For more information see the Veterans Affairs Office on campus.

Veterans should visit the Veterans Administration Regional Office, 8810 Rio San Diego Dr., San Diego, CA 92108, to determine their eligibility for disabled status.

Telephone: 1-800-827-1000

Veteran Dependent Exemption

Children and spouses of U.S. Veterans with service connected disabilities may be eligible for waiver of college fees and/or for a small monthly payment. For more information see the Veterans Affairs Office or the Cal Vet [website](#).

Liability

The veteran assumes full liability for any overpayment of veterans benefits.

All persons receiving educational benefits must report to the Veterans Affairs Office after enrollment **every semester** to continue their benefits. **In addition, a Student Educational Plan (SEP) must be on file by the end of the first semester**; otherwise, certification of VA benefits will be delayed for the second semester. This plan must be developed and reviewed by a counselor.

Number of Units Required

For students enrolled in a degree program under CH: 30, 31, 35, 1606/1607, the following number of units are required each semester to qualify for educational and training allowance:

12 units or more	full allowance
9-11.5 units	three-fourths allowance
6-8.5 units	one half allowance
2-5.5 units	one-quarter allowance*

* Chapters 32 and 1606 only. All other chapters, tuition and fees only.

Short-term and summer session courses are computed proportionately for payment purposes.

Rate of Pursuit (Chapter 33)

The Chapter 33 housing allowance is paid if the rate of pursuit is more than 50%. The Department of Veterans Affairs calculates the rate of pursuit by dividing the benefit-eligible credit hours/units (or credit hour equivalent) enrolled by the number of credit hours/units considered to be full-time by the school. The resulting percentage is the student's rate of pursuit.

Please visit the [website](#) for additional information and updates.

Withdrawal/Change of Classes

Veterans are required to notify the campus Veterans Affairs Office when they stop attending class, withdraw from the college, or add or drop a class. Such changes should be reported immediately after completing the add/drop procedure. Failure to comply with this regulation will be grounds for decertification of VA benefits.

Veterans Academic Progress

A veteran student on Academic probation status will be dismissed when his/her semester grade point average (GPA) falls below 2.0 the subsequent semester. A veteran student on Lack of Progress probation status will be dismissed if he/she does not complete over 50% of attempted units in the subsequent semester. The College Veterans Affairs Office is required to notify the Department of Veterans Affairs (DVA) of this status. The DVA will terminate benefits unless it can be shown that the student is pursuing an appropriate objective and has a reasonable chance for success in the chosen program. Please contact the Veterans Affairs Office for more information.

Readmissions After Termination Status

Students who wish to be considered for readmissions after the VA termination will be required to meet with a VA counselor and develop a Student Success Plan prior to being readmitted.

Repeated Classes

Veterans may not receive benefits for a repeat of a course in which a grade of "A," "B," "C," "D," or "P" has already been earned. Although District policy allows a students to repeat a course in which a "D" grade has been received; the course may be certified for benefits only if this catalog states that a grade of "C" or better in that course is required to earn a degree or meet a prerequisite.

VA Orientations

All first time veterans and/or dependents receiving educational benefits must attend a mandatory VA orientation within 90 days of the first semester. If a VA orientation is not attended all benefits will be terminated effective the first day of the semester.

Work Experience

Veterans may be approved for Work Experience classes only if work experience is required in their major or if they have electives available according to their education plan.

Transcripts

All official transcripts of prior college work and military schools, including copies of form DD214, DD2685, Joint Services Transcript, or Smart Transcript covering all periods of military service, must be on file in the Records Office by the end of the first semester of attendance at this college. Certification for benefits for the second semester will be withheld if transcripts are not received. Visit the Veterans Affairs Office for necessary forms.

Veterans Success Center

K-103, K-104

The San Diego Mesa College Veterans Services Program promotes a culture of collaboration within the campus and surrounding community. The program aims to increase awareness and sensitivity to matters concerning veterans, active duty and their dependents. As part of this effort, the San Diego Mesa College's Veterans Success Center was established for student veterans as a place to study, relax, and provide resources, support and advocacy needed to achieve their educational and professional goals.

Student Affairs

Location: I4-408, Telephone: 619-388-2699, [Student Affairs Website](#)

The Student Affairs Office provides programs and services that promote the success of students, enrich the quality of campus life and support classroom instruction.

Student Services Outcomes

The Student Affairs staff have identified the following Student Learning Outcomes for the various services provided by Student Affairs:

- Through participation in Associated Students and Inter Club Council students will develop and fulfill self-identified goals for their personal development.
- Through participation in civility projects, students will be able to demonstrate an understanding of civility and the place it has on our campus.
- Clubs and organizations that participate in Club Rush will be able to determine the most effective methods for generating interest in student groups and implementing those methods.

Campus Life

Life on the Mesa College campus is rich and dynamic. Students and staff have a variety of educational, leadership, social, and cultural events and activities in which to engage according to their needs and interests.

Associated Students (A.S.)

Location: I4-408, Telephone: 619-388-2903

The Associated Students is the representative body of the students in the shared governance process at Mesa College. The Associated Students provides students with practical leadership experience in the area of budget/financial planning, parliamentary procedures, and in the development of programs and services which are designed to meet the students' needs. The student leaders and the staff of the Student Affairs Office encourage you to get involved and take part in the many leadership opportunities available at Mesa College.

Current district policy allows the elected Associated Student President to share the responsibility of the Student Trustee. The Student Trustee is a non-voting member of the Board of Trustees of the San Diego Community College District and represents the student voice on the Board.

Any student who participates in student government may not have any BP 5500 violations of suspension or greater, as stated on their official student record.

You may view a full copy of the policy by accessing the [district website](#).

Associated Students Membership

While purchase of this membership is voluntary, students are strongly encouraged to purchase it in order to gain access to valuable benefits. You can purchase your A.S. membership online.

Associated Students Membership

Location: I4-406, Telephone: 619-388-2903, [Associated Students Membership Website](#)

While purchase of this membership is voluntary, students are strongly encouraged to purchase it in order to gain access to valuable benefits. You can purchase your A.S. membership online.

With Your A.S. Membership Fee You Receive:

- Admission to Athletic Events
- A.S. Fax Machine
- Book Loans
- Discounts
- Emergency Loans
- Entertainment & Guest Speakers
- Free Gift (Academic Planner)
- Free Scantrons
- Free Transcript
- Scholarship Opportunities

Your A.S. Membership Card Supports:

- All Student Clubs & Organizations
 - Associated Students
 - Cultural Events
 - Leadership Opportunities (including conferences and workshops)
 - Mesa College Departments and Programs
 - Scholarships & Awards
-

Want to Get Involved?

The Associated Students meets every Monday and Wednesday, from 12:45 pm–1:45 pm. Meeting agendas are posted outside of I4-409. Please keep these times open and become part of Associated Students.

We need leaders, planners, recorders, and student representatives. We offer experience in student governance and opportunities for you to express your ideas.

For more information about getting involved and leadership opportunities at Mesa College, please come to the Student Affairs Office.

Community Events

Mesa College actively supports various community events. Students and staff are invited and encouraged to participate in these events as representatives of the college and as concerned community members.

Student Clubs and Organizations

Location: I4-408, Telephone: 619-388-2699

The many activities sponsored by student clubs and organizations provide a rich and exciting multicultural dimension to college life at Mesa. All clubs contribute to a lively and student-oriented environment on campus. Examples of student activities include:

- Asian-American/Pacific Islander History Month
- Black History Month Celebration
- Cinco de Mayo Celebration
- Club-Rush
- Community Service activities

- Cultural Events
- Holiday Fair
- Leadership Retreats/Workshops/Conferences
- Scholarship Workshops
- Spring Fling
- Student Appreciation Day
- Women's History Month

An alphabetical listing of the active and inactive clubs at Mesa is available in the Student Affairs Office. Students who do not find a club that interests them are encouraged to start a new club.

Honors Program

The Honors Program is designed for highly motivated students. The program encourages the cultivation of curiosity and makes possible the exploration of ideas and subjects beyond customary coursework. Honors Students have the opportunity to work closely with faculty through honors contracts and/or courses. Students engage in intellectual and academically challenging learning environments for a richer educational experience. Anyone can become an Honors Student! For more information about the Honors Program, please visit the [website](#).

Honors Program Coordinators: [Ingrid Jayne](#) and [Dante Jones](#)

Honor Societies

San Diego Mesa College has two active honor societies on campus.

Phi Theta Kappa

The Beta Beta Upsilon Chapter of Phi Theta Kappa is an international honor society. To be eligible, students must have completed 12 semester units and have a 3.5 GPA. PTK provides international recognition for academic excellence.

Advisors: Ingrid Jayne (ijayne@sdccd.edu) and Dante Jones (djones@sdccd.edu)

Psi Beta

Psi Beta is a National Honor Society in Psychology for Community and Junior Colleges. It is a national honor society for students enrolled in or majoring in Psychology. To be eligible for membership, students must have a cumulative GPA of 3.0, or range in the top 35% of enrollment, and completion of one Psychology course and 12 semester hours.

Advisor: Jaye Van Kirk (jvankirk@sdccd.edu), Helen Greenbergs (hegreenb@sdccd.edu) and Justin Estep (jestep@sdccd.edu)

Honors Club

The Honors Club is a Mesa College student organization that unites honors students to network and share volunteer opportunities, scholarship information, and transfer support.

Advisor: [Dante Jones](#)

Student Rights and Responsibilities

I4-408, Telephone: 619-388-2699

In accordance with Board of Trustees Policy, BP 5500, Student Rights, Responsibilities, Campus Safety and Administrative Due Process, Section 3, Student Code of Conduct, all students shall have the right to a safe campus learning environment free from interference or disruption. As such, all students are expected to follow the Student Code of Conduct at all times to ensure an orderly educational environment, conducive to teaching and learning. This expectation includes students taking online courses.

If you have any questions, please phone Student Affairs at 619-388-2699.

Mesa College Research Conference (MCRC)

Each May, San Diego Mesa College hosts a student research conference. For more information visit our [website](#).

San Diego Mesa College Art Gallery

Located next to the Student Services Building, the Art Gallery presents outstanding artwork by established and emerging artists.

Exhibitions change every month and feature a wide range of media reflecting our Art Program: painting, photography, sculpture, ceramics, digital art, installation and video. Our college offers San Diego's only hands-on program in Museum Studies and Gallery Management. Take our credit courses and learn from local arts professionals.

Students completing two semesters of coursework are placed in a supervised internship at a local museum or arts organizations. For more information access the [website](#) and check the college schedule and catalog.

The San Diego Mesa College Art Gallery is open to the public and admission is FREE. Hours of operation are Monday, Tuesday, Wednesday from 11 AM – 4 PM, Thursday 11 AM – 8 PM. Closed Weekends, Fridays and School Holidays. For exhibit information call us at (619) 388-2829, visit our [website](#), or view our Facebook page.

Administrative Services

Office of the Vice President of Administrative Services

The Office of the Vice President of Administrative Services' role is to provide leadership, coordination, and assistance for the overall administrative functions of the College. These College functions include: business services (budget, purchasing, finance), employment services and payroll, facilities planning, construction and operations, printing services and mail, shipping and receiving, student accounting, college technology services, public safety and parking, food services, and bookstore.

Administrative Unit Outcomes

- Demonstrate the use of efficient business processes and practices through the integration of technology and the implementation of the PeopleSoft Enterprise Resource Planning System.
- Demonstrate the development of long term planning for technology replacement, equipment service maintenance agreements, and program equipment replacement.
- Campus clients will receive high-quality administrative services in support of the college-wide mission.

Business Services

The Business Services office provides timely and accurate financial information and services to support and assist students, faculty, staff, the District, and external entities by utilizing sound accounting practices and adhering to proper internal controls which ensures accountability, fiscal compliance, and proper use of public funds. We strive to maintain and enforce professional and ethical standards, while adhering to SDCCD policies and procedures.

Administrative Unit Outcomes

- To pursue collaborative efforts with District Business Services for Improved procedures to support business operations to Mesa College.
- To improve its "open door" policy to college personnel for increased customer service.
- To continue to provide on-line business information access to college personnel for timely and effective processing of all related matters.

Business Office Support

The Division provides complete, accurate, and timely Employment, Payroll Services, and information for Mesa College to the District Office. Using well defined processes, the knowledgeable and customer-focused staff provide excellent customer service, collaborating with employees, departments and business offices.

Administrative Unit Outcomes

- To Increase communication of payroll information to campus personnel for Improved understanding of employment conditions.
- To pursue collaborative efforts with the District Human Resources Office for Improved procedures to support employment and payroll services to Mesa College.
- To support the Mesa administration, faculty, and staff to ensure that everyone is familiar with the employee portal in PeopleSoft.

College Events and Operations

Oversees the planning, organizing, and managing of programs and services of campus operations and events including: facilities operations, maintenance coordination and planning, facilities rental, event coordination, project management, campus office moves, stockroom functions, safety program, and space inventory activities.

Administrative Unit Outcomes

- Department will assist with commencement celebrations on campus.
- Department will support measures to prevent the spread of COVID-19 on campus.

College Technology Services

The College Technology Services Division oversees and manages Mesa College's technology infrastructure. This infrastructure includes, but is not limited to Computers, peripherals, audiovisual equipment, computer servers, networks and wireless internet access systems.

Administrative Unit Outcomes

- The Technology Services group will ensure students, faculty, and staff have access to reliable academic computing services and systems.
- The Technology Services group will provide technical support for Audio Visual and Computational systems for students, faculty, and staff.

Printing and Mail Services

Printing and Mail Services provide various printing and graphic services to faculty and staff; provide U.S. and interoffice mail delivery to campus.

Administrative Unit Outcomes

The Printing and Mail Services staff has identified the following Administrative Unit Outcomes for the various services provided by the Printing and Mail Services.

- San Diego Mesa College Reprographics Center/ Mail Services will provide high quality online digital services to faculty, staff, administrators and students.
- San Diego Mesa College Reprographics Center/ Mail Services will employ current industry practices in order to provide its services to the college.
- San Diego Mesa College Reprographics Center/ Mail Services will provide training, engage in effective communication and deliver exceptional customer service to faculty, staff and students.

Student Accounting Office

The mission of the Student Accounting Office is to provide efficient, professional support services and to ensure fiscal accountability to our customers within and beyond our campus community while adhering to District's policies and procedures and supporting the college's educational mission.

Administrative Unit Outcomes

- The Student Accounting Office will provide information for interested parties to improve understanding of mandated processing requirements.
- The Student Accounting Office will provide online information to improve campus community's understanding and use of the process.
- The Student Accounting Office will increase communication to assist students with understanding of the registration payment process.
- The Student Accounting Office will collaborate with District Student Services to improve student registration process through our integrated information system in support of the college-wide mission.

Academic Requirements

The Baccalaureate Degree

The Bachelor of Science (BS) degree is intended for students interested in a high-level career in technical education.

Minimum 120 Units Required

The following is required for all California community college BS degrees:

- A combination of lower division and upper division coursework totaling a minimum of 120 semester units applicable to a baccalaureate degree.
- Completion of a minimum of 36 semester units of general education that includes lower division general education and upper division general education as outlined below.
- A minimum of 40 semester units of upper-division courses, including a minimum of nine semester units of upper-division general education.

Note: Unit requirements vary by program. See the specific program requirements section of the catalog for details on unit distribution and major requirements.

Grade Point Average (GPA) and Minimum Grade Requirements

- All courses designated as upper division major requirements must be completed with a grade of "C" or better. A "P" (pass) grade meets this requirement.
- Completion of the requirement for the baccalaureate degree with a minimum grade point average of 2.0 in the degree-applicable courses.

Minimum Units in Residence

- Satisfactory completion of a minimum of 12 degree applicable semester units in residence within the San Diego Community College District.
- The 12-unit in residence requirement is effective regardless of catalog year.
- Courses completed via credit for prior learning, including credit by exam, do not qualify for the 12-unit in residence requirement.

General Education

Lower Division General Education

Select one of the following lower division general education options:

- SDCCD General Education and District Requirements plus six additional units selected from general education Area 1B-Area 6 (1 unit lab excluded).
See District Requirements and General Education Requirements (Option 1) of this catalog.
- California General Education Transfer Curriculum (Cal-GETC).
See General Education Requirements in the Transfer Guide of this catalog (Option 6).
- SDCCD General Education plus six additional units selected from Area 1B-Area 6 (1 unit lab excluded).
See District General Education Requirements (Option 4) of this catalog.
- General Education Completion through an Earned Baccalaureate Degree
 - Students who submit an official transcript showing they have earned a baccalaureate degree from an institutionally accredited institution will have satisfied the SDCCD lower division general education and district requirements upon evaluation of their transcript. (Option 5)
 - Students seeking the Associate in Arts for Transfer (AA-T) or Associate in Science for Transfer (AS-T) degree must complete the California General Education Transfer Curriculum (Cal-GETC) general education pattern.

Courses may fulfill multiple academic requirements, such as general education, major, and additional graduation requirements. However, one course may not be counted in more than one general education area, even if the course is approved in multiple general education areas.

Upper Division General Education

Students must successfully complete a minimum of nine semester units or 13.5 quarter units of upper division general education coursework. Upper division general education courses are integrated into each baccalaureate degree program. Courses must come from at least two disciplines outside the major field of study and at least one of these courses must emphasize written communication, oral communication, or computation skills.

Specific course requirements are detailed within each bachelor's degree program requirements.

Credit for Prior Learning

Students may receive credit for knowledge and skills acquired through the district's procedures for awarding credit for prior learning.

Limitation on Enrollment

Enrollment in upper division courses is restricted to students admitted to a baccalaureate degree program at a California community college.

The Associate Degree

On the recommendation of the faculty, the colleges of the San Diego Community College District award the Associate of Arts degree or the Associate of Science degree.

The Associate of Arts degree is awarded in the social sciences, humanities, the arts, and similar disciplines. The Associate of Science degree is awarded in engineering, physical and biological sciences, and occupational curricula.

All Degrees Have the Following Requirements in Common

Minimum Units in Residence

Satisfactory completion of a minimum of 12 degree applicable semester units in residence within the San Diego Community College District.

The 12-unit in residence requirement is effective for all degrees awarded regardless of catalog year.

Courses completed via credit for prior learning, including credit by exam, do not qualify for the 12-unit in residence requirement.

Major/Area of Emphasis Requirements

A minimum of 18 semester units (27 quarter units) of focused study in a major or interdisciplinary area of emphasis.

- A "major" is a focused program of study within a specific discipline, which may include some coursework outside the primary discipline. Programs designed to provide transfer preparation must be designed to meet specific lower-division requirements in comparable baccalaureate majors.
- An "area of emphasis" is an interdisciplinary program of study encompassing a broad range of courses from multiple related academic disciplines, providing the student with an academic pathway broader than a specific major but more focused than general education.

Six semester units must be completed at City, Mesa, or Miramar College. Refer to the Degree Curricula and Certificate Programs section of this catalog for specific requirements for each major.

Recency of Coursework Limitation

Academic departments may require that courses for the major be completed within a specified period of time prior to the granting of the Associate Degree, Certificate of Achievement, or Certificate of Performance. Students with questions about the applicability of previous coursework are advised to consult the Department as early as possible.

Associate in Arts for Transfer (AA-T) or Associate in Science for Transfer (AS-T) for California State University (CSU)

The Associate in Arts for Transfer (AA-T) or the Associate in Science for Transfer (AS-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Each AA-T or AS-T is accepted by some but not all CSU campuses. Students transferring to a CSU campus that does accept the AA-T or AS-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree in that major. Please see a counselor and visit the [California Community Colleges website](#) for more information.

Students intending to transfer to a CSU should consult a counselor and visit [ASSIST](#) for guidance on appropriate transfer coursework.

Degree Requirements

The following is required for all AA-T or AS-T degrees:

1. Completion of 60 semester units that are eligible for transfer to the California State University.
2. Completion of a minimum of 18 semester units in an "AA-T" or "AS-T" major.
3. Minimum grade point average (GPA) of at least 2.0 in all CSU-transferable coursework. While a minimum of 2.0 is required for admission, some CSU campuses and majors may require a higher GPA. Please see a counselor for more information.
4. Minimum grade of "C" or "P" or better for each course in the major. Students should review the Pass/No Pass acceptance policy of the transfer institution prior to requesting this grade option.
5. Certified completion of the California General Education Transfer Curriculum (Cal-GETC) pattern. See the California General Education Transfer Curriculum pattern for more information.

Associate of Arts and Associate of Science Degree Requirements

Minimum 60 Units Required

A minimum of 60 semester units (90 quarter units) of degree-applicable lower division credit courses, including courses that apply to the major or area of emphasis in career technical fields and courses in composition, reading, and mathematics or quantitative reasoning not more than one level below transfer. Below transfer level course requirements must align with Education Code section 78213.

1. Satisfactory completion of a minimum of 12 semester units in residence within the San Diego Community College District.
2. Completion of a minimum 21 semester units (or 28–31.5 quarter units) general education pattern pursuant to section 55061, or completion of the requirements for an approved intersegmental lower-division general education pattern used for transfer to the University of California or the California State University.

Grade Point Average (GPA) and Minimum Grade Requirements

1. Students must earn a grade of "C" or better in courses required for the major. A "P" (pass) grade meets this requirement.
2. A grade point average of at least 2.0 (a "C" average) is required in the curriculum upon which the degree is based.

Credit for Prior Learning

1. Students may receive credit for knowledge or skills acquired through a district's procedures for awarding credit for prior learning. See Credit for Prior Learning.
2. Students may petition to have completion of a noncredit course counted toward satisfaction of requirements for an associate degree. See High School and Noncredit Courses for College Credit (Credit by Examination).

Select One of the Following General Education Options:

- SDCCD General Education and District Requirements.
See [District Requirements \(Option 1\)](#) of this catalog.
- California General Education Transfer Curriculum (Cal-GETC)
See [General Education Requirements](#) in the Transfer Guide of this catalog (Option 6).
- SDCCD General Education Requirements.
See [General Education Requirements \(Option 4\)](#) of this catalog.

Students selecting this option should meet with a counselor to determine the appropriate General Education courses for their individual transfer goals. Option 4 is only available for the following Mesa College Degrees:

- Arts Studies
- Business Studies
- Health Information Technology
- Language Arts and Humanities Studies
- Mathematics and Pre-Engineering Studies
- Science Studies
- Social and Behavioral Science Studies

-
- General Education Completion through an Earned Baccalaureate Degree
 - Students who submit an official transcript showing they have earned a baccalaureate degree from an institutionally accredited institution will have satisfied the SDCCD associate degree general education and District requirements upon evaluation of their transcript. (Option 5)
 - Students seeking the Associate in Arts for Transfer (AA-T) or Associate in Science for Transfer (AS-T) degree must complete the California General Education Transfer Curriculum (Cal-GETC) general education pattern.

Additional General Education Options

Students who have established and maintained catalog rights prior to Fall 2025 may use the California State University General Education Breadth (CSU-GE) or the Intersegmental General Education Transfer Curriculum (IGETC) pattern beginning with the version that was current when they began at a California community college and as it applied to their designated catalog year.

CSU GE Breadth is accepted by all CSU campuses and some private/independent or out-of-state universities. It is not accepted by the UC system.

IGETC is accepted by all CSU campuses and most UC campuses and majors. It is also accepted by some private/independent or out-of-state universities.

Students who plan to transfer to a four-year institution should review the Transfer Requirements section of this catalog.

General Education Requirements Defined

The Associate Degree provides a framework within which students complete patterns of learning experiences designed to develop capabilities and insights to support their academic and career goals. Among these capabilities and insights are competencies that are germane to all aspects of higher education and comprise a "general education" curriculum, such as the ability to think critically and to communicate clearly and effectively both orally and in writing, to use quantitative reasoning, understand the modes of inquiry of the major disciplines, to be aware of other cultures and times, to achieve insights gained through experience in thinking about ethical problems, and to develop the capacity for self-understanding.

Furthermore, general education introduces students to the variety of means through which people comprehend the modern world. It reflects the conviction of colleges that those who receive their degrees must have mastered principles, concepts, and methodologies both unique to and shared by the various disciplines. A general education program should create coherence and integration among the separate requirements and involve students actively in examining values inherent in proposed solutions to major social problems. General Education Requirements Title 5 Section 55063:

(1) English Composition, Oral Communication, and Critical Thinking

(minimum of 6 semester/8 quarter units) including:

(1A) English Composition

(minimum of 3 semester/4 quarter units).

Courses fulfilling this requirement must be baccalaureate-level and include expository and argumentative writing.

(1B) Oral Communication and Critical Thinking

(minimum of 3 semester / 4 quarter units).

Courses fulfilling this requirement must be baccalaureate-level and may include oral communication and critical thinking courses.

Students who complete English Composition, Oral Communication, and Critical Thinking courses will be able to:

- demonstrate an understanding of the principles of clear and coherent communication
- use verbal and non-verbal languages in a clear and precise manner
- develop logical and rational thinking skills while analyzing and communicating processes
- evaluate different quantitative and qualitative symbol expressions and systems

(2) Mathematical Concepts and Quantitative Reasoning

(minimum of 3 semester / 4 quarter units).

Courses fulfilling this requirement must be at least college-level and may include mathematics or quantitative reasoning courses, including logic, statistics, computer languages, and relate disciplines.

Students who complete Mathematical Concepts and Quantitative Reasoning courses will be able to:

- evaluate different quantitative and qualitative symbol expressions and systems

(3) Arts and Humanities

(minimum of 3 semester / 4 quarter units).

Courses in the humanities study the cultural activities and artistic expressions of human beings.

Such courses develop students' awareness of how people throughout the ages and in different cultures respond to themselves and the world around them in artistic and cultural creation, and develop students' aesthetic understandings and abilities to make value judgments. Courses fulfilling this requirement may include introductory or integrative baccalaureate-level courses in the visual and performing arts, art history, foreign languages, literature, philosophy, religion, and related disciplines.

Students who complete arts and humanities general education courses will be able to:

- express understanding and appreciation of varieties of cultural and artistic expression
- articulate an understanding of the complex relationships between the arts and their cultural, historical, and economic contexts
- evaluate the various elements of artistic works

(4) Social and Behavioral Sciences

(minimum of 3 semester / 4 quarter units).

Courses in the social and behavioral sciences focus on people as members of society and develop awareness of the methods of inquiry used by the social and behavioral sciences. They stimulate critical thinking about how people act and have acted in response to their societies and promote appreciation of how societies and social subgroups operate. Courses fulfilling this requirement may include introductory or integrative baccalaureate-level courses in cultural anthropology, cultural geography, economics, history, political science, psychology, sociology, and related disciplines.

Students who complete social and behavioral sciences general education courses will be able to:

- express understanding of how people act and have acted in response to their societies and the natural environment
- articulate how societies and social subgroups operate in specific historical and contemporary contexts
- use methods of inquiry and measurement appropriate to the particular discipline being studied

(5) Natural Sciences

(minimum of 3 semester / 4 quarter units).

Courses in the natural sciences examine the physical universe, its life forms, and its natural phenomena, helping students appreciate and understand the scientific method and the relationships between science and other human activities. Courses fulfilling this requirement may include introductory or integrative baccalaureate-level courses in astronomy, biology, chemistry, general physical science, geology, meteorology, oceanography, physical geography, physical anthropology, physics, and other scientific disciplines.

Students who complete natural sciences general education courses will be able to:

- demonstrate an understanding and appreciation of the scientific method
- express an understanding of the relationships between science and other human activities
- examine the natural physical world and its life forms in a variety of courses
- utilize critical thinking skills in a variety of scientific applications

(6) Ethnic Studies

(minimum of 3 semester/4 quarter units).

Courses fulfilling this requirement may include baccalaureate-level courses in the four autonomous disciplines within Ethnic Studies: Black Studies, African American Studies, Africana Studies; Native American Studies; Chicano/a/x, Latino/a/x Studies/La Raza Studies; and Asian American Studies.

District Requirements (Option 1)

Students choosing Option 1 must complete the District Requirements as outlined below. Additionally, students choosing Option 1 must fulfill the General Education requirements detailed in the General Education Requirements section of this catalog.

1. American Institutions/California Government

Students are required to complete the United States History, Constitution and American Ideals before being awarded an associate degree. This requirement may be fulfilled by completing any combination of two classes that, when combined, fulfill areas: US-1, US-2, and US-3. A course may be used to fulfill more than one area.

A check mark [✓] indicates course has been approved to meet the requirement for the area.

Course	Area US-1: Development of American Institutions	Area US-2: US Constitution	Area US-3: California State & Local Governments
^ BLAS 140A African American History to Reconstruction (C,M,MMR)	✓	✓	
^ BLAS 140B African American History since Reconstruction to the Present (C,M,MMR)	✓		✓
^ CHIC 141A United States History from a Chicano Perspective (C,M,MMR)	✓	✓	
^ CHIC 141B United States History from a Chicano Perspective (C,M,MMR)	✓		✓
HIST 109 History of the United States I (C,M,MMR)	✓	✓	✓
HIST 110 History of the United States II (C,M,MMR)	✓		✓
^ HIST 115A History of the Americas I (C,M,MMR)	✓	✓	
^ HIST 115B History of the Americas II (C,M,MMR)	✓		✓
^ HIST 123 U.S. History from the Asian Pacific American Perspective (C,M,MMR)	✓		✓
HIST 141 Women in United States History I (M,MMR)	✓	✓	

Course	Area US-1: Development of American Institutions	Area US-2: US Constitution	Area US-3: California State & Local Governments
HIST 142 Women in United States History II (M,MMR)	✓		✓
^ HIST 150 Native Americans in United States History I (M)	✓	✓	
^ HIST 151 Native Americans in United States History II (M)	✓		✓
HIST 175 California History (M)			✓
^ POLI 121 American Political Development (C,M,MMR)	✓	✓	
POLS C1000 American Government and Politics (C,M,MMR)		✓	✓

NOTES:

- Courses designated with a caret (^) may also be used to fulfill the District Multicultural studies requirement.
- Completion of the Advanced Placement examination in U.S. History with a score of 3 or higher will satisfy the requirement for the CSU American Institutions Area US-1 only.
- Completion of the Advanced Placement examination in U.S. Government & Politics with a score of 3 or higher will satisfy the requirement for Area US-2.
- Students who have completed the American Institutions requirement except for the California government portion must complete one course approved in Area US-3.

2. Health Education

This requirement is met by completing Health Education 101: Health and Lifestyle, three units.

Note: This requirement is waived for students who earn degrees in Nursing Education, Physical Therapist Assistant, or are graduates of a certified paramedic training program. U.S. Veterans and active duty U.S. military personnel may be granted three units of college credit to fulfill the Health Education Requirement if service has been continuous for at least six months. Copies of form DD-214 or DD-295 or Joint Services Transcript (JST) or CCAF Transcript covering all periods of military service must be on file in the Records Office.

3. Exercise Science Activity

Students must complete two activity courses. Exercise Science courses numbered below PHYE 240 or below EXSC 229 are acceptable. Dance courses are also acceptable, except for DANC 181, 183 and 253. Administration of Justice 127A, 127B, 127C, 127D, 128A, 128B, 128C, 128D, 260, 323A, 381 and 382 are also acceptable. Fire Protection Technology 100D, 150A, 150B, 380W, 381F are also acceptable. Lifeguarding 101, 301, are also acceptable. Students with physical conditions which prevent participation in regular exercise science activity classes must file a physician's statement with the College Evaluations Office. Adapted Exercise Science classes are available. A Physician's medical release form is required.

Note: This requirement is waived for students who possess an accredited Fire Fighter I certification or are graduates of a POST Commission certified regional law enforcement academy. U.S. Veterans and active duty U.S. military personnel may be granted one unit of college credit (0.5 units EXSC 140A and 0.5 units EXSC

140B) to fulfill the Exercise Science Activity requirement if service has been continuous for at least six months. Copies of form DD-214 or DD-295 or Joint Services Transcript (JST) or CCAF Transcript covering all periods of military service must be on file in the Records Office.

4. Multicultural Studies

Students may satisfy the District multicultural studies graduation requirement by satisfactorily completing a course related to the culture of one or more of the ethnic groups which are represented in American society. The course shall include a focus on the role of men and women in the origin, development, and current status of these cultures.

Note: Each student seeking the Associate Degree must complete a three-unit multicultural studies course selected from the general education courses marked with a ^ indicating that it meets the Multicultural Requirement. The three units may be applied to the 18 units required in general education.

This requirement is met by completing one of the following courses (these courses are also on the District General Education list).

	Course Subject and Number	Course Title	College
^	AAPI 124	Introduction to Asian American and Pacific Islander Studies	(C, M, MMR)
^	AAPI 125	Asian American and Pacific Islander Identities and Cultures	(M)
^	AAPI 130	Asian American and Pacific Islander Women	(M)
^	ADJU 106	Diversity and Community Relations	(MMR)
^	AMSL 150	Introduction to Deaf Culture	(M)
^	ANTH 103	Introduction to Cultural Anthropology	(C, M, MMR)
^	ANTH 200	Introduction to North American Indians	(M)
^	ANTH 210	Introduction to the Indigenous People of California	(C, M)
^	ARTF 113	Arts of Africa, Oceania, and the Americas	(M, MMR)
^	ARTF 115	African Art	(C, M)
^	ARTF 120	Native American Art	(M)
^	BLAS 100	Introduction to Black Studies	(C, M, MMR)
^	BLAS 104	Black Psychology	(C, M, MMR)
^	BLAS 110	African American Art	(C, M)
^	BLAS 111	Cultural Influences on African Art	(M)
^	BLAS 115	Sociology from a Black Perspective	(C)
^	BLAS 116	Contemporary Social Problems from a Black Perspective	(C, M)

	Course Subject and Number	Course Title	College
^	BLAS 120	Black Music	(C, M)
^	BLAS 125	Dynamics of the Black Community	(M)
^	BLAS 130	The Black Family	(C, M)
^	BLAS 135	Introduction to Black Politics	(C)
^	BLAS 140A	African American History to Reconstruction	(C, M, MMR)
^	BLAS 140B	African American History since Reconstruction to the Present	(C, M, MMR)
^	BLAS 145A	Introduction to African History	(C, M)
^	BLAS 145B	Introduction to African History	(C)
^	BLAS 150	Black Women in Literature, Film and the Media	(C, M, MMR)
^	BLAS 155	African American Literature	(C, M, MMR)
^	CHIC 110A	Introduction to Chicana and Chicano Studies	(C, M, MMR)
^	CHIC 110B	Introduction to Chicano Studies	(C, M)
^	CHIC 135	Chicana/o Literature	(C, M, MMR)
^	CHIC 140	Chicana/o Sociology	(C, M)
^	CHIC 141A	United States History from a Chicano Perspective	(C, M, MMR)
^	CHIC 141B	United States History from a Chicano Perspective	(C, M, MMR)
^	CHIC 155	Introduction to Central American Studies	(M)
^	CHIC 190	Chicano Images in Film	(C, M)
^	CHIC 210	Chicano Culture	(C, M)
^	CHIC 250	Introduction to Chicana/o Dramatic Art	(C, M)
^	CHIL 141	The Child, Family and Community	(C, M, MMR)
^	COMS 180	Intercultural Communication	(C, M, MMR)
^	DRAM 109	Theatre and Social Issues	(C, M)
^	ENGL 202	Introduction to Linguistics	(C, M)
^	ENGL 230	Asian American Literature	(M, MMR)

	Course Subject and Number	Course Title	College
^	ENGL 234	Hip Hop Literature: A Poetry Class	(C, M, MMR)
^	FASH 122	Ethnic Costume	(M)
^	FILI 100	Filipino American Experience	(M, MMR)
^	FILI 101	Filipino American Psychology	(MMR)
^	GEND 101	Introduction to Gender Studies	(C, MMR)
^	GEOG 102	Cultural Geography	(C, M, MMR)
^	HIST 115A	History of the Americas I	(C, M, MMR)
^	HIST 115B	History of the Americas II	(C, M, MMR)
^	HIST 120	Introduction to Asian Civilizations	(C, M, MMR)
^	HIST 121	Asian Civilizations in Modern Times	(C, M, MMR)
^	HIST 123	U.S. History from the Asian Pacific American Perspective	(C, M, MMR)
^	HIST 130	The Modern Middle East	(M)
^	HIST 150	Native Americans in United States History I	(M)
^	HIST 151	Native Americans in United States History II	(M)
^	INTE 125	History of Furniture and Interiors	(M)
^	MUSI 109	World Music	(C, M, MMR)
^	MUSI 217A	Gospel Choir I	(MMR)
^	MUSI 217B	Gospel Choir II	(MMR)
^	MUSI 217C	Gospel Choir III	(MMR)
^	MUSI 217D	Gospel Choir IV	(MMR)
^	NUTR 153	Cultural Foods	(C, M)
^	PHIL 125	Philosophy of Women	(C, M)
^	POLI 103	Comparative Politics	(C, M, MMR)
^	POLI 121	American Political Development	(C, M, MMR)
^	POLI 140	Contemporary International Politics	(C, M, MMR)

	Course Subject and Number	Course Title	College
^	SOCO 101	Principles of Sociology	(C, M, MMR)
^	SOCO 110	Contemporary Social Problems	(C, M, MMR)
^	SOCO 125	Sociology of the Family	(C, M)
^	SOCO 150	Sociology of Latinos/Latinas	(C, M)
^	SOCO 207	Introduction to Race and Ethnicity	(C, M, MMR)
^	SOCO 223	Globalization and Social Change	(C, M, MMR)
^	WMNS 101	Introduction to Gender and Women's Studies	(M)

5. General Education

See the General Education Requirements (Option 1 and Option 4) section of this catalog for specific requirements.

General Education Requirements (Option 1 and 4)

A minimum of 21 semester units (28 – 31.5 quarter units)

Students selecting General Education Option 1 or Option 4 must fulfill the general education requirements outlined below. Additionally, students choosing Option 1 must complete the District Requirements, as detailed in the District Requirements section of this catalog.

Note: Courses may meet multiple requirements, including general education, a major or area of emphasis, and additional requirements. However, one course may not be counted in more than one general education area, even if the course is approved in multiple general education areas. Students may use the same course to meet a local general education requirement and to satisfy a general education requirement at the California State University or the University of California if that segment accepts the course for this purpose.

The following information is based on **2025–2026** course offerings and is subject to change. Please contact the Counseling Department for updates.

The State of California requires the completion of a minimum of 21 units of general education with at least a 2.0 grade point average. One course must be selected from each of the following areas: English Composition; Oral Communication and Critical Thinking; Mathematical Concepts and Quantitative Reasoning; Arts and Humanities; Social and Behavioral Sciences; Natural Sciences; and Ethnic Studies.

() Colleges in parenthesis indicate where the course is approved for General Education Requirements.

C-City College
M-Mesa College
MMR-Miramar College

^ Courses with a caret fulfill District multicultural studies graduation requirement.

* Courses with an asterisk may satisfy more than one area and/or general education requirement but may not be counted more than once for this.

(1) English Composition, Oral Communication, and Critical Thinking

Minimum of 6 semester units/8 quarter units. Including:

(1A) English Composition

Minimum of 3 semester/4 quarter units. Courses fulfilling this requirement must be baccalaureate-level and include expository and argumentative writing.

Course Subject and Number	Course Title	College
ENGL C1000	Academic Reading and Writing	(C, M, MMR)
ENGL 105	Composition and Literature	(C, M, MMR)

(1B) Oral Communication and Critical Thinking

Minimum of 3 semester / 4 quarter units

Course Subject and Number	Course Title	College
COMM C1000	Introduction to Public Speaking	(C, M, MMR)
COMS 135	Interpersonal Communication	(C, M, MMR)
COMS 160	Argumentation and Critical Thinking	(C, M, MMR)
COMS 170	Small Group Communication	(C, M, MMR)
^ COMS 180	Intercultural Communication	(C, M, MMR)
ENGL C1001	Academic Reading and Writing	(C, M, MMR)
HIST 205	Methodology and Practice in History	(M)
PHIL 100	Logic and Critical Thinking	(C, M, MMR)
PHIL 205	Critical Thinking and Writing	(C, M, MMR)

(2) Mathematical Concepts and Quantitative Reasoning

Minimum of 3 semester / 4 quarter units

Course Subject and Number	Course Title	College
BANK 103	Introduction to Investments	(MMR)
BIOL 200	Biological Statistics	(M)
BUSE 101	Business Mathematics	(C, M, MMR)
BUSE 115	Statistics for Business	(C, M, MMR)
CHEM 251	Quantitative Analytical Chemistry	(C, M, MMR)
CISC 150	Introduction to Computer and Information Sciences	(C, M)
CISC 181	Principles of Information Systems	(C, M, MMR)
CISC 187	Data Structures in C++	(C, M, MMR)
CISC 190	Java Programming	(C, M, MMR)
CISC 192	C/C++ Programming	(C, M, MMR)
CISC 201	Advanced C++ Programming	(C, M)
CISC 205	Object Oriented Programming using C++	(C)
CISC 246	Discrete Mathematics for Computer Science	(M, MMR)
ECON 120	Principles of Macroeconomics	(C, M, MMR)
ECON 121	Principles of Microeconomics	(C, M, MMR)
ENGE 151	Engineering Drawing	(C, M)
ENGE 200	Statics	(C, M)
ENGE 240	Digital Systems	(C, M)
ENGE 250	Dynamics	(C, M)
ENGE 260	Electric Circuits	(C, M)
GISG 104	Geographic Information Science and Spatial Reasoning	(C, M)
HEIT 256	Statistics for Healthcare	(M)
MATH 92	Applied Beginning and Intermediate Algebra (City Apprenticeship Students Only)	(C)

Course Subject and Number	Course Title	College
MATH 96	Intermediate Algebra and Geometry (City Apprenticeship Students Only)	(C)
MATH 98	Technical Algebra and Geometry (City Apprenticeship Students Only)	(C)
MATH 104	Trigonometry	(C, M, MMR)
MATH 107	Introduction to Scientific Programming	(C)
MATH 107L	Introduction to Scientific Programming Lab	(C)
MATH 109	Explorations in Mathematical Statistics	(C)
MATH 115	Gateway to Experimental Statistics	(C)
MATH 116	College and Matrix Algebra	(C, M, MMR)
MATH 118	Math for the Liberal Arts Student	(C, M, MMR)
MATH 121	Basic Techniques of Applied Calculus I	(C, M, MMR)
MATH 122	Basic Techniques of Applied Calculus II	(C, M, MMR)
MATH 141	Precalculus	(C, M, MMR)
MATH 150	Calculus with Analytic Geometry I	(C, M, MMR)
MATH 151	Calculus with Analytic Geometry II	(C, M, MMR)
MATH 210A	Concepts of Elementary School Mathematics I	(C, M)
MATH 210B	Concepts of Elementary School Mathematics II	(C, M)
MATH 215	Introduction to Teaching Mathematics	(M)
MATH 245	Discrete Mathematics	(C, M, MMR)
MATH 252	Calculus with Analytic Geometry III	(C, M, MMR)
MATH 254	Introduction to Linear Algebra	(C, M, MMR)
MATH 255	Differential Equations	(C, M, MMR)
MFET 210	Statistical Process Control	(C)
MFET 220	Programmable Logic Controllers	(C)
PHIL 101	Symbolic Logic	(C, M, MMR)

Course Subject and Number	Course Title	College
PHYS 125	General Physics	(C, M, MMR)
PHYS 126	General Physics II	(C, M, MMR)
PHYS 180A	General Physics I	(C, M, MMR)
PHYS 180B	General Physics II	(C, M, MMR)
PHYS 195	Mechanics	(C, M, MMR)
PHYS 196	Electricity and Magnetism	(C, M, MMR)
PHYS 197	Waves, Optics and Modern Physics	(C, M, MMR)
POLI 201	Elementary Statistics for Political Science	(C, M)
PSYC 258	Behavioral Science Statistics	(C, M, MMR)
STAT C1000	Introduction to Statistics	(C, M, MMR)

(3) Arts and Humanities

Minimum of 3 semester / 4 quarter units

	Course Subject and Number	Course Title	College
^	AAPI 124	Introduction to Asian American and Pacific Islander Studies	(C, M, MMR)
	AMSL 120	American Sign Language Level I	(C, M, MMR)
	AMSL 121	American Sign Language Level II	(C, M, MMR)
	AMSL 220	American Sign Language Level III	(C, M)
	AMSL 221	American Sign Language Level IV	(C, M)
	ARAB 101	First Course in Arabic	(C)
	ARAB 102	Second Course in Arabic	(C)
	ARAB 201A	Third Course in Arabic	(C)
	ARCH 126	History of Ancient World Architecture	(M)
	ARCH 127	History of World Architecture: Renaissance Through Contemporary	(M)
	ARTF 100	Art Orientation	(C, M, MMR)
	ARTF 106	Art of the United States: Colonial to Modern Period	(M)
	ARTF 107	Contemporary Art	(M, MMR)
	ARTF 108	Women in Art	(M)
	ARTF 109	Modern Art	(C, M, MMR)
	ARTF 110	Art History: Prehistoric to Gothic	(C, M, MMR)
	ARTF 111	Art History: Renaissance to Modern	(C, M, MMR)
^	ARTF 113	Arts of Africa, Oceania, and the Americas	(M, MMR)
^	ARTF 115	African Art	(C, M)
^	ARTF 120	Native American Art	(M)
	ARTF 125	Art History: Arts of the Asian Continent	(C, M, MMR)
	ARTF 130	Pre-Columbian Art	(M)

Course Subject and Number	Course Title	College
ARTF 188	Women and Gender in Photography	(M)
ARTF 191	Cultural Influences on Photography	(M)
ARTF 194	Critical Photography	(M)
ARTF 212	Sustainable Art and Design	(C)
^ BLAS 110	African American Art	(C, M)
^ BLAS 111	Cultural Influences on African Art	(M)
^ BLAS 120	Black Music	(C, M)
^ BLAS 150	Black Women in Literature, Film and the Media	(C, M, MMR)
^ BLAS 155	African American Literature	(C, M, MMR)
CHIC 130	Mexican Literature in Translation	(C, M)
^ CHIC 135	Chicana/o Literature	(C, M, MMR)
CHIC 138	Literature of La Raza in Latin America in Translation	(C, M)
^ CHIC 190	Chicano Images in Film	(C, M)
^* CHIC 210	Chicano Culture	(C, M)
CHIC 230	Chicano Art	(C, M)
CHIN 101	First Course in Mandarin Chinese	(M)
CHIN 102	Second Course in Mandarin Chinese	(M)
CHIN 201	Third Course in Mandarin Chinese	(M)
CHIN 202	Fourth Course in Mandarin Chinese	(M)
DANC 181	History of Dance	(C, M)
DFLM 101	Introduction to Film	(MMR)
DFLM 102	The American Cinema	(MMR)
DRAM 105	Introduction to Dramatic Arts	(C, M)
DRAM 107	Study of Filmed Plays	(C, M)
DRAM 108	Playwriting	(C, M)

	Course Subject and Number	Course Title	College
^	DRAM 109	Theatre and Social Issues	(C, M)
	DRAM 111	Chicana/o Theatre	(C)
	DRAM 136	History of Canonized Theatre - Ancient Greece to the Restoration	(C, M)
	DRAM 137	History of Canonized Western Theatre - Restoration to the Present	(C, M)
	DRAM 150	Cinema as Art and Communication I	(M)
	DRAM 151	Cinema as Art and Communication II	(M)
	DRAM 205	The American Musical on Stage and Screen	(C, M)
	DSGN 104	Graphic Design History	(C)
	ENGL 207	The Art of the Sentence	(M)
	ENGL 208	Introduction to Literature	(C, M, MMR)
	ENGL 209	Literary Approaches to Film	(C, M, MMR)
	ENGL 210	American Literature I	(C, M, MMR)
	ENGL 211	American Literature II	(C, M, MMR)
	ENGL 215	English Literature I: 800-1799	(C, M, MMR)
	ENGL 216	English Literature II: 1800-Present	(C, M, MMR)
	ENGL 220	Masterpieces of World Literature I: 1500 BCE-1600 CE	(C, M, MMR)
	ENGL 221	Masterpieces of World Literature II: 1600-Present	(C, M, MMR)
^	ENGL 230	Asian American Literature	(M, MMR)
^	ENGL 234	Hip Hop Literature: A Poetry Class	(C, M, MMR)
	ENGL 237	Women in Literature	(C, M, MMR)
	ENGL 238	Evaluating Children's Literature	(C)
	ENGL 240	Shakespeare	(C, M)
	FASH 120	Fashion History and Trends	(M)
^	FASH 122	Ethnic Costume	(M)

Course Subject and Number	Course Title	College
FJMP 100	Introduction to Cinema	(C)
FREN 101	First Course in French	(C, M)
FREN 102	Second Course in French	(C, M)
FREN 201	Third Course in French	(C, M)
FREN 202	Fourth Course in French	(C, M)
GERM 101	First Course in German	(C, M)
GERM 102	Second Course in German	(C, M)
GERM 201	Third Course in German	(C, M)
* HIST 100	World History I	(C, M, MMR)
* HIST 101	World History II	(C, M, MMR)
* HIST 105	Introduction to Western Civilization I	(C, M, MMR)
* HIST 106	Introduction to Western Civilization II	(C, M, MMR)
^* HIST 120	Introduction to Asian Civilizations	(C, M, MMR)
^* HIST 121	Asian Civilizations in Modern Times	(C, M, MMR)
^* HIST 123	U.S. History from the Asian Pacific American Perspective	(C, M, MMR)
* HIST 131	Latin America Before Independence	(M)
* HIST 132	Latin America Since Independence	(M)
HUMA 101	Introduction to the Humanities I	(C, M, MMR)
HUMA 102	Introduction to the Humanities II	(C, M, MMR)
HUMA 103	Introduction to the New Testament	(C, M)
HUMA 104	Introduction to the Old Testament	(M)
HUMA 106	World Religions	(C, M, MMR)
HUMA 118	Eastern Humanities	(M)
HUMA 119	Western Humanities	(M)
HUMA 201	Mythology	(C, M, MMR)

Course Subject and Number	Course Title	College
HUMA 202	Mythology: Hero's Journey	(C)
HUMA 205	Exploring Human Values Through Film	(M)
HUMA 210	Women in Religion and Myth	(M)
^ INTE 125	History of Furniture and Interiors	(M)
ITAL 101	First Course in Italian	(C,M)
ITAL 102	Second Course in Italian	(C,M)
ITAL 201	Third Course in Italian	(C,M)
JAPN 101	First Course in Japanese	(M)
JAPN 102	Second Course in Japanese	(M)
JAPN 201	Third Course in Japanese	(M)
JAPN 202	Fourth Course in Japanese	(M)
MULT 116	Unity Game Development	(M)
MUSI 100	Introduction to Music	(C, M, MMR)
MUSI 103	History of Rock Music	(C, M, MMR)
^ MUSI 109	World Music	(C, M, MMR)
MUSI 111	Jazz History	(C, M, MMR)
MUSI 114	Music of The Beatles	(M)
MUSI 117	Music in the United States	(M)
MUSI 118	Asian & Pacific Music	(M)
MUSI 119	Music in Latin America & North America	(M)
MUSI 125	Music, the Arts, and Society	(M)
MUSI 126	Rap Music and Hip Hop Culture	(M)
MUSI 131	Music of California	(M)
MUSI 138	Women in Music	(M)
PHIL 102A	Introduction to Philosophy: Reality and Knowledge	(C, M, MMR)

Course Subject and Number	Course Title	College
PHIL 102B	Introduction to Philosophy: Values	(C, M, MMR)
PHIL 103	Historical Introduction to Philosophy	(M)
PHIL 104A	History Of Western Philosophy: Ancient to Medieval	(C, M, MMR)
PHIL 104B	History of Western Philosophy: Modern to Contemporary	(C, M)
PHIL 105	Contemporary Philosophy	(C, M)
PHIL 106	Asian Philosophy	(C, M)
PHIL 107	Reflections on Human Nature	(C, M, MMR)
* PHIL 108	Perspectives on Human Nature and Society	(C, M)
PHIL 110	Philosophy of Religion	(M)
PHIL 111	Philosophy In Literature and Other Fiction	(C, M)
PHIL 112	Philosophy of Science	(M)
^* PHIL 125	Philosophy of Women	(C, M)
PHIL 130	Philosophy of Art and Music	(C, M)
PHIL 131	Environmental Ethnics	(C, M, MMR)
PHOT 150	History of Photography	(C)
RUSS 101	First Course in Russian	(M)
RUSS 102	Second Course in Russian	(M)
RUSS 201	Third Course in Russian	(M)
SPAN 101	First Course in Spanish	(C, M, MMR)
SPAN 102	Second Course in Spanish	(C, M, MMR)
SPAN 201	Third Course in Spanish	(C, M, MMR)
SPAN 202	Fourth Course in Spanish	(C, M, MMR)
SPAN 215	Spanish for Spanish Speakers I	(C, M)
SPAN 216	Spanish for Spanish Speakers II	(C, M)
SPAN 221	Hispanic Literature for Spanish Speakers	(M)

Course Subject and Number	Course Title	College
SPAN 222	Hispanic Culture and Civilization for Spanish Speakers	(M)
TAGA 101	First Course in Tagalog	(MMR)
TAGA 102	Second Course in Tagalog	(MMR)
TAGA 201	Third Course in Tagalog	(MMR)
VIET 101	First Course in Vietnamese	(M)
VIET 102	Second Course in Vietnamese	(M)
VIET 201	Third Course in Vietnamese	(M)

(4) Social and Behavioral Sciences

Minimum of 3 semester / 4 quarter units

	Course Subject and Number	Course Title	College
*^	AAPI 124	Introduction to Asian American and Pacific Islander Studies	(C, M, MMR)
*^	AAPI 125	Asian American and Pacific Islander Identities and Cultures	(M)
^	AAPI 130	Asian American and Pacific Islander Women	(M)
	ADJU 101	Introduction to Administration of Justice	(C, MMR)
^	ADJU 106	Diversity and Community Relations	(MMR)
	ADJU 230	Constitutional Law I	(MMR)
	AGRI 100	Principles of Sustainable Agriculture	(C)
^	AMSL 150	Introduction to Deaf Culture	(M)
^	ANTH 103	Introduction to Cultural Anthropology	(C, M, MMR)
	ANTH 107	Introduction to Archaeology	(C, M, MMR)
	ANTH 110	Anthropology of Magic, Witchcraft, and Religion	(C, M)
	ANTH 117	Anthropology of Gender and Sexuality	(M)
	ANTH 140	Primatology	(C, M)
	ANTH 205	Introduction to Medical Anthropology	(M)
^	ANTH 210	Introduction to California Indians	(C)
	ANTH 215	Cultures of Latin America	(C, M)
^*	BLAS 100	Introduction to Black Studies	(C, M, MMR)
^	BLAS 104	Black Psychology	(C, M, MMR)
^	BLAS 115	Sociology from a Black Perspective	(C)
^	BLAS 116	Contemporary Social Problems from a Black Perspective	(C, M)
^	BLAS 125	Dynamics of the Black Community	(M)
^	BLAS 130	The Black Family	(C, M)

	Course Subject and Number	Course Title	College
^	BLAS 135	Introduction to Black Politics	(C)
^	BLAS 140A	African American History to Reconstruction	(C, M, MMR)
^	BLAS 140B	African American History since Reconstruction to the Present	(C, M, MMR)
^	BLAS 145A	Introduction to African History	(C, M)
^	BLAS 145B	Introduction to African History	(C, M)
	BLAS 165	Sexuality and Black Culture	(C, M)
	BLAS 175	Psycho-History of Racism and Sexism	(M)
	BUSE 100	Introduction to Business	(C, M, MMR)
	BUSE 140	Business Law and the Legal Environment	(C, M, MMR)
^*	CHIC 110A	Introduction to Chicana and Chicano Studies	(C, M, MMR)
^*	CHIC 110B	Introduction to Chicano Studies	(C, M)
^	CHIC 140	Chicana/o Sociology	(C, M)
^	CHIC 141A	United States History from a Chicano Perspective	(C, M, MMR)
^	CHIC 141B	United States History from a Chicano Perspective	(C, M, MMR)
	CHIC 150	History of Mexico	(C, M)
^	CHIC 155	Introduction to Central American Studies	(M)
	CHIC 170	La Chicana	(C, M, MMR)
	CHIC 201	The Indigenous Tradition of Mexico and Ancient Mesoamerica	(C, M)
^*	CHIC 210	Chicano Culture	(C, M)
	CHIL 101	Human Growth and Development	(C, M, MMR)
	CHIL 103	Lifespan Growth and Development	(MMR)
^	CHIL 141	The Child, Family and Community	(C, M, MMR)
	COMS 201	Communication and Community	(C, MMR)
	CRES 101	Conflict Resolution and Mediation	(C)

	Course Subject and Number	Course Title	College
	DSST 101	Introduction to Disability Studies	(C)
	ECON 120	Principles of Macroeconomics	(C, M, MMR)
	ECON 121	Principles of Microeconomics	(C, M, MMR)
	ECON 220	Economics of the Environment	(C, M)
^	ENGL 202	Introduction to Linguistics	(C, M)
^*	FILI 100	Filipino American Experience	(M, MMR)
	FJMP 101	Introduction to Mass Media	(C)
^	GEND 101	Introduction to Gender Studies	(C, MMR)
^	GEOG 102	Cultural Geography	(C, M, MMR)
	GEOG 104	World Regional Geography	(C, M, MMR)
	GEOG 154	Introduction to Urban Geography	(C, M)
	HEAL 103	Introduction to Public Health	(C, M)
	HEAL 104	Public Health and Social Justice	(M)
*	HIST 100	World History I	(C, M, MMR)
*	HIST 101	World History II	(C, M, MMR)
*	HIST 105	Introduction to Western Civilization I	(C, M, MMR)
	HIST 106	Introduction to Western Civilization II	(C, M, MMR)
	HIST 109	History of the United States I	(C, M, MMR)
	HIST 110	History of the United States II	(C, M, MMR)
^	HIST 115A	History of the Americas I	(C, M, MMR)
^	HIST 115B	History of the Americas II	(C, M, MMR)
^*	HIST 120	Introduction to Asian Civilization	(C, M, MMR)
^*	HIST 121	Asian Civilizations in Modern Times	(C, M, MMR)
^*	HIST 123	U.S. History from the Asian Pacific American Perspective	(C, M, MMR)
^	HIST 130	The Modern Middle East	(M)

	Course Subject and Number	Course Title	College
*	HIST 131	Latin America Before Independence	(M)
*	HIST 132	Latin America Since Independence	(M)
	HIST 135	History of Technology	(M)
	HIST 141	Women in United States History I	(M, MMR)
	HIST 142	Women in United States History II	(M, MMR)
^	HIST 150	Native Americans in United States History I	(M)
^	HIST 151	Native Americans in United States History II	(M)
	HIST 154	Ancient Egypt	(M)
	HIST 175	California History	(M)
	HUMS 101	Introduction to Human Aging	(C)
	JOUR 202	Introduction to Mass Communication	(M, MMR)
^	NUTR 153	Cultural Foods	(M)
	PADM 110	Introduction to Law and Society	(C, M)
	PADM 200	Introduction to Public Administration	(C, MMR)
	PEAC 101	Introduction to Peace Studies	(C)
*	PHIL 108	Perspectives on Human Nature and Society	(C, M)
	PHIL 109	Issues in Social Philosophy	(M)
^*	PHIL 125	Philosophy of Women	(C, M)
	PHIL 126	Philosophy of Contemporary Gender Issues	(C, M)
	POLI 101	Introduction to Political Science	(C, M, MMR)
^	POLI 103	Comparative Politics	(C, M, MMR)
^	POLI 121	American Political Development	(C, M, MMR)
	POLI 123	Gender and Politics	(M)
	POLI 124	Power and Justice: An Introduction to Political Theory	(C, M)
^	POLI 140	Contemporary International Politics	(C, M, MMR)

Course Subject and Number	Course Title	College
POLS C1000	American Government and Politics	(C, M, MMR)
PSYC 111	Psychological /Social Aspects of Aging, Death and Dying	(C, M)
PSYC 112	Interpersonal Relations	(M)
PSYC 121	Introduction to Child Psychology	(M)
PSYC 123	Adolescent Psychology	(MMR)
PSYC 133	Psychology of Women	(M, MMR)
PSYC 135	Marriage and Family Relations	(C, M, MMR)
PSYC 137	Human Sexual Behavior	(C, M, MMR)
PSYC 155	Introduction to Personality	(C, M, MMR)
PSYC 166	Introduction to Social Psychology	(C, M, MMR)
PSYC 211	Learning	(C, M, MMR)
PSYC 230	Psychology of Lifespan Development	(C, M, MMR)
PSYC 245	Abnormal Psychology	(C, M, MMR)
PSYC 283	Introduction to Cognitive Psychology	(C, M, MMR)
PSYC C1000	Introduction to Psychology	(C, M, MMR)
^ SOCO 101	Principles of Sociology	(C, M, MMR)
^ SOCO 110	Contemporary Social Problems	(C, M, MMR)
^ SOCO 125	Sociology of the Family	(C, M)
SOCO 145	Health and Society	(C, M, MMR)
^ SOCO 150	Sociology of Latinos/Latinas	(C, M)
SOCO 201	Advanced Principles of Sociology	(C, M, MMR)
^ SOCO 207	Introduction to Race and Ethnicity	(C, M, MMR)
SOCO 220	Introduction to Research Methods in Sociology	(C, M, MMR)
^ SOCO 223	Globalization and Social Change	(C, M, MMR)
SUST 101	Introduction to Sustainability	(C, M, MMR)

	Course Subject and Number	Course Title	College
^	WMNS 101	Introduction to Gender and Women's Studies	(M)

(5) Natural Sciences

Minimum of 3 semester / 4 quarter units

Course Subject and Number	Course Title	College
AGRI 107	Introduction to Agricultural Plant Science	(C)
AGRI 125	Introduction to Soil Science	(C)
ANTH 102	Introduction to Biological Anthropology	(C, M, MMR)
ANTH 104	Laboratory in Biological Anthropology	(C, M, MMR)
ASTR 101	Descriptive Astronomy	(C, M, MMR)
ASTR 102	Exploring the Solar System and Life Beyond The Earth	(C, M, MMR)
ASTR 109	Practice in Observing - Laboratory	(C, M, MMR)
ASTR 111	Astronomy Laboratory	(C, M, MMR)
AVIA 115	Aviation Weather	(MMR)
BIOL 100	Natural History – Environmental	(M, MMR)
BIOL 101	Issues in Environmental Science & Sustainability	(C, MMR)
BIOL 107	General Biology- Lecture and Laboratory	(C, M, MMR)
BIOL 110	Introduction to Oceanography	(M)
BIOL 111	Cancer Biology	(C)
BIOL 115	Marine Biology	(M, MMR)
BIOL 120	The Environment of Man	(M)
BIOL 130	Human Heredity	(C, M, MMR)
BIOL 131	Introduction to Biotechnology	(MMR)
BIOL 135	Biology of Human Nutrition	(MMR)
BIOL 160	Elements of Human Anatomy & Physiology	(M, MMR)
BIOL 180	Plants and People	(C, M, MMR)
BIOL 205	General Microbiology	(C, M, MMR)
BIOL 210A	Introduction to the Biological Sciences I	(C, M, MMR)

Course Subject and Number	Course Title	College
BIOL 210B	Introduction to the Biological Sciences II	(C, M, MMR)
BIOL 215	Introduction to Zoology	(M)
BIOL 230	Human Anatomy	(C, M, MMR)
BIOL 235	Human Physiology	(C, M, MMR)
BIOL 250	Introduction to Botany	(M)
CHEM 100	Fundamentals of Chemistry	(C, M, MMR)
CHEM 100L	Fundamentals of Chemistry - Laboratory	(C, M, MMR)
CHEM 103	General, Organic, and Biological Chemistry	(M, MMR)
CHEM 111	Chemistry in Society	(C, M, MMR)
CHEM 111L	Chemistry and Society Laboratory	(C, M)
CHEM 130	Introduction to Organic & Biological Chemistry	(C, M, MMR)
CHEM 130L	Introduction to Organic & Biological Chemistry	(C, M, MMR)
CHEM 152	Introduction to General Chemistry	(C, M, MMR)
CHEM 152L	Introduction to General Chemistry	(C, M, MMR)
CHEM 160	Introductory Biochemistry	(M, MMR)
CHEM 200	General Chemistry I- Lecture	(C, M, MMR)
CHEM 200L	General Chemistry I- Laboratory	(C, M, MMR)
CHEM 201	General Chemistry II- Lecture	(C, M, MMR)
CHEM 201L	General Chemistry II- Laboratory	(C, M, MMR)
CHEM 231	Organic Chemistry I- Lecture	(C, M, MMR)
CHEM 231L	Organic Chemistry I- Laboratory	(C, M, MMR)
CHEM 233	Organic Chemistry II- Lecture	(C, M, MMR)
CHEM 233L	Organic Chemistry II- Laboratory	(C, M, MMR)
CHEM 251	Quantitative Analytical Chemistry	(C, M, MMR)
GEOG 101	Physical Geography	(C, M, MMR)

Course Subject and Number	Course Title	College
GEOG 101L	Physical Geography	(C, M, MMR)
GEOL 100	Physical Geology	(C, M, MMR)
GEOL 101	Physical Geology Laboratory	(C, M, MMR)
GEOL 104	Earth Science	(C, M, MMR)
GEOL 111	The Earth Through Time	(C, M, MMR)
GEOL 120	Earth Science	(C, M)
GEOL 130	Field Geology of San Diego County	(C, M, MMR)
MEDA 55	Fundamentals Human Anatomy and Physiology	(M)
NUTR 150	Nutrition	(C, M, MMR)
NUTR 155	Advanced Nutrition	(M, MMR)
OCEA 101	The Oceans	(M, MMR)
PHYN 100	Survey of Physical Science	(C, M, MMR)
PHYN 101	Survey of Physical Science Laboratory	(C, M, MMR)
PHYN 105	Physical Science for Elementary Education	(M, MMR)
PHYN 114	Weather and Climate	(C, M, MMR)
PHYS 100	Introductory Physics	(C, M)
PHYS 125	General Physics	(C, M, MMR)
PHYS 126	General Physics II	(C, M, MMR)
PHYS 180A	General Physics I	(C, M, MMR)
PHYS 180B	General Physics II	(C, M, MMR)
PHYS 181A	General Physics Lab I	(C, M, MMR)
PHYS 181B	General Physics Lab II	(C, M, MMR)
PHYS 195	Mechanics	(C, M, MMR)
PHYS 196	Electricity and Magnetism	(C, M, MMR)
PHYS 197	Waves, Optics and Modern Physics	(C, M, MMR)

Course Subject and Number	Course Title	College
PSYC 260	Introduction to Physiological Psychology	(C, M, MMR)
PSYC 260L	Introduction to Physiological Psychology Laboratory	(M)

(6) Ethnic Studies

Minimum of 3 semester / 4 quarter units

	Course Subject and Number	Course Title	College
^*	AAPI 124	Introduction to Asian American and Pacific Islander Studies	(C, M, MMR)
^*	AAPI 125	Asian American and Pacific Islander Identities and Cultures	(M)
	AAPI 130	Asian American and Pacific Islander Women	(M)
^*	BLAS 100	Introduction to Black Studies	(C, M, MMR)
^*	BLAS 140A	African American History to Reconstruction	(C, M, MMR)
^*	BLAS 140B	African American History since Reconstruction to the Present	(C, M, MMR)
^*	CHIC 110A	Introduction to Chicana and Chicano Studies	(C, M, MMR)
^*	CHIC 110B	Introduction to Chicana and Chicano Studies	(C, M)
^*	FILI 100	Filipino American Experience	(M, MMR)

Certificate of Achievement

On the recommendation of the faculty, the colleges of the San Diego Community College District award the Certificate of Achievement to students who complete the specified requirements. Programs in which a Certificate of Achievement may be awarded are described in the [Degree Curricula and Certificate Programs](#) section of this catalog. Certificate programs are designed for students with specific personal or occupational goals. To qualify for the Certificate of Achievement, students must satisfy the following requirements:

1. Meet all standards for admission to the desired certificate program;
2. Earn a grade of "C" or higher in each course. A "P" (pass) grade meets this requirement; and
3. A minimum of six semester units of the required courses for the major must be completed at City, Mesa or Miramar College.

Certificate of Performance

Programs in which a Certificate of Performance may be awarded are described in the Degree Curricula and Certificate Programs section of this catalog. A Certificate of Performance recognizes the attainment of knowledge and/or skill through the successful completion of two or more courses as specified by a department. Certificates of Performance are designed to prepare students for employment, job enhancement and/or job advancement. To qualify for the Certificate of Performance, students must satisfy the following requirements:

1. Achieve a grade of "C" or better in each of the required courses. A "P" (pass) grade meets this requirement.
2. Complete all required course work in the San Diego Community College District.
3. Course substitutions or course equivalencies from other colleges may not be used to satisfy Certificate of Performance requirements.

For additional information, contact the campus Evaluations Office or subject-area department.

Graduation

Apply for Graduation

Graduation from Mesa is not automatic. Students who expect to receive an Associate Degree or Certificate of Achievement must [Apply for Graduation](#).

Students who expect to receive an Associate Degree and/or a Certificate of Achievement are encouraged to apply for graduation after they have registered for the semester in which they plan to complete the requirements for their degree program.

The deadline dates for applying to graduate, can be found online at, by accessing the [Graduation Deadlines website](#).

Official college transcripts from all colleges attended must be on file before submitting the graduation application for an Associate Degree.

In cases where a student has taken courses at institutions outside of the San Diego Community College District (SDCCD) that are necessary for completing their Certificate of Achievement requirements, only the transcript from the institution where the relevant course(s) was completed is required.

An evaluation is a summary of college work completed and of requirements to be completed for the associate degree or the certificate of achievement. Only evaluations completed by one of the Evaluators are official.

Petition for Exceptions

Petitions for exceptions to graduation requirements, substitutions, or waiver of requirements are filed with the Counseling Office. All petitions are acted upon by the appropriate college committees/offices.

Catalog Rights

Students who maintain continuous enrollment may choose to graduate under the (City College, Mesa College, and Miramar College) catalog in effect at the time they began their studies in a California Community College, California State University, or University of California campus, or under the catalog in effect at the time of graduation.

Certification of a student's completion of the California General Education Transfer Curriculum (Cal-GETC) or the requirements for an approved intersegmental lower-division general education pattern used for transfer to the University of California or the California State University is not a graduation requirement. Therefore, students do not have catalog rights to a certification pattern used by a certifying institution or a CSU or UC campus.

Continuous Enrollment

Continuous enrollment is defined as enrollment within a calendar year in either the CSU, UC, or California Community College System. Withdrawals are considered enrollment.

Awarding of Degrees or Certificates

Associate Degrees/Certificates of Achievement will be awarded at the end of the semester in which the requirements are completed.

The graduation ceremony is held once a year. Candidates for Fall, Spring and Summer graduation may participate in the ceremony which is held at the end of the Spring semester.

Associate Degree Initiative

The San Diego Community College District proactively reviews student academic records to determine if program requirements for an associate degree have been met.

Student academic records will be reviewed if the student:

- completed at least 70 degree applicable units,
- submitted all transcripts from other institutions attended, and
- has an education plan on file.

If the degree requirements are met, students will be notified via email and awarded a diploma. Students have until the end of the semester to decline the degree.

All students may participate in the commencement ceremony which occurs annually at the end of the spring semester. Note that students who plan to transfer to a California State University (CSU), may want to consider an Associate Degree for Transfer and should consult a counselor or the Transfer Center for options.

Diplomas

Diplomas are issued only after completion of all graduation requirements has been verified. Diplomas will be issued in the name and to the address of record at the time the diploma is awarded. For information on obtaining your diploma or certificate of achievement, or a duplicate copy, please visit the [Graduation Deadlines website](#).

Graduation with Distinction

Graduation with honors distinction will be based upon all coursework that is associate degree and lower division baccalaureate degree applicable.

Graduation with Honors is granted to students who achieve an overall 3.5 GPA, High Honors is granted to students who achieve an overall 3.75 GPA, and Highest Honors is granted to students who achieve an overall 4.0 GPA for coursework for the degree or certificate.

Students will be notified that this distinction is pending at the time of the graduation ceremony, when the GPA will be calculated based upon degree or certificate applicable coursework completed through the Fall semester of the year of the ceremony. The final distinction will be determined for the degree or certificate upon completion of all coursework completed through the Fall semester for fall graduates or the Spring semester for spring graduates or the summer term for summer graduates.

Graduation with Latin Honors (Baccalaureate Degrees Only)

Candidates for one of SDCCD College's baccalaureate degrees may be eligible for Latin Honors at the time of graduation if they have fulfilled the following cumulative GPA requirements:

- Summa Cum Laude Honors: GPA equal to 4.0
- Magna Cum Laude: GPA equal to or greater than 3.75 but less than 4.0
- Cum Laude: GPA equal to or greater than 3.5, but less than 3.75

Students will be notified that this distinction is pending at the time of the graduation ceremony, when the GPL will be calculated based upon degree applicable coursework for the degree through the fall semester of the year of the ceremony. The final distinction will be determined upon the completion of all coursework completed through the fall semester for fall graduates the spring semester for spring graduates, or the summer semester for summer graduates.

Additional College Degree

A student having received an associate or baccalaureate degree may qualify for an additional Associate of Arts or Associate of Science degree in a new major or concentration.

An additional degree:

1. Permits upgrading or preparation for upgrading current employment.
2. Prepares for employment in an area different from that provided by previous training
3. Provides general knowledge leading to fulfillment of personal goals.
4. Allows the student to improve priority of transfer applications by earning an Associate Degree for Transfer (ADT).

The following requirements are applicable:

1. A student must earn a minimum of 6 mutually exclusive required semester units in the new major or emphasis. A minimum of twelve (12) semester degree-applicable units must be completed in residence at the college granting the degree.
2. A student must fulfill current catalog degree requirements if continuous enrollment has not been maintained.
3. Counselors will review all previous college work to determine the student's eligibility for a second degree. The student must Apply for Graduation online, by accessing the [mySDCCD portal](#).

ADT Exemption: Students who have previously been awarded an Associate Degree, and wish to receive one ADT in the same or similar major, will be exempt from the additional unit requirement of 6 new units.

Gainful Employment

Data on Gainful Employment and Licensure Eligibility Requirements are available, by accessing the [CTE report](#).

Transfer Guide

Transfer Programs

Many of the courses completed at San Diego City College, San Diego Mesa College, and San Diego Miramar College may be applied for transfer credit baccalaureate-degree granting universities. The Transfer Center serves as a resource center for students interested in transfer and provides the following: university catalogs, student computer work stations, university brochures and handouts, assistance with transfer information such as articulation agreements for lower division general education, major preparation, transferable electives, workshops on transferring to colleges and universities, access to university advisors, guaranteed university admission programs, assistance completing college applications, and campus visits.

Students are advised to plan transfer programs as early as possible and enroll in transferable courses in both general education and in courses that prepare for the specific university major. Questions related to transfer programs should be discussed with counselors or the Transfer Center staff. Students interested in transfer should meet with a counselor in the Counseling Department room I4-303 or Transfer Center, to develop a Transfer Educational Plan which will identify the courses needed to transfer. The Transfer Center is located in I4-306. For information, call 619-388-2473.

Components of Transfer

"Transfer" is continuing your education at a baccalaureate-degree granting college or university, usually after completing your major preparation and general education at a community college.

The following websites provide Transfer Planners and additional resources to provide you with pertinent information.

[California State University](#)
[University of California](#)
[I Can Go To College](#)
[CCC Transfer](#)

1. Making your decisions

Career Exploration

Your career objective will determine the type of degree you need and your choices for selecting a major.

Major Selection

Many of the classes you take in college will be determined by your major, which is the field of study you will emphasize. You are required to major in a specific academic subject to demonstrate sustained, high level work in one field.

University Selection

Selecting a university takes time and planning. It is strongly recommended that you enroll in Personal Growth 120, College Success. Work closely with your counselor to ensure that you are making the choice that is right for you.

2. Educational Plan

Major Preparation

Most majors require specific lower-division courses to be admitted to a major upon transfer. For public universities in California, visit the [ASSIST](#) for this articulation information. Articulation is the process whereby a course (or set of courses) offered at one institution is accepted as equivalent to or in lieu of a comparable course (or set of courses) at another institution. For current Mesa College articulation agreements with private/independent universities, visit the [Transfer Center](#).

General Education Requirements

General Education requirements are courses required of everyone regardless of major. Each university has different general education patterns. Mesa students can choose from the following:

- a. Complete specific requirements for an individual university;
- b. Complete the approved California General Education Transfer Curriculum (Cal-GETC); or
- c. Complete the approved intersegmental lower division general education pattern used for transfer to the University of California or the California State University based on established and maintained catalog rights.

It is strongly advised that you work closely with a counselor before making a decision.

Electives

Electives are additional courses taken to meet the number of required units or to meet additional lower-division graduation requirements. Make sure the courses you select are transferable courses by referring to the course descriptions in this catalog.

3. Application

Most universities require you to apply for admission about one year prior to your expected transfer date. Visit the Transfer Center in I4-306 for more information and the [website](#).

Transfer to California State University (CSU)

California State University (CSU)

The California State University system is the largest four-year public university system in the United States, with 23 campuses across the state. The CSU system emphasizes quality undergraduate education, leading to bachelor's degrees, while also offering a range of master's programs. Faculty at CSU typically dedicate more time to classroom teaching than to research, which contributes to a more personalized and interactive learning environment.

CSU campuses are known for their strong emphasis on career preparation, providing students with hands-on learning experiences ensuring students gain practical skills and industry-specific knowledge to succeed in their chosen fields.

California residents benefit from relatively low tuition costs, make CSU an affordable option for higher education. San Diego State University (SDSU) and CSU San Marcos are two local universities in the 23-campus California State University system.

For more detailed information on admissions, academic programs and transfer opportunities, visit the [California State University website](#).

CSU Minimum Admission Requirements

Transfer students will be eligible for admission if they meet the following requirements:

1. Complete a minimum of 60 CSU-transferable semester units or 90 transferable quarter units.
2. Obtain a minimum 2.0 GPA (2.4 for California non-residents). Impacted majors may have higher GPA Requirements.
3. Complete "The Golden Four" (Oral Communications, Written Communication, Critical Thinking, and Mathematics/Quantitative Reasoning) with a grade of "C" or better. Pass/ No-Pass grades are not recommended in these areas.

Students are urged to complete the California General Education Transfer Curriculum (Cal-GETC) pattern.

Students are strongly recommended to meet with a counselor to discuss additional requirements for competitive admissions based on major and campus choice.

Associate Degrees for transfer are another option to transfer to the CSU system. Refer to [Academic Requirements](#) or see your counselor or Transfer Center for details.

CSU U.S. History, Constitution, and American Ideals Certification

The California State University, before awarding a degree, requires students to complete courses or examinations that address:

1. The historical development of American institutions and ideals (Area US-1), and
2. The Constitution of the United States and the operation of representative democratic government under that Constitution (Area US-2), and
3. The process of California state and local government (Area US-3).

This requirement may be fulfilled at a California Community College prior to transfer by completing a combination of courses that satisfies all three areas of the requirement. The requirement may also be completed at a CSU campus after transfer. Courses approved in two US areas may be used to satisfy both areas.

Although this requirement is not part of the General Education requirements for CSU, all students must complete course work in U.S. History, Constitution and Government before graduation from a CSU campus. The courses may also be used to partially fulfill Area D of the CSU General Education Breadth Requirements.

A check mark [✓] indicates courses has been approved to meet the area.

Note: Not required for Certification.

Course	Area US-1: Development of American Institutions	Area US-2: US Constitution	Area US-3: California State & Local Governments
BLAS 140A African American History to Reconstruction (C,M,MMR)	✓	✓	
BLAS 140B African American History since Reconstruction to the Present (C,M,MMR)	✓		✓
CHIC 141A United States History from a Chicano Perspective (C,M,MMR)	✓	✓	
CHIC 141B United States History from a Chicano Perspective (C,M,MMR)	✓		✓
HIST 109 History of the United States I (C,M,MMR)	✓	✓	
HIST 110 History of the United States II (C,M,MMR)	✓		✓
HIST 115A History of the Americas I (C,M,MMR)	✓	✓	
HIST 115B History of the Americas II (C,M,MMR)	✓		✓

Course	Area US-1: Development of American Institutions	Area US-2: US Constitution	Area US-3: California State & Local Governments
HIST 123 U.S. History from the Asian Pacific American Perspective (C,M, MMR)	✓		✓
HIST 141 Women in United States History I (M,MMR)	✓	✓	
HIST 142 Women in United States History II (M,MMR)	✓		✓
HIST 150 Native Americans in United States History I (M)	✓	✓	
HIST 151 Native Americans in United States History II (M)	✓		✓
HIST 175 California History (M)			✓
POLI 121 American Political Development (C,M,MMR)	✓	✓	
POLS C1000 American Government and Politics (C,M,MMR)		✓	✓
NOTES: <ul style="list-style-type: none"> • Completion of the Advanced Placement examination in U.S. History with a score of 3 or higher will satisfy the requirement for the CSU American Institutions Area US-1 only. • Completion of the Advanced Placement examination in U.S. Government & Politics with a score of 3 or higher will satisfy the requirement for Area US-2. • Students who have completed the American Institutions requirement except for the California government portion must complete one course approved in Area US-3. 			

Transfer to University of California (UC)

University of California (UC)

The University of California (UC) system is a world-renowned public university system that combines undergraduate education with a strong emphasis on undergraduate education, graduate programs and research. The UC system comprises ten campuses across California, each offering a diverse range of academic programs leading to bachelor's, master's, and doctoral degrees.

UC campuses are known for their rigorous academic standards, research, and commitment to public services. California residents benefit from relatively lower tuition costs compared to private institutions, making the UC system an affordable and high-quality option for higher education.

UC San Diego (UCSD) is one of the ten campuses within the university system, recognized for its excellence in science, engineering, social sciences, and humanities. For detailed information on admissions requirements, transfer pathways visit the [University of California website](#).

UC Minimum Admission Requirements

Transfer students will be eligible for admission if they meet the following requirements:

1. Complete a minimum of 60 UC-transferable semester units or 90 transferable quarter units.
2. Obtain a minimum 2.4 GPA (2.8 for California non-residents). The GPA for admission can be significantly higher due to the applicant pool.
3. Complete two transferable college courses in English composition (3 semester or 4–5 quarter units each) and one transferable college course in mathematical concepts and quantitative reasoning (3 semester or 4–5 quarter units).
4. Complete four transferable college courses chosen from at least two of the following subject areas: arts and humanities, social and behavioral sciences, physical and biological sciences.

The UC gives high priority to students who complete major preparation coursework early in their academic career.

Students who complete the California General Education Transfer Curriculum (Cal-GETC) prior to transferring to the UC system will meet the transfer eligibility coursework requirement listed above (for details on Cal-GETC, see appropriate section of this guide for details). Students are strongly recommended to meet with a counselor to discuss additional requirements for competitive admissions based on major and campus choice.

UC Transfer and Physical Education Activity Courses

The University of California grants a maximum of four semester units of credit for appropriate Physical Education activity courses. Courses that are subject to this limit are listed as such on the college's UC Transfer Course Agreement, available on web [ASSIST](#) under the UC Transferable Courses link. Physical Education Theory courses or courses that do not fit either the Theory or Activity category are not included in the four semester credit limit.

UC Transfer and Variable Topics Courses

These courses are also called "Independent Studies", "Special Studies", "Special Topics", "Internships", "Field Work", etc. Credit for variable topics courses is given only after a review of the scope and content of the course by the enrolling UC campus. This usually occurs after transfer and may require recommendations from faculty. UC does not grant credit for variable topics courses in Journalism, Photography, Health, Business Administration, Architecture, Administration of Justice (Criminology) or Library Departments because of credit restrictions in these areas.

Transfer General Education

General Education

General Education (GE) is a set of courses from a variety of different subject areas that every student must complete in order to earn a bachelor's degree, regardless of major. The goal is to provide a well-rounded education that cultivates the knowledge, skills, and attitudes essential to becoming an "educated person."

The completion of GE prior to transfer is not required for admission to most universities. However, it is usually in the student's best interest to complete an appropriate transfer GE pattern at the community college. This is because GE requirements that are not fulfilled prior to transfer must be completed later at the university, which often extends the time and expense of university education.

The Cal-GETC Pattern

Cal-GETC is accepted by all CSU campuses and most UC campuses and majors. It is also accepted by some private/independent or out-of-state universities.

It is strongly recommended that students consult with a counselor to determine which general education pattern is most appropriate for their individual goals.

General Education Certification

General Education Certification is a legal agreement between the UC or CSU systems and the California Community Colleges that permits a student to transfer from a community college to a UC or CSU campus without the need to complete additional lower division general education courses to satisfy university GE requirements after transfer.

SDCCD will provide Cal-GETC certification to a four-year university when specifically requested by the student. This certification may include courses taken from other colleges or credit earned through other means, such as Advanced Placement (AP) test credit. All official transcripts must be on file.

California General Education Transfer Curriculum (Cal-GETC)

About the Cal-GETC Pattern

The California General Education Transfer Curriculum (Cal-GETC) is a general education pattern that will fulfill all lower-division general education requirements at all California State University (CSU) campuses and most University of California (UC) campuses/majors. It is also accepted by some private/independent or out of state universities. IGETC is usually recommended for students who intend to transfer to a UC campus, or who are not yet sure of their intended transfer university. Completion of the Cal-GETC pattern is not an admission requirement for transfer to most UC or CSU campuses, nor is it the only way to fulfill the lower division GE requirements of a UC or CSU campus prior to transfer.

Additional Cal-GETC Information and Restrictions

- Each course must have been Cal-GETC approved at the time it was completed. See [ASSIST](#) for a list of certified courses and approval dates.
- Courses may be approved for more than one Cal-GETC area. However, each course may be used to certify only one of the areas it is approved for.
- Students should apply for Cal-GETC certification at the last community college attended prior to transfer. Cal-GETC certification requests will be processed for students who have completed at least one course at a SDCCD college. Certification forms are available at the Counseling or Evaluations Office.
- AP credit and coursework completed at accredited U.S. colleges and universities may be used to fulfill some Cal-GETC requirements. All such credit must be evaluated through the Evaluations office. Courses completed at a foreign college or university cannot be used to satisfy Cal-GETC general education requirements.
- All courses must be passed with a "C" or higher. Pass (P) grades are also acceptable. "C-" is not acceptable.
- Some UC campuses do not allow use of Cal-GETC for students who were previously enrolled at a UC campus.
- Some community college courses have limitations on the amount of credit awarded by the receiving university. See a counselor, the course description in the college catalog, or [ASSIST](#) for more information.

Cal-GETC is not recommended for the following transfer destinations:

- UC San Diego Revelle Colleges
- UC Berkeley Colleges of Business, Chemistry, Engineering, Natural Resources, Optometry
- UC Santa Barbara Colleges of Engineering
- UC Los Angeles Schools of Engineering and Applied Science
- UC Merced School of Engineering and Natural Sciences

The Cal-GETC Pattern

- () Colleges in parenthesis indicate where the course is approved for Cal-GETC requirements.
 - C-City College
 - M-Mesa College
 - MMR-Miramar College
- * Courses with an asterisk are listed in more than one area but shall not be certified in more than one area.
- + Courses with a plus indicate transfer credit may be limited by either UC or CSU, or both. Please consult with a counselor for additional information.

Area 1: English Communication

Three Courses: one English Composition, one Critical Thinking and Composition, and one Oral Communication
(Nine semester units)

Area 1A: English Composition

One course (3 semester or 4 quarter units)

Course Subject and Number	Course Title	College
ENGL C1000	Academic Reading and Writing	(C, M, MMR)
ENGL 105	Composition and Literature	(C, M, MMR)

Area 1B: Critical Thinking and Composition

One course (3 semester or 4 quarter units)

Course Subject and Number	Course Title	College
ENGL C1001	Critical Thinking and Writing	(C, M, MMR)
PHIL 205	Critical Thinking and Writing in Philosophy	(C, M, MMR)
HIST 205	Methodology and Practice in History	(M)

Area 1C: Oral Communication

One course (3 semester or 4 quarter units)

Course Subject and Number	Course Title	College
COMM C1000	Introduction to Public Speaking	(C, M, MMR)

Area 2: Mathematical Concepts and Quantitative Reasoning

One course (3 semester or 4 quarter units)

	Course Subject and Number	Course Title	College
+	BIOL 200	Biological Statistics	(M, MMR)
+	BUSE 115	Statistics for Business	(C, M, MMR)
	CISC 246	Discrete Mathematics for Computer Science	(M, MMR)
+	MATH 115	Gateway to Experimental Statistics	(C)
+	MATH 116	College and Matrix Algebra	(C, M, MMR)
+	MATH 121	Basic Techniques of Applied Calculus I	(C, M, MMR)
+	MATH 122	Basic Techniques of Applied Calculus II	(C, M, MMR)
+	MATH 141	Precalculus	(C, M, MMR)
+	MATH 150	Calculus with Analytic Geometry I	(C, M, MMR)
+	MATH 151	Calculus with Analytic Geometry II	(C, M, MMR)
	MATH 245	Discrete Mathematics	(C, M, MMR)
	MATH 252	Calculus with Analytic Geometry III	(C, M, MMR)
	MATH 254	Introduction to Linear Algebra	(C, M, MMR)
	MATH 255	Differential Equations	(C, M, MMR)
+	POLI 201	Elementary Statistics for Political Science	(C, M)
+	PSYC 258	Behavioral Science Statistics	(C, M, MMR)
+	STAT C1000	Introduction to Statistics	(C, M, MMR)

Area 3: Arts and Humanities

Two courses: one Arts and one Humanities (Six semester units)

Area 3A: Arts

One course (3 semester or 4 quarter units)

	Course Subject and Number	Course Title	College
	ARTF 100	Art Orientation	(C, M, MMR)
	ARTF 106	Art of the United States: Colonial to Modern Period	(M)
	ARTF 107	Contemporary Art	(M, MMR)
*	ARTF 108	Women in Art	(M)
	ARTF 109	Modern Art	(C, M, MMR)
	ARTF 110	Art History: Prehistoric to Gothic	(C, M, MMR)
	ARTF 111	Art History: Renaissance to Modern	(C, M, MMR)
+	ARTF 113	Arts of Africa, Oceania, and the Americas	(M, MMR)
+	ARTF 115	African Art	(C, M)
+	ARTF 120	Native American Art	(M)
	ARTF 125	Art History: Arts of the Asian Continent	(C, M, MMR)
	ARTF 130	Pre-Columbian Art	(M)
*	ARTF 188	Women and Gender in Photography	(M)
	ARTF 191	Cultural Influences on Photography	(M)
	ARTF 194	Critical Photography	(M)
	ARTF 212	Sustainable Art and Design	(C)
	BLAS 110	African American Art	(C, M)
+	BLAS 111	Cultural Influences on African Art	(M)
	BLAS 120	Black Music	(C, M)
	CHIC 230	Chicano Art	(C, M)
	CHIC 250	Introduction to Chicana/o Dramatic Art	(C, M)

Course Subject and Number	Course Title	College
DFLM 101	Introduction to Film	(MMR)
DFLM 102	The American Cinema	(MMR)
DRAM 105	Introduction to Dramatic Arts	(C, M)
DRAM 107	Study of Filmed Plays	(C, M)
DRAM 109	Theatre and Social Issues	(C, M)
DRAM 111	Chicana/o Theatre	(C)
DRAM 136	History of Canonized Theatre - Ancient Greece to the Restoration	(C)
DRAM 137	History of Canonized Western Theatre - Restoration to the Present	(C)
DRAM 150	Cinema as Art and Communication I	(M)
DRAM 151	Cinema as Art and Communication II	(M)
DRAM 205	The American Musical on Stage and Screen	(C, M)
DSGN 104	Graphic Design History	(C)
FASH 122	Ethnic Costume	(M)
FJMP 100	Introduction to Cinema	(C)
MUSI 100	Introduction to Music	(C, M, MMR)
MUSI 103	History of Rock Music	(C, M, MMR)
MUSI 109	World Music	(C, M, MMR)
MUSI 111	Jazz History	(C, M, MMR)
MUSI 114	Music of The Beatles	(M)
MUSI 117	Music in the United States	(M)
MUSI 118	Asian & Pacific Music	(M)
MUSI 119	Music in Latin America & North America	(M)
MUSI 125	Music, the Arts, and Society	(M)
MUSI 126	Rap Music and Hip Hop Culture	(M)

Course Subject and Number	Course Title	College
MUSI 131	Music of California	(M)
MUSI 138	Women in Music	(M)
PHOT 150	History of Photography	(C)

Area 3B: Humanities

One course (3 semester or 4 quarter units)

Course Subject and Number	Course Title	College
AMSL 121	American Sign Language Level II	(C, M, MMR)
* AMSL 150	Introduction to Deaf Culture	(C, M)
AMSL 220	American Sign Language Level III	(C, M)
AMSL 221	American Sign Language Level IV	(C, M)
ARAB 102	Second Course in Arabic	(C)
ARAB 201A	Third Course in Arabic	(C)
ARCH 126	History of Ancient World Architecture	(M)
ARCH 127	History of World Architecture: Renaissance Through Contemporary	(M)
* ARTF 108	Women in Art	(M)
* ARTF 188	Women and Gender in Photography	(M)
ARTF 191	Cultural Influences on Photography	(M)
* BLAS 145A	Introduction to African History	(C, M)
* BLAS 145B	Introduction to African History	(C, M)
BLAS 150	Black Women in Literature, Film and the Media	(C, M, MMR)
BLAS 155	African American Literature	(C, M, MMR)
CHIC 130	Mexican Literature in Translation	(C, M)
CHIC 135	Chicana/o Literature	(C, M, MMR)
CHIC 138	Literature of La Raza in Latin America in Translation	(C, M)
CHIC 190	Chicano Images in Film	(C, M)
* CHIC 210	Chicano Culture	(C, M)
CHIN 102	Second Course in Mandarin Chinese	(M)
CHIN 201	Third Course in Mandarin Chinese	(M)
CHIN 202	Fourth Course in Mandarin Chinese	(M)

Course Subject and Number	Course Title	College
ENGL 208	Introduction to Literature	(C, M, MMR)
ENGL 209	Literary Approaches to Film	(C, M, MMR)
ENGL 210	American Literature I	(C, M, MMR)
ENGL 211	American Literature II	(C, M, MMR)
ENGL 215	English Literature I: 800-1799	(C, M, MMR)
ENGL 216	English Literature II: 1800-Present	(C, M, MMR)
ENGL 220	Masterpieces of World Literature I: 1500 BCE-1600 CE	(C, M, MMR)
ENGL 221	Masterpieces of World Literature II: 1600-Present	(C, M, MMR)
ENGL 230	Asian American Literature	(M, MMR)
ENGL 234	Hip Hop Literature: A Poetry Class	(C, M, MMR)
ENGL 237	Women in Literature	(C, M, MMR)
ENGL 240	Shakespeare	(C, M)
FREN 102	Second Course in French	(C, M)
FREN 201	Third Course in French	(C, M)
FREN 202	Fourth Course in French	(C, M)
GERM 102	Second Course in German	(C, M)
GERM 201	Third Course in German	(C, M)
* HIST 100	World History I	(C, M, MMR)
* HIST 101	World History II	(C, M, MMR)
* HIST 105	Introduction to Western Civilization I	(C, M, MMR)
* HIST 106	Introduction to Western Civilization II	(C, M, MMR)
* HIST 120	Introduction to Asian Civilizations	(C, M, MMR)
* HIST 121	Asian Civilizations in Modern Times	(C, M, MMR)
HIST 123	U.S. History from the Asian Pacific American Perspective	(C, M, MMR)
* HIST 131	Latin America Before Independence	(M)

	Course Subject and Number	Course Title	College
*	HIST 132	Latin America Since Independence	(M)
	HUMA 101	Introduction to the Humanities I	(C, M, MMR)
	HUMA 102	Introduction to the Humanities II	(C, M, MMR)
	HUMA 103	Introduction to the New Testament	(C, M)
	HUMA 104	Introduction to the Old Testament	(M)
	HUMA 106	World Religions	(C, M, MMR)
	HUMA 118	Eastern Humanities	(M)
	HUMA 119	Western Humanities	(M)
	HUMA 201	Mythology	(C, M, MMR)
	HUMA 205	Exploring Human Values Through Film	(M)
	HUMA 210	Women in Religion and Myth	(M)
	ITAL 102	Second Course in Italian	(C,M)
	ITAL 201	Third Course in Italian	(C,M)
	JAPN 102	Second Course in Japanese	(M)
	JAPN 201	Third Course in Japanese	(M)
	JAPN 202	Fourth Course in Japanese	(M)
	PHIL 102A	Introduction to Philosophy: Reality and Knowledge	(C, M, MMR)
	PHIL 102B	Introduction to Philosophy: Values	(C, M, MMR)
	PHIL 103	Historical Introduction to Philosophy	(M)
	PHIL 104A	History Of Western Philosophy: Ancient to Medieval	(C, M, MMR)
	PHIL 104B	History of Western Philosophy: Modern to Contemporary	(C, M)
	PHIL 105	Contemporary Philosophy	(C, M)
	PHIL 106	Asian Philosophy	(C, M)
	PHIL 107	Reflections on Human Nature	(C, M, MMR)
	PHIL 108	Perspectives on Human Nature and Society	(C, M)

Course Subject and Number	Course Title	College
PHIL 110	Philosophy of Religion	(C, M)
PHIL 111	Philosophy In Literature and Other Fiction	(C, M)
PHIL 112	Philosophy of Science	(M)
PHIL 125	Philosophy of Women	(C, M)
* PHIL 126	Philosophy of Contemporary Gender Issues	(C, M)
PHIL 130	Philosophy of Art and Music	(C, M)
PHIL 131	Environmental Ethics	(C, M, MMR)
RUSS 102	Second Course in Russian	(M)
RUSS 201	Third Course in Russian	(M)
+ SPAN 102	Second Course in Spanish	(C, M, MMR)
+ SPAN 201	Third Course in Spanish	(C, M, MMR)
SPAN 202	Fourth Course in Spanish	(C, M, MMR)
SPAN 215	Spanish for Spanish Speakers I	(C, M)
SPAN 216	Spanish for Spanish Speakers II	(C, M)
SPAN 221	Hispanic Literature for Spanish Speakers	(M)
SPAN 222	Hispanic Culture and Civilization for Spanish Speakers	(M)
TAGA 102	Second Course in Tagalog	(MMR)
TAGA 201	Third Course in Tagalog	(MMR)
VIET 102	Second Course in Vietnamese	(M)
VIET 201	Third Course in Vietnamese	(M)

Area 4: Social and Behavioral Sciences

Two courses (two academic disciplines, 6 semester or 8 quarter units)

	Course Subject and Number	Course Title	College
*	AAPI 124	Introduction to Asian American and Pacific Islander Studies	(C, M, MMR)
*	AAPI 125	Asian American and Pacific Islander Identities and Cultures	(M)
*	AAPI 130	Asian American and Pacific Islander Women	(M)
	ADJU 101	Introduction to Administration of Justice	(C, MMR)
	ADJU 230	Constitutional Law I	(MMR)
	AGRI 100	Principles of Sustainable Agriculture	(C)
*	AMSL 150	Introduction to Deaf Culture	(C, M)
	ANTH 103	Introduction to Cultural Anthropology	(C, M, MMR)
	ANTH 106	World Prehistory	(C)
	ANTH 107	Introduction to Archaeology	(C, M, MMR)
	ANTH 110	Anthropology of Magic, Witchcraft, and Religion	(C, M)
	ANTH 117	Anthropology of Gender and Sexuality	(M)
	ANTH 140	Primatology	(C, M)
	ANTH 210	Introduction to the Indigenous People of California	(C)
	ANTH 215	Cultures of Latin America	(M)
*	ARTF 108	Women in Art	(M)
*	BLAS 100	Introduction to Black Studies	(C, M, MMR)
+	BLAS 104	Black Psychology	(C, M, MMR)
+	BLAS 115	Sociology from a Black Perspective	(C)
	BLAS 116	Contemporary Social Problems from a Black Perspective	(C, M)
	BLAS 125	Dynamics of the Black Community	(M)
	BLAS 130	The Black Family	(C, M)

	Course Subject and Number	Course Title	College
	BLAS 135	Introduction to Black Politics	(C)
+	* BLAS 140A	African American History to Reconstruction	(C, M, MMR)
+	* BLAS 140B	African American History since Reconstruction to the Present	(C, M, MMR)
*	BLAS 145A	Introduction to African History	(C, M)
*	BLAS 145B	Introduction to African History	(C, M)
	BLAS 175	Psycho-History of Racism and Sexism	(M)
*	CHIC 110A	Introduction to Chicana and Chicano Studies	(C, M, MMR)
*	CHIC 110B	Introduction to Chicano Studies	(C, M)
	CHIC 140	Chicana/o Sociology	(C, M)
+	CHIC 141A	United States History from a Chicano Perspective	(C, M, MMR)
+	CHIC 141B	United States History from a Chicano Perspective	(C, M, MMR)
	CHIC 150	History of Mexico	(C, M)
	CHIC 155	Introduction to Central American Studies	(M)
	CHIC 170	La Chicana	(C, M, MMR)
	CHIC 201	The Indigenous Tradition of Mexico and Ancient Mesoamerica	(C, M)
*	CHIC 210	Chicano Culture	(C, M)
+	CHIL 101	Human Growth and Development	(C, M, MMR)
+	CHIL 103	Lifespan Growth and Development	(MMR)
*	COMS 135	Interpersonal Communication	(C, M, MMR)
	COMS 201	Communication and Community	(C, MMR)
	CRES 101	Conflict Resolution and Mediation	(C)
	DSST 101	Introduction to Disability Studies	(C)
	ECON 120	Principles of Macroeconomics	(C, M, MMR)
	ECON 121	Principles of Microeconomics	(C, M, MMR)

Course Subject and Number	Course Title	College
ECON 220	Economics of the Environment	(C, M)
ENGL 202	Introduction to Linguistics	(C, M)
* FILI 100	Filipino American Experience	(M, MMR)
FJMP 101	Introduction to Mass Media	(C)
GEND 101	Introduction to Gender Studies	(C, MMR)
GEOG 102	Cultural Geography	(C, M, MMR)
GEOG 104	World Regional Geography	(C, M, MMR)
GEOG 154	Introduction to Urban Geography	(C, M)
* HEAL 103	Introduction to Public Health	(C, M)
HEAL 104	Public Health and Social Justice	(M)
* HIST 100	World History I	(C, M, MMR)
* HIST 101	World History II	(C, M, MMR)
* HIST 105	Introduction to Western Civilization I	(C, M, MMR)
* HIST 106	Introduction to Western Civilization II	(C, M, MMR)
+ HIST 109	History of the United States I	(C, M, MMR)
+ HIST 110	History of the United States II	(C, M, MMR)
HIST 115A	History of the Americas I	(C, M, MMR)
HIST 115B	History of the Americas II	(C, M, MMR)
* HIST 120	Introduction to Asian Civilization	(C, M, MMR)
* HIST 121	Asian Civilizations in Modern Times	(C, M, MMR)
HIST 123	U.S. History from the Asian Pacific American Perspective	(C, M, MMR)
HIST 130	The Modern Middle East	(M)
* HIST 131	Latin America Before Independence	(M)
* HIST 132	Latin America Since Independence	(M)
HIST 135	History of Technology	(M)

	Course Subject and Number	Course Title	College
+	HIST 141	Women in United States History I	(M, MMR)
+	HIST 142	Women in United States History II	(M, MMR)
+	HIST 150	Native Americans in United States History I	(M)
+	HIST 151	Native Americans in United States History II	(M)
	HIST 154	Ancient Egypt	(M)
	HIST 175	California History	(M)
	JOUR 202	Introduction to Mass Communication	(C, M, MMR)
	LABR 100	American Labor Movement	(C)
	NUTR 153	Cultural Foods	(C, M, MMR)
	PADM 110	Introduction to Law and Society	(C, M)
	PADM 200	Introduction to Public Administration	(C, MMR)
	PEAC 101	Introduction to Peace Studies	(C)
	PHIL 109	Issues in Social Philosophy	(C, M)
*	PHIL 126	Philosophy of Contemporary Gender Issues	(C, M)
	POLI 101	Introduction to Political Science	(C, M, MMR)
	POLI 103	Comparative Politics	(C, M, MMR)
	POLI 121	American Political Development	(C, M, MMR)
	POLI 123	Gender and Politics	(M)
	POLI 124	Power and Justice: An Introduction to Political Theory	(C, M)
	POLI 140	Contemporary International Politics	(C, M, MMR)
	POLS C1000	American Government and Politics	(C, M, MMR)
+	PSYC C1000	Introduction to Psychology	(C, M, MMR)
	PSYC 111	Psychological /Social Aspects of Aging, Death and Dying	(C, M)
	PSYC 112	Interpersonal Relations	(M)
+	PSYC 121	Introduction to Child Psychology	(M)

	Course Subject and Number	Course Title	College
+	PSYC 123	Adolescent Psychology	(MMR)
	PSYC 133	Psychology of Women	(M, MMR)
	PSYC 135	Marriage and Family Relations	(C, M, MMR)
+	PSYC 137	Human Sexual Behavior	(C, M, MMR)
	PSYC 155	Introduction to Personality	(C, M, MMR)
	PSYC 166	Introduction to Social Psychology	(C, M, MMR)
	PSYC 211	Learning	(C, M, MMR)
	PSYC 230	Psychology of Lifespan Development	(C, M, MMR)
	PSYC 245	Abnormal Psychology	(C, M, MMR)
	PSYC 283	Introduction to Cognitive Psychology	(C, M, MMR)
+	SOCO 101	Principles of Sociology	(C, M, MMR)
	SOCO 110	Contemporary Social Problems	(C, M, MMR)
	SOCO 125	Sociology of the Family	(C, M)
	SOCO 145	Health and Society	(C, M, MMR)
	SOCO 150	Sociology of Latinos/Latinas	(C, M)
	SOCO 201	Advanced Principles of Sociology	(C, M, MMR)
	SOCO 207	Introduction to Race and Ethnicity	(C, M, MMR)
	SOCO 220	Introduction to Research Methods in Sociology	(C, M, MMR)
	SOCO 223	Globalization and Social Change	(C, M, MMR)
	SPAN 222	Hispanic Culture Civilization for Spanish Speakers	(M)
	SUST 101	Introduction to Sustainability	(C, M, MMR)
	WMNS 101	Introduction to Gender and Women's Studies	(M)

(5) Physical and Biological Science

Two courses: one Physical Science course and one Biological Science course (Seven semester units). One of the courses must be a laboratory.

- One course in 5A (underlined courses include a laboratory component)
- One course in 5B (underlined courses include a laboratory component)
- One of the courses selected to fulfill Area 5 requirement (5A or 5B) must include a laboratory component or a separate course must be taken from 5C. If a separate laboratory course is taken from 5C, it must match one of the two lecture courses taken from 5A or 5B.

Area 5A: Physical Science

One course (3 semester or 4 quarter units)

	Course Subject and Number	Course Title	College
	<u>AGRI 125</u>	Introduction to Soil Science	(C)
	ASTR 101	Descriptive Astronomy	(C, M, MMR)
	ASTR 102	Exploring the Solar System and Life Beyond The Earth	(C, M, MMR)
	AVIA 115	Aviation Weather	(MMR)
+	CHEM 100	Fundamentals of Chemistry	(C, M, MMR)
	<u>CHEM 103</u>	General, Organic, and Biological Chemistry	(M, MMR)
	CHEM 111	Chemistry in Society	(C, M, MMR)
+	CHEM 130	Introduction to Organic & Biological Chemistry	(C, M, MMR)
+	CHEM 152	Introduction to General Chemistry	(C, M, MMR)
	CHEM 160	Introductory Biochemistry	(M, MMR)
	CHEM 200	General Chemistry	(C, M, MMR)
	CHEM 201	General Chemistry I	(C, M, MMR)
+	CHEM 231	Organic Chemistry I Lecture	(C, M, MMR)
	CHEM 233	Organic Chemistry II Lecture	(C, M, MMR)
	<u>CHEM 251</u>	Quantitative Analytical Chemistry	(C, M, MMR)
	GEOG 101	Physical Geography	(C, M, MMR)
	GEOL 100	Physical Geology	(C, M, MMR)
	GEOL 104	Earth Science	(C, M, MMR)

Course Subject and Number	Course Title	College
<u>GEOL 111</u>	The Earth Through Time	(C, M, MMR)
<u>GEOL 130</u>	Field Geology of San Diego County	(C, M, MMR)
OCEA 101	The Oceans	(M, MMR)
+ PHYN 100	Survey of Physical Science	(C, M, MMR)
PHYN 105	Physical Science for Elementary Education	(M)
PHYN 114	Weather and Climate	(C, M, MMR)
+ <u>PHYS 100</u>	Introductory Physics	(C, M)
+ <u>PHYS 125</u>	General Physics	(C, M, MMR)
+ <u>PHYS 126</u>	General Physics II	(C, M, MMR)
+ PHYS 180A	General Physics I	(C, M, MMR)
+ PHYS 180B	General Physics II	(C, M, MMR)
+ <u>PHYS 195</u>	Mechanics	(C, M, MMR)
+ <u>PHYS 196</u>	Electricity and Magnetism	(C, M, MMR)
+ <u>PHYS 197</u>	Waves, Optics and Modern Physics	(C, M, MMR)

Area 5B: Biological Science

One course (3 semester or 4 quarter units)

Course Subject and Number	Course Title	College
<u>AGRI 107</u>	Introduction to Agricultural Plant Science	(C)
ANTH 102	Introduction to Biological Anthropology	(C, M, MMR)
+ <u>BIOL 100</u>	Natural History – Environmental	(M, MMR)
<u>BIOL 101</u>	Issues in Environmental Science & Sustainability	(C, MMR)
+ <u>BIOL 107</u>	General Biology- Lecture and Laboratory	(C, M, MMR)
BIOL 110	Introduction to Oceanography	(M)
<u>BIOL 115</u>	Marine Biology	(M, MMR)
+ BIOL 120	The Environment of Man	(M)
BIOL 130	Human Heredity	(C, M, MMR)
<u>BIOL 131</u>	Introduction to Biotechnology	(MMR)
+ BIOL 180	Plants and People	(C, M, MMR)
<u>BIOL 205</u>	General Microbiology	(C, M, MMR)
<u>BIOL 210A</u>	Introduction to the Biological Sciences I	(C, M, MMR)
<u>BIOL 210B</u>	Introduction to the Biological Sciences II	(C, M, MMR)
+ <u>BIOL 215</u>	Introduction to Zoology	(M)
<u>BIOL 230</u>	Human Anatomy	(C, M, MMR)
<u>BIOL 235</u>	Human Physiology	(C, M, MMR)
+ <u>BIOL 250</u>	Introduction to Botany	(M)
PSYC 260	Introduction to Physiological Psychology	(C, M, MMR)

Area 5C: Laboratory

One course (1 semester or 1 quarter unit)

	Course Subject and Number	Course Title	College
	ANTH 104	Laboratory in Biological Anthropology	(C, M, MMR)
+	ASTR 109	Practice in Observing - Laboratory	(C, M, MMR)
+	ASTR 111	Astronomy Laboratory	(C, M, MMR)
+	CHEM 100L	Fundamentals of Chemistry - Laboratory	(C, M, MMR)
+	CHEM 111L	Chemistry and Society Laboratory	(C, M)
+	CHEM 130L	Introduction to Organic & Biological Chemistry	(C, M, MMR)
+	CHEM 152L	Introduction to General Chemistry	(C, M, MMR)
	CHEM 200L	General Chemistry I	(C, M, MMR)
	CHEM 201L	General Chemistry II	(C, M, MMR)
+	CHEM 231L	Organic Chemistry I Laboratory	(C, M, MMR)
	CHEM 233L	Organic Chemistry II Laboratory	(C, M, MMR)
	GEOG 101L	Physical Geography	(C, M, MMR)
	GEOL 101	Physical Geology Laboratory	(C, M, MMR)
	GEOL 120	Earth Science Laboratory	(C, M)
+	PHYN 101	Survey of Physical Science Laboratory	(C, M)
+	PHYS 181A	General Physics Lab I	(C, M, MMR)
+	PHYS 181B	General Physics Lab II	(C, M, MMR)
	PSYC 260L	Introduction to Physiological Psychology Laboratory	(M)

Area 6: Ethnic Studies

One Course (3 semester or 4 quarter units)

Course Subject and Number	Course Title	College
AAPI 124	Introduction to Asian American and Pacific Islander Studies	(C, M, MMR)
AAPI 125	Asian American and Pacific Islander Identities and Cultures	(M)
AAPI 130	Asian American and Pacific Islander Women	(M)
BLAS 100	Introduction to Black Studies	(C, M, MMR)
BLAS 140A	African American History to Reconstruction	(C, M, MMR)
BLAS 140B	African American History since Reconstruction to the Present	(C, M, MMR)
* CHIC 110A	Introduction to Chicana and Chicano Studies	(C, M, MMR)
* CHIC 110B	Introduction to Chicana and Chicano Studies	(C, M)
FILI 100	Filipino American Experience	(M, MMR)

Other Transfer General Education Options

Overview

While Cal-GETC is the standard general education (GE) pathway for students transferring to a UC or CSU, some students may benefit from alternative GE patterns based on their major, transfer university, or personal academic goals.

It is strongly recommended students meet with a counselor to determine the best GE pathway for their transfer plan.

Students may benefit from an alternative GE pattern if they fall into one of the following categories:

1. Students entering high unit majors such as an engineering or science discipline.
 - Many science and engineering majors have extensive major preparation requirements, leaving little room for GE courses.
 - Some universities prefer or require students focus on completing major preparation courses prior to transfer.
 - Students should check the transfer university's catalog or advising materials and consult a counselor for course selection.
2. Students transferring to a private/independent or out-of-state university.
 - Some private/ independent and out-of-state universities accept Cal-GETC or an approved intersegmental lower-division general education pattern used to transfer to the University of California or the California State University, but most do not. Instead, each university has its own unique GE pattern.

- Mesa College has established articulation agreements with many private and out-of-state universities. These agreements specify the courses students can complete at Mesa to fulfill the university's GE requirements. They are available [online](#). For more information on transferring to a private/ independent or out-of-state university, visit the Transfer Center or see a counselor.
3. Students who wish to complete the general education requirements of one specific university. Some students decide to complete the GE requirements for one specific university, rather than the more universally applicable Cal-GETC, for several reasons:
- Some universities and/or majors do not accept Cal-GETC and instead suggest following the university's own GE pattern.
 - Some students know that they will attend only one university (such as those with a guarantee of transfer admission) and so plan to complete the specific GE pattern for that institution only.
 - Some university-specific GE patterns require fewer total units than Cal-GETC.

Each university's unique GE pattern can be found in the university catalog. In addition, some UC and CSU campuses have posted their unique general education patterns to the [ASSIST](#).

Additional General Education Options for Transfer

Students who have established and maintained catalog rights prior to Fall 2025 may use:

- California State University General Education Breadth (CSU-GE); or
- Intersegmental General Education Transfer Curriculum (IGETC) pattern

CSU GE Breadth is accepted by all CSU campuses and some private/independent or out-of-state universities. It is not accepted by the UC system.

IGETC is accepted by all CSU campuses and most UC campuses and majors. It is also accepted by some private/ independent or out-of-state universities.

Students may use the version of the GE pattern that was current when they began at a California community college and as it applied to their designated catalog year.

Tip: Students who plan to transfer to a four-year institution should review the Transfer Requirements section of this catalog.

Transfer Admission Guarantee (TAG)

Mesa College offers a number of Guarantee Admission Programs. Visit the [Transfer Center website](#) to schedule an appointment and learn more about program requirements. Plan early as some agreements must be submitted at least a year in advance of the transfer semester/quarter.

Transfer to Private and Independent Colleges and Universities

Transfer options are available to hundreds of Private and Independent Colleges and Universities throughout world. Admission requirements are different at each private and independent university. To establish a transfer plan, come to the Transfer Center to research and obtain transfer admissions requirements, then work with a counselor to establish a plan.

Private Colleges and Universities

Private colleges and universities operate independently of public funding, relying on tuition, endowments, and private contributions. Sometimes referred to as an "independent" institution, each private university is unique, offering specialized programs, majors, and degrees that reflect its distinct mission and focus.

Some private institutions integrate a particular religious or philosophical foundation into their academic programs, while others concentrate on specific disciplines such as the arts, technical fields, or professional studies. Many private university also cater to working adults by providing flexible continuing education and online degree options.

Private colleges are often smaller than public universities, fostering a more focused academic environment with smaller class sizes and a strong sense of community. While tuition tends to be higher, many private institutions offer generous financial aid and scholarships to make education more accessible. For more information about private colleges and universities in California, visit the [Association of Independent California Colleges and Universities \(AICC\)](#).

Historically Black Colleges and Universities (HBCU's)

Historically Black Colleges and Universities (HBCUs) were established to provide higher education opportunities for African-American students during a time when access to many institutions was limited. While HBCUs continue to have strong tradition of serving African-American students, they welcome individuals of all racial and ethnic backgrounds.

HBCUs can either be private or public institutions, with most located in the southern United States. They offer a wide range of academic programs, from undergraduate to graduate and professional degree, often with a strong emphasis on cultural heritage, leadership, and community engagement.

Students choosing an HBCU benefit from a supportive academic environment, rich traditions, and a network of alumni who have made significant contributions across various fields.

For more information on HBCUs, academic programs, and admissions, visit [HBCU's official resources](#) or explore individual campus websites.

Hispanic-Serving Institutions (HSIs)

Hispanic-Serving Institutions (HSIs) are colleges and universities committed to advancing Hispanic student success in higher education. To be designed as an HSI, at least 25% of a college or university's total student enrollment must be Hispanic. These institutions play a vital role in increasing access to higher education and providing resources tailored to the needs of Hispanic and underrepresented students.

The Hispanic Association of Colleges and Universities (HACU) is a national educational association that represents colleges and universities committed to Hispanic Higher education success in the United States (including Puerto Rico), Latin America, and Spain. Currently, there are 193 HSIs in 11 U.S. states and Puerto Rico, with 54 located in California. HSIs offer a broad range of academic programs and support services designed to enhance student achievement and career readiness.

For more information on HSIs, member institutions and available recourses, visit the [Hispanic Association of Colleges and Universities \(HACU\) website](#).

Tribal Colleges and Universities (TCUs)

Tribal Colleges and Universities (TCUs) are federally recognized institutions dedicated to serving Native American students while preserving Indigenous culture, language, and traditions. There are 35 federally recognized Tribal Colleges and Universities in the United States primarily located in the Midwest and Southwest, collectively serving approximately 30,000 full- and part-time students.

TCUs provide a range of academic programs, including two-year associate degrees in over 200 disciplines, as well as bachelor's and master's degrees. Additionally, they offer vocational certificate programs designed to support workforce development and economic growth and Native communities. Many TCUs integrate Indigenous knowledge systems into their curricula while maintaining rigorous academic standards.

For more information about TCUs, academic programs, and admissions, visit the [American Indian Higher Education Consortium \(AIHEC\) website](#).

Out-of-State Colleges and Universities

Out-of-State colleges and universities are institutions located outside of California and may be either public or private. These colleges and universities offer a wide range of academic programs, campus environments, and opportunities that may not be available within the state.

For students considering an out-of-state education, there are resources available to help navigate admissions, tuition costs, and transfer agreements. The Western Interstate Commission for Higher Education (WICHE) offers the Western Undergraduate Exchange (WUE) program, which allows eligible California residents to attend participating out-of-state colleges at a reduced tuition rate.

For more details on out-of-state colleges and transfer opportunities, visit: [WICHE](#), [Regional Admissions](#), and/or [College Source](#).

Preparation for the Major

Many majors require or recommend introductory or prerequisite courses, most of which are offered in California Community Colleges. For public universities in California, visit [ASSIST](#) for the articulation information for your major. For private/independent universities, visit the [Transfer Center website](#) under Student Services. ASSIST and HBCU Mentor are tools you can utilize to obtain information for preparation for majors.

ASSIST: ASSIST is a computerized student-transfer information system that can be accessed online. It displays reports of how course credits earned at one California college transfers to a California public university. ASSIST is the official repository of articulation for California's colleges and universities and therefore provides the most accurate and up-to-date information available about student transfer in California. Visit [ASSIST](#).

Degree Curricula and Certificate Programs

3D MODELING AND ANIMATION - CERTIFICATE OF ACHIEVEMENT: MESA

Summary

The Multimedia Program is designed to provide students of multimedia the opportunity to develop necessary foundation design skills, master software tools and processes, and experience industry standard production environments in various fields of multimedia production. The program curriculum is structured so as to provide students with a comprehensive balance of aesthetic, technological, and practical design application. Upon completion of this program, students will be qualified for entry level employment in the multimedia industry.

Learning Outcome(s): Students who complete the 3D Modeling and Animation Program will be able to:

1. Evaluate and apply appropriate technology to support specific business activities and business solutions.
2. Analyze specific business problems or situations and identify possible solutions, including predictive analysis, synthesis of information, resourcefulness, and troubleshooting.
3. Choose the appropriate mode of communication for a specific situation and then communicate ideas, concepts, and solutions through effective written and oral communication.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 21.0

MULT 201	Introduction to 3D Graphics	3.0
MULT 211	3D Modeling	3.0
MULT 213	3D Texturing and Lighting	3.0
MULT 215	3D Character Design and Development	3.0
MULT 217	3D Studio Pre-Production	3.0
ARTF 150A	Two-Dimensional Design	3.0
ARTF 155A	Freehand Drawing I	3.0

Total: 21.0

ACCOUNTING - ASSOCIATE OF SCIENCE DEGREE: MESA

Summary

Qualifies the graduate as a bookkeeper, account clerk, accounting technician, audit or tax aide, or accountant trainee. Subjects of immediate practical value enable the students to work part-time in the field while completing the curriculum. The certificate program is for students desiring early employment. Students planning to transfer to a four-year college or university as an accounting major should major in Business Administration.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Accounting Program will be able to:

1. Demonstrate basic competency in financial and managerial accounting, accounting systems. Students will also have knowledge of one of the following areas: tax, auditing and governmental and not-for profit accounting.
2. Use Quickbooks, Excel, Tax Software and/or other related tools to perform basic financial reports and management reports.
3. Be cognizant of the ethical issues facing the accounting profession and the value of being a responsible citizen.
4. Apply and utilize research skills to access, understand, and apply relevant professional accounting guidance.

- Have the necessary knowledge and skills to obtain an entry-level accounting job, transfer to bachelor or masters degree program, and/or sit for the Certified Public Accounting examination should they meet all other educational and professional requirements.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 36.0

ACCT 116A	Financial Accounting	4.0
ACCT 116B	Managerial Accounting	4.0
ACCT 150	Computer Accounting Applications	3.0
ACCT 201A	Intermediate Accounting I	3.0
ACCT 201B	Intermediate Accounting II	3.0
BUSE 100	Introduction to Business	3.0
BUSE 119	Business Communications	3.0
BUSE 140	Business Law and the Legal Environment	3.0
CISC 181	Principles of Information Systems	4.0
ECON 120	Principles of Macroeconomics	3.0
ECON 121	Principles of Microeconomics	3.0

Select one course from the following:

Units: 3.0

		3.0
ACCT 120	Federal Income Tax	3.0
OR		
ACCT 125	Government & Not-for-Profit Accounting	3.0
OR		
ACCT 135	Principles of Auditing	3.0

Total: 39.0

ACCOUNTING - CERTIFICATE OF ACHIEVEMENT: MESA

Summary

Qualifies the graduate as a bookkeeper, account clerk, accounting technician, audit or tax aide, or accountant trainee. Subjects of immediate practical value enable the student to work part-time in the field while completing the curriculum. The certificate program is for students desiring early employment. Students planning to transfer to a four-year college or university as an accounting major should major in Business Administration.

Learning Outcome(s): Students who complete the Accounting Program will be able to:

- Demonstrate basic competency in financial and managerial accounting, accounting systems. Students will also have knowledge of one of the following areas: tax, auditing and governmental and not-for profit accounting.
- Use Quickbooks, Excel, Tax Software and/or other related tools to perform basic financial reports and management reports.
- Be cognizant of the ethical issues facing the accounting profession and the value of being a responsible citizen.
- Apply and utilize research skills to access, understand, and apply relevant professional accounting guidance.
- Have the necessary knowledge and skills to obtain an entry-level accounting job, transfer to bachelor or masters degree program, and/or sit for the Certified Public Accounting examination should they meet all other educational and professional requirements.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 20.0

ACCT 116A	Financial Accounting	4.0
ACCT 116B	Managerial Accounting	4.0
ACCT 150	Computer Accounting Applications	3.0
ACCT 201A	Intermediate Accounting I	3.0
BUSE 119	Business Communications	3.0
CBTE 180	Microsoft Office	3.0

Select One Course From:

Units: 3.0

		3.0
ACCT 120	Federal Income Tax	3.0
OR		
ACCT 125	Government & Not-for-Profit Accounting	3.0
OR		
ACCT 135	Principles of Auditing	3.0
OR		
ACCT 201B	Intermediate Accounting II	3.0

Total: 23.0

ACTING - CERTIFICATE OF ACHIEVEMENT: MESA

Summary

The Acting Certificate of Achievement provides comprehensive training for students interested in the craft of acting within the discipline of Dramatic Arts. Students will focus study on developing the physical and vocal tools necessary to the actor as well as the techniques necessary for success in the profession. Curriculum promotes skills in play script analysis, acting technique, physical and vocal exploration, audition technique, and rehearsal and performance practice. This program is designed to provide students with the essential skills that will help them succeed in the field of acting for theatre, film and television.

Learning Outcome(s): Students who complete the Acting Program will be able to:

1. Analyze and articulate the ideas and questions posited by the experience and study of theatre and film.
2. Expand their knowledge of the world and society through the engagement of dramatic arts.
3. Contribute effectively in the creative collaborative process.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 10.0-12.0

DRAM 112	Introduction to Script Analysis	3.0
DRAM 124	Makeup for the Stage	3.0
DRAM 132	Beginning Acting	3.0
DRAM 268	Experimental Theatre	1.0-3.0

Choose nine units from the following:

Units: 9.0

DRAM 106	Voice-Over Performance	3.0
DRAM 107	Study of Filmed Plays	3.0
DRAM 114A	Digital Storytelling I	3.0
DRAM 119	Film and Television Performance	3.0
DRAM 133	Intermediate Acting	3.0
DRAM 134	Beginning Voice for Actors	3.0
DRAM 165	Introduction to Stage Movement	3.0

DRAM 205	The American Musical on Stage and Screen	3.0
DRAM 244A	Theatre Workshop I	1.0-2.0
DRAM 244B	Theatre Workshop II	1.0-2.0

Total: 19.0-21.0

ALLIED HEALTH TRACK - ASSOCIATE OF SCIENCE DEGREE: MESA

Summary

Consult the Nursing Education faculty (City College) or a counselor to verify current course requirements for associate degree and baccalaureate nursing program preparation.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Allied Health Track Program will be able to:

1. Think critically, developing the skills to ask vital questions and solve biological problems by applying the Scientific Method.
2. Demonstrate the ability to report and/or explain scientific information appropriately.
3. Investigate biological questions using appropriate tools and techniques.
4. Demonstrate environmental awareness by recognizing the importance of interconnections among living organisms, including people, and their environments.
5. Come prepared for class and complete assigned work thoughtfully

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 21.0

		4.0
BIOL 107	General Biology-Lecture and Laboratory	4.0
OR		
BIOL 210A	Introduction to the Biological Sciences I	4.0
BIOL 205	General Microbiology	5.0
BIOL 230	Human Anatomy	4.0
BIOL 235	Human Physiology	4.0
		3.0
CHEM 100	Fundamentals of Chemistry	3.0
OR		
CHEM 152	Introduction to General Chemistry	3.0
		1.0
CHEM 100L	Fundamentals of Chemistry Laboratory	1.0
OR		
CHEM 152L	Introduction to General Chemistry Laboratory	1.0

Total: 21.0

AMERICAN SIGN LANGUAGE STUDIES - ASSOCIATE OF ARTS DEGREE: MESA

Summary

The American Sign Language Studies and the American Sign Language - English Interpretation programs offer students a variety of certificate and degree options designed to prepare them for transfer to four-year institutions as well as for deafness-related careers in the public and private sectors.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the American Sign Language Studies Program will be able to:

1. Accurately interpret between ASL and English in a variety of settings: face-to-face, small group settings, monologue and/or large group settings.
2. Develop knowledge and awareness of the differences between the Deaf Culture/deaf community and the hearing community.
3. Develop receptive and expressive skills in American Sign Language and Fingerspelling.
4. Apply professional standards, practices, and ethics, not limited to the tenets of the Code of Professional Conduct, to their work.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 32.0

AMSL 120	American Sign Language Level I	5.0
AMSL 121	American Sign Language Level II	5.0
AMSL 150	Introduction to Deaf Culture	3.0
AMSL 155	Implications of Deafness	3.0
AMSL 214	American Sign Language Fingerspelled Signs	3.0
AMSL 220	American Sign Language Level III	5.0
AMSL 221	American Sign Language Level IV	5.0
AMSL 225	Introduction to Linguistics of American Sign Language	3.0

Total: 32.0

AMERICAN SIGN LANGUAGE STUDIES - CERTIFICATE OF ACHIEVEMENT: MESA

Summary

The American Sign Language Studies and the American Sign Language - English Interpretation programs offer students a variety of certificate and degree options designed to prepare them for transfer to four-year institutions as well as for deafness-related careers in the public and private sectors.

Learning Outcome(s): Students who complete the American Sign Language Studies Program will be able to:

1. Accurately interpret between ASL and English in a variety of settings: face-to-face, small group settings, monologue and/or large group settings.
2. Develop receptive and expressive skills in American Sign Language and Fingerspelling.
3. Apply professional standards, practices, and ethics, not limited to the tenets of the Code of Professional Conduct, to their work.
4. Develop knowledge and awareness of the differences between the Deaf Culture/deaf community and the hearing community

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 32.0

AMSL 120	American Sign Language Level I	5.0
AMSL 121	American Sign Language Level II	5.0

AMSL 150	Introduction to Deaf Culture	3.0
AMSL 155	Implications of Deafness	3.0
AMSL 214	American Sign Language Fingerspelled Signs	3.0
AMSL 220	American Sign Language Level III	5.0
AMSL 221	American Sign Language Level IV	5.0
AMSL 225	Introduction to Linguistics of American Sign Language	3.0

Total: 32.0

ANTHROPOLOGY - ASSOCIATE IN ARTS FOR TRANSFER DEGREE

Summary

The Associate in Arts in Anthropology for Transfer Degree is intended for students who plan to complete a bachelor's degree in Anthropology or a related major in the California State University (CSU) system. It is accepted by some but not all CSU campuses. Students who complete this degree and transfer to a participating CSU campus will be required to complete no more than 60 units after transfer to earn a bachelor's degree. It may not be appropriate preparation for students transferring to a CSU campus that does not accept the degree.

NOTE: Students intending to transfer into this major at a CSU should consult with a counselor and visit www.assist.org for guidance on appropriate transfer coursework.

Award Notes:

The following is required for all AA-T or AS-T degrees:

- Completion of 60 semester units that are eligible for transfer to the California State University
- Completion of a minimum of 18 semester units in an "AA-T" or "AS-T" major.
- Minimum grade point average (GPA) of at least 2.0 in all CSU-transferable coursework. While a minimum of 2.0 is required for admission, some CSU campuses and majors may require a higher GPA. Please see a counselor for more information.
- Minimum grade of "C" or "P" or better for each course in the major. Students should review the Pass/No Pass acceptance policy of the transfer institution prior to requesting this grade option.
- Certified completion of the California General Education Transfer Curriculum (Cal-GETC) pattern.

Learning Outcome(s): Students who complete the Anthropology Program will be able to:

1. Use an anthropological framework to think critically in reading, writing, and/or speaking, thereby interpreting relevant problems, theses, arguments and evidence to draw and defend rational conclusions.
2. Effectively communicate employing anthropological perspectives while recognizing and respecting potential differences in worldview.
3. Articulate the varieties of biological and cultural adaptations and demonstrate an understanding of cultural diversity.
4. Articulate ability to understand one's role in local and global society, take responsibility for one's own actions, and make ethical decisions in complex situations.
5. Collect data and engage with research through appropriate use of an array of scholarly sources and through discipline specific technologies and frameworks.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 9.0

ANTH 102	Introduction to Biological Anthropology	3.0
ANTH 103	Introduction to Cultural Anthropology	3.0
ANTH 107	Introduction to Archaeology	3.0

Category A: Select one of the following courses (3 units):

Units: 3.0

ENGL 202	Introduction to Linguistics	3.0
		3.0
STAT C1000	Introduction to Statistics	3.0
OR		
PSYC 258	Behavioral Science Statistics	3.0

Category B: Select one or two of the following courses, or any course not selected in Category A (3-5 units):

Units: 3.0-5.0

BIOL 230	Human Anatomy	4.0
		4.0
GEOL 100	Physical Geology	3.0
AND		
GEOL 101	Physical Geology Laboratory	1.0
		4.0
GEOL 104	Earth Science	3.0
AND		
GEOL 120	Earth Science Laboratory	1.0
GISG 104	Geographic Information Science and Spatial Reasoning	3.0
PHIL 112	Philosophy of Science	3.0
		3.0
PSYC 255	Introduction to Psychological Research	3.0
OR		
SOCO 220	Introduction to Research Methods in Sociology	3.0

Category C: Select One or Two of the Following Courses (3 units):

Units: 3.0

ANTH 104	Laboratory in Biological Anthropology	1.0
ANTH 117	Anthropology of Gender and Sexuality	3.0
ANTH 130	Bones: Human Osteology	3.0
ANTH 140	Primatology	3.0
ANTH 205	Introduction to Medical Anthropology	3.0
ANTH 215	Cultures of Latin America	3.0

Total: 18.0-20.0

ANTHROPOLOGY - ASSOCIATE OF ARTS DEGREE

Summary

The Associate of Arts Degree in Anthropology provides students with a unique understanding of humanity through the examination of the variation of human social lives, cultures and biology across the globe. The Associate of Arts Degree in Anthropology is well-suited for students who wish to transfer and major or minor in anthropology or related areas.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Anthropology Program will be able to:

1. Use an anthropological framework to think critically in reading, writing, and/or speaking, thereby interpreting relevant problems, theses, arguments and evidence to draw and defend rational conclusions.
2. Effectively communicate employing anthropological perspectives while recognizing and respecting potential differences in worldview

3. Articulate the varieties of biological and cultural adaptations and demonstrate an understanding of cultural diversity.
4. Articulate ability to understand one's role in local and global society, take responsibility for one's own actions, and make ethical decisions in complex situations.
5. Collect data and engage with research through appropriate use of an array of scholarly sources and through discipline-specific technologies and frameworks.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 9.0

ANTH 102	Introduction to Biological Anthropology	3.0
ANTH 103	Introduction to Cultural Anthropology	3.0
ANTH 107	Introduction to Archaeology	3.0

Select a minimum of nine units from the following:

Units: 9.0

ANTH 104	Laboratory in Biological Anthropology	1.0
ANTH 110	Anthropology of Magic, Witchcraft, and Religion	3.0
ANTH 117	Anthropology of Gender and Sexuality	3.0
ANTH 130	Bones: Human Osteology	3.0
ANTH 140	Primatology	3.0
ANTH 205	Introduction to Medical Anthropology	3.0
ANTH 215	Cultures of Latin America	3.0

Total: 18.0

APPLIED MATHEMATICS - ASSOCIATE OF ARTS DEGREE: MESA

Summary

Successful completion of this curriculum will develop competence in mathematics through differential and integral calculus, providing an adequate background for employment in many technological and scientific areas as well as providing a firm foundation for students planning advanced study.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Applied Mathematics Program will be able to:

1. Apply appropriate mathematical definitions, properties, techniques and/or technology to a variety of problem-solving situations.
2. Demonstrate knowledge of the interrelatedness of several mathematical concepts.
3. Demonstrate the ability to communicate mathematical reasoning, both in the context of solving a problem and in the reasonableness of a solution.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 19.0

MATH 150	Calculus with Analytic Geometry I	5.0
MATH 151	Calculus with Analytic Geometry II	4.0
MATH 245	Discrete Mathematics	3.0
MATH 252	Calculus with Analytic Geometry III	4.0
MATH 254	Introduction to Linear Algebra	3.0

Choose two courses from the following:

Units: 6.0-10.0

CISC 150	Introduction to Computer and Information Sciences	3.0
MATH 118	Math for the Liberal Arts Student	3.0
STAT C1000	Introduction to Statistics	3.0
MATH 255	Differential Equations	3.0
PSYC C1000	Introduction to Psychology	3.0
PHYS 195	Mechanics	5.0
PHYS 196	Electricity and Magnetism	5.0
PHYS 125	General Physics	5.0
PHYS 126	General Physics II	5.0

Total: 25.0-29.0

AQUATICS - CERTIFICATE OF ACHIEVEMENT: MESA

Summary

The Certificate of Achievement in Aquatics offers comprehensive curriculum designed to provide practical and theoretical training for students interested in careers in the Aquatics industry. In addition, this program offers lower division theory courses to prepare the student for transfer to a fouryear institution as a kinesiology major.

Notes:

A "C" or better must be achieved in all required courses and electives in order to receive a certificate of achievement.

Learning Outcome(s): Students who complete the Aquatics Program will be able to:

1. Apply core critical thinking skills of analysis, interpretation, evaluation, and explanation in the development of al and fitness plans and the acquisition of skill development, including proper techniques, physiological principles and kinesthetic awareness.
2. Demonstrate effective and sensitive verbal, non-verbal and written communication skill.
3. Value and implement physical fitness activities, wellness strategies and principles in support of a healthy lifestyle.
4. Display the attributes of sportsmanship and teamwork as it pertains to physical education and athletic competition.
5. Utilize current technology to research and compile information in health and wellness, human performance and athletic competition

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 15.0

EXSC 241B	Introduction to Kinesiology	3.0
EXSC 118	Lifeguard Training	3.0
EXSC 119	Water Safety Instructor	3.0
		3.0
EXSC 242B	Care and Prevention of Injuries	3.0
OR		
HEAL 131	Emergency Medical Response	3.0
COMS 135	Interpersonal Communication	3.0

Select 3 units (1 course) from Business.

Units: 3.0

		3.0
BUSE 129	Introduction to Entrepreneurship	3.0

OR		
BUSE 155	Small Business Management	3.0
OR		
BUSE 201	Business Organization and Management	3.0

Select .5 - 1 unit (1 course) from swimming.

Units: 0.5-1.0

		0.5-1.0
EXSC 113A	Swimming I	0.5-1.0
OR		
EXSC 113B	Swimming II	0.5-1.0
OR		
EXSC 113C	Swimming III	0.5-1.0
OR		
EXSC 113D	Swimming IV	0.5-1.0

Select .5 - 1 unit (1 course) from aquatic fitness.

Units: 0.5-1.0

		0.5-1.0
EXSC 114A	Aquatic Fitness I	0.5-1.0
OR		
EXSC 114B	Aquatic Fitness II	0.5-1.0
OR		
EXSC 114C	Aquatic Fitness III	0.5-1.0
OR		
EXSC 114D	Aquatic Fitness IV	0.5-1.0
OR		
EXSC 116A	Stand Up Paddle Boarding	1.0
OR		
EXSC 116B	Kayaking	1.0

Select .5 - 1 unit (1 course) from surfing.

Units: 0.5-1.0

		0.5-1.0
EXSC 110A	Surfing I	0.5-1.0
OR		
EXSC 110B	Surfing II	0.5-1.0
OR		
EXSC 110C	Surfing III	0.5-1.0
OR		
EXSC 110D	Surfing IV	0.5-1.0

Total: 19.5-21.0

AQUATICS - CERTIFICATE OF PERFORMANCE: MESA

Summary

The Certificate of Performance in Aquatics offers comprehensive curriculum designed to provide practical and theoretical training for students interested in careers in the Aquatics industry. In addition, this program offers lower division theory courses to prepare the student for transfer to a four-year institution as a kinesiology major.

A "C" or better must be achieved in all required courses and electives in order to receive a certificate of performance.

Award Notes:

A Certificate of Performance is a departmental award that does not appear on the student's transcript. All courses must be completed within the San Diego Community College District.

This program is not eligible for federal financial aid in accordance with Federal regulations.

Learning Outcome(s): Students who complete the Aquatics Program will be able to:

1. Apply core critical thinking skills of analysis, interpretation, evaluation, and explanation in the development of al and fitness plans and the acquisition of skill development, including proper techniques, physiological principles and kinesthetic awareness.
2. Demonstrate effective and sensitive verbal, non-verbal and written communication skill.
3. Value and implement physical fitness activities, wellness strategies and principles in support of a healthy lifestyle.
4. Display the attributes of sportsmanship and teamwork as it pertains to physical education and athletic competition.
5. Utilize current technology to research and compile information in health and wellness, human performance and athletic competition.

Requirements

COURSES REQUIRED FOR THE MAJOR:		Units: 3.0
EXSC 118	Lifeguard Training	3.0

Select 3 units from the following:		Units: 3.0
EXSC 119	Water Safety Instructor	3.0
EXSC 242B	Care and Prevention of Injuries	3.0
HEAL 131	Emergency Medical Response	3.0

Select 3 units from the following:		Units: 3.0
EXSC 113A	Swimming I	0.5-1.0
EXSC 113B	Swimming II	0.5-1.0
EXSC 113C	Swimming III	0.5-1.0
EXSC 113D	Swimming IV	0.5-1.0
EXSC 114A	Aquatic Fitness I	0.5-1.0
EXSC 114B	Aquatic Fitness II	0.5-1.0
EXSC 114C	Aquatic Fitness III	0.5-1.0
EXSC 114D	Aquatic Fitness IV	0.5-1.0
EXSC 110A	Surfing I	0.5-1.0
EXSC 110B	Surfing II	0.5-1.0
EXSC 110C	Surfing III	0.5-1.0
EXSC 110D	Surfing IV	0.5-1.0
EXSC 116A	Stand Up Paddle Boarding	1.0
EXSC 116B	Kayaking	1.0
EXSC 218	Intercollegiate Swimming I	2.0-3.5
EXSC 219	Intercollegiate Swimming II	2.0-3.5
EXSC 226	Intercollegiate Water Polo I	2.0-3.5
EXSC 227	Intercollegiate Water Polo II	2.0-3.5

Total: 9.0

ARCHITECTURE DESIGN - ASSOCIATE OF SCIENCE DEGREE: MESA

Summary

The Architecture Design Associate of Science Degree highlights issues of sustainability, environmental sensitivity, site planning and advanced graphic presentation skill.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Architecture Design Program will be able to:

1. Think independently, creatively, logically and critically in a problem/project based curriculum that requires applying complex problem-solving methods.
2. Resolve programmatic, spatial, social, political, engineering and sustainable design issues while developing rational, personal, creative and individual problem and design solutions.
3. Write about, speak about, and/or graphically articulate solutions to design problems and the processes of arriving at these solutions to faculty, visiting critics, and fellow students.
4. Respond appropriately in a variety of methods, including, but not limited to, a combination of written assignments and analysis, programmatic issues, design projects, non-digital and digital assignments, written tests and quizzes.
5. Demonstrate the ability to work both independently and collaboratively.
6. Develop a greater sense of self-awareness.
7. Develop cultural sensitivity and interpersonal skills while participating in team projects, roleplaying, and workplace scenarios.
8. Demonstrate knowledge of global issues and an awareness of global, national and local concerns from multiple perspectives.
9. Develop an awareness, respect and appreciation for the diversity of individuals through the evaluation and integration of programmatic issues, design issues, historical issues, and political, cultural and social perspectives that are international in scope, including issues of diversity, equity, sustainability and environmental sensitivity
10. Gather, analyze, evaluate and disseminate information using multiple means of expression including, but not limited to written assignments and analysis, design projects, non-digital and digital assignments and presentation techniques.
11. Demonstrate an awareness of current technology through the use of state-of-the-art equipment and software including, but not limited to, computers, scanners, plotters, printers, copiers, digital projectors, laser engravers and 3D model making technologies including current editions of software utilized in the profession.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 41.0

ARCH 100	Graphic Design Communication I	2.0
ARCH 103	Introduction to Architecture and Environmental Design	3.0
		3.0
ARCH 126	History of Ancient World Architecture	3.0
OR		
ARCH 127	History of World Architecture: Renaissance Through Contemporary	3.0
ARCH 170	Architectural Design	4.0
ARCH 172	Architectural Design II	4.0
ARCH 173	Architectural Site Design: Creating Exterior Spaces	4.0
ARCH 175	Advanced Architectural Design I	5.0
ARCH 180A	Advanced Architectural Design IIA	5.0
ARCH 220	Graphic Design Communication II	2.0
ARCH 221	Graphic Design Communication III	2.0
ARCH 226	Architectural Theory	3.0
ARCH 231	Sustainability in the Built Environment	4.0

Total: 41.0

ARCHITECTURE TECHNICIAN - ASSOCIATE OF SCIENCE DEGREE: MESA

Summary

This award addresses the need for the students' awareness of current technology through the use of state-of-the-art equipment and software. These include, but are not limited to, computers, scanners, plotters, printers, copiers, digital projectors, laser engravers and 3D model making technologies; as well as current editions of software utilized in the profession and in colleges and universities.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Architecture Technician Program will be able to:

1. Think independently, creatively, logically and critically in a problem/project based curriculum that requires applying complex problem-solving methods.
2. Resolve programmatic, spatial, social, political, engineering and sustainable design issues while developing rational, personal, creative and individual problem and design solutions.
3. Write about, speak about, and/or graphically articulate solutions to design problems and the processes of arriving at these solutions to faculty, visiting critics, and fellow students.
4. Respond appropriately in a variety of methods, including, but not limited to, a combination of written assignments and analysis, programmatic issues, design projects, non-digital and digital assignments, written tests and quizzes.
5. Demonstrate the ability to work both independently and collaboratively.
6. Develop a greater sense of self-awareness.
7. Develop cultural sensitivity and interpersonal skills while participating in team projects, roleplaying, and workplace scenarios.
8. Demonstrate knowledge of global issues and an awareness of global, national and local concerns from multiple perspectives.
9. Develop an awareness, respect and appreciation for the diversity of individuals through the evaluation and integration of programmatic issues, design issues, historical issues, and political, cultural and social perspectives that are international in scope, including issues of diversity, equity, sustainability and environmental sensitivity
10. Gather, analyze, evaluate and disseminate information using multiple means of expression including, but not limited to written assignments and analysis, design projects, non-digital and digital assignments and presentation techniques.
11. Demonstrate an awareness of current technology through the use of state-of-the-art equipment and software including, but not limited to, computers, scanners, plotters, printers, copiers, digital projectors, laser engravers and 3D model making technologies including current editions of software utilized in the profession.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 30.0

ARCH 100	Graphic Design Communication I	2.0
ARCH 101	Archicad	3.0
ARCH 103	Introduction to Architecture and Environmental Design	3.0
ARCH 107	Revit	3.0
ARCH 112	AutoCAD	3.0
ARCH 113	Rhino for Architecture	3.0
ARCH 130	Materials of Construction	3.0
ARCH 141	Professional Practice in Architecture	4.0
BLDC 55	Construction Plan Reading	3.0
BLDC 70	Building Codes and Zoning	3.0

Total: 30.0

ARCHITECTURE: UNIVERSITY TRACK - ASSOCIATE OF SCIENCE DEGREE: MESA

Summary

The Architecture University Transfer Track Associate of Science Degree prepares students for transfer to a college or university level bachelor degree program in architecture. Emphasis is placed on architectural design and graphic presentation skills as well as the need for the student to achieve a level of critical thinking, communication, global consciousness and information and technological literacy skills required to achieve success in matriculating to a college or university architecture program of their choosing.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Architecture: University Track Program will be able to:

1. Resolve programmatic, spatial, social, political, engineering and sustainable design issues while developing rational, personal, creative and individual problem and design solutions.
2. Think independently, creatively, logically and critically in a problem/project based curriculum that requires applying complex problem-solving methods.
3. Write about, speak about, and/or graphically articulate solutions to design problems and the processes of arriving at these solutions to faculty, visiting critics, and fellow students.
4. Respond appropriately in a variety of methods, including, but not limited to, a combination of written assignments and analysis, programmatic issues, design projects, non-digital and digital assignments, written tests and quizzes.
5. Demonstrate the ability to work both independently and collaboratively.
6. Develop a greater sense of self-awareness.
7. Develop cultural sensitivity and interpersonal skills while participating in team projects, roleplaying, and workplace scenarios.
8. Demonstrate knowledge of global issues and an awareness of global, national and local concerns from multiple perspectives.
9. Develop an awareness, respect and appreciation for the diversity of individuals through the evaluation and integration of programmatic issues, design issues, historical issues, and political, cultural and social perspectives that are international in scope, including issues of diversity, equity, sustainability and environmental sensitivity.
10. Gather, analyze, evaluate and disseminate information using multiple means of expression including, but not limited to written assignments and analysis, design projects, non-digital and digital assignments and presentation techniques.
11. Demonstrate an awareness of current technology through the use of state-of-the-art equipment and software including, but not limited to, computers, scanners, plotters, printers, copiers, digital projectors, laser engravers and 3D model making technologies including current editions of software utilized in the profession.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 35.0

ARCH 101	Archicad	3.0
ARCH 126	History of Ancient World Architecture	3.0
ARCH 127	History of World Architecture: Renaissance Through Contemporary	3.0
ARCH 130	Materials of Construction	3.0
ARCH 170	Architectural Design	4.0
ARCH 172	Architectural Design II	4.0
ARCH 175	Advanced Architectural Design I	5.0
ARCH 180A	Advanced Architectural Design IIA	5.0
ARCH 220	Graphic Design Communication II	2.0
ARCH 226	Architectural Theory	3.0

ART HISTORY - ASSOCIATE IN ARTS FOR TRANSFER DEGREE: MESA

Summary

The Associate in Arts in Art History for Transfer is intended for students who plan to complete a bachelor's degree in Art History or a related major in the California State University (CSU) system. It is accepted by some but not all CSU campuses. Students who complete this degree and transfer to a participating CSU campus will be required to complete no more than 60 units after transfer to earn a bachelor's degree. It may not be appropriate preparation for students transferring to a CSU campus that does not accept the degree. Students who plan to complete this degree should consult a counselor for additional information about participating CSU campuses as well as university admission, degree, and transfer requirements.

NOTE: Students intending to transfer into this major at a CSU should consult with a counselor and visit www.assist.org for guidance on appropriate transfer coursework.

Award Notes:

The following is required for all AA-T or AS-T degrees:

- Completion of 60 semester units that are eligible for transfer to the California State University
- Completion of a minimum of 18 semester units in an "AA-T" or "AS-T" major.
- Minimum grade point average (GPA) of at least 2.0 in all CSU-transferable coursework. While a minimum of 2.0 is required for admission, some CSU campuses and majors may require a higher GPA. Please see a counselor for more information.
- Minimum grade of "C" or "P" or better for each course in the major. Students should review the Pass/No Pass acceptance policy of the transfer institution prior to requesting this grade option.
- Certified completion of the California General Education Transfer Curriculum (Cal-GETC) pattern.

Learning Outcome(s): Students who complete the Art History Program will be able to:

1. Expand the vision of the role of art in the greater culture.
2. Develop an awareness of cultural diversity (and its use/effect on art-making).
3. Engage visual art as defined in a progression of change.
4. Apply critical thinking in visual terms.
5. Employ art concepts and terminology effectively.
6. Understand the creative process of art-making.
7. Understand materials, methods and techniques both historical and contemporary and the contexts in which they are employed. Students will be assessed through a combination of performance evaluations, written assignments, and written tests and quizzes.

Requirements

COURSES REQUIRED FOR THE MAJOR:		Units: 9.0
ARTF 110	Art History: Prehistoric to Gothic	3.0
ARTF 111	Art History: Renaissance to Modern	3.0
ARTF 155A	Freehand Drawing I	3.0
CATEGORY A: SELECT ONE OF THE FOLLOWING COURSES (3 UNITS):		Units: 3.0
ARTF 113	Arts of Africa, Oceania, and the Americas	3.0
ARTF 115	African Art	3.0
ARTF 120	Native American Art	3.0
ARTF 125	Art History: Arts of the Asian Continent	3.0
ARTF 130	Pre-Columbian Art	3.0
CATEGORY B: SELECT ONE OF THE FOLLOWING COURSES, OR ANY COURSE NOT SELECTED IN CATEGORY A:		Units: 3.0

ARTF 150A	Two-Dimensional Design	3.0
ARTF 151	Three-Dimensional Design	3.0
ARTF 165A	Composition in Painting I	3.0
ARTF 175A	Sculpture I	3.0
ARTF 190A	Black and White Art Photography	3.0
ARTF 191	Cultural Influences on Photography	3.0
ARTF 194	Critical Photography	3.0
ARTF 195A	Ceramics I	3.0
ARTF 197A	Handbuilding Ceramics I	3.0
ARTF 198A	Introduction to Printmaking I	3.0
ARTF 198B	Introduction to Printmaking II	3.0
ARTF 198C	Introduction to Printmaking III	3.0
ARTF 210A	Life Drawing I	3.0
ARTF 231	Introduction to Digital Art	3.0
ARTF 232	Introduction to Digital Drawing and Painting	3.0
ARTF 233	Introduction to Digital Photographic Imaging	3.0

CATEGORY C: SELECT ONE OF THE FOLLOWING COURSES, OR ANY COURSE NOT SELECTED IN CATEGORY A OR B (3 UNITS):

Units: 3.0

ARTF 107	Contemporary Art	3.0
ARTF 109	Modern Art	3.0
BLAS 110	African American Art	3.0
CHIC 230	Chicano Art	3.0

Total: 18.0

ASL-ENGLISH INTERPRETATION - ASSOCIATE OF ARTS DEGREE

Summary

The American Sign Language (ASL) Studies and the ASL–English Interpretation programs offer students a variety of certificate and degree options designed to prepare them for transfer to four-year institutions as well as for deafness-related careers in the public and private sectors.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the ASL-English Interpretation Program will be able to:

1. Develop receptive and expressive skills in American Sign Language and Fingerspelling.
2. Develop knowledge and awareness of the differences between the Deaf Culture/deaf community and the hearing community.
3. Accurately interpret between ASL and English in a variety of settings: face-to-face, small group settings, monologue and/or large group settings.
4. Apply professional standards, practices, and ethics, not limited to the tenets of the Code of Professional Conduct, to their work.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 37.0

AMSL 150	Introduction to Deaf Culture	3.0
AMSL 155	Implications of Deafness	3.0
AMSL 214	American Sign Language Fingerspelled Signs	3.0
AMSL 225	Introduction to Linguistics of American Sign Language	3.0

AMSL 230	Interpretation I	4.0
AMSL 235	Professional Aspects of Interpretation	3.0
AMSL 240	Interpretation II	4.0
AMSL 245	Specialized Settings in Interpretation	3.0
AMSL 250	Interpretation III	4.0
AMSL 255	Interpretation IV	4.0
AMSL 276	Field Work in Interpretation	3.0

Total: 37.0

ASL-ENGLISH INTERPRETATION - CERTIFICATE OF ACHIEVEMENT

Summary

The American Sign Language (ASL) Studies and the ASL–English Interpretation programs offer students a variety of certificate and degree options designed to prepare them for transfer to four-year institutions as well as for deafness-related careers in the public and private sectors.

Learning Outcome(s): Students who complete the ASL-English Interpretation Program will be able to:

1. Develop receptive and expressive skills in American Sign Language and Fingerspelling.
2. Develop knowledge and awareness of the differences between the Deaf Culture/deaf community and the hearing community.
3. Accurately interpret between ASL and English in a variety of settings: face-to-face, small group settings, monologue and/or large group settings.
4. Apply professional standards, practices, and ethics, not limited to the tenets of the Code of Professional Conduct, to their work.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 37.0

AMSL 150	Introduction to Deaf Culture	3.0
AMSL 155	Implications of Deafness	3.0
AMSL 214	American Sign Language Fingerspelled Signs	3.0
AMSL 225	Introduction to Linguistics of American Sign Language	3.0
AMSL 230	Interpretation I	4.0
AMSL 235	Professional Aspects of Interpretation	3.0
AMSL 240	Interpretation II	4.0
AMSL 245	Specialized Settings in Interpretation	3.0
AMSL 250	Interpretation III	4.0
AMSL 255	Interpretation IV	4.0
AMSL 276	Field Work in Interpretation	3.0

Total: 37.0

ASSISTANT TEACHER - CERTIFICATE OF PERFORMANCE: MESA

Summary

This Certificate of Performance prepares students to assist in the instruction of children under the supervision of an Associate Teacher or higher instructor.

Award Notes:

A Certificate of Performance is a departmental award that does not appear on the student's transcript. All courses

must be completed within the San Diego Community College District.

This program is not eligible for federal financial aid in accordance with Federal regulations.

Learning Outcome(s): Students who complete the Child Development Assistant Teacher Program will be able to:

1. Develop the ability to anticipate, recognize, and successfully work with various learning styles and abilities of children with varying needs.
2. Work in a collaborative environment to promote respect of others opinions and prospective and demonstrate cultural pluralism.
3. Demonstrate the knowledge and skills to meet the state of California licensing requirements for working in careers in Early Childhood Education and Development.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 6.0

CHIL 101	Human Growth and Development	3.0
CHIL 180	Nutrition, Health, and Safety for Children	3.0

Total: 6.0

BAKING AND PASTRY - CERTIFICATE OF ACHIEVEMENT: MESA

Summary

Students perform fundamental and advanced baking and pastry skills. This certificate is an advanced certificate with emphasis on developing pastry chef and baker skills. The courses focus on the academic and practical skills required to prepare baked goods in any professional culinary setting.

Award Note:

This program is not eligible for federal financial aid in accordance with Federal regulations.

Learning Outcome(s): Students who complete the Baking and Pastry Program will be able to:

1. Demonstrate academic and practical knowledge of food flavorings and seasoning of common national and international cuisines.
2. Proficiently use all basic culinary equipment including large equipment to hand tools.
3. Demonstrate all knowledge necessary to produce food in a safe and sanitary fashion for public consumption.
4. Explain the relationship between purchasing, receiving, storage, production and cost of goods sold.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 14.0

CACM 102	Sanitation	2.0
CACM 160	Fundamental of Baking Theory	3.0
CACM 212	Baking and Pastry	3.0
CACM 214	Advanced Baking	3.0
CACM 215	Advanced Pastry	3.0

Total: 14.0

BIOLOGY - ASSOCIATE OF SCIENCE: MESA

Summary

Program Description

Biology is a natural science that focuses on physical and chemical processes of living organisms. This discipline explores how organisms acquire and use energy to maintain homeostasis, how they reproduce, and how they

interact with each other and their environment. Scientific processes are emphasized as a means of answering these biological questions. Biologists rely heavily on a chemistry foundation since living organisms are chemical systems.

The Biology program serves three areas of study. Biology provides a broad background of studies for the biology major preparing for transfer to a four-year institution. The biology program offers support courses in human anatomy, human physiology, and general microbiology which may be used to satisfy prerequisites for nursing programs and other allied health fields. The biology program provides courses in natural science to fulfill general education requirements.

The three associate degrees in biology require completion of the courses listed below. Additional general education and graduation requirements for the associate degree are listed in the catalog. The Associate Degree requires a minimum of 60 units.

Award Description

This degree is for students who plan to transfer to a four yr college or university. Students who plan to transfer to CSU should see a counselor to explore the most appropriate degree option.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Biology Program will be able to:

1. Demonstrate the ability to report and/or explain scientific information appropriately
2. Think critically, developing the skills to ask vital questions and solve biological problems by applying the Scientific Method.
3. Investigate biological questions using appropriate tools and techniques.
4. Demonstrate environmental awareness by recognizing the importance of interconnections among living organisms, including people, and their environments.
5. Come prepared for class and complete assigned work thoughtfully.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 23.0-24.0

BIOL 210A	Introduction to the Biological Sciences I	4.0
BIOL 210B	Introduction to the Biological Sciences II	4.0
CHEM 200	General Chemistry I - Lecture	3.0
CHEM 200L	General Chemistry I - Laboratory	2.0
CHEM 201	General Chemistry II - Lecture	3.0
CHEM 201L	General Chemistry II - Laboratory	2.0
		5.0-6.0
		6.0
MATH 121	Basic Techniques of Applied Calculus I	3.0
AND		
MATH 122	Basic Techniques of Calculus II	3.0
OR		
MATH 150	Calculus with Analytic Geometry I	5.0

Total: 23.0-24.0

BIOLOGY - ASSOCIATE IN SCIENCE FOR TRANSFER DEGREE

Summary

The Associate in Science in Biology for Transfer is intended for students who plan to complete a bachelor's degree in Biology or a related major in the California State University (CSU) system. It is accepted by some but not all CSU campuses. Students who complete this degree and transfer to a participating CSU campus will be required to

complete no more than 60 units after transfer to earn a bachelor's degree. It may not be appropriate preparation for students transferring to a CSU campus that does not accept the degree.

Award Notes:

The following is required for all AA-T or AS-T degrees:

- Completion of 60 semester units that are eligible for transfer to the California State University
- Completion of a minimum of 18 semester units in an "AA-T" or "AS-T" major.
- Minimum grade point average (GPA) of at least 2.0 in all CSU-transferable coursework. While a minimum of 2.0 is required for admission, some CSU campuses and majors may require a higher GPA. Please see a counselor for more information.
- Minimum grade of "C" or "P" or better for each course in the major. Students should review the Pass/No Pass acceptance policy of the transfer institution prior to requesting this grade option.
- Certified completion of the California General Education Transfer Curriculum (Cal-GETC) pattern.

Learning Outcome(s): Students who complete the Biology Program will be able to:

1. Think critically, developing the skills to ask vital questions and solve biological problems by applying the Scientific Method.
2. Demonstrate the ability to report and/or explain scientific information appropriately.
3. Investigate biological questions using appropriate tools and techniques.
4. Demonstrate environmental awareness by recognizing the importance of interconnections among living organisms, including people, and their environments.
5. Come prepared for class and complete assigned work thoughtfully.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 31.0-33.0

BIOL 210A	Introduction to the Biological Sciences I	4.0
BIOL 210B	Introduction to the Biological Sciences II	4.0
CHEM 200	General Chemistry I - Lecture	3.0
CHEM 200L	General Chemistry I - Laboratory	2.0
CHEM 201	General Chemistry II - Lecture	3.0
CHEM 201L	General Chemistry II - Laboratory	2.0
<i>Select 3-5 units from the following courses</i>		3.0-5.0
MATH 121	Basic Techniques of Applied Calculus I	3.0
OR		
MATH 150	Calculus with Analytic Geometry I	5.0
<i>Select 10 units from one of the following groups</i>		10.0
<i>Group 1</i>		10.0
PHYS 125	General Physics	5.0
AND		
PHYS 126	General Physics II	5.0
OR		
<i>Group 2</i>		10.0
PHYS 180A	General Physics I	4.0
AND		
PHYS 181A	General Physics Laboratory I	1.0
AND		
PHYS 180B	General Physics II	4.0
AND		
PHYS 181B	General Physics Laboratory II	1.0
OR		
<i>Group 3</i>		10.0

PHYS 195	Mechanics	5.0
AND		
PHYS 196	Electricity and Magnetism	5.0

SELECT 3-5 UNITS FROM THE FOLLOWING:

Units: 3.0-5.0

		3.0-5.0
CHEM 231	Organic Chemistry I - Lecture	3.0
AND		
CHEM 231L	Organic Chemistry I - Laboratory	2.0
OR		
MATH 122	Basic Techniques of Calculus II	3.0
OR		
MATH 151	Calculus with Analytic Geometry II	4.0

Total: 34.0-38.0

BLACK STUDIES - ASSOCIATE OF ARTS DEGREE: MESA

Summary

Black Studies is a multidisciplinary curriculum offering courses in American Institutions, Humanities, Social Sciences, and Learning Skills. The program builds a positive understanding and knowledge of the history, culture, and contributions of Africans and Afro-Americans. All students benefit from courses in Black Studies, especially those who pursue careers in social sciences, education, law, counseling, journalism, social work, health care professions, teaching, business, and public administration.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Black Studies Program will be able to:

1. Develop consciousness, confidence, and competence in understanding one's role in society, in taking responsibility for one's actions, and in making ethical decisions in complex situations; understand that one has the power and ability to make decisions that make a difference on a personal, professional and global level.
2. Think critically in reading, writing, and/or speaking about topics in Black Studies, demonstrating knowledge and creativity by completing assignments that enhance research and analytical skills, thereby identifying problems, theses, arguments, evidence and conclusions.
3. Demonstrate self-definition and an understanding and respect for the perspectives of others, while working effectively with people in group assignments, open discussions, and other activities
4. Demonstrate an enhanced understanding of technology through its application to the completion of required assignments, projects, and presentations.
5. Demonstrate an ability to analyze content and context of world cultures by comparing and contrasting how people do the same things in different ways; and, demonstrate an understanding of cultural pluralism
6. Write or speak about topics in Black Studies, demonstrating confidence and creativity while participating in a variety of learning opportunities, thereby addressing problems, formulating theses, making arguments, analyzing and weighing evidence, and deriving conclusions.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 21.0

BLAS 100	Introduction to Black Studies	3.0
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		3.0
BLAS 104	Black Psychology	3.0
OR		
BLAS 130	The Black Family	3.0
		3.0
BLAS 115	Sociology from a Black Perspective	3.0
OR		
BLAS 116	Contemporary Social Problems from a Black Perspective	3.0
OR		
BLAS 135	Introduction to Black Politics	3.0
		3.0
BLAS 110	African American Art	3.0
OR		
BLAS 120	Black Music	3.0
BLAS 125	Dynamics of the Black Community	3.0
BLAS 140A	African American History to Reconstruction	3.0
		3.0
BLAS 150	Black Women in Literature, Film and the Media	3.0
OR		
BLAS 155	African American Literature	3.0

Select six units from the following:

Units: 6.0

		3.0
BLAS 111	Cultural Influences on African Art	3.0
OR		
BLAS 140B	African American History since Reconstruction to the Present	3.0
OR		
BLAS 145A	Introduction to African History	3.0
OR		
BLAS 145B	Introduction to African History	3.0
OR		
BLAS 165	Sexuality and Black Culture	3.0
OR		
BLAS 175	Psycho-History of Racism and Sexism	3.0
OR		
ENGL C1000	Academic Reading and Writing	3.0
OR		
ENGL 105	Composition and Literature	3.0
OR		
COMM C1000	Introduction to Public Speaking	3.0

Total: 27.0

BEER - BREWING AND CELLARING - CERTIFICATE OF ACHIEVEMENT: MESA

Summary

Award Description:

This certificate focuses on the fundamentals of fermentation, sensory analysis, quality assurance, CIP (clean-in-place) techniques, and all aspects of beer production. Beer production includes brewing, cellaring and packaging.

Program Description:

The Fermentation Program gives students a broad understanding of the various fermented beverage industries so students are more marketable, resulting in greater advancement in the workplace environment. The program focuses on all aspects of beer production, and includes studies of other fermented products. The program includes a beer production laboratory course.

Program Goals:

Students who complete an award in the Fermentation Program will have a broad understanding of the various fermented beverage industries so they are more marketable, resulting in greater career opportunities within the industry.

Award Note:

This program is not eligible for federal financial aid in accordance with Federal regulations.

Learning Outcome(s): Students who complete the Beer - Brewing and Cellaring Program will be able to:

1. Develop an understanding of business and the business environment, locally and globally, with an awareness of markets, finance and feasibility.
2. Analyze business problems, including uses of technology, issues of sustainability, and ethics, while comparing costs and benefits.
3. Communicate effectively in business with text and images utilizing traditional, digital, and developing media.
4. Network with peers and mentors on campus and in local businesses.

Requirements**Courses Required for the Major****Units: 10.0**

FERM 101	Introduction to Yeast and Fermentation	3.0
FERM 130	Flavor and Form	2.0
FERM 140	Beer Production Laboratory	4.0
HOSP 270	Work Experience	1.0

Total: 10.0

BUILDING INSPECTION AND CONSTRUCTION MANAGEMENT - ASSOCIATE OF SCIENCE DEGREE: MESA

Summary

The Building Construction Technology Program provides a general background in building construction and a working knowledge of the techniques and materials used in the construction industry. This program is designed for the student who is interested in a construction inspection or construction management career. Program planning should occur with assistance of a department member.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Building Inspection and Construction Management Program will be able to:

1. Think critically in a problem/process based curriculum that requires the identification and assembly of appropriate data(input); application of appropriate tools and techniques to the assembled data to produce creative and individual outputs (solutions) to a variety of construction-industry related problems within appropriate ethical, legal (including environmental and workers safety), technological, financial, and time constraints.

2. Write about, speak about, and/or graphically articulate proposed solutions to a variety of construction and construction management related problems and be able to defend the process(es) utilized to create these solutions to faculty, visiting critics, clients, and fellow students.
3. Demonstrate a sense of self-awareness and interpersonal skills while participating in team projects, role-playing, and the exploration of common workplace scenarios.
4. Demonstrate knowledge of global issues and an awareness of local, state, national, and international issues and efforts related to construction activities both past and present that include global warming, environmental stewardship, sustainability, embracing diversity, access and affordable and health housing for an increasing world population.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 27.0

BLDC 55	Construction Plan Reading	3.0
		3.0
BLDC 62	Construction Practices I	3.0
OR		
BLDC 63	Construction Practices II	3.0
BLDC 65	Building Inspection	3.0
BLDC 68	Electrical, Plumbing and Mechanical Codes	3.0
BLDC 70	Building Codes and Zoning	3.0
BLDC 75	Construction Management I	3.0
BLDC 80	Construction Project Management and Scheduling	3.0
ARCH 130	Materials of Construction	3.0
ARCH 205	Estimating	3.0

Total: 27.0

BUILDING INSPECTION AND CONSTRUCTION MANAGEMENT - CERTIFICATE OF ACHIEVEMENT: MESA

Summary

The Building Construction Technology Program provides a general background in building construction and a working knowledge of the techniques and materials used in the construction industry. This program is designed for the student who is interested in a construction inspection or construction management career. Program planning should occur with the assistance of a department member.

Learning Outcome(s): Students who complete the Building Inspection and Construction Management Program will be able to:

1. Write about, speak about, and/ or graphically articulate proposed solutions to a variety of construction and construction management related problems and be able to defend the process(es) utilized to create these solutions to faculty, visiting critics, clients, and fellow students.
2. Think critically in a problem/process based curriculum that requires the identification and assembly of appropriate data(input); application of appropriate tools and techniques to the assembled data to produce creative and individual outputs (solutions) to a variety of construction-industry related problems within appropriate ethical, legal (including environmental and workers safety), technological, financial, and time constraints.
3. Demonstrate a sense of self-awareness and interpersonal skills while participating in team projects, role-playing, and the exploration of common workplace scenarios.
4. Demonstrate knowledge of global issues and an awareness of local, state, national, and international issues and efforts related to construction activities both past and present that include global warming, environmental stewardship, sustainability, embracing diversity, access and affordable and health housing for an increasing world population.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 27.0

BLDC 55	Construction Plan Reading	3.0
		3.0
BLDC 62	Construction Practices I	3.0
OR		
BLDC 63	Construction Practices II	3.0
BLDC 65	Building Inspection	3.0
BLDC 68	Electrical, Plumbing and Mechanical Codes	3.0
BLDC 70	Building Codes and Zoning	3.0
BLDC 75	Construction Management I	3.0
BLDC 80	Construction Project Management and Scheduling	3.0
ARCH 130	Materials of Construction	3.0
ARCH 205	Estimating	3.0

Total: 27.0

BUSINESS ADMINISTRATION - ASSOCIATE OF SCIENCE DEGREE: MESA

Summary

Prepares the student for transfer to a four-year college through maximum use of equivalent courses. It also provides a foundation for entry into business.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Business Administration Program will be able to:

1. Develop an understanding of business and the business environment, locally and globally, with an awareness of markets, finance and feasibility.
2. Analyze business problems, including uses of technology, issues of sustainability, and ethics, while comparing costs and benefits.
3. Communicate effectively in business with text and images utilizing traditional, digital, and developing media.
4. Network with peers and mentors on campus and in local businesses.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 33.0

		3.0
BUSE 100	Introduction to Business	3.0
OR		
MARK 100	Principles of Marketing	3.0
		3.0
BUSE 115	Statistics for Business	3.0
OR		
STAT C1000	Introduction to Statistics	3.0
BUSE 119	Business Communications	3.0
BUSE 140	Business Law and the Legal Environment	3.0
ACCT 116A	Financial Accounting	4.0
ACCT 116B	Managerial Accounting	4.0

CISC 181	Principles of Information Systems	4.0
ECON 120	Principles of Macroeconomics	3.0
ECON 121	Principles of Microeconomics	3.0
		3.0
ENGL C1000	Academic Reading and Writing	3.0
OR		
ENGL 105	Composition and Literature	3.0

Total: 33.0

BUSINESS ADMINISTRATION - CERTIFICATE OF ACHIEVEMENT: MESA

Summary

Prepares the student for transfer to a four-year college through maximum use of equivalent courses. It also provides a foundation for entry into business.

Learning Outcome(s): Students who complete the Business Administration Program will be able to:

1. Develop an understanding of business and the business environment, locally and globally, with an awareness of markets, finance and feasibility.
2. Analyze business problems, including uses of technology, issues of sustainability, and ethics, while comparing costs and benefits.
3. Communicate effectively in business with text and images utilizing traditional, digital, and developing media.
4. Network with peers and mentors on campus and in local businesses.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 30.0

		3.0
BUSE 100	Introduction to Business	3.0
OR		
MARK 100	Principles of Marketing	3.0
		3.0
BUSE 115	Statistics for Business	3.0
OR		
STAT C1000	Introduction to Statistics	3.0
BUSE 119	Business Communications	3.0
BUSE 140	Business Law and the Legal Environment	3.0
ACCT 116A	Financial Accounting	4.0
ACCT 116B	Managerial Accounting	4.0
CISC 181	Principles of Information Systems	4.0
ECON 120	Principles of Macroeconomics	3.0
ECON 121	Principles of Microeconomics	3.0

Total: 30.0

BUSINESS ADMINISTRATION 2.0 - ASSOCIATE IN SCIENCE FOR TRANSFER DEGREE: MESA

Summary

The Associate in Science in Business Administration 2.0 for Transfer is intended for students who plan to complete a bachelor's degree in Business Administration or a related major in the California State University (CSU) system. It is accepted by some but not all CSU campuses. Students who complete this degree and transfer to a participating CSU campus will be required to complete no more than 60 units after transfer to earn a bachelor's degree. It may not be appropriate preparation for students transferring to a CSU campus that does not accept the degree. Students who plan to complete this degree should consult a counselor for additional information about participating CSU campuses as well as university admission, degree, and transfer requirements.

NOTE: Students intending to transfer into this major at a CSU should consult with a counselor and visit www.assist.org for guidance on appropriate transfer coursework.

Award Notes:

The following is required for all AA-T or AS-T degrees:

- Completion of 60 semester units that are eligible for transfer to the California State University
- Completion of a minimum of 18 semester units in an "AA-T" or "AS-T" major.
- Minimum grade point average (GPA) of at least 2.0 in all CSU-transferable coursework. While a minimum of 2.0 is required for admission, some CSU campuses and majors may require a higher GPA. Please see a counselor for more information.
- Minimum grade of "C" or "P" or better for each course in the major. Students should review the Pass/No Pass acceptance policy of the transfer institution prior to requesting this grade option.
- Certified completion of the California General Education Transfer Curriculum (Cal-GETC) pattern.

Learning Outcome(s): Students who complete the Business Administration 2.0 Program will be able to:

1. Develop an understanding of business and the business environment, locally and globally, with an awareness of markets, finance and feasibility.
2. Analyze business problems, including uses of technology, issues of sustainability, and ethics, while comparing costs and benefits.
3. Communicate effectively in business with text and images utilizing traditional, digital, and developing media.
4. Network with peers and mentors on campus and in local businesses.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 20.0

BUSE 119	Business Communications	3.0
BUSE 140	Business Law and the Legal Environment	3.0
ACCT 116A	Financial Accounting	4.0
ACCT 116B	Managerial Accounting	4.0
ECON 120	Principles of Macroeconomics	3.0
ECON 121	Principles of Microeconomics	3.0

Select one of the following:

Units: 3.0

BUSE 115	Statistics for Business	3.0
STAT C1000	Introduction to Statistics	3.0

Select one of the following:

Units: 3.0-5.0

MATH 121	Basic Techniques of Applied Calculus I	3.0
MATH 150	Calculus with Analytic Geometry I	5.0

Total: 26.0-28.0

BUSINESS MANAGEMENT - ASSOCIATE OF SCIENCE DEGREE: MESA

Summary

Intended for the student who wishes to plan a program in preparation for a business occupational area of his/her own choice. Flexible course selection is emphasized to enable students to achieve their specific educational, vocational and personal goals. Students planning to transfer to a four-year college or university should select the Business Administration major.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Business Management Program will be able to:

1. Develop an understanding of business and the business environment, locally and globally, with an awareness of markets, finance and feasibility.
2. Analyze business problems, including uses of technology, issues of sustainability, and ethics, while comparing costs and benefits.
3. Communicate effectively in business with text and images utilizing traditional, digital, and developing media.
4. Network with peers and mentors on campus and in local businesses.

Requirements

COURSES REQUIRED FOR THE MAJOR:		Units: 35.0
BUSE 100	Introduction to Business	3.0
BUSE 101	Business Mathematics	3.0
		3.0
BUSE 115	Statistics for Business	3.0
OR		
STAT C1000	Introduction to Statistics	3.0
BUSE 119	Business Communications	3.0
BUSE 140	Business Law and the Legal Environment	3.0
BUSE 201	Business Organization and Management	3.0
ACCT 116A	Financial Accounting	4.0
CISC 181	Principles of Information Systems	4.0
ECON 120	Principles of Macroeconomics	3.0
ECON 121	Principles of Microeconomics	3.0
MARK 100	Principles of Marketing	3.0
Select 6-7 units from the following:		Units: 6.0-7.0
ACCT 116B	Managerial Accounting	4.0
ACCT 150	Computer Accounting Applications	3.0
BUSE 120	Personal Financial Management	3.0
BUSE 127	Social Media for Business	3.0
BUSE 129	Introduction to Entrepreneurship	3.0
BUSE 150	Human Relations in Business	3.0
BUSE 155	Small Business Management	3.0
BUSE 190	Academic and Career Opportunities in Business	1.0
BUSE 210	Human Resources Management	3.0
FASH 110	Fashion Buying/Management	3.0
MARK 105	Professional Selling	3.0
MARK 110	Principles of Retailing	3.0
MARK 130	Advertising Principles	3.0

Total: 41.0-42.0

BUSINESS MANAGEMENT - CERTIFICATE OF ACHIEVEMENT: MESA

Summary

Intended for the student who wishes to plan a program in preparation for a business occupational area of his/her own choice. Flexible course selection is emphasized to enable students to achieve their specific educational, vocational and personal goals. Students planning to transfer to a four-year college or university should select the Business Administration major.

Learning Outcome(s): Students who complete the Business Management Program will be able to:

1. Develop an understanding of business and the business environment, locally and globally, with an awareness of markets, finance and feasibility.
2. Analyze business problems, including uses of technology, issues of sustainability, and ethics, while comparing costs and benefits.
3. Communicate effectively in business with text and images utilizing traditional, digital, and developing media.
4. Network with peers and mentors on campus and in local businesses.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 31.0

BUSE 100	Introduction to Business	3.0
BUSE 101	Business Mathematics	3.0
		3.0
BUSE 115	Statistics for Business	3.0
OR		
STAT C1000	Introduction to Statistics	3.0
BUSE 119	Business Communications	3.0
BUSE 140	Business Law and the Legal Environment	3.0
BUSE 155	Small Business Management	3.0
ACCT 116A	Financial Accounting	4.0
ECON 120	Principles of Macroeconomics	3.0
ECON 121	Principles of Microeconomics	3.0
MARK 100	Principles of Marketing	3.0

Select 3-4 units from the following:

Units: 3.0-4.0

BUSE 120	Personal Financial Management	3.0
BUSE 127	Social Media for Business	3.0
BUSE 129	Introduction to Entrepreneurship	3.0
BUSE 190	Academic and Career Opportunities in Business	1.0
BUSE 210	Human Resources Management	3.0
ACCT 116B	Managerial Accounting	4.0
ACCT 150	Computer Accounting Applications	3.0
FASH 110	Fashion Buying/Management	3.0
MARK 105	Professional Selling	3.0
MARK 110	Principles of Retailing	3.0
MARK 130	Advertising Principles	3.0

Total: 34.0-35.0

CHEMISTRY - ASSOCIATE OF SCIENCE DEGREE: MESA

Summary

Upon completion of the required pattern of Chemistry courses and other degree graduation requirements an Associate of Science Degree in Chemistry will be granted. A certificate program is also offered in Chemistry.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Chemistry Program will be able to:

1. Clearly communicate scientific principles, experimental results, and their implications.
2. Apply conceptual and mathematical tools to correctly predict the future state of physical systems.
3. Use proportional reasoning and graphical analysis to establish and analyze relationships between measured quantities.

Requirements**COURSES REQUIRED FOR THE MAJOR:****Units: 28.0**

CHEM 200	General Chemistry I - Lecture	3.0
CHEM 200L	General Chemistry I - Laboratory	2.0
CHEM 201	General Chemistry II - Lecture	3.0
CHEM 201L	General Chemistry II - Laboratory	2.0
CHEM 231	Organic Chemistry I - Lecture	3.0
CHEM 231L	Organic Chemistry I - Laboratory	2.0
MATH 150	Calculus with Analytic Geometry I	5.0
MATH 151	Calculus with Analytic Geometry II	4.0
MATH 252	Calculus with Analytic Geometry III	4.0

¹Placement in Chemistry 200 requires knowledge of basic chemical concepts and calculation. Completion of Chemistry 152/152L or equivalent satisfies the requirement. Equivalency can include but is not limited to passing a challenge exam or AP Credit. To determine equivalency, please see Chemistry Department Chair.

Additional CHEM - Select five units from the following:**Units: 5.0**

		5.0
CHEM 251	Quantitative Analytical Chemistry	5.0
OR		
		5.0
CHEM 233	Organic Chemistry II - Lecture	3.0
AND		
CHEM 233L	Organic Chemistry II - Laboratory	2.0

¹Students planning to transfer to a baccalaureate program are strongly urged to contact a counselor and ASSIST to verify required coursework when selecting the Additional CHEM 251, or 233 and 233L.

PHYS - Select 5 units from the following:**Units: 5.0**

		5.0
PHYS 195	Mechanics	5.0
OR		
PHYS 196	Electricity and Magnetism	5.0
OR		
PHYS 197	Waves, Optics and Modern Physics	5.0

Total: 38.0

CHEMISTRY - CERTIFICATE OF ACHIEVEMENT: MESA

Summary

Upon completion of the required pattern of Chemistry courses and other degree graduation requirements an Associate in Science Degree in Chemistry will be granted. A certificate program is also offered in Chemistry.

Learning Outcome(s): Students who complete the Chemistry Program will be able to:

1. Clearly communicate scientific principles, experimental results, and their implications.
2. Apply conceptual and mathematical tools to correctly predict the future state of physical systems.
3. Use proportional reasoning and graphical analysis to establish and analyze relationships between measured quantities.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 20.0

CHEM 200	General Chemistry I - Lecture	3.0
CHEM 200L	General Chemistry I - Laboratory	2.0
CHEM 201	General Chemistry II - Lecture	3.0
CHEM 201L	General Chemistry II - Laboratory	2.0
CHEM 231	Organic Chemistry I - Lecture	3.0
CHEM 231L	Organic Chemistry I - Laboratory	2.0
CHEM 251	Quantitative Analytical Chemistry	5.0

Plus fifteen units selected from the following:

Units: 15.0

		4.0-5.0
MATH 141	Precalculus	5.0
OR		
MATH 150	Calculus with Analytic Geometry I	5.0
OR		
MATH 151	Calculus with Analytic Geometry II	4.0
OR		
MATH 252	Calculus with Analytic Geometry III	4.0
OR		
PHYS 195	Mechanics	5.0
OR		
PHYS 196	Electricity and Magnetism	5.0
OR		
PHYS 197	Waves, Optics and Modern Physics	5.0

Total: 35.0

CHICANA AND CHICANO STUDIES - ASSOCIATE OF ARTS DEGREE: MESA

Summary

The Department of Chicana and Chicano Studies offers a dynamic, innovative program that emphasizes an interdisciplinary and comparative approach to understanding the historical experiences and contemporary social realities of Chicana/os as the largest segment of the Latino population in the United States. Critical thinking and effective oral and written communication skills are integrated across the curriculum which incorporates the arts and literature, gender studies, border studies, cultural studies, history, the social sciences, and policy studies. Students earning a degree in Chicana and Chicano Studies may pursue careers in education, humanities, law, social work, business, the arts, public administration, ethnic studies and more.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Chicana and Chicano Studies Program will be able to:

1. Think critically in reading, writing, and/or speaking about topics in Chicano/a Studies, with a focus on the multiple historical factors that have contributed to the origins of the Chicano/a community in the United States, thereby identifying problems, theses, arguments, evidence and conclusions.
2. Write or speak about topics in Chicano/a Studies, with a focus on understanding and communicating the Chicano/a alternative world view as expressed in history, literature and art, thereby addressing problems, formulating theses, making arguments, analyzing and weighing evidence, and deriving conclusions.
3. Demonstrate an ability to understand one's role in society, take responsibility for one's own actions, and make ethical decisions in complex situations.
4. Analyze one's own actions, see others' perspectives, and work effectively with others in groups.
5. Analyze the development of the contemporary Chicano/a community in the United States by articulating similarities and contrasts among cultures, times, and environments, and demonstrate an understanding of cultural pluralism.

Requirements**COURSES REQUIRED FOR THE MAJOR:****Units: 15.0**

CHIC 110A	Introduction to Chicana and Chicano Studies	3.0
CHIC 141A	United States History from a Chicano Perspective	3.0
CHIC 141B	United States History from a Chicano Perspective	3.0
CHIC 170	La Chicana	3.0
		3.0
CHIC 130	Mexican Literature in Translation	3.0
OR		
CHIC 135	Chicana/o Literature	3.0
OR		
CHIC 138	Literature of La Raza in Latin America in Translation	3.0

Select three to five units (one course) from the following:**Units: 3.0-5.0**

CHIC 110B	Introduction to Chicana and Chicano Studies	3.0
CHIC 140	Chicana/o Sociology	3.0
CHIC 150	History of Mexico	3.0
CHIC 155	Introduction to Central American Studies	3.0
CHIC 190	Chicano Images in Film	3.0
CHIC 201	The Indigenous Tradition of Mexico and Ancient Mesoamerica	3.0
CHIC 210	Chicano Culture	3.0
CHIC 230	Chicano Art	3.0
CHIC 250	Introduction to Chicana/o Dramatic Art	3.0
SPAN 101	First Course in Spanish	5.0
SPAN 102	Second Course in Spanish	5.0
SPAN 201	Third Course in Spanish	5.0
SPAN 202	Fourth Course in Spanish	5.0
SPAN 215	Spanish for Spanish Speakers I	5.0
SPAN 216	Spanish for Spanish Speakers II	5.0

Total: 18.0-20.0

CHILD DEVELOPMENT - ASSOCIATE OF SCIENCE DEGREE: MESA

Summary

This Associate of Science Degree prepares students to provide instruction to children and supervise Assistant and Associate Teachers. All Child Development courses must be completed with a grade of "C" or better. Additional general education and graduation requirements are listed in the Academic Requirements section of the catalog. The Associate Degree requires a minimum of 60 units.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Child Development Program will be able to:

1. Work in a collaborative environment to promote respect of others opinions and prospective and demonstrate cultural pluralism.
2. Develop the ability to anticipate, recognize, and successfully work with various learning styles and abilities of children with varying needs.
3. Demonstrate the knowledge and skills to meet the state of California licensing requirements for working in careers in Early Childhood Education and Development.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 24.0

CHIL 100	Principles and Practices of Early Childhood Education	3.0
CHIL 101	Human Growth and Development	3.0
CHIL 120	Observation and Assessment in Early Childhood Programs	3.0
CHIL 130	Introduction to Curriculum	3.0
CHIL 141	The Child, Family and Community	3.0
CHIL 150	Teaching in a Diverse Society	3.0
CHIL 180	Nutrition, Health, and Safety for Children	3.0
CHIL 275	Supervised Field Study	3.0

Total: 24.0

CHILD DEVELOPMENT ASSISTANT TEACHER - CERTIFICATE OF PERFORMANCE: MESA

Summary

This Certificate of Performance prepares students to assist in the instruction of children under the supervision of an Associate Teacher or higher instructor.

Award Notes:

A Certificate of Performance is a departmental award that does not appear on the student's transcript. All courses must be completed within the San Diego Community College District.

This program is not eligible for federal financial aid in accordance with Federal regulations.

Learning Outcome(s): Students who complete the Child Development Assistant Teacher Program will be able to:

1. Develop the ability to anticipate, recognize, and successfully work with various learning styles and abilities of children with varying needs.
2. Work in a collaborative environment to promote respect of others opinions and prospective and demonstrate cultural pluralism.
3. Demonstrate the knowledge and skills to meet the state of California licensing requirements for working in careers in Early Childhood Education and Development.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 6.0

CHIL 101	Human Growth and Development	3.0
CHIL 180	Nutrition, Health, and Safety for Children	3.0

Total: 6.0

CHILD DEVELOPMENT ASSOCIATE TEACHER - CERTIFICATE OF ACHIEVEMENT: MESA

Summary

This Certificate of Achievement prepares students to provide instruction to children and supervise Assistant Teachers. All Child Development courses must be completed with a grade of "C" or better.

Award Note:

This program is not eligible for federal financial aid in accordance with Federal regulations.

Learning Outcome(s): Students who complete the Child Development Associate Teacher Program will be able to:

1. Develop the ability to anticipate, recognize, and successfully work with various learning styles and abilities of children with varying needs.
2. Work in a collaborative environment to promote respect of others opinions and prospective and demonstrate cultural pluralism.
3. Demonstrate the knowledge and skills to meet the state of California licensing requirements for working in careers in Early Childhood Education and Development.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 12.0

CHIL 101	Human Growth and Development	3.0
CHIL 131	Curriculum: Language/Science	3.0
CHIL 141	The Child, Family and Community	3.0
CHIL 180	Nutrition, Health, and Safety for Children	3.0

Total: 12.0

CHILD DEVELOPMENT MASTER TEACHER - CERTIFICATE OF ACHIEVEMENT: MESA

Summary

This Certificate of Achievement prepares students to provide instruction to children and provide supervision of Assistant Teachers, Associate Teachers and Teachers. It also prepares students to coordinate curriculum and staff development in the field of Child Development/Early Childhood Education.

Learning Outcome(s): Students who complete the Child Development Master Teacher Program will be able to:

1. Develop the ability to anticipate, recognize, and successfully work with various learning styles and abilities of children with varying needs.
2. Work in a collaborative environment to promote respect of others opinions and prospective and demonstrate cultural pluralism.
3. Demonstrate the knowledge and skills to meet the state of California licensing requirements for working in careers in Early Childhood Education and Development.

Requirements

COURSES REQUIRED FOR THE MAJOR:**Units: 29.0**

CHIL 101	Human Growth and Development	3.0
CHIL 111	Curriculum: Music and Movement	3.0
CHIL 121	Curriculum: Art	3.0
CHIL 131	Curriculum: Language/Science	3.0
CHIL 141	The Child, Family and Community	3.0
CHIL 151	Program Planning	3.0
CHIL 175	Infant-Toddler Growth and Development	3.0
CHIL 180	Nutrition, Health, and Safety for Children	3.0
CHIL 215	Adult Supervision and Mentoring in Early Childhood Settings	3.0
CHIL 270	Work Experience	2.0

Select 6 units (two courses) from the following specializations:**Units: 6.0**

CHIL 165	Children With Special Needs	3.0
CHIL 166	Curriculum for Diverse Learners	3.0
CHIL 176	Principles of Infant-Toddler Caregiving	3.0

Total: 35.0

CHILD DEVELOPMENT TEACHER - CERTIFICATE OF ACHIEVEMENT: MESA

Summary

This Certificate of Achievement prepares students to provide instruction to children and supervise Assistant and Associate Teachers.

Learning Outcome(s): Students who complete the Child Development Teacher Program will be able to:

1. Demonstrate the knowledge and skills to meet the state of California licensing requirements for working in careers in Early Childhood Education and Development.
2. Develop the ability to anticipate, recognize, and successfully work with various learning styles and abilities of children with varying needs.
3. Work in a collaborative environment to promote respect of others opinions and prospective and demonstrate cultural pluralism.

Requirements

COURSES REQUIRED FOR THE MAJOR:**Units: 26.0**

CHIL 101	Human Growth and Development	3.0
CHIL 111	Curriculum: Music and Movement	3.0
CHIL 121	Curriculum: Art	3.0
CHIL 131	Curriculum: Language/Science	3.0
CHIL 141	The Child, Family and Community	3.0
CHIL 151	Program Planning	3.0
CHIL 175	Infant-Toddler Growth and Development	3.0
CHIL 180	Nutrition, Health, and Safety for Children	3.0
CHIL 270	Work Experience	2.0

Total: 26.0

CHOREOGRAPHY - CERTIFICATE OF ACHIEVEMENT: MESA

Summary

The Certificate of Achievement in Choreography is designed for students interested in a career as a choreographer

Learning Outcome(s): Students who complete the Choreography Program will be able to:

1. Identify, analyze, assess and perform dance combinations and choreography.
2. Identify, compare, contrast and evaluate theatrical forms of dance in a socio-historical context as an artistic, political or ideological medium of communication.
3. Identify specified line, design, technique and vocabulary as well as rhythmic, dynamic and emotional concepts for a wide variety of movement.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 4.0

DANC 183	Music for Dance	2.0
DANC 253	Choreography	2.0

Select 4 units from the following:

Units: 4.0

DANC 261A	Dance Performance I	2.0
DANC 261B	Dance Performance II	2.0
DANC 261C	Dance Performance III	2.0
DANC 261D	Dance Performance IV	2.0

Select 2 units from the following:

Units: 2.0

DANC 150A	Dance Making: Ballet	1.0
DANC 151A	Dance Making: Jazz	1.0
DANC 152A	Dance Making: Modern	1.0
DANC 153A	Dance Making: Dance Theatre	1.0

Select 2 units from the following:

Units: 2.0

DANC 271A	Stage Costuming for Dance	1.0-2.0
DANC 271B	Makeup for Dance Productions	1.0-2.0
DANC 271C	Lighting Design for Dance Production	1.0-2.0

Select 10 units from the following:

Units: 10.0

DANC 112B	Ballet II	1.5
DANC 112C	Ballet III	1.5
DANC 112D	Ballet IV	1.5
DANC 117B	Tap Dance II	1.5
DANC 117C	Tap Dance III	1.5
DANC 117D	Tap Dance IV	1.5
DANC 122B	Hip Hop II	1.5
DANC 122C	Hip Hop III	1.5
DANC 122D	Hip Hop IV	1.5
DANC 137B	Jazz Dance II	1.5
DANC 137C	Jazz Dance III	1.5
DANC 137D	Jazz Dance IV	1.5
DANC 142B	Modern Dance II	1.5
DANC 142C	Modern Dance III	1.5
DANC 142D	Modern Dance IV	1.5
DANC 176A	Dance Improvisation	1.5

CODING SPECIALIST - CERTIFICATE OF ACHIEVEMENT

Summary

The Health Information Technology program offers various avenues for students interested in a career in the health information field. The program is designed to prepare students to work in a variety of settings, including hospitals, outpatient clinics, behavioral health facilities, government health agencies, long-term care facilities, and various health information industry vendors.

Learning Outcome(s): Students who complete the Coding Specialist Program will be able to:

1. Apply all required health care documentation policies and procedures that ensure the highest quality of healthcare delivery.
2. Utilize the evolving information technology in the completion of health information management processes.
3. Ensure compliance with all payment systems, such as Medicare, Medicaid, managed care, and other sources of reimbursement.
4. Produce data required for healthcare quality improvement, utilization management, risk management and other related activities.
5. Protect the privacy, confidentiality, and security of health information as well as promote legal and ethical standards of practice for health information professionals.

Certification

Students who earn the Coding Specialist Certificate of Achievement are eligible to sit for the following American Health Information Management Association (AHIMA) certifications: Certified Coding Specialist (CCS), the Certified Coding Specialist - Physician-based (CCS-P), and the Certified Coding Associate (CCA).

Admission Criteria

Eligibility for enrollment is determined by a special admission procedure. Interested persons should review program information on the [website](#).

A grade of "C" or better must be maintained in all courses to continue in this restricted program. Course repetition in this program is not permitted unless student is granted readmission. This program is governed by the Allied Health Department Policies and Procedures.

Students must complete HEIT 214 and 215 within five years in order to receive the Health Information Technology Associate of Science degree.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 26.0-27.0

		3.0-4.0
MEDA 55	Fundamentals Human Anatomy and Physiology	3.0
OR		
BIOL 160	Elements of Human Anatomy and Physiology	4.0
MEDA 110	Medical Terminology	3.0
MEDA 115	Pathophysiology	3.0
HEIT 110	Introduction to Health Information	4.0
HEIT 130	Basic Pharmacology	1.0
HEIT 214	ICD Coding I	3.0

HEIT 215	ICD Coding II	3.0
HEIT 155	Current Procedural Terminology (CPT) Coding	3.0
HEIT 225	Introduction to Revenue Cycle	3.0

Total: 26.0-27.0

COMMERCIAL DANCE - CERTIFICATE OF ACHIEVEMENT: MESA

Summary

The Certificate of Achievement in Commercial Dance is designed for students seeking professional dance opportunities in the entertainment field. This comprehensive program trains the students in a variety of dance techniques coupled with vocal music and acting courses.

Learning Outcome(s): Students who complete the Commercial Dance Program will be able to:

1. Identify, compare, contrast and evaluate theatrical forms of dance in a socio-historical context as an artistic, political or ideological medium of communication.
2. Identify, analyze, assess and perform dance combinations and choreography.
3. Identify specified line, design, technique and vocabulary as well as rhythmic, dynamic and emotional concepts for a wide variety of movement.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 14.5

DANC 112C	Ballet III	1.5
DANC 112D	Ballet IV	1.5
DANC 137C	Jazz Dance III	1.5
DANC 137D	Jazz Dance IV	1.5
DANC 142C	Modern Dance III	1.5
DANC 181	History of Dance	3.0
DRAM 132	Beginning Acting	3.0
MUSI 134A	Voice Class I	1.0

Select 2 units from the following:

Units: 2.0

DANC 261A	Dance Performance I	2.0
DANC 261B	Dance Performance II	2.0
DANC 261C	Dance Performance III	2.0
DANC 261D	Dance Performance IV	2.0

Select 1 - 3 units from the following:

Units: 1.0-3.0

DANC 125A	Latin American Dance I	1.0-1.5
DANC 125B	Latin American Dance II	1.0-1.5
DANC 126A	Belly Dance I	0.5-1.0
DANC 126B	Belly Dance II	0.5-1.0
DANC 145A	Ballroom Dance I	1.0-1.5
DANC 145B	Ballroom Dance II	1.0-1.5

Select 1 1/2 units from the following:

Units: 1.5

DANC 117A	Tap Dance I	1.5
DANC 117B	Tap Dance II	1.5
DANC 117C	Tap Dance III	1.5

Select 1 1/2 units from the following:

Units: 1.5

DANC 122A	Hip Hop I	1.5
DANC 122B	Hip Hop II	1.5
DANC 122C	Hip Hop III	1.5
DANC 122D	Hip Hop IV	1.5

Select 1 - 1 1/2 units from the following:

Units: 1.0-1.5

DANC 160A	Pilates - Stretch and Conditioning	1.0-1.5
DANC 160B	Pilates - Alignment and Correctives	1.0-1.5

Total: 21.5-24.0

COMMUNICATION STUDIES 2.0 - ASSOCIATE IN ARTS FOR TRANSFER DEGREE

Summary

The Associate in Arts in Communication Studies 2.0 for Transfer is intended for students who plan to complete a bachelor's degree in Communication Studies or a related major in the California State University (CSU) system. It is accepted by some but not all CSU campuses. Students who complete this degree and transfer to a participating CSU campus will be required to complete no more than 60 units after transfer to earn a bachelor's degree. It may not be appropriate preparation for students transferring to a CSU campus that does not accept the degree.

NOTE: Students intending to transfer into this major at a CSU should consult with a counselor and visit www.assist.org for guidance on appropriate transfer coursework.

Award Notes:

The following is required for all AA-T or AS-T degrees:

- Completion of 60 semester units that are eligible for transfer to the California State University
- Completion of a minimum of 18 semester units in an "AA-T" or "AS-T" major.
- Minimum grade point average (GPA) of at least 2.0 in all CSU-transferable coursework. While a minimum of 2.0 is required for admission, some CSU campuses and majors may require a higher GPA. Please see a counselor for more information.
- Minimum grade of "C" or "P" or better for each course in the major. Students should review the Pass/No Pass acceptance policy of the transfer institution prior to requesting this grade option.
- Certified completion of the California General Education Transfer Curriculum (Cal-GETC) pattern.

Learning Outcome(s): Students who complete the Communication Studies 2.0 Program will be able to:

1. Analyze contemporary socio-political issues by delivering speeches on select topics. Speeches are highly developed, outlined, and fully supported with research. Students must move beyond mere description and provide a rationale for their thought process.
2. Use oral and written communication to advance ideas and advocate positions.
3. Engage in speech activities such as persuasive speaking where they will advocate controversial ideas to others, adapt to audiences, and critically analyze contentious issues. Speeches are taped and students are expected to analyze their own performance as well as provide feedback for other speakers.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 6.0

COMM C1000	Introduction to Public Speaking	3.0
COMS 135	Interpersonal Communication	3.0

LIST A: SELECT 9 UNITS (3 COURSES) FROM THE FOLLOWING:

Units: 9.0

COMS 160	Argumentation and Critical Thinking	3.0
COMS 170	Small Group Communication	3.0
COMS 104	Advanced Public Communication	3.0

LIST B: SELECT 3 UNITS (1 COURSE) FROM THE FOLLOWING:

Units: 3.0

COMS 111	Oral Interpretation	3.0
COMS 180	Intercultural Communication	3.0

Total: 18.0

COMMUNICATION STUDIES - ASSOCIATE OF ARTS DEGREE: MESA

Summary

The Associate in Arts in Communication Studies certifies that a student has emphasized the theory and practice of communication skills, has met the preparation for the major in Communication, and is prepared to begin upper division work at a four-year college or university.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Communication Studies Program will be able to:

1. Use oral and written communication to advance ideas and advocate positions.
2. Analyze contemporary socio-political issues by delivering speeches on select topics. Speeches are highly developed, outlined, and fully supported with research. Students must move beyond mere description and provide a rationale for their thought process.
3. Engage in speech activities such as persuasive speaking where they will advocate controversial ideas to others, adapt to audiences, and critically analyze contentious issues. Speeches are taped and students are expected to analyze their own performance as well as provide feedback for other speakers.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 3.0

COMM C1000	Introduction to Public Speaking	3.0
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Select fifteen units from:

Units: 15.0

COMS 104	Advanced Public Communication	3.0
COMS 111	Oral Interpretation	3.0
COMS 117A	Intercollegiate Forensics	1.0-3.0
COMS 117B	Intercollegiate Forensics	1.0-3.0
COMS 117C	Intercollegiate Forensics	1.0-3.0
COMS 117D	Intercollegiate Forensics	1.0-3.0
COMS 135	Interpersonal Communication	3.0
COMS 160	Argumentation and Critical Thinking	3.0
COMS 170	Small Group Communication	3.0
COMS 180	Intercultural Communication	3.0
COMS 290	Independent Study	1.0-3.0

Total: 18.0

COMPUTER AND INFORMATION SCIENCES - ASSOCIATE OF SCIENCE DEGREE: MESA

Summary

The associate degree in Computer Information Sciences requires completion of the courses listed below and is meant to prepare students who are planning on transferring to Information Decision Systems programs at four-year institutions. Additional general education and graduation requirements for the associate degree are listed in the Academic Requirements section of the catalog. The associate degree requires completion of a minimum of 60 units.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Computer and Information Sciences Program will be able to:

1. Evaluate and apply appropriate technology to support specific business activities and business solutions.
2. Analyze specific business or information technology problems or situations and identify possible solutions, including predictive analysis, synthesis of information, resourcefulness, and troubleshooting.
3. Choose the appropriate mode of communication for a specific situation and then communicate ideas, concepts, and solutions through effective written and oral communication.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 28.0

ACCT 116A	Financial Accounting	4.0
ACCT 116B	Managerial Accounting	4.0
BUSE 119	Business Communications	3.0
BUSE 140	Business Law and the Legal Environment	3.0
CISC 179	Introduction to Python Programming	4.0
CISC 181	Principles of Information Systems	4.0
ECON 120	Principles of Macroeconomics	3.0
STAT C1000	Introduction to Statistics	3.0

Select 3 - 4 units from the following:

Units: 3.0-4.0

CISC 106	Introduction to Computer Science and Programming	4.0
CISC 150	Introduction to Computer and Information Sciences	3.0
CISC 270	Work Experience	1.0-4.0
CISC 290	Independent Study	1.0-3.0

Total: 31.0-32.0

COMPUTER AND INFORMATION SCIENCES - CERTIFICATE OF ACHIEVEMENT: MESA

Summary

The Certificate of Achievement in Computer Information Sciences requires completion of the courses listed below and is meant to prepare students for entry-level positions in the computer information sciences industry.

Learning Outcome(s): Students who complete the Computer and Information Sciences Program will be able to:

1. Evaluate and apply appropriate technology to support specific business activities and business solutions.
2. Analyze specific business or information technology problems or situations and identify possible solutions, including predictive analysis, synthesis of information, resourcefulness, and troubleshooting.
3. Choose the appropriate mode of communication for a specific situation and then communicate ideas, concepts, and solutions through effective written and oral communication.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 28.0

ACCT 116A	Financial Accounting	4.0
ACCT 116B	Managerial Accounting	4.0
BUSE 119	Business Communications	3.0
BUSE 140	Business Law and the Legal Environment	3.0
CISC 179	Introduction to Python Programming	4.0
CISC 181	Principles of Information Systems	4.0
ECON 120	Principles of Macroeconomics	3.0
STAT C1000	Introduction to Statistics	3.0

Select 3 - 4 units from the following:

Units: 3.0-4.0

CISC 106	Introduction to Computer Science and Programming	4.0
CISC 150	Introduction to Computer and Information Sciences	3.0
CISC 270	Work Experience	1.0-4.0
CISC 290	Independent Study	1.0-3.0

Total: 31.0-32.0

COMPUTER FASHION TECHNOLOGY: DESIGN - ASSOCIATE OF SCIENCE DEGREE: MESA

Summary

The Computer Fashion Technology: Design Associate of Science degree offers students courses that prepare them for work in the Fashion Design field. The emphasis on technological training provides students with a solid background that expands career options to include a growing number of fashion industry positions requiring strong computer and software skills. Students are trained to work with digital fashion design and illustration, computerized patternmaking, technical design, textile and graphic design, and Internet sales and marketing.

The Fashion Program recommends that students take Fash 130 & 130L early in their course of study and take Fash 140 prior to taking Fash 171.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Computer Fashion Technology: Design Program will be able to:

1. Demonstrate effective communication and critical thinking through oral presentations and written work.
2. Use current technology such as computers, peripherals, and software or sewing equipment pertinent to fashion design or merchandising.
3. Compare and contrast how various cultures and countries interrelate in the global fashion community.
4. Achieve a set of skills that keeps them current and allows them to secure employment in the Fashion industry.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 45.0

FASH 105	Introduction to Fashion	3.0
FASH 125	Fashion Selection	3.0
FASH 130	Apparel Construction I	3.0
FASH 130L	Apparel Construction I Laboratory	1.0
FASH 140	Clothing Design and Flat Pattern I	3.0
FASH 168	Textiles	3.0

FASH 171	Computer Flat Pattern Design I	3.0
FASH 173	Fashion Marketing on the Internet	1.0
FASH 172	Computer Flat Pattern Design II	3.0
FASH 175	Computer Fashion Design: Adobe PhotoShop	3.0
FASH 176	Computer Fashion Design: Adobe Illustrator	3.0
FASH 178	Computer Publishing and Portfolio	3.0
FASH 270	Work Experience	2.0
ARTF 150A	Two-Dimensional Design	3.0
		3.0
ARTF 150B	Beginning Graphic Design	3.0
OR		
MULT 100	Introduction to Visual Communication	3.0
CBTE 140	Beginning Microsoft Excel	2.0
CBTE 180	Microsoft Office	3.0

Total: 45.0

COMPUTER FASHION TECHNOLOGY: DESIGN - CERTIFICATE OF ACHIEVEMENT: MESA

Summary

The Computer Fashion Technology: Design Certificate of Achievement offers students courses that prepare them for work in the Fashion Design field. The emphasis on technological training provides students with a solid background that expands career options to include a growing number of fashion industry positions requiring strong computer and software skills. Students are trained to work with digital fashion design and illustration, computerized patternmaking, technical design, textile and graphic design, and Internet sales and marketing.

The Fashion Program recommends that students take Fash 130 & 130L early in their course of study and take Fash 140 prior to taking Fash 171.

Learning Outcome(s): Students who complete the Computer Fashion Technology: Design Program will be able to:

1. Demonstrate effective communication and critical thinking through oral presentations and written work.
2. Use current technology such as computers, peripherals, and software or sewing equipment pertinent to fashion design or merchandising.
3. Compare and contrast how various cultures and countries interrelate in the global fashion community.
4. Achieve a set of skills that keeps them current and allows them to secure employment in the Fashion industry.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 31.0

FASH 105	Introduction to Fashion	3.0
FASH 130	Apparel Construction I	3.0
FASH 130L	Apparel Construction I Laboratory	1.0
FASH 140	Clothing Design and Flat Pattern I	3.0
FASH 168	Textiles	3.0
FASH 171	Computer Flat Pattern Design I	3.0
FASH 173	Fashion Marketing on the Internet	1.0
FASH 175	Computer Fashion Design: Adobe PhotoShop	3.0
FASH 176	Computer Fashion Design: Adobe Illustrator	3.0
FASH 178	Computer Publishing and Portfolio	3.0

CBTE 140	Beginning Microsoft Excel	2.0
CBTE 180	Microsoft Office	3.0

Total: 31.0

COMPUTER PROGRAMMING - CERTIFICATE OF PERFORMANCE: MESA

Summary

This certificate of performance in computer programming requires completion of the courses listed below and is meant to prepare students who are planning on preparing for entry-level positions in computer programming and/or information technology. The certificate of performance also offers students the opportunity to learn or enhance computer programming skills.

Award Notes:

A Certificate of Performance is a departmental award that does not appear on the student's transcript. All courses must be completed within the San Diego Community College District.

This program is not eligible for federal financial aid in accordance with Federal regulations.

Learning Outcome(s): Students who complete the Computer Programming Program will be able to:

1. Evaluate and apply appropriate technology to support specific business activities and business solutions.
2. Analyze specific business or information technology problems or situations and identify possible solutions, including predictive analysis, synthesis of information, resourcefulness, and troubleshooting.
3. Choose the appropriate mode of communication for a specific situation and then communicate ideas, concepts, and solutions through effective written and oral communication.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 15.0

CISC 186	Visual Basic Programming	4.0
CISC 190	Java Programming	4.0
CISC 192	C/C++ Programming	4.0
CISC 210	System Analysis and Design	3.0

Total: 15.0

COMPUTER SCIENCE - ASSOCIATE IN SCIENCE FOR TRANSFER DEGREE: MESA

Summary

The Associate in Science in Computer Science for Transfer is intended for students who plan to complete a bachelor's degree in Computer Science or a related major in the California State University (CSU) system. It is accepted by some but not all CSU campuses. Students who complete this degree and transfer to a participating CSU campus will be required to complete no more than 60 units after transfer to earn a bachelor's degree. It may not be appropriate preparation for students transferring to a CSU campus that does not accept the degree. Students who plan to complete this degree should consult a counselor for additional information about participating CSU campuses as well as university admission, degree, and transfer requirements.

NOTE: Students intending to transfer into this major at a CSU should consult with a counselor and visit www.assist.org for guidance on appropriate transfer coursework.

Award Notes:

The following is required for all AA-T or AS-T degrees:

- Completion of 60 semester units that are eligible for transfer to the California State University

- Completion of a minimum of 18 semester units in an "AA-T" or "AS-T" major.
- Minimum grade point average (GPA) of at least 2.0 in all CSU-transferable coursework. While a minimum of 2.0 is required for admission, some CSU campuses and majors may require a higher GPA. Please see a counselor for more information.
- Minimum grade of "C" or "P" or better for each course in the major. Students should review the Pass/No Pass acceptance policy of the transfer institution prior to requesting this grade option.
- Certified completion of the California General Education Transfer Curriculum (Cal-GETC) pattern.

Learning Outcome(s): Students who complete the Computer Science Program will be able to:

1. Evaluate and apply appropriate technology to support specific business activities and business solutions.
2. Analyze specific business or information technology problems or situations and identify possible solutions, including predictive analysis, synthesis of information, resourcefulness, and troubleshooting.
3. Choose the appropriate mode of communication for a specific situation and then communicate ideas, concepts, and solutions through effective written and oral communication.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 33.0-34.0

CISC 190	Java Programming	4.0
CISC 191	Intermediate Java Programming	4.0
CISC 211	Computer Organization and Assembly Language	4.0
CISC 246	Discrete Mathematics for Computer Science	3.0
MATH 150	Calculus with Analytic Geometry I	5.0
MATH 151	Calculus with Analytic Geometry II	4.0
PHYS 195	Mechanics	5.0
		4.0-5.0
PHYS 196	Electricity and Magnetism	5.0
OR		
BIOL 210A	Introduction to the Biological Sciences I	4.0

Total: 33.0-34.0

CONSTRUCTION MANAGEMENT - ASSOCIATE OF SCIENCE DEGREE: MESA

Summary

The Associate of Science Architecture Construction Management prepares students for a career in construction management including building codes & zoning, as well as building contractor's license law.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Construction Management Program will be able to:

1. Think independently, creatively, logically and critically in a problem/project based curriculum that requires applying complex problem-solving methods.
2. Resolve programmatic, spatial, social, political, engineering and sustainable design issues while developing rational, personal, creative and individual problem and design solutions.
3. Write about, speak about, and/or graphically articulate solutions to design problems and the processes of arriving at these solutions to faculty, visiting critics, and fellow students.
4. Respond appropriately in a variety of methods, including, but not limited to, a combination of written assignments and analysis, programmatic issues, design projects, non-digital and digital assignments, written tests and quizzes.
5. Demonstrate the ability to work both independently and collaboratively.
6. Develop a greater sense of self-awareness.

7. Develop cultural sensitivity and interpersonal skills while participating in team projects, roleplaying, and workplace scenarios.
8. Demonstrate knowledge of global issues and an awareness of global, national and local concerns from multiple perspectives.
9. Develop an awareness, respect and appreciation for the diversity of individuals through the evaluation and integration of programmatic issues, design issues, historical issues, and political, cultural and social perspectives that are international in scope, including issues of diversity, equity, sustainability and environmental sensitivity
10. Gather, analyze, evaluate and disseminate information using multiple means of expression including, but not limited to written assignments and analysis, design projects, non-digital and digital assignments and presentation techniques.
11. Demonstrate an awareness of current technology through the use of state-of-the-art equipment and software including, but not limited to, computers, scanners, plotters, printers, copiers, digital projectors, laser engravers and 3D model making technologies including current editions of software utilized in the profession.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 30.0

ARCH 100	Graphic Design Communication I	2.0
ARCH 112	AutoCAD	3.0
ARCH 130	Materials of Construction	3.0
ARCH 141	Professional Practice in Architecture	4.0
ARCH 205	Estimating	3.0
BLDC 68	Electrical, Plumbing and Mechanical Codes	3.0
BLDC 70	Building Codes and Zoning	3.0
BLDC 75	Construction Management I	3.0
BLDC 80	Construction Project Management and Scheduling	3.0
BLDC 95	Building Contractor's License Law	3.0

Total: 30.0

CREATIVE WRITING - CERTIFICATE OF ACHIEVEMENT: MESA

Summary

This certificate is designed for students who want to hone their writing skills by participating in creative writing workshops and immersing themselves in literature and also for students preparing portfolios for 4-year colleges. In addition, students preparing for the work world may benefit from the certificate as evidence of writing skills, which many businesses require.

Learning Outcome(s): Students who complete the Creative Writing Program will be able to:

1. Critically analyze conflicting claims and multiple perspectives on classic and contemporary issues.
2. Assess arguments as well as patterns and strategies of organization in a variety of texts and visual media.
3. Produce clear, thoughtful prose using appropriate steps of a writing process, including effective research strategies.

Requirements

SELECT SIX UNITS FROM THE FOLLOWING

Units: 6.0

ENGL 245A	Writing Creative Nonfiction	3.0
ENGL 245B	Advanced Creative Nonfiction	3.0
ENGL 247A	Writing Seminar - Poetry	3.0
ENGL 247B	Advanced Writing Seminar - Poetry	3.0

ENGL 249A	Introduction to Creative Writing I	3.0
ENGL 249B	Introduction to Creative Writing II	3.0
ENGL 252A	Fundamentals of Fiction Writing	3.0
ENGL 252B	Intermediate Fiction Writing	3.0

SELECT SIX UNITS FROM THE FOLLOWING

Units: 6.0

BLAS 155	African American Literature	3.0
CHIC 135	Chicana/o Literature	3.0
ENGL 208	Introduction to Literature	3.0
ENGL 210	American Literature I	3.0
ENGL 211	American Literature II	3.0
ENGL 215	English Literature I: 800-1799	3.0
ENGL 216	English Literature II: 1800 - Present	3.0
ENGL 220	Masterpieces of World Literature I: 1500 BCE - 1600 CE	3.0
ENGL 221	Masterpieces of World Literature II: 1600 - Present	3.0
ENGL 230	Asian American Literature	3.0
ENGL 237	Women in Literature	3.0
ENGL 240	Shakespeare	3.0

SELECT SIX UNITS IF NOT SELECTED ABOVE

Units: 6.0

BLAS 155	African American Literature	3.0
CHIC 135	Chicana/o Literature	3.0
ENGL 208	Introduction to Literature	3.0
ENGL 210	American Literature I	3.0
ENGL 211	American Literature II	3.0
ENGL 215	English Literature I: 800-1799	3.0
ENGL 216	English Literature II: 1800 - Present	3.0
ENGL 220	Masterpieces of World Literature I: 1500 BCE - 1600 CE	3.0
ENGL 221	Masterpieces of World Literature II: 1600 - Present	3.0
ENGL 230	Asian American Literature	3.0
ENGL 237	Women in Literature	3.0
ENGL 240	Shakespeare	3.0
ENGL 245A	Writing Creative Nonfiction	3.0
ENGL 245B	Advanced Creative Nonfiction	3.0
ENGL 247A	Writing Seminar - Poetry	3.0
ENGL 247B	Advanced Writing Seminar - Poetry	3.0
ENGL 249A	Introduction to Creative Writing I	3.0
ENGL 249B	Introduction to Creative Writing II	3.0
ENGL 252A	Fundamentals of Fiction Writing	3.0
ENGL 252B	Intermediate Fiction Writing	3.0

Total: 18.0

CULINARY ARTS/CULINARY MANAGEMENT - ASSOCIATE OF SCIENCE DEGREE: MESA

Summary

In addition to knowledge of the culinary arts, this associate degree includes coursework in hospitality management and nutrition.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Culinary Arts/Culinary Management Program will be able to:

1. Demonstrate academic and practical knowledge of food flavorings and seasoning of common national and international cuisines.
2. Proficiently use all basic culinary equipment including large equipment to hand tools.
3. Demonstrate all knowledge necessary to produce food in a safe and sanitary fashion for public consumption.
4. Explain the relationship between purchasing, receiving, storage, production and cost of goods sold.

Requirements**COURSES REQUIRED FOR THE MAJOR:****Units: 46.0**

HOSP 101	Introduction to Hospitality & Tourism	3.0
HOSP 111	Food and Beverage Management	3.0
HOSP 115	Strategic Leadership in Hospitality	3.0
HOSP 130	Hospitality Law	3.0
CACM 102	Sanitation	2.0
CACM 103	Organization of Food	1.0
CACM 106	Theory of Food Principles	2.5
CACM 110A	Fundamental Food and Service: Restaurant Operations	2.0
CACM 110B	Fundamental Food and Service: Cooking Techniques	2.0
CACM 122A	Restaurant and Catering Operations	1.5
CACM 122B	The Art of Menu Creation	1.5
CACM 132A	Meat, Seafood & Poultry	1.0
CACM 132B	Seafood Identification & Processing	1.5
CACM 132C	Meat Identification & Processing	1.5
CACM 133A	Menu Preparation Lab	2.0
CACM 133B	Modern Breakfast Service	2.0
CACM 202	Contemporary Restaurant Service	2.0
CACM 206A	Garde Manger I	2.0
CACM 206B	Garde Manger II	1.0
CACM 206C	Garde Manger III	1.5
CACM 212	Baking and Pastry	3.0
CACM 270	Work Experience	1.0
NUTR 150	Nutrition Science and Global Food Issues	3.0

Select three units (one course) from the following:**Units: 3.0**

CACM 214	Advanced Baking	3.0
CACM 215	Advanced Pastry	3.0

Total: 49.0

CULINARY ARTS/CULINARY MANAGEMENT - CERTIFICATE OF ACHIEVEMENT: MESA

Summary

In addition to knowledge of the culinary arts, this certificate includes coursework in hospitality management.

Learning Outcome(s): Students who complete the Culinary Arts/Culinary Management Program will be able to:

1. Demonstrate academic and practical knowledge of food flavorings and seasoning of common national and international cuisines.
2. Proficiently use all basic culinary equipment including large equipment to hand tools.
3. Demonstrate all knowledge necessary to produce food in a safe and sanitary fashion for public consumption.
4. Explain the relationship between purchasing, receiving, storage, production and cost of goods sold.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 30.5

HOSP 101	Introduction to Hospitality & Tourism	3.0
HOSP 111	Food and Beverage Management	3.0
HOSP 115	Strategic Leadership in Hospitality	3.0
CACM 102	Sanitation	2.0
CACM 103	Organization of Food	1.0
CACM 106	Theory of Food Principles	2.5
CACM 110A	Fundamental Food and Service: Restaurant Operations	2.0
CACM 110B	Fundamental Food and Service: Cooking Techniques	2.0
CACM 122A	Restaurant and Catering Operations	1.5
CACM 122B	The Art of Menu Creation	1.5
CACM 132A	Meat, Seafood & Poultry	1.0
CACM 132B	Seafood Identification & Processing	1.5
CACM 132C	Meat Identification & Processing	1.5
CACM 133A	Menu Preparation Lab	2.0
CACM 133B	Modern Breakfast Service	2.0
CACM 270	Work Experience	1.0

Total: 30.5

DANCE - ASSOCIATE OF ARTS DEGREE: MESA

Summary

The associate degree in Dance is designed for students who are preparing to audition for admission into a dance program at a four-year institution or for those wanting to pursue dance as a career.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Dance Program will be able to:

1. Identify, compare, contrast and evaluate theatrical forms of dance in a socio-historical context as an artistic, political or ideological medium of communication.
2. Identify, analyze, assess and perform dance combinations and choreography.
3. Identify specified line, design, technique and vocabulary as well as rhythmic, dynamic and emotional concepts for a wide variety of movement.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 7.0

DANC 181	History of Dance	3.0
DANC 183	Music for Dance	2.0
DANC 253	Choreography	2.0

Select 3 units from the following courses:

Units: 3.0

DANC 112B	Ballet II	1.5
DANC 112C	Ballet III	1.5
DANC 112D	Ballet IV	1.5

Select 3 units from the following courses:

Units: 3.0

DANC 137B	Jazz Dance II	1.5
DANC 137C	Jazz Dance III	1.5
DANC 137D	Jazz Dance IV	1.5

Select 3 units from the following courses:

Units: 3.0

DANC 142B	Modern Dance II	1.5
DANC 142C	Modern Dance III	1.5
DANC 142D	Modern Dance IV	1.5

Select 1.5 units from the following courses:

Units: 1.5

DANC 160A	Pilates - Stretch and Conditioning	1.0-1.5
DANC 160B	Pilates - Alignment and Correctives	1.0-1.5

Select 1.5 units from the following courses:

Units: 1.5

DANC 176A	Dance Improvisation	1.5
DANC 176B	Dance Improvisation II	1.5

Select 4 units from the following courses:

Units: 4.0

DANC 261A	Dance Performance I	2.0
DANC 261B	Dance Performance II	2.0
DANC 261C	Dance Performance III	2.0
DANC 261D	Dance Performance IV	2.0
DANC 271A	Stage Costuming for Dance	1.0-2.0
DANC 271B	Makeup for Dance Productions	1.0-2.0
DANC 271C	Lighting Design for Dance Production	1.0-2.0

Select 3 units from the following courses:

Units: 3.0

DANC 112A	Ballet I	1.5
DANC 117A	Tap Dance I	1.5
DANC 117B	Tap Dance II	1.5
DANC 117C	Tap Dance III	1.5
DANC 122A	Hip Hop I	1.5
DANC 122B	Hip Hop II	1.5
DANC 122C	Hip Hop III	1.5
DANC 122D	Hip Hop IV	1.5
DANC 125A	Latin American Dance I	1.0-1.5
DANC 125B	Latin American Dance II	1.0-1.5
DANC 126A	Belly Dance I	0.5-1.0
DANC 126B	Belly Dance II	0.5-1.0
DANC 127	Movement for Wellness	2.0
DANC 130A	Dance Repertoire	1.0
DANC 137A	Jazz Dance I	1.5
DANC 142A	Modern Dance I	1.5
DANC 145A	Ballroom Dance I	1.0-1.5

DENTAL ASSISTING (RDA, CDA) - ASSOCIATE OF SCIENCE DEGREE: MESA

Summary

The Dental Assisting Associate of Science degree prepares students for employment to work as a Dental Assistant as well as prepare students for their state and national boards. Training includes basic and advanced chairside dental supportive procedures; infection control protocol including sterilization of instruments; preparation and manipulation of a variety of dental materials; knowledge of correct operation of dental x-ray equipment including exposing, processing, and mounting dental radiographs; coronal polishing; pit and fissure sealants; clinical competency on dental patients; skills in written and verbal communications in the dental setting; California Dental Practice Act; dental business administration software and responsibilities; and knowledge in all dental specialties. Students must complete Directed Clinical Practice that allows them to advance their clinical skills.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Dental Assisting (RDA, CDA) Program will be able to:

1. Obtain licensure and certifications applicable to dental assisting.
2. Perform skills and apply knowledge of dental assisting to work as a chairside assistant and administrative assistant.
3. Conduct themselves as legal and ethical dental professionals within the scope of practice for dental assistants.
4. Communicate effectively , both verbally and in writing, as appropriate for a dental healthcare worker.
5. Promote positive change in the community through volunteering.

Accreditation

The San Diego Mesa Dental Assisting Program uses state-of-the-art dental equipment, hardware, and software to maintain relevance for dental assisting students and to be competitive with the other dental assisting schools. The dental field is changing rapidly in regards to new technology, equipment and allowable duties. Students interested in the administrative side of dentistry and office duties should review information under the Dental Office Administration Certificate of Achievement.

The Dental Assisting program is accredited by the Dental Board of California and the Commission on Dental Accreditation of the American Dental Association. Upon completion of the program, the student is awarded a Certificate of Achievement from the college and may complete an Associate degree with additional general education coursework. Students also receive a Radiation Safety Certificate to operate dental x-ray equipment in the State of California. At the completion of the program, students earn proof of completion in Coronal Polishing, Dental Sealants, Infection Control, and the California Dental Practice Act. Graduates are eligible to take the California Registered Dental Assistant (RDA) State Board and the Certified Dental Assistant (CDA) National Written Examination.

Directed Clinical Practice Requirement

Students accepted into the Dental Assisting program will be required to successfully complete DCP, clinically-based courses held in health care facilities. These facilities may require background checks, including fingerprinting and drug screening, as a condition of placement at the clinic.

Refusal to submit to a background check, or failure to meet clearance criteria established by the health care facility, may prevent placement in the DCP courses and thus, it may not be possible to successfully complete the program.

Health care facilities also require adherence to strict standards of conduct. Facilities may refuse educational access to any person who does not adhere to the facility's standards of safety, health and ethical behavior. This may be cause of removal from the program.

Admission Criteria

Students must maintain a grade of "C" (75%) or higher in all courses to continue in the program. Course repetition in this program is not permitted. This program is governed by the Allied Health Department Policies.

Eligibility for enrollment in this program is determined by a special admissions process. Interested persons should review program information on the [website](#).

Requirements

COURSES REQUIRED FOR THE MAJOR:		Units: 37.0
DENA 50	Dental Communications	3.0
DENA 56	Basic Dental Science	3.5
DENA 58	Preventive Dental Care	1.5
DENA 58L	Preventive Dental Care Lab	0.5
DENA 118	Dental Materials	2.5
DENA 118L	Dental Materials - Lab	0.5
DENA 54	Basic Dental Assisting	2.0
DENA 54L	Basic Dental Assisting Lab	2.0
DENA 83A	Directed Clinical Practice	1.5
DENA 138	Dental Radiography I	2.5
DENA 138L	Dental Radiography Lab	1.0
DENA 60	Clinical Business Management	1.5
DENA 60L	Clinical Business Management Lab	1.0
DENA 139	Dental Radiography II	0.5
DENA 62	Dental Specialties I	2.5
DENA 62L	Dental Specialties I Laboratory	2.0
DENA 82	Dental Specialties II	2.5
DENA 82L	Dental Specialties II Lab	2.0
DENA 83B	Directed Clinical Practice	4.5
		Total: 37.0

DENTAL ASSISTING (RDA, CDA) - CERTIFICATE OF ACHIEVEMENT: MESA

Summary

The Dental Assisting Certificate of Achievement prepares students for employment to work as a Dental Assistant as well as prepare students for their state and national boards. Training includes basic and advanced chairside dental supportive procedures; infection control protocol including sterilization of instruments; preparation and manipulation of a variety of dental materials; knowledge of correct operation of dental x-ray equipment including exposing, processing, and mounting dental radiographs; coronal polishing; pit and fissure sealants; clinical competency on dental patients; skills in written and verbal communications in the dental setting; California Dental Practice Act; dental business administration software and responsibilities; and knowledge in all dental specialties. Students must complete Directed Clinical Practice that allows them to advance their clinical skills.

Learning Outcome(s): Students who complete the Dental Assisting (RDA, CDA) Program will be able to:

1. Perform skills and apply knowledge of dental assisting to work as a chairside assistant and administrative assistant.
2. Obtain licensure and certifications applicable to dental assisting.

3. Conduct themselves as legal and ethical dental professionals within the scope of practice for dental assistants.
4. Communicate effectively , both verbally and in writing, as appropriate for a dental healthcare worker.
5. Promote positive change in the community through volunteering.

Accreditation

The San Diego Mesa Dental Assisting Program uses state-of-the-art dental equipment, hardware, and software to maintain relevance for dental assisting students and to be competitive with the other dental assisting schools. The dental field is changing rapidly in regards to new technology, equipment and allowable duties. Students interested in the administrative side of dentistry and office duties should review information under the Dental Office Administration Certificate of Achievement.

The Dental Assisting program is accredited by the Dental Board of California and the Commission on Dental Accreditation of the American Dental Association. Upon completion of the program, the student is awarded a Certificate of Achievement from the college and may complete an Associate degree with additional general education coursework. Students also receive a Radiation Safety Certificate to operate dental x-ray equipment in the State of California. At the completion of the program, students earn proof of completion in Coronal Polishing, Dental Sealants, Infection Control, and the California Dental Practice Act. Graduates are eligible to take the California Registered Dental Assistant (RDA) State Board and the Certified Dental Assistant (CDA) National Written Examination.

Directed Clinical Practice Requirement

Students accepted into the Dental Assisting program will be required to successfully complete DCP, clinically-based courses held in health care facilities. These facilities may require background checks, including fingerprinting and drug screening, as a condition of placement at the clinic.

Refusal to submit to a background check, or failure to meet clearance criteria established by the health care facility, may prevent placement in the DCP courses and thus, it may not be possible to successfully complete the program.

Health care facilities also require adherence to strict standards of conduct. Facilities may refuse educational access to any person who does not adhere to the facility's standards of safety, health and ethical behavior. This may be cause of removal from the program.

Admission Criteria

Students must maintain a grade of "C" (75%) or higher in all courses to continue in the program. Course repetition in this program is not permitted. This program is governed by the Allied Health Department Policies.

Eligibility for enrollment in this program is determined by a special admissions process. Interested persons should review program information at the [website](#).

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 37.0

DENA 50	Dental Communications	3.0
DENA 56	Basic Dental Science	3.5
DENA 58	Preventive Dental Care	1.5
DENA 58L	Preventive Dental Care Lab	0.5
DENA 118	Dental Materials	2.5
DENA 118L	Dental Materials - Lab	0.5
DENA 54	Basic Dental Assisting	2.0
DENA 54L	Basic Dental Assisting Lab	2.0
DENA 83A	Directed Clinical Practice	1.5
DENA 138	Dental Radiography I	2.5
DENA 138L	Dental Radiography Lab	1.0

DENA 60	Clinical Business Management	1.5
DENA 60L	Clinical Business Management Lab	1.0
DENA 139	Dental Radiography II	0.5
DENA 62	Dental Specialties I	2.5
DENA 62L	Dental Specialties I Laboratory	2.0
DENA 82	Dental Specialties II	2.5
DENA 82L	Dental Specialties II Lab	2.0
DENA 83B	Directed Clinical Practice	4.5

Total: 37.0

DENTAL OFFICE ADMINISTRATION - CERTIFICATE OF ACHIEVEMENT: MESA

Summary

The Dental Office Administration Certificate of Achievement prepares students to work in an administrative setting in a dental office. This certification can be completed in two semesters. Training includes skills in written and verbal communication with patients and insurance companies; knowledge of dental anatomy and terminology; competency in completing dental insurance forms and utilizing the software to bill and schedule patients. The certificate's DENA courses are part of the accredited Dental Assisting program, but presently the certificate itself doesn't fall under the accreditation process. Upon completion of this certificate, the student will be prepared to obtain a job working as an entry-level administrator within a dental office.

Award Note:

This program is not eligible for federal financial aid in accordance with Federal regulations.

Learning Outcome(s): Students who complete the Dental Office Administration Program will be able to:

1. Communicate effectively, both verbally and in writing, as appropriate for a dental healthcare worker.
2. Obtain licensure and certifications applicable to dental assisting.
3. Perform skills and apply knowledge of dental assisting to work as a chairside assistant and administrative assistant.
4. Conduct themselves as legal and ethical dental professionals within the scope of practice for dental assistants.
5. Promote positive change in the community through volunteering.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 12.0

DENA 50	Dental Communications	3.0
DENA 56	Basic Dental Science	3.5
DENA 60	Clinical Business Management	1.5
DENA 60L	Clinical Business Management Lab	1.0
COMS 135	Interpersonal Communication	3.0

Total: 12.0

DIGITAL STORYTELLING - CERTIFICATE OF ACHIEVEMENT: MESA

Summary

The Digital Storytelling Certificate of Achievement provides comprehensive training for students interested in the craft of digital video production within the discipline of Dramatic Arts. Students will focus study on developing the skills necessary to conceive, assemble, and share stories that engage audiences via the author's unique voice.

This certificate is designed for students majoring in dramatic arts and those interested in the creation of digital storytelling media for theatre, film, television, and streaming platforms.

Learning Outcome(s): Students who complete the Digital Storytelling Program will be able to:

1. Analyze and articulate the ideas and questions posited by the experience and study of theatre and film.
2. Expand their knowledge of the world and society through the engagement of dramatic arts.
3. Contribute effectively in the creative collaborative process.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 12.0

DRAM 114A	Digital Storytelling I	3.0
DRAM 114B	Digital Storytelling II	3.0
DRAM 119	Film and Television Performance	3.0
		3.0
DRAM 150	Cinema as Art and Communication I	3.0
OR		
DRAM 151	Cinema as Art and Communication II	3.0

Select 9 units from the following:

Units: 9.0

DRAM 104A	Theatre Company Performance I	1.0-2.0
DRAM 104B	Theatre Company Performance II	1.0-2.0
DRAM 106	Voice-Over Performance	3.0
DRAM 107	Study of Filmed Plays	3.0
DRAM 108	Playwriting	3.0
DRAM 112	Introduction to Script Analysis	3.0
DRAM 124	Makeup for the Stage	3.0
DRAM 165	Introduction to Stage Movement	3.0
DRAM 205	The American Musical on Stage and Screen	3.0
DRAM 244A	Theatre Workshop I	1.0-2.0
DRAM 244B	Theatre Workshop II	1.0-2.0
DRAM 268	Experimental Theatre	1.0-3.0

Total: 21.0

DRAMATIC ARTS - ASSOCIATE OF ARTS DEGREE: MESA

Summary

The Associate of Arts Degree in Dramatic Arts requires participation in the Mesa College Theatre Company (MCTC), a practical, hands-on production experience combined with intensive course work in the areas of acting, design, technical theatre, marketing and management. In addition to course work, students are encouraged to experience all of the craft areas utilized in the presentation of a play, providing a broad range of practical training. Successful completion of the AA Degree in Dramatic Arts prepares students for transfer with both the theory and practical experience necessary for either entry-level employment in the entertainment industry or transfer to a four-year institution.

The courses required for the major are intended to introduce the student to all aspects of theatre. Emphasis is placed on production, as participation results in active learning, allowing the student valuable hands-on experience. Through the course of the two year program, students will study acting scenery, costuming, lighting, and audio as well as being introduced to production and state management techniques and responsibilities.

While the required courses for the major in Dramatic Arts are intended to give the student a broad understanding of the various areas of study in the Dramatic Arts, required elective classes give the student the option to pursue

one of those areas in more detail. For the student interested in acting, additional acting classes, movement classes or voice classes are recommended. The technician/design student would pursue classes in art history, fashion history or practical lab courses. The student interested in production management should enroll in accounting and business classes that would further their base of knowledge in that area.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Dramatic Arts Program will be able to:

1. Analyze and articulate the ideas and questions posited by the experience and study of theatre and film.
2. Expand their knowledge of the world and society through the engagement of dramatic arts.
3. Contribute effectively in the creative collaborative process.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 29.0-33.0

DRAM 105	Introduction to Dramatic Arts	3.0
DRAM 100A	Fundamentals of Performance and Production I	4.0
DRAM 100B	Fundamentals of Performance and Production II	4.0
DRAM 104A	Theatre Company Performance I	1.0-2.0
DRAM 104B	Theatre Company Performance II	1.0-2.0
DRAM 112	Introduction to Script Analysis	3.0
DRAM 124	Makeup for the Stage	3.0
DRAM 200A	Fundamentals of Performance and Production III	4.0
DRAM 200B	Fundamentals of Performance and Production IV	4.0
DRAM 204A	Theatre Company Performance III	1.0-2.0
DRAM 204B	Theatre Company Performance IV	1.0-2.0

Choose six units from the following:

Units: 6.0

DRAM 106	Voice-Over Performance	3.0
DRAM 107	Study of Filmed Plays	3.0
DRAM 109	Theatre and Social Issues	3.0
DRAM 114A	Digital Storytelling I	3.0
DRAM 114B	Digital Storytelling II	3.0
DRAM 119	Film and Television Performance	3.0
DRAM 123	Beginning Stagecraft	3.0
DRAM 127	Sound For Theatre	2.0
DRAM 128	Stage Lighting Design	3.0
DRAM 129A	Beginning Scene Painting	3.0
DRAM 132	Beginning Acting	3.0
DRAM 133	Intermediate Acting	3.0
DRAM 134	Beginning Voice for Actors	3.0
DRAM 143	Beginning Costuming	3.0
DRAM 165	Introduction to Stage Movement	3.0
DRAM 205	The American Musical on Stage and Screen	3.0
DRAM 235	Literature to Life-A Scene Study Course	2.0
DRAM 244A	Theatre Workshop I	1.0-2.0
DRAM 244B	Theatre Workshop II	1.0-2.0
DRAM 244C	Theatre Workshop III	1.0-2.0
DRAM 244D	Theatre Workshop IV	1.0-2.0
DRAM 268	Experimental Theatre	1.0-3.0
DRAM 290	Independent Study	1.0-3.0

Total: 35.0-39.0

ECONOMICS - ASSOCIATE IN ARTS FOR TRANSFER DEGREE: MESA

Summary

The Associate in Arts in Economics for Transfer is intended for students who plan to complete a bachelor's degree in Economics or a related major in the California State University (CSU) system. It is accepted by some but not all CSU campuses. Students who complete this degree and transfer to a participating CSU campus will be required to complete no more than 60 units after transfer to earn a bachelor's degree. It may not be appropriate preparation for students transferring to a CSU campus that does not accept the degree. Students who plan to complete this degree should consult a counselor for additional information about participating CSU campuses as well as university admission, degree, and transfer requirements.

NOTE: Students intending to transfer into this major at a CSU should consult with a counselor and visit www.assist.org for guidance on appropriate transfer coursework.

Award Notes:

The following is required for all AA-T or AS-T degrees:

- Completion of 60 semester units that are eligible for transfer to the California State University
- Completion of a minimum of 18 semester units in an "AA-T" or "AS-T" major.
- Minimum grade point average (GPA) of at least 2.0 in all CSU-transferable coursework. While a minimum of 2.0 is required for admission, some CSU campuses and majors may require a higher GPA. Please see a counselor for more information.
- Minimum grade of "C" or "P" or better for each course in the major. Students should review the Pass/No Pass acceptance policy of the transfer institution prior to requesting this grade option.
- Certified completion of the California General Education Transfer Curriculum (Cal-GETC) pattern.

Learning Outcome(s): Students who complete the Economics Program will be able to:

1. Develop an understanding of business and the business environment, locally and globally, with an awareness of markets, finance and feasibility.
2. Analyze business problems, including uses of technology, issues of sustainability, and ethics, while comparing costs and benefits.
3. Communicate effectively in business with text and images utilizing traditional, digital, and developing media.
4. Network with peers and mentors on campus and in local businesses.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 12.0-15.0

ECON 120	Principles of Macroeconomics	3.0
ECON 121	Principles of Microeconomics	3.0
		3.0-4.0
BUSE 115	Statistics for Business	3.0
OR		
STAT C1000	Introduction to Statistics	3.0
OR		
		4.0
PSYC 258	Behavioral Science Statistics	3.0
AND		
PSYC 259	Behavioral Science Statistics Laboratory	1.0
		3.0-5.0
MATH 121	Basic Techniques of Applied Calculus I	3.0
OR		
MATH 150	Calculus with Analytic Geometry I	5.0

**CATEGORY A: SELECT ONE COURSE FROM THE FOLLOWING COURSES.
RECOMMEND SELECTING COURSES WHICH MEET THE LOWER DIVISION
MAJOR PREPARATION REQUIREMENTS OF YOUR PROSPECTIVE TRANSFER
UNIVERSITY (3-5 UNITS):**

Units: 3.0-5.0

ACCT 116A	Financial Accounting	4.0
ACCT 116B	Managerial Accounting	4.0
BUSE 119	Business Communications	3.0
BUSE 140	Business Law and the Legal Environment	3.0
CISC 181	Principles of Information Systems	4.0
COMS 160	Argumentation and Critical Thinking	3.0
ENGL C1001	Critical Thinking and Writing	3.0
MATH 104	Trigonometry	3.0
MATH 116	College and Matrix Algebra	3.0
MATH 122	Basic Techniques of Calculus II	3.0
MATH 141	Precalculus	5.0
MATH 255	Differential Equations	3.0
PHIL 205	Critical Thinking and Writing in Philosophy	3.0
SOCO 101	Principles of Sociology	3.0
CATEGORY A MAY ALSO BE SATISFIED AS FOLLOWS: COMPLETION OF A 5-UNIT LANGUAGE COURSE OTHER THAN ENGLISH, INCLUDING AMERICAN SIGN LANGUAGE (AMSL) COURSES.		5.0
AMSL 120	American Sign Language Level I	5.0
AMSL 121	American Sign Language Level II	5.0
AMSL 220	American Sign Language Level III	5.0
AMSL 221	American Sign Language Level IV	5.0
CHIN 101	First Course in Mandarin Chinese	5.0
CHIN 102	Second Course in Mandarin Chinese	5.0
CHIN 201	Third Course in Mandarin Chinese	5.0
CHIN 202	Fourth Course in Mandarin Chinese	5.0
FREN 101	First Course in French	5.0
FREN 102	Second Course in French	5.0
FREN 201	Third Course in French	5.0
FREN 202	Fourth Course in French	5.0
GERM 101	First Course in German	5.0
GERM 102	Second Course in German	5.0
GERM 201	Third Course in German	5.0
ITAL 101	First Course in Italian	5.0
ITAL 102	Second Course in Italian	5.0
ITAL 201	Third Course in Italian	5.0
JAPN 101	First Course in Japanese	5.0
JAPN 102	Second Course in Japanese	5.0
JAPN 201	Third Course in Japanese	5.0
JAPN 202	Fourth Course in Japanese	5.0
RUSS 101	First Course in Russian	5.0
RUSS 102	Second Course in Russian	5.0
RUSS 201	Third Course in Russian	5.0
SPAN 101	First Course in Spanish	5.0
SPAN 102	Second Course in Spanish	5.0
SPAN 201	Third Course in Spanish	5.0
SPAN 202	Fourth Course in Spanish	5.0
SPAN 215	Spanish for Spanish Speakers I	5.0
SPAN 216	Spanish for Spanish Speakers II	5.0

VIET 101	First Course in Vietnamese	5.0
VIET 102	Second Course in Vietnamese	5.0
VIET 201	Third Course in Vietnamese	5.0

CATEGORY B: SELECT ONE COURSE FROM THE FOLLOWING COURSES OR ANY COURSE(S) NOT SELECTED IN CATEGORY A (3-4 UNITS):

Units: 3.0-4.0

ECON 220	Economics of the Environment	3.0
MATH 252	Calculus with Analytic Geometry III	4.0

Total: 18.0-24.0

ELEMENTARY TEACHER EDUCATION - ASSOCIATE IN ARTS FOR TRANSFER DEGREE: MESA

Summary

The Associate in Arts for Transfer in Elementary Teacher Education is intended for students who plan to complete a bachelor's degree in Elementary Teacher Education or a related major in the California State University (CSU) system. It is recommended by some but not all CSU campuses. Students who complete this degree and transfer to a participating CSU campus will be required to complete no more than 60 units after transfer to earn a bachelor's degree. It may not be appropriate preparation for students transferring to a CSU campus that does not recommend the degree.

Award Notes:

The following is required for all AA-T or AS-T degrees:

- Completion of 60 semester units that are eligible for transfer to the California State University
- Completion of a minimum of 18 semester units in an "AA-T" or "AS-T" major.
- Minimum grade point average (GPA) of at least 2.0 in all CSU-transferable coursework. While a minimum of 2.0 is required for admission, some CSU campuses and majors may require a higher GPA. Please see a counselor for more information.
- Minimum grade of "C" or "P" or better for each course in the major. Students should review the Pass/No Pass acceptance policy of the transfer institution prior to requesting this grade option.
- Certified completion of the California General Education Transfer Curriculum (Cal-GETC) pattern.

Learning Outcome(s): Students who complete the Elementary Teacher Education Program will be able to:

1. Assess arguments as well as patterns and strategies of organization in a variety of texts and visual media.
2. Critically analyze conflicting claims and multiple perspectives on classic and contemporary issues.
3. Produce clear, thoughtful prose using appropriate steps of a writing process, including effective research strategies.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 41.0-46.0

BIOL 107	General Biology-Lecture and Laboratory	4.0
CHIL 101	Human Growth and Development	3.0
COMM C1000	Introduction to Public Speaking	3.0
ENGL C1000	Academic Reading and Writing	3.0

ENGL 208	Introduction to Literature	3.0
EDUC 200	Teaching as a Profession	2.0
EDUC 203	Field Experience for Prospective Teachers	1.0
GEOG 104	World Regional Geography	3.0
GEOL 104	Earth Science	3.0
GEOL 120	Earth Science Laboratory	1.0
HIST 100	World History I	3.0
HIST 109	History of the United States I	3.0
POLS C1000	American Government and Politics	3.0
MATH 210A	Concepts of Elementary School Mathematics I	3.0
		3.0-8.0
PHYN 105	Physical Science for Elementary Education	3.0
OR		
		8.0
PHYS 100	Introductory Physics	4.0
AND		
CHEM 100	Fundamentals of Chemistry	3.0
AND		
CHEM 100L	Fundamentals of Chemistry Laboratory	1.0

CATEGORY A: SELECT ONE COURSE (3 UNITS)

Units: 3.0

ENGL C1001	Critical Thinking and Writing	3.0
PHIL 205	Critical Thinking and Writing in Philosophy	3.0

CATEGORY B: SELECT ONE COURSE (3 UNITS)

Units: 3.0

ARTF 100	Art Orientation	3.0
DRAM 105	Introduction to Dramatic Arts	3.0
MUSI 100	Introduction to Music	3.0

CATEGORY C: SELECT 0 to 12 ADDITIONAL UNITS

Units: 1.0-8.0

ARTF 110	Art History: Prehistoric to Gothic	3.0
ARTF 111	Art History: Renaissance to Modern	3.0
ARTF 155A	Freehand Drawing I	3.0
BIOL 210A	Introduction to the Biological Sciences I	4.0
BIOL 210B	Introduction to the Biological Sciences II	4.0
BIOL 215	Introduction to Zoology	4.0
BIOL 235	Human Physiology	4.0
BIOL 250	Introduction to Botany	4.0
BLAS 140A	African American History to Reconstruction	3.0
BLAS 140B	African American History since Reconstruction to the Present	3.0
CHIC 141A	United States History from a Chicano Perspective	3.0
CHIC 141B	United States History from a Chicano Perspective	3.0
COMS 135	Interpersonal Communication	3.0
COMS 160	Argumentation and Critical Thinking	3.0
COMS 170	Small Group Communication	3.0
DANC 181	History of Dance	3.0
ENGL 105	Composition and Literature	3.0
ENGL 210	American Literature I	3.0
ENGL 211	American Literature II	3.0

ENGL 215	English Literature I: 800-1799	3.0
ENGL 216	English Literature II: 1800 - Present	3.0
ENGL 220	Masterpieces of World Literature I: 1500 BCE - 1600 CE	3.0
ENGL 221	Masterpieces of World Literature II: 1600 - Present	3.0
EXSC 240	Physical Education in the Elementary Schools	3.0
GEOG 102	Cultural Geography	3.0
GEOL 100	Physical Geology	3.0
GEOL 101	Physical Geology Laboratory	1.0
HIST 110	History of the United States History II	3.0
HIST 150	Native Americans in United States History I	3.0
HIST 151	Native Americans in United States History II	3.0
HIST 175	California History	3.0
HUMA 103	Introduction to the New Testament	3.0
HUMA 104	Introduction to the Old Testament	3.0
HUMA 106	World Religions	3.0
STAT C1000	Introduction to Statistics	3.0
MATH 210B	Concepts of Elementary School Mathematics II	3.0
MATH 212	Children's Mathematical Thinking	1.0
MUSI 110	Music for Elementary School Teachers	3.0
PHIL 100	Logic and Critical Thinking	3.0
PHIL 102A	Introduction to Philosophy: Reality and Knowledge	3.0
PHIL 102B	Introduction to Philosophy: Values	3.0
PHIL 103	Historical Introduction To Philosophy	3.0
PHYN 100	Survey of Physical Science	3.0
PHYN 101	Survey of Physical Science Laboratory	1.0
PSYC C1000	Introduction to Psychology	3.0
PSYC 230	Psychology of Lifespan Development	3.0

Total: 48.0-60.0

ENGINEERING - ASSOCIATE OF SCIENCE DEGREE: MESA

Summary

Upon completion of the required pattern of engineering courses and other degree graduation requirements an Associate of Science Degree in Engineering will be granted. A Certificate of Achievement is also offered.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Engineering Program will be able to:

1. Clearly communicate scientific principles, experimental results, and their implications.
2. Apply conceptual and mathematical tools to correctly predict the future state of physical systems.
3. Use proportional reasoning and graphical analysis to establish and analyze relationships between measured quantities.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 11.0

ENGE 151	Computer-Aided Design	2.0
ENGE 200	Statics	3.0
ENGE 210	Properties of Materials	3.0
ENGE 250	Dynamics	3.0

Select 24 units from the following:**Units: 24.0**

CHEM 200	General Chemistry I - Lecture	3.0
CHEM 200L	General Chemistry I - Laboratory	2.0
ENGE 116	Computational Methods in Engineering	3.0
ENGE 211	Properties of Materials - Laboratory	1.0
ENGE 240	Digital Systems	3.0
ENGE 260	Electric Circuits	3.0
MATH 150	Calculus with Analytic Geometry I	5.0
MATH 151	Calculus with Analytic Geometry II	4.0
MATH 252	Calculus with Analytic Geometry III	4.0
PHYS 195	Mechanics	5.0
PHYS 196	Electricity and Magnetism	5.0
PHYS 197	Waves, Optics and Modern Physics	5.0

Total: 35.0

ENGINEERING - CERTIFICATE OF ACHIEVEMENT: MESA

Summary

Upon completion of the required pattern of engineering courses and other degree graduation requirements an Associate of Science Degree in Engineering will be granted. A Certificate of Achievement is also offered.

Learning Outcome(s): Students who complete the Engineering Program will be able to:

1. Clearly communicate scientific principles, experimental results, and their implications.
2. Apply conceptual and mathematical tools to correctly predict the future state of physical systems.
3. Use proportional reasoning and graphical analysis to establish and analyze relationships between measured quantities.

Requirements

COURSES REQUIRED FOR THE MAJOR:**Units: 11.0**

ENGE 151	Computer-Aided Design	2.0
ENGE 200	Statics	3.0
ENGE 210	Properties of Materials	3.0
ENGE 250	Dynamics	3.0

Select 24 units from the following:**Units: 24.0**

CHEM 200	General Chemistry I - Lecture	3.0
CHEM 200L	General Chemistry I - Laboratory	2.0
ENGE 116	Computational Methods in Engineering	3.0
ENGE 211	Properties of Materials - Laboratory	1.0
ENGE 240	Digital Systems	3.0
ENGE 260	Electric Circuits	3.0
MATH 150	Calculus with Analytic Geometry I	5.0
MATH 151	Calculus with Analytic Geometry II	4.0
MATH 252	Calculus with Analytic Geometry III	4.0
PHYS 195	Mechanics	5.0
PHYS 196	Electricity and Magnetism	5.0
PHYS 197	Waves, Optics and Modern Physics	5.0

Total: 35.0

ENGLISH - ASSOCIATE IN ARTS FOR TRANSFER DEGREE: MESA

Summary

The Associate in Arts in English for Transfer is intended for students who plan to complete a bachelor's degree in English or a related major in the California State University (CSU) system. It is accepted by some but not all CSU campuses. Students who complete this degree and transfer to a participating CSU campus will be required to complete no more than 60 units after transfer to earn a bachelor's degree. It may not be appropriate preparation for students transferring to a CSU campus that does not accept the degree. Students who plan to complete this degree should consult a counselor for additional information about participating CSU campuses as well as university admission, degree, and transfer requirements.

NOTE: Students intending to transfer into this major at a CSU should consult with a counselor and visit www.assist.org for guidance on appropriate transfer coursework.

Award Notes:

The following is required for all AA-T or AS-T degrees:

- Completion of 60 semester units that are eligible for transfer to the California State University
- Completion of a minimum of 18 semester units in an "AA-T" or "AS-T" major.
- Minimum grade point average (GPA) of at least 2.0 in all CSU-transferable coursework. While a minimum of 2.0 is required for admission, some CSU campuses and majors may require a higher GPA. Please see a counselor for more information.
- Minimum grade of "C" or "P" or better for each course in the major. Students should review the Pass/No Pass acceptance policy of the transfer institution prior to requesting this grade option.
- Certified completion of the California General Education Transfer Curriculum (Cal-GETC) pattern.

Learning Outcome(s): Students who complete the English Program will be able to:

1. Assess arguments as well as patterns and strategies of organization in a variety of texts and visual media.
2. Critically analyze conflicting claims and multiple perspectives on classic and contemporary issues.
3. Produce clear, thoughtful prose using appropriate steps of a writing process, including effective research strategies.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 6.0

ENGL C1001	Critical Thinking and Writing	3.0
ENGL 208	Introduction to Literature	3.0

Category A: Select two of the following courses. Sequential courses highly preferred. Recommend selecting courses which meet the lower division major preparation requirements of your prospective transfer university. (Minimum of six units):

Units: 6.0

ENGL 210	American Literature I	3.0
ENGL 211	American Literature II	3.0
ENGL 215	English Literature I: 800-1799	3.0
ENGL 216	English Literature II: 1800 - Present	3.0
ENGL 220	Masterpieces of World Literature I: 1500 BCE - 1600 CE	3.0
ENGL 221	Masterpieces of World Literature II: 1600 - Present	3.0

Category B: Select one of the following courses or any course not selected in Category A. Recommend selecting a course which meets the lower division major preparation requirements of your prospective transfer university. (Minimum of three units):

Units: 3.0

ENGL C1000	Academic Reading and Writing	3.0
ENGL 105	Composition and Literature	3.0
ENGL 245A	Writing Creative Nonfiction	3.0
ENGL 247A	Writing Seminar - Poetry	3.0
ENGL 249A	Introduction to Creative Writing I	3.0

Category C: Select one of the following courses or any course not selected in Category A or B. Recommend selecting a course which fulfills the lower division major preparation requirements of your prospective transfer university. (Minimum of three units):

Units: 3.0-5.0

ENGL 202	Introduction to Linguistics	3.0
ENGL 207	The Art of the Sentence	3.0
ENGL 209	Literary Approaches to Film	3.0
ENGL 230	Asian American Literature	3.0
ENGL 237	Women in Literature	3.0
ENGL 240	Shakespeare	3.0
ENGL 245B	Advanced Creative Nonfiction	3.0
ENGL 247B	Advanced Writing Seminar - Poetry	3.0
ENGL 249B	Introduction to Creative Writing II	3.0
ENGL 252A	Fundamentals of Fiction Writing	3.0
ENGL 252B	Intermediate Fiction Writing	3.0
BLAS 155	African American Literature	3.0
CHIC 130	Mexican Literature in Translation	3.0
CHIC 135	Chicana/o Literature	3.0
DRAM 105	Introduction to Dramatic Arts	3.0
JOUR 200	Introduction to Newswriting and Reporting	3.0

CATEGORY C MAY ALSO BE SATISFIED AS FOLLOWS: COMPLETION OF A 5-UNIT LANGUAGE COURSE OTHER THAN ENGLISH, INCLUDING AMERICAN SIGN LANGUAGE (AMSL) COURSES.

AMSL 120	American Sign Language Level I	5.0
AMSL 121	American Sign Language Level II	5.0
AMSL 220	American Sign Language Level III	5.0
AMSL 221	American Sign Language Level IV	5.0
CHIN 101	First Course in Mandarin Chinese	5.0
CHIN 102	Second Course in Mandarin Chinese	5.0
CHIN 201	Third Course in Mandarin Chinese	5.0
CHIN 202	Fourth Course in Mandarin Chinese	5.0
FREN 101	First Course in French	5.0
FREN 102	Second Course in French	5.0
FREN 201	Third Course in French	5.0
FREN 202	Fourth Course in French	5.0
GERM 101	First Course in German	5.0
GERM 102	Second Course in German	5.0
GERM 201	Third Course in German	5.0
ITAL 101	First Course in Italian	5.0
ITAL 102	Second Course in Italian	5.0
ITAL 201	Third Course in Italian	5.0
JAPN 101	First Course in Japanese	5.0
JAPN 102	Second Course in Japanese	5.0
JAPN 201	Third Course in Japanese	5.0
JAPN 202	Fourth Course in Japanese	5.0
RUSS 101	First Course in Russian	5.0

RUSS 102	Second Course in Russian	5.0
RUSS 201	Third Course in Russian	5.0
SPAN 101	First Course in Spanish	5.0
SPAN 102	Second Course in Spanish	5.0
SPAN 201	Third Course in Spanish	5.0
SPAN 202	Fourth Course in Spanish	5.0
SPAN 215	Spanish for Spanish Speakers I	5.0
SPAN 216	Spanish for Spanish Speakers II	5.0
VIET 101	First Course in Vietnamese	5.0
VIET 102	Second Course in Vietnamese	5.0
VIET 201	Third Course in Vietnamese	5.0

Total: 18.0-20.0

ENGLISH - ASSOCIATE OF ARTS DEGREE: MESA

Summary

For students seeking a broad appreciation of literature and increased skills in communication. Superior ability to understand and use English is necessary for success in such careers as education, writing, advertising, selling, journalism, law, business and government. Students planning to transfer to a four-year institution should learn the requirements for English majors at that institution.

Note: English 205 meets SDSU/CSU critical thinking requirement. Not all courses are offered at each campus. For graduation requirements see Academic Requirements section of catalog. The associate degree requires a minimum of 60 units. Transferable Units as Prep for the Major at SDSU: SDSU will accept a total of 12 units of literature and creative writing as preparation for the English Major. This includes any combination of lower division literature courses and up to six units of creative writing courses.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the English Program will be able to:

1. Produce clear, thoughtful prose using appropriate steps of a writing process, including effective research strategies.
2. Critically analyze conflicting claims and multiple perspectives on classic and contemporary issues.
3. Assess arguments as well as patterns and strategies of organization in a variety of texts and visual media.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 12.0

ENGL C1000	Academic Reading and Writing	3.0
OR		
ENGL 105	Composition and Literature	3.0
ENGL C1001	Critical Thinking and Writing	3.0
ENGL 215	English Literature I: 800-1799	3.0
ENGL 216	English Literature II: 1800 - Present	3.0

Select three units from the following (recommended sequence for UC transfer):

Units: 3.0

ENGL 208	Introduction to Literature	3.0
ENGL 220	Masterpieces of World Literature I: 1500 BCE - 1600 CE	3.0

ENGL 221	Masterpieces of World Literature II: 1600 - Present	3.0
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Select three units from the following (Recommended sequence for UC transfer) Units: 3.0

ENGL 210	American Literature I	3.0
ENGL 211	American Literature II	3.0
ENGL 230	Asian American Literature	3.0
ENGL 245A	Writing Creative Nonfiction	3.0
ENGL 247A	Writing Seminar - Poetry	3.0
ENGL 249A	Introduction to Creative Writing I	3.0

Select 10 - 12 units from the following: Units: 10.0-12.0

ENGL 202	Introduction to Linguistics	3.0
ENGL 207	The Art of the Sentence	3.0
ENGL 209	Literary Approaches to Film	3.0
ENGL 234	Hip Hop Literature: A Poetry Class	3.0
ENGL 237	Women in Literature	3.0
ENGL 240	Shakespeare	3.0
ENGL 245A	Writing Creative Nonfiction	3.0
ENGL 245B	Advanced Creative Nonfiction	3.0
ENGL 247A	Writing Seminar - Poetry	3.0
ENGL 247B	Advanced Writing Seminar - Poetry	3.0
ENGL 249A	Introduction to Creative Writing I	3.0
ENGL 249B	Introduction to Creative Writing II	3.0
ENGL 252A	Fundamentals of Fiction Writing	3.0
ENGL 252B	Intermediate Fiction Writing	3.0
HUMA 101	Introduction to the Humanities I	3.0
HUMA 102	Introduction to the Humanities II	3.0
HUMA 201	Mythology	3.0
JOUR 200	Introduction to Newswriting and Reporting	3.0
JOUR 210A	Newspaper Production 1	2.0-3.0
JOUR 210B	Newspaper Production 2	2.0-3.0
JOUR 210C	Newspaper Production 3	2.0-3.0
JOUR 210D	Newspaper Production 4	2.0-3.0

¹If not taken in "Select three units..." above.

Total: 28.0-30.0

FASHION DESIGN - ASSOCIATE OF SCIENCE DEGREE: MESA

Summary

The Fashion program offers a variety of courses that allow students to develop skills to pursue careers in fashion and costume design, fashion merchandising, fashion design technology, fashion merchandising technology, and related fashion careers. With a high emphasis on technology, both computer and equipment-based, students obtain skills that assist them in securing positions and advance in the fashion field. Coursework is supplemented with participation in field excursions, guest lecturers, work experience positions, and opportunities that involve the local fashion community. Much of the emphasis of the program is on active student learning and participation in class and campus activities that involve leadership and planning. A strong advisory board of fashion professionals provides input to the program and supports various activities on and off-campus. Students planning to transfer to a four-year institution should consult the counseling department and a Fashion faculty advisor for assistance in program planning.

The Fashion Program recommends that students take Fash 130 & 130L early in their course of study.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Fashion Design Program will be able to:

1. Demonstrate effective communication and critical thinking through oral presentations and written work.
2. Use current technology such as computers, peripherals, and software or sewing equipment pertinent to fashion design or merchandising.
3. Compare and contrast how various cultures and countries interrelate in the global fashion community.
4. Achieve a set of skills that keeps them current and allows them to secure employment in the Fashion industry.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 43.0-49.0

FASH 105	Introduction to Fashion	3.0
		3.0
FASH 120	Fashion History and Trends	3.0
OR		
FASH 122	Ethnic Costume	3.0
FASH 125	Fashion Selection	3.0
FASH 130	Apparel Construction I	3.0
FASH 130L	Apparel Construction I Laboratory	1.0
FASH 131	Apparel Construction II	3.0
FASH 131L	Apparel Construction II Laboratory	1.0
FASH 140	Clothing Design and Flat Pattern I	3.0
FASH 142	Fashion Illustration & Technical Sketching	3.0
FASH 145	Clothing Design Through Draping	3.0
FASH 145L	Clothing Design Through Draping Laboratory	1.0
FASH 150	Advanced Fashion Design	3.0
		1.0-4.0
FASH 155	Fashion Field Studies	1.0-4.0
OR		
FASH 156	International Fashion Field Studies: Overview	1.0-4.0
OR		
FASH 157	International Field Studies: Focused Study	1.0-4.0
OR		
FASH 158	Fashion Field Studies: Trade Shows/Markets	1.0-4.0
FASH 168	Textiles	3.0
		3.0
FASH 175	Computer Fashion Design: Adobe PhotoShop	3.0
OR		
FASH 176	Computer Fashion Design: Adobe Illustrator	3.0
FASH 270	Work Experience	1.0-4.0
CBTE 140	Beginning Microsoft Excel	2.0
ARTF 150A	Two-Dimensional Design	3.0

Choose three units from the following:

Units: 3.0

FASH 109	Fashion Product Development	3.0
FASH 121	Ethnic Costume: Overview of History and Design	1.0
FASH 122	Ethnic Costume	3.0

FASH 123	Introduction to Costume Development	3.0
FASH 124	Costume Understructures	1.0
FASH 135	Tailoring	3.0
FASH 141	Clothing Design and Flat Pattern II	3.0
FASH 143	Advanced Fashion Illustration and Technical Sketching	1.5
FASH 147	Stretch Knits: Design and Construction	1.0
FASH 160	Millinery Techniques	1.0
FASH 161	Millinery Flat Pattern Design	1.0
FASH 162	Millinery Blocking	1.0
FASH 166	Fitting Techniques and Alterations	3.0
FASH 169	Textile Design Practicum	3.0
FASH 170	Textile Design	1.0
FASH 171	Computer Flat Pattern Design I	3.0
FASH 172	Computer Flat Pattern Design II	3.0

Total: 46.0-52.0

FASHION DESIGN - CERTIFICATE OF ACHIEVEMENT: MESA

Summary

The Fashion program offers a variety of courses that allow students to develop skills to pursue careers in fashion and costume design, fashion merchandising, fashion design technology, fashion merchandising technology, and related fashion careers. With a high emphasis on technology, both computer and equipment-based, students obtain skills that assist them in securing positions and advance in the fashion field. Coursework is supplemented with participation in field excursions, guest lecturers, work experience positions, and opportunities that involve the local fashion community. Much of the emphasis of the program is on active student learning and participation in class and campus activities that involve leadership and planning. A strong advisory board of fashion professionals provides input to the program and supports various activities on and off-campus. Students planning to transfer to a four-year institution should consult the counseling department and a Fashion faculty advisor for assistance in program planning.

The Fashion Program recommends that students take Fash 130 & 130L early in their course of study.

Learning Outcome(s): Students who complete the Fashion Design Program will be able to:

1. Demonstrate effective communication and critical thinking through oral presentations and written work.
2. Use current technology such as computers, peripherals, and software or sewing equipment pertinent to fashion design or merchandising.
3. Compare and contrast how various cultures and countries interrelate in the global fashion community
4. Achieve a set of skills that keeps them current and allows them to secure employment in the Fashion industry.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 31.0-37.0

FASH 105	Introduction to Fashion	3.0
		3.0
FASH 120	Fashion History and Trends	3.0
OR		
FASH 122	Ethnic Costume	3.0
FASH 125	Fashion Selection	3.0
FASH 130	Apparel Construction I	3.0
FASH 130L	Apparel Construction I Laboratory	1.0
FASH 140	Clothing Design and Flat Pattern I	3.0

FASH 142	Fashion Illustration & Technical Sketching	3.0
FASH 145	Clothing Design Through Draping	3.0
FASH 145L	Clothing Design Through Draping Laboratory	1.0
		1.0-4.0
FASH 155	Fashion Field Studies	1.0-4.0
OR		
FASH 156	International Fashion Field Studies: Overview	1.0-4.0
OR		
FASH 157	International Field Studies: Focused Study	1.0-4.0
OR		
FASH 158	Fashion Field Studies: Trade Shows/Markets	1.0-4.0
FASH 168	Textiles	3.0
		3.0
FASH 175	Computer Fashion Design: Adobe PhotoShop	3.0
OR		
FASH 176	Computer Fashion Design: Adobe Illustrator	3.0
FASH 270	Work Experience	1.0-4.0

Total: 31.0-37.0

FASHION MERCHANDISING - ASSOCIATE OF SCIENCE DEGREE: MESA

Summary

The Fashion Merchandising Associate of Science Degree is designed for a student interested in a fashion merchandising-related career. Students gain an understanding of career opportunities within the fashion industry and develop a working knowledge of the phases involved in a constantly changing fashion industry. The AS provides the opportunity a student to transfer to a university, to advance from foundational skills, and move forward from entry-level positions to mid-career level positions in sales, retail, marketing, wholesale buying, visual presentation, event production, or styling.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Fashion Merchandising Program will be able to:

1. Use current technology such as computers, peripherals, and software or sewing equipment pertinent to fashion design or merchandising.
2. Demonstrate effective communication and critical thinking through oral presentations and written work.
3. Compare and contrast how various cultures and countries interrelate in the global fashion community.
4. Achieve a set of skills that keeps them current and allows them to secure employment in the Fashion industry.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 27.5-29.5

FASH 105	Introduction to Fashion	3.0
FASH 108	Analysis, Evaluation, and Comparison of Ready-to-Wear Fashion	3.0
FASH 110	Fashion Buying/Management	3.0
FASH 112	Fashion Promotion	3.0
FASH 113	Fashion Event Planning and Production	1.5
FASH 115	Visual Merchandising	3.0
FASH 125	Fashion Selection	3.0
FASH 168	Textiles	3.0

FASH 173	Fashion Marketing on the Internet	1.0
FASH 270	Work Experience	2.0-4.0
CBTE 140	Beginning Microsoft Excel	2.0

Select one course from the following:

Units: 3.0

FASH 109	Fashion Product Development	3.0
FASH 111	Fashion E-commerce	3.0
FASH 179	Fashion Photo Styling	3.0
FASH 190	Fashion Entrepreneurship	3.0

Select one course from the following:

Units: 3.0

FASH 175	Computer Fashion Design: Adobe PhotoShop	3.0
FASH 176	Computer Fashion Design: Adobe Illustrator	3.0
FASH 178	Computer Publishing and Portfolio	3.0

Select one course from the following:

Units: 1.0-4.0

FASH 155	Fashion Field Studies	1.0-4.0
FASH 156	International Fashion Field Studies: Overview	1.0-4.0
FASH 157	International Field Studies: Focused Study	1.0-4.0
FASH 158	Fashion Field Studies: Trade Shows/Markets	1.0-4.0

Total: 34.5-39.5

FASHION MERCHANDISING - CERTIFICATE OF ACHIEVEMENT: MESA

Summary

The Fashion Merchandising Certificate of Achievement is designed for a student interested in a fashion merchandising-related career. Students gain an understanding of career opportunities within the fashion industry and develop a working knowledge of the phases involved in a constantly changing fashion industry. The CoA provides the opportunity to advance from foundational skills and move forward from entry-level positions to mid-career level positions in sales, retail, marketing, wholesale buying, visual presentation, event production, or styling.

Learning Outcome(s): Students who complete the Fashion Merchandising Program will be able to:

1. Demonstrate effective communication and critical thinking through oral presentations and written work.
2. Use current technology such as computers, peripherals, and software or sewing equipment pertinent to fashion design or merchandising.
3. Compare and contrast how various cultures and countries interrelate in the global fashion community.
4. Achieve a set of skills that keeps them current and allows them to secure employment in the Fashion industry

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 12.0-14.0

FASH 110	Fashion Buying/Management	3.0
FASH 112	Fashion Promotion	3.0
FASH 115	Visual Merchandising	3.0
FASH 173	Fashion Marketing on the Internet	1.0
FASH 270	Work Experience	2.0-4.0

Select one course from the following:

Units: 3.0

FASH 109	Fashion Product Development	3.0
FASH 111	Fashion E-commerce	3.0
FASH 179	Fashion Photo Styling	3.0
FASH 190	Fashion Entrepreneurship	3.0

Select one course from the following:

Units: 3.0

FASH 175	Computer Fashion Design: Adobe PhotoShop	3.0
FASH 176	Computer Fashion Design: Adobe Illustrator	3.0
FASH 178	Computer Publishing and Portfolio	3.0

Select one course from the following:

Units: 1.0-4.0

FASH 155	Fashion Field Studies	1.0-4.0
FASH 156	International Fashion Field Studies: Overview	1.0-4.0
FASH 157	International Field Studies: Focused Study	1.0-4.0
FASH 158	Fashion Field Studies: Trade Shows/Markets	1.0-4.0

Total: 19.0-24.0

FASHION TECHNOLOGY: MERCHANDISING - CERTIFICATE OF ACHIEVEMENT: MESA

Summary

The Fashion Technology: Merchandising Certificate of Achievement offers students courses that prepare them for work in Fashion Merchandising. The emphasis on software and technology provides students with a sound background that expands career options to include a growing number of fashion merchandising positions requiring strong computer and software skills. Students are trained to work in areas of fashion graphics, buying, marketing (traditional and Internet), promotion and publishing, business skills and general management for both small and large business operations.

The Fashion Program suggests students take Fashion 270, Work Experience, near the end of their course of study.

Learning Outcome(s): Students who complete the Fashion Technology: Merchandising Program will be able to:

1. Demonstrate effective communication and critical thinking through oral presentations and written work.
2. Use current technology such as computers, peripherals, and software or sewing equipment pertinent to fashion design or merchandising.
3. Compare and contrast how various cultures and countries interrelate in the global fashion community.
4. Achieve a set of skills that keeps them current and allows them to secure employment in the Fashion industry.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 23.0-26.0

FASH 109	Fashion Product Development	3.0
FASH 111	Fashion E-commerce	3.0
FASH 158	Fashion Field Studies: Trade Shows/Markets	1.0-4.0
FASH 173	Fashion Marketing on the Internet	1.0
FASH 175	Computer Fashion Design: Adobe PhotoShop	3.0
FASH 176	Computer Fashion Design: Adobe Illustrator	3.0
FASH 178	Computer Publishing and Portfolio	3.0
FASH 179	Fashion Photo Styling	3.0
FASH 190	Fashion Entrepreneurship	3.0

FERMENTATION MANAGEMENT - ASSOCIATE OF SCIENCE DEGREE: MESA

Summary

The Fermentation Management program includes study of the production, management and business of the following industries: brewing, distilling, wine making, coffee roasting, and other various fermented beverages. Both the Certificate of Achievement and Associate of Science include study in the business aspect of the industry including sales and marketing, law, accounting, importing, distribution and operations. They also include the study of the production of beer, wine, spirits and other fermented beverages. The Associate of Science includes laboratory courses in beer and wine production, as well as other fermented beverages. The Associate of Science also helps prepare students for transfer to a similar four-year program.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Fermentation Management Program will be able to:

1. Emphasize a broad foundation in fermentation management and practice.
2. Prepare students for all stages of fermentation management and how it relates to production, operations, finance, hiring, retail, sales, marketing, laws, and regulations.
3. Provide students with an understanding of the fermentation process, timeline, and ideal environment for the process to take place.
4. Produce quality fermented beverages safely utilizing equipment comparable to beverage manufacturing operations. (Fermentation Management AS only)

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 30.0

FERM 101	Introduction to Yeast and Fermentation	3.0
FERM 110	Importing and Distribution	3.0
FERM 120	Fundamentals of Spirits	2.0
FERM 130	Flavor and Form	2.0
FERM 140	Beer Production Laboratory	4.0
HOSP 102	Hospitality Accounting	3.0
HOSP 111	Food and Beverage Management	3.0
HOSP 130	Hospitality Law	3.0
HOSP 270	Work Experience	3.0
ACCT 116A	Financial Accounting	4.0

Select four (4) units from the following combination of courses:

Units: 4.0

		4.0
		4.0
CHEM 111	Chemistry in Society	3.0
AND		
CHEM 111L	Chemistry in Society Laboratory	1.0
OR		
		4.0
CHEM 152	Introduction to General Chemistry	3.0
AND		
CHEM 152L	Introduction to General Chemistry Laboratory	1.0

¹CHEM 152 and CHEM 152L are recommended for students who may want to transfer to similar university program.

Select three (3) units from one of the following courses:

Units: 3.0

BUSE 115	Statistics for Business	3.0
OR		3.0
STAT C1000	Introduction to Statistics	3.0
OR		
MATH 121	Basic Techniques of Applied Calculus I	3.0

¹MATH 121 is recommended for students who may want to transfer to similar university program.

Total: 37.0

FERMENTATION MANAGEMENT - CERTIFICATE OF ACHIEVEMENT: MESA

Summary

The Fermentation Management program includes study of the production, management and business of the following industries: brewing, distilling, wine making, coffee roasting, and other various fermented beverages. Both the Certificate of Achievement and Associate of Science include study in the business aspect of the industry including sales and marketing, law, accounting, importing, distribution and operations. They also include the study of the production of beer, wine, spirits and other fermented beverages. The Associate of Science includes laboratory courses in beer and wine production, as well as other fermented beverages. The Associate of Science also helps prepare students for transfer to a similar four-year program.

Learning Outcome(s): Students who complete the Fermentation Management Program will be able to:

1. Emphasize a broad foundation in fermentation management and practice.
2. Prepare students for all stages of fermentation management and how it relates to production, operations, finance, hiring, retail, sales, marketing, laws, and regulations.
3. Provide students with an understanding of the fermentation process, timeline, and ideal environment for the process to take place.
4. Produce quality fermented beverages safely utilizing equipment comparable to beverage manufacturing operations. (Fermentation Management AS only)

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 29.0

FERM 101	Introduction to Yeast and Fermentation	3.0
FERM 110	Importing and Distribution	3.0
FERM 120	Fundamentals of Spirits	2.0
FERM 130	Flavor and Form	2.0
HOSP 102	Hospitality Accounting	3.0
HOSP 111	Food and Beverage Management	3.0
HOSP 121	Sales, Marketing and Brand Management	3.0
HOSP 130	Hospitality Law	3.0
HOSP 270	Work Experience	3.0
ACCT 116A	Financial Accounting	4.0

Total: 29.0

FINE ART - CERTIFICATE OF PERFORMANCE: MESA

Summary

The Certificate of Performance in Fine Art certifies that the student has completed the core course work in Fine Art and has demonstrated an operational understanding of critical visual skills.

Award Notes:

A Certificate of Performance is a departmental award that does not appear on the student's transcript. All courses must be completed within the San Diego Community College District.

This program is not eligible for federal financial aid in accordance with Federal regulations.

Learning Outcome(s): Students who complete the Fine Art Program will be able to:

1. Expand the vision of the role of art in the greater culture.
2. Develop an awareness of cultural diversity (and its use/effect on art-making).
3. Engage visual art as defined in a progression of change.
4. Apply critical thinking in visual terms.
5. Employ art concepts and terminology effectively
6. Understand the creative process of art-making.
7. Understand materials, methods and techniques both historical and contemporary and the contexts in which they are employed.
8. Be assessed through a combination of performance evaluations, written assignments, and written tests and quizzes.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 15.0

		3.0
ARTF 110	Art History: Prehistoric to Gothic	3.0
OR		
ARTF 111	Art History: Renaissance to Modern	3.0
ARTF 150A	Two-Dimensional Design	3.0
ARTF 150B	Beginning Graphic Design	3.0
ARTF 151	Three-Dimensional Design	3.0
ARTF 155A	Freehand Drawing I	3.0

Total: 15.0

FINE ART: ART HISTORY - ASSOCIATE OF ARTS DEGREE: MESA

Summary

The Fine Art: Art History Associate of Arts Degree focuses on the development of an understanding of the core foundation of a global history of art. Students will be able to apply and expand this knowledge to specific problems of media and context. Successful completion of the courses indicates that a student has achieved an applicable understanding of certain essential visual skills to critically analyze cultural and historical factors that manifest in various types of visual media.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Fine Art: Art History Program will be able to:

1. Engage visual art as defined in a progression of change.
2. Expand the vision of the role of art in the greater culture.
3. Affect critical thinking in visual terms.

4. Develop an awareness of cultural diversity (and its use/effect on art-making).
5. Employ art concepts and terminology effectively.
6. Understand the creative process of art-making.
7. Understand materials, methods and techniques both historical and contemporary and the contexts in which they are employed.
8. Be assessed through a combination of performance evaluations, written assignments, and written tests and quizzes.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 24.0

ARTF 107	Contemporary Art	3.0
ARTF 109	Modern Art	3.0
ARTF 110	Art History: Prehistoric to Gothic	3.0
ARTF 111	Art History: Renaissance to Modern	3.0
ARTF 113	Arts of Africa, Oceania, and the Americas	3.0
ARTF 125	Art History: Arts of the Asian Continent	3.0
ARTF 150A	Two-Dimensional Design	3.0
		3.0
ARTF 151	Three-Dimensional Design	3.0
OR		
ARTF 155A	Freehand Drawing I	3.0
OR		
ARTF 231	Introduction to Digital Art	3.0

Select nine units (three courses) from the following:

Units: 9.0

ARTF 106	Art of the United States: Colonial to Modern Period	3.0
ARTF 108	Women in Art	3.0
ARTF 115	African Art	3.0
ARTF 120	Native American Art	3.0
ARTF 130	Pre-Columbian Art	3.0
ARTF 161A	Museum Studies/Gallery Exhibition Skills I	3.0
ARTF 165A	Composition in Painting I	3.0
ARTF 175A	Sculpture I	3.0
ARTF 188	Women and Gender in Photography	3.0
ARTF 191	Cultural Influences on Photography	3.0
ARTF 194	Critical Photography	3.0
ARTF 195A	Ceramics I	3.0
ARTF 210A	Life Drawing I	3.0
BLAS 110	African American Art	3.0
CHIC 230	Chicano Art	3.0

Total: 33.0

FINE ART: CERAMICS - ASSOCIATE OF ARTS DEGREE: MESA

Summary

The Fine Art: Ceramics Associate of Arts Degree focuses on the expansion of artistic practice through exploration, experimentation, studio work and study. Students are encouraged to integrate traditional, contemporary and alternative materials and processes as they express themselves through skill development, critical thinking and artistic discourse relevant to the ceramics medium.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Fine Art: Ceramics Program will be able to:

1. Expand the vision of the role of art in the greater culture.
2. Develop an awareness of cultural diversity (and its use/effect on art-making).
3. Engage visual art as defined in a progression of change.
4. Apply critical thinking in visual terms
5. Employ art concepts and terminology effectively.
6. Understand the creative process of art-making.
7. Understand materials, methods and techniques both historical and contemporary and the contexts in which they are employed.
8. Be assessed through a combination of performance evaluations, written assignments, and written tests and quizzes.

Requirements**COURSES REQUIRED FOR THE MAJOR:****Units: 18.0**

ARTF 107	Contemporary Art	3.0
		3.0
ARTF 109	Modern Art	3.0
OR		
ARTF 110	Art History: Prehistoric to Gothic	3.0
OR		
ARTF 111	Art History: Renaissance to Modern	3.0
ARTF 150A	Two-Dimensional Design	3.0
ARTF 151	Three-Dimensional Design	3.0
ARTF 155A	Freehand Drawing I	3.0
ARTF 231	Introduction to Digital Art	3.0

Complete the Requirements for the Ceramics Emphasis:**Units: 9.0**

ARTF 195A	Ceramics I	3.0
ARTF 195B	Ceramics II	3.0
ARTF 197A	Handbuilding Ceramics I	3.0

Select six units (two courses) from the following:**Units: 6.0**

ARTF 175A	Sculpture I	3.0
ARTF 197B	Handbuilding Ceramics II	3.0
ARTF 220A	Life Sculpture I	3.0
ARTF 196	Clay and Glaze Technology	3.0

Select three units (one course) from the following:**Units: 3.0**

ARTF 113	Arts of Africa, Oceania, and the Americas	3.0
ARTF 115	African Art	3.0
ARTF 120	Native American Art	3.0
ARTF 125	Art History: Arts of the Asian Continent	3.0
BLAS 110	African American Art	3.0
CHIC 230	Chicano Art	3.0

Total: 36.0

FINE ART: DIGITAL ART - ASSOCIATE OF ARTS DEGREE: MESA

Summary

The Fine Arts program aims to develop student understanding of current and historical art practices and theoretical issues. The program investigates new media and technologies as it builds upon foundational skills. It strives to provide a challenging learning environment of research, originality and experimentation through student engagement and interaction. The major consists of core courses, plus additional courses that define an area of emphasis.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Fine Art: Digital Art Program will be able to:

1. Expand the vision of the role of art in the greater culture.
2. Develop an awareness of cultural diversity (and its use/effect on art-making).
3. Engage visual art as defined in a progression of change.
4. Apply critical thinking in visual terms.
5. Employ art concepts and terminology effectively
6. Understand the creative process of art-making.
7. Understand materials, methods and techniques both historical and contemporary and the contexts in which they are employed.
8. Be assessed through a combination of performance evaluations, written assignments, and written tests and quizzes.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 18.0

ARTF 110	Art History: Prehistoric to Gothic	3.0
ARTF 111	Art History: Renaissance to Modern	3.0
ARTF 150A	Two-Dimensional Design	3.0
ARTF 151	Three-Dimensional Design	3.0
ARTF 155A	Freehand Drawing I	3.0
ARTF 231	Introduction to Digital Art	3.0

Complete course requirements for emphasis in Digital Art.

Units: 12.0

ARTF 107	Contemporary Art	3.0
ARTF 161A	Museum Studies/Gallery Exhibition Skills I	3.0
ARTF 232	Introduction to Digital Drawing and Painting	3.0
ARTF 233	Introduction to Digital Photographic Imaging	3.0

Select three units (one course) from the following:

Units: 3.0

ARTF 165A	Composition in Painting I	3.0
ARTF 210A	Life Drawing I	3.0
ARTF 190A	Black and White Art Photography	3.0
ARTF 191	Cultural Influences on Photography	3.0
ARTF 205A	Installation, Performance, and New Genres	3.0
MULT 100	Introduction to Visual Communication	3.0

Total: 33.0

FINE ART: MUSEUM STUDIES - ASSOCIATE OF ARTS DEGREE: MESA

Summary

The Fine Art: Museum Studies Associate of Arts Degree focuses on theoretical and hands-on instruction in curatorial practice. Students participate in the workings of the college gallery through the development of supplemental materials and the creation and installation of exhibits. Completion of an internship at a local museum or art venue teaches students to apply their skills within a professional arts setting. Students may obtain an Associate of Arts degree, complete preparation for the major in fine art and/or transfer to a four-year institution. Careers related to this field include art practice, gallery management and curatorial practice.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Fine Art: Museum Studies Program will be able to:

1. Expand the vision of the role of art in the greater culture.
2. Develop an awareness of cultural diversity (and its use/effect on art-making).
3. Engage visual art as defined in a progression of change.
4. Apply critical thinking in visual terms.
5. Employ art concepts and terminology effectively.
6. Understand the creative process of art-making.
7. Understand materials, methods and techniques both historical and contemporary and the contexts in which they are employed.
8. Be assessed through a combination of performance evaluations, written assignments, and written tests and quizzes.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 18.0

Complete the Art Major Core Course Requirements:

ARTF 107	Contemporary Art	3.0
		3.0
ARTF 109	Modern Art	3.0
OR		
ARTF 110	Art History: Prehistoric to Gothic	3.0
OR		
ARTF 111	Art History: Renaissance to Modern	3.0
ARTF 150A	Two-Dimensional Design	3.0
ARTF 151	Three-Dimensional Design	3.0
ARTF 155A	Freehand Drawing I	3.0
ARTF 233	Introduction to Digital Photographic Imaging	3.0

Complete the requirements for the Museum Studies emphasis:

Units: 13.0

ARTF 161A	Museum Studies/Gallery Exhibition Skills I	3.0
ARTF 161B	Museum Studies/Gallery Exhibition Skills II	3.0
ARTF 163	Art Museum/Gallery Internship	4.0
		3.0
CHIC 230	Chicano Art	3.0
OR		
ARTF 115	African Art	3.0

Select three units (one course) from the following:

Units: 3.0

ARTF 113	Arts of Africa, Oceania, and the Americas	3.0
ARTF 115	African Art	3.0

ARTF 120	Native American Art	3.0
ARTF 125	Art History: Arts of the Asian Continent	3.0
BLAS 110	African American Art	3.0
CHIC 230	Chicano Art	3.0
ARTF 130	Pre-Columbian Art	3.0
ARTF 152	Color Theory	3.0
ARTF 191	Cultural Influences on Photography	3.0
ARTF 194	Critical Photography	3.0
ARTF 198A	Introduction to Printmaking I	3.0
ARTF 231	Introduction to Digital Art	3.0

Total: 34.0

FINE ART: PHOTOGRAPHY AND NEW GENRES - ASSOCIATE OF ARTS DEGREE: MESA

Summary

The Fine Art: Photography and New Genres Associate of Arts Degree focuses on developing student understanding of photographic art practice and theory and inventing new sites of cultural production, methodologies and genres in the process. Students learn to produce visually compelling content using knowledge of composition, light, and camera operation. They are challenged to build upon these technical skills by applying their own critical theories and aesthetic and ethical concerns. By examining diverse cultural movements and alternate philosophical viewpoints students are able to relate these perspectives to the development of a self-sustaining and coherent set of artistic principles.

Note:

The Fine Art: Photography and New Genres Associate of Arts degree certifies that a student has explored a particular interest in art in an orderly manner and has produced a range of work indicative of a thorough understanding of the visual arts as a discipline. The Fine Art: Photography and New Genres award prepares the student for successful completion of requirements for a baccalaureate degree in Art, Fine Art Photography, Design/Media, Film Studies and Television, Digital Media, Museum Administration and Curation.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Fine Art: Photography and New Genres Program will be able to:

1. Expand the vision of the role of art in the greater culture.
2. Develop an awareness of cultural diversity (and its use/effect on art-making).
3. Engage visual art as defined in a progression of change.
4. Apply critical thinking in visual terms.
5. Employ art concepts and terminology effectively.
6. Understand the creative process of art-making.
7. Understand materials, methods and techniques both historical and contemporary and the contexts in which they are employed.
8. Be assessed through a combination of performance evaluations, written assignments, and written tests and quizzes.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 18.0

ARTF 107	Contemporary Art	3.0
		3.0
ARTF 106	Art of the United States: Colonial to Modern Period	3.0
OR		
ARTF 109	Modern Art	3.0
OR		
ARTF 110	Art History: Prehistoric to Gothic	3.0
OR		
ARTF 111	Art History: Renaissance to Modern	3.0
ARTF 150A	Two-Dimensional Design	3.0
ARTF 151	Three-Dimensional Design	3.0
ARTF 155A	Freehand Drawing I	3.0
ARTF 231	Introduction to Digital Art	3.0

Complete the Requirements for the Photography Emphasis:

Units: 19.0

ARTF 188	Women and Gender in Photography	3.0
ARTF 190A	Black and White Art Photography	3.0
ARTF 191	Cultural Influences on Photography	3.0
ARTF 194	Critical Photography	3.0
ARTF 200	Photographic Composition and Theory	3.0
ARTF 233	Introduction to Digital Photographic Imaging	3.0
ARTF 280F	Photography Studio Lab	1.0

Total: 37.0

FINE ART: THREE-DIMENSIONAL - ASSOCIATE OF ARTS DEGREE: MESA

Summary

The Fine Art: Three-Dimensional Associate of Arts Degree focuses on the development of sustained artistic practice through exploration, experimentation, studio work and study. Students are encouraged to examine and explore all the creative possibilities offered by three dimensional art forms as well as where their work fits into the history of art and contemporary art practice.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Fine Art: Three-Dimensional Program will be able to:

1. Engage visual art as defined in a progression of change.
2. Develop an awareness of cultural diversity (and its use/effect on art-making).
3. Expand the vision of the role of art in the greater culture.
4. Apply critical thinking in visual terms.
5. Employ art concepts and terminology effectively.
6. Understand the creative process of art-making.
7. Understand materials, methods and techniques both historical and contemporary and the contexts in which they are employed.
8. Be assessed through a combination of performance evaluations, written assignments, and written tests and quizzes.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 18.0

Complete the Art Major Core Course Requirements:

ARTF 107	Contemporary Art	3.0
ARTF 109	Modern Art	3.0
OR		
ARTF 110	Art History: Prehistoric to Gothic	3.0
OR		
ARTF 111	Art History: Renaissance to Modern	3.0
ARTF 150A	Two-Dimensional Design	3.0
ARTF 231	Introduction to Digital Art	3.0
ARTF 151	Three-Dimensional Design	3.0
ARTF 155A	Freehand Drawing I	3.0

Courses Required for the Three Dimensional Emphasis:

Units: 10.0

ARTF 175A	Sculpture I	3.0
ARTF 175B	Sculpture II	3.0
ARTF 195A	Ceramics I	3.0
ARTF 280B	3-Dimensional Art Studio Lab	1.0

Select Three Units (One Course) from the Following:

Units: 3.0

ARTF 113	Arts of Africa, Oceania, and the Americas	3.0
ARTF 115	African Art	3.0
ARTF 120	Native American Art	3.0
ARTF 125	Art History: Arts of the Asian Continent	3.0
BLAS 110	African American Art	3.0
CHIC 230	Chicano Art	3.0

Select Three Units (One Course) from the Following:

Units: 3.0

ARTF 165A	Composition in Painting I	3.0
ARTF 190A	Black and White Art Photography	3.0
ARTF 191	Cultural Influences on Photography	3.0
ARTF 194	Critical Photography	3.0
ARTF 198A	Introduction to Printmaking I	3.0
ARTF 205A	Installation, Performance, and New Genres	3.0
ARTF 210A	Life Drawing I	3.0
ARTF 220A	Life Sculpture I	3.0

Total: 34.0

FINE ART: TWO-DIMENSIONAL - ASSOCIATE OF ARTS DEGREE: MESA

Summary

The Fine Art: Two-Dimensional Associate of Arts Degree focuses on the development of sustained artistic practice through exploration, experimentation, studio work and study. As students develop ideas and express them in a variety of two-dimensional forms, they are prompted to examine how their artwork reflects the time and culture within which they are creating it and how their work fits into the history of art and contemporary art practice.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Fine Art: Two-Dimensional Program will be able to:

1. Expand the vision of the role of art in the greater culture.

2. Develop an awareness of cultural diversity (and its use/effect on art-making).
3. Engage visual art as defined in a progression of change.
4. Apply critical thinking in visual terms.
5. Employ art concepts and terminology effectively
6. Understand the creative process of art-making.
7. Understand materials, methods and techniques both historical and contemporary and the contexts in which they are employed.
8. Be assessed through a combination of performance evaluations, written assignments, and written tests and quizzes.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 18.0

Complete the Art Major Core Course Requirements:

ARTF 107	Contemporary Art	3.0
		3.0
ARTF 109	Modern Art	3.0
OR		
ARTF 110	Art History: Prehistoric to Gothic	3.0
OR		
ARTF 111	Art History: Renaissance to Modern	3.0
ARTF 150A	Two-Dimensional Design	3.0
ARTF 151	Three-Dimensional Design	3.0
ARTF 155A	Freehand Drawing I	3.0
ARTF 231	Introduction to Digital Art	3.0

Complete the requirements for the Two-Dimensional Emphasis:

Units: 7.0

ARTF 165A	Composition in Painting I	3.0
ARTF 210A	Life Drawing I	3.0
		1.0
ARTF 280A	2-Dimensional Art Studio Lab	1.0
OR		
ARTF 280F	Photography Studio Lab	1.0

Select six units (two courses) from the following:

Units: 6.0

ARTF 155B	Freehand Drawing II	3.0
ARTF 165B	Composition in Painting II	3.0
ARTF 165C	Composition in Painting III	3.0
ARTF 191	Cultural Influences on Photography	3.0
ARTF 194	Critical Photography	3.0
ARTF 198A	Introduction to Printmaking I	3.0
ARTF 232	Introduction to Digital Drawing and Painting	3.0

Select three units (one course) from the following:

Units: 3.0

ARTF 113	Arts of Africa, Oceania, and the Americas	3.0
ARTF 115	African Art	3.0
ARTF 120	Native American Art	3.0
ARTF 125	Art History: Arts of the Asian Continent	3.0

BLAS 110	African American Art	3.0
CHIC 230	Chicano Art	3.0

Total: 34.0

FOUNDATIONS OF FASHION MERCHANDISING - CERTIFICATE OF ACHIEVEMENT: MESA

Summary

The Foundations of Fashion Merchandising Certificate of Achievement is designed to provide students of fashion merchandising a collaborative learning environment in which to develop the necessary retail, marketing, and merchandising skills to compete, with industry standard tools and processes, in the field of fashion merchandising. The program provides students with a multifaceted and comprehensive approach to fashion merchandising. The program curriculum is structured to provide students with dynamic integration of applied and theoretical learning opportunities. Upon completion, students will be qualified for entry-level employment in a fashion merchandising occupation.

Learning Outcome(s): Students who complete the Foundations of Fashion Merchandising Program will be able to:

1. Demonstrate effective communication and critical thinking through oral presentations and written work.
2. Use current technology such as computers, peripherals, and software or sewing equipment pertinent to fashion design or merchandising.
3. Compare and contrast how various cultures and countries interrelate in the global fashion community.
4. Achieve a set of skills that keeps them current and allows them to secure employment in the Fashion industry.

Requirements

COURSES REQUIRED FOR THE MAJOR:		Units: 15.5
FASH 105	Introduction to Fashion	3.0
FASH 108	Analysis, Evaluation, and Comparison of Ready-to-Wear Fashion	3.0
FASH 113	Fashion Event Planning and Production	1.5
FASH 125	Fashion Selection	3.0
FASH 168	Textiles	3.0
CBTE 140	Beginning Microsoft Excel	2.0

Select one course from the following:		Units: 3.0
FASH 110	Fashion Buying/Management	3.0
FASH 112	Fashion Promotion	3.0
FASH 115	Visual Merchandising	3.0

Select one course from the following:		Units: 3.0
FASH 109	Fashion Product Development	3.0
FASH 111	Fashion E-commerce	3.0
FASH 179	Fashion Photo Styling	3.0
FASH 190	Fashion Entrepreneurship	3.0

Total: 21.5

FOUNDATIONS OF WEB DEVELOPMENT - CERTIFICATE OF ACHIEVEMENT: MESA

Summary

The Web Development program serves students entering fields that need Web Development skills and knowledge and working professionals who need to learn new skills for their current job or for career advancement. The program prepares students to design and create Web sites, including integrating databases and content management systems, creating multimedia elements, and editing content to follow writing for the Web guidelines. Students acquire a solid foundation in usability, accessibility, and design principles, as well as technical skills at hand coding HTML, CSS, PHP and MySQL. Students use industry standard software and practices to prepare for entry-level careers.

Learning Outcome(s): Students who complete the Foundations of Web Development Program will be able to:

1. Evaluate and apply appropriate technology to support specific business activities and business solutions.
2. Analyze specific business problems or situations and identify possible solutions, including predictive analysis, synthesis of information, resourcefulness, and troubleshooting.
3. Choose the appropriate mode of communication for a specific situation and then communicate ideas, concepts, and solutions through effective written and oral communication.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 18.0

WEBD 152	Beginning Web Development: HyperText Markup Language (HTML) and Cascading Style Sheets (CSS)	3.0
WEBD 154	Creating User-Centered Content	3.0
WEBD 164	Javascript Fundamentals for Web Development	3.0
WEBD 168	Intermediate HTML (HyperText Markup Language) and CSS (Cascading Style Sheets) for Web Design	3.0
WEBD 171	Advanced JavaScript for Web Development	3.0
WEBD 191	Professional Practices in Web Design	3.0

Total: 18.0

FRENCH - ASSOCIATE OF ARTS DEGREE: MESA

Summary

Program provides training in the fundamental skills of understanding, speaking, reading and writing the language, and increases one's familiarity with the French language. From a vocational standpoint, the curriculum will provide a student with skills useful in translating, interpreting, teaching, linguistic or literary research, music, foreign trade, or missionary work. The major requires 26 units in French, unless the student has completed two years of French in high school (with a "C" average or better). In this case, the department will determine the courses necessary to complete the requirements.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the French Program will be able to:

1. Utilize targeted language skills to complete a general program of lower division coursework, pursue language study at the transfer level, for personal enrichment, or for professional development.
2. Demonstrate level-appropriate proficiency on the ACTFL scale in understanding, speaking, reading, and writing of the targeted language.
3. Apply knowledge of and sensitivity to aspects of behavior, attitudes, and values of targeted language-speaking countries to connect with the global community.

Requirements

COURSES REQUIRED FOR THE MAJOR:**Units:** 26.0

FREN 101	First Course in French	5.0
FREN 102	Second Course in French	5.0
FREN 201	Third Course in French	5.0
FREN 202	Fourth Course in French	5.0
FREN 210	Conversation and Composition in French I	3.0
FREN 211	Conversation and Composition French II	3.0

Total: 26.0

GEOGRAPHIC INFORMATION SYSTEMS - ASSOCIATE OF SCIENCE DEGREE: MESA

Summary

Geographic Information Systems (GIS) integrates hardware, software and data in a geographic format that is used to make decisions and share information. GIS connects the world we live in by allowing us to view, understand, interpret, and visualize data. GIS uses maps to reveal patterns and relationships. The GIS program is designed to prepare students with the technological skills and knowledge to map information that provides insights into social, economic, business, and environmental issues. This growing field is finding a place in almost every industry and academic area. These include anthropology, archaeology, biology, firefighting, police, business and finance, real estate, medicine and disease control.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Geographic Information Systems Program will be able to:

1. Evaluate and apply appropriate geospatial technologies to support specific industry activities and solutions.
2. Analyze specific business problems or situations and identify possible solutions, including predictive analysis, synthesis of information, resourcefulness, and troubleshooting.
3. Choose the appropriate mode of communication for a specific situation and then communicate ideas, concepts, and solutions through effective written and oral communication.

Requirements

COURSES REQUIRED FOR THE MAJOR:**Units:** 25.0-28.0

GISG 104	Geographic Information Science and Spatial Reasoning	3.0
GISG 110	Introduction to Mapping and Geographic Information Systems	3.0
GISG 111	Geographic Information Systems and Cartography	3.0
GISG 112	Spatial Analysis with Geographic Information Systems	3.0
GISG 113	Advanced Geographic Information Systems Applications	3.0
GISG 114	Spatial Databases in Geographic Information Systems	3.0
GISG 130	Introduction to Remote Sensing	3.0
GISG 131	Introduction to Digital Image Processing	3.0
GISG 270	Geographic Information Systems Work Experience	1.0-4.0

Select three to four units in a programming language:**Units:** 3.0-4.0

CISC 179	Introduction to Python Programming	4.0
CISC 190	Java Programming	4.0
CISC 192	C/C++ Programming	4.0
WEBD 152	Beginning Web Development: HyperText Markup Language (HTML) and Cascading Style Sheets (CSS)	3.0

WEBD 164	Javascript Fundamentals for Web Development	3.0
Select five units from:		Units: 5.0
ANTH 103	Introduction to Cultural Anthropology	3.0
ANTH 107	Introduction to Archaeology	3.0
ARCH 100	Graphic Design Communication I	2.0
ARCH 101	Archicad	3.0
ARCH 112	AutoCAD	3.0
ARCH 170	Architectural Design	4.0
BIOL 100	Natural History - Environmental Biology	4.0
CISC 186	Visual Basic Programming	4.0
CISC 190	Java Programming	4.0
CISC 192	C/C++ Programming	4.0
CBTE 140	Beginning Microsoft Excel	2.0
CBTE 151	Microsoft Access: Basic	1.0
GEOG 101	Physical Geography	3.0
GEOG 102	Cultural Geography	3.0
GEOG 104	World Regional Geography	3.0
GEOG 154	Introduction to Urban Geography	3.0
GEOL 100	Physical Geology	3.0
MARK 100	Principles of Marketing	3.0
MARK 110	Principles of Retailing	3.0
MARK 130	Advertising Principles	3.0
PHYN 100	Survey of Physical Science	3.0
POLI 101	Introduction to Political Science	3.0
POLS C1000	American Government and Politics	3.0
POLI 103	Comparative Politics	3.0
REAL 101	Real Estate Principles	3.0
REAL 105	Legal Aspects of Real Estate	3.0
REAL 125	Real Estate Economics	3.0
WEBD 152	Beginning Web Development: HyperText Markup Language (HTML) and Cascading Style Sheets (CSS)	3.0
WEBD 164	Javascript Fundamentals for Web Development	3.0
WEBD 167	Using Web Databases	3.0

Total: 33.0-37.0

GEOGRAPHIC INFORMATION SYSTEMS TECHNICIAN - CERTIFICATE OF ACHIEVEMENT: MESA

Summary

Geographic Information Systems (GIS) integrates hardware, software and data in a geographic format that is used to make decisions and share information. GIS connects the world we live in by allowing us to view, understand, interpret, and visualize data. GIS uses maps to reveal patterns and relationships. The GIS program is designed to prepare students with technological skills and knowledge to map information that provides insights into social, economic, business, and environmental issues. This growing field is finding a place in almost every industry and academic area. These include anthropology, archaeology, biology, firefighting, police, business and finance, real estate, medicine and disease control.

Learning Outcome(s): Students who complete the Geographic Information Systems Technician Program will be able to:

1. Evaluate and apply appropriate geospatial technologies to support specific industry activities and solutions.
2. Analyze specific business problems or situations and identify possible solutions, including predictive analysis, synthesis of information, resourcefulness, and troubleshooting.
3. Choose the appropriate mode of communication for a specific situation and then communicate ideas, concepts, and solutions through effective written and oral communication.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 17.0-19.0

GISG 110	Introduction to Mapping and Geographic Information Systems	3.0
GISG 111	Geographic Information Systems and Cartography	3.0
GISG 112	Spatial Analysis with Geographic Information Systems	3.0
GISG 113	Advanced Geographic Information Systems Applications	3.0
GISG 114	Spatial Databases in Geographic Information Systems	3.0
GISG 270	Geographic Information Systems Work Experience	2.0-4.0

Total: 17.0-19.0

GEOGRAPHY - ASSOCIATE IN ARTS FOR TRANSFER DEGREE: MESA

Summary

The Associate in Arts in Geography for Transfer is intended for students who plan to complete a bachelor's degree in Geography or a related major in the California State University (CSU) system. It is accepted by some but not all CSU campuses. Students who complete this degree and transfer to a participating CSU campus will be required to complete no more than 60 units after transfer to earn a bachelor's degree. It may not be appropriate preparation for students transferring to a CSU campus that does not accept the degree. Students who plan to complete this degree should consult a counselor for additional information about participating CSU campuses as well as university admission, degree, and transfer requirements.

NOTE: Students intending to transfer into this major at a CSU should consult with a counselor and visit www.assist.org for guidance on appropriate transfer coursework.

Award Notes:

The following is required for all AA-T or AS-T degrees:

- Completion of 60 semester units that are eligible for transfer to the California State University
- Completion of a minimum of 18 semester units in an "AA-T" or "AS-T" major.
- Minimum grade point average (GPA) of at least 2.0 in all CSU-transferable coursework. While a minimum of 2.0 is required for admission, some CSU campuses and majors may require a higher GPA. Please see a counselor for more information.
- Minimum grade of "C" or "P" or better for each course in the major. Students should review the Pass/No Pass acceptance policy of the transfer institution prior to requesting this grade option.
- Certified completion of the California General Education Transfer Curriculum (Cal-GETC) pattern.

Learning Outcome(s): Students who complete the Geography Program will be able to:

1. Think critically in reading about topics in Geography, thereby identifying problems, theses, arguments, evidence and conclusions.
2. Write or speak about topics in Geography, thereby addressing problems, formulating theses, making arguments, analyzing and weighing evidence, and deriving conclusions.
3. Understand one's role in society, take responsibility for one's own actions, and make ethical decisions in complex situations.
4. Articulate similarities and contrasts among cultures, times, and environments, demonstrating an understanding of cultural pluralism.
5. Understand applications and implications of technology and to use technology in ways appropriate to the situation. This outcome includes information competency skills.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 7.0

GEOG 101	Physical Geography	3.0
GEOG 101L	Physical Geography Laboratory	1.0
GEOG 102	Cultural Geography	3.0

Category A: Select two of the following courses (6 units minimum):

Units: 6.0

GEOG 104	World Regional Geography	3.0
GISG 104	Geographic Information Science and Spatial Reasoning	3.0
GISG 111	Geographic Information Systems and Cartography	3.0

Category B: Select 2 or more courses from the following, not selected in Category A (6 units minimum):

Units: 6.0

ANTH 103	Introduction to Cultural Anthropology	3.0
GEOL 100	Physical Geology	3.0
GEOG 154	Introduction to Urban Geography	3.0
STAT C1000	Introduction to Statistics	3.0

Total: 19.0

GEOGRAPHY - ASSOCIATE OF ARTS DEGREE: MESA

Summary

Geography is the study of cultural systems, the natural environment, and human-environment interactions. Geographers examine spatial distributions and patterns in a wide range of topics, such as urban sprawl, global climate change, the spread of religions, the growth of the global economy, migration trends, and the impact of environmental hazards. Depending on the course, geography is considered either a natural science (e.g., physical geography) or a social science (e.g., world regional geography). Regardless of area of emphasis, geographers understand the importance of scale (from local to global) when investigating real-world problems.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Geography Program will be able to:

1. Think critically in reading about topics in Geography, thereby identifying problems, theses, arguments, evidence and conclusions.
2. Write or speak about topics in Geography, thereby addressing problems, formulating theses, making arguments, analyzing and weighing evidence, and deriving conclusions.
3. Demonstrate an ability to understand one's role in society, take responsibility for one's own actions, and make ethical decisions in complex situations.
4. Articulate similarities and contrasts among cultures, times, and environments, demonstrating an understanding of cultural pluralism.
5. Understand applications and implications of technology and to use technology in ways appropriate to the situation. This outcome includes information competency skills.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 10.0

GEOG 101	Physical Geography	3.0
GEOG 101L	Physical Geography Laboratory	1.0
GEOG 102	Cultural Geography	3.0

GEOG 104	World Regional Geography	3.0
Select two courses from the following:		Units: 6.0
GEOG 154	Introduction to Urban Geography	3.0
GISG 104	Geographic Information Science and Spatial Reasoning	3.0
STAT C1000	Introduction to Statistics	3.0
Select one course from the following:		Units: 3.0-5.0
ANTH 102	Introduction to Biological Anthropology	3.0
ANTH 103	Introduction to Cultural Anthropology	3.0
BIOL 101	Issues in Environmental Science & Sustainability	4.0
BIOL 110	Introduction to Oceanography	3.0
		5.0
CHEM 200	General Chemistry I - Lecture	3.0
AND		
CHEM 200L	General Chemistry I - Laboratory	2.0
GEOG 154	Introduction to Urban Geography	3.0
GEOL 100	Physical Geology	3.0
GISG 104	Geographic Information Science and Spatial Reasoning	3.0
STAT C1000	Introduction to Statistics	3.0
MATH 121	Basic Techniques of Applied Calculus I	3.0
MATH 150	Calculus with Analytic Geometry I	5.0

Total: 19.0-21.0

GEOLOGY - ASSOCIATE IN SCIENCE FOR TRANSFER DEGREE: MESA

Summary

The Associate in Science in Geology for Transfer is intended for students who plan to complete a bachelor's degree in Geology or a related major in the California State University (CSU) system. It is accepted by some but not all CSU campuses. Students who complete this degree and transfer to a participating CSU campus will be required to complete no more than 60 units after transfer to earn a bachelor's degree. It may not be appropriate preparation for students transferring to a CSU campus that does not accept the degree.

NOTE: Students intending to transfer into this major at a CSU should consult with a counselor and visit www.assist.org for guidance on appropriate transfer coursework.

Award Notes:

The following is required for all AA-T or AS-T degrees:

- Completion of 60 semester units that are eligible for transfer to the California State University
- Completion of a minimum of 18 semester units in an "AA-T" or "AS-T" major.
- Minimum grade point average (GPA) of at least 2.0 in all CSU-transferable coursework. While a minimum of 2.0 is required for admission, some CSU campuses and majors may require a higher GPA. Please see a counselor for more information.
- Minimum grade of "C" or "P" or better for each course in the major. Students should review the Pass/No Pass acceptance policy of the transfer institution prior to requesting this grade option.
- Certified completion of the California General Education Transfer Curriculum (Cal-GETC) pattern.

Learning Outcome(s): Students who complete the Geology Program will be able to:

1. Clearly communicate scientific principles, experimental results, and their implications.
2. Apply conceptual and mathematical tools to correctly predict the future state of physical systems.

- Use proportional reasoning and graphical analysis to establish and analyze relationships between measured quantities.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 27.0

GEOL 100	Physical Geology	3.0
GEOL 101	Physical Geology Laboratory	1.0
GEOL 111	Dinosaurs, Mass Extinctions, and Earth History	4.0
CHEM 200	General Chemistry I - Lecture	3.0
CHEM 200L	General Chemistry I - Laboratory	2.0
CHEM 201	General Chemistry II - Lecture	3.0
CHEM 201L	General Chemistry II - Laboratory	2.0
MATH 150	Calculus with Analytic Geometry I	5.0
MATH 151	Calculus with Analytic Geometry II	4.0

Total: 27.0

GOVERNMENTAL/NONPROFIT ACCOUNTING - CERTIFICATE OF PERFORMANCE: MESA

Summary

Qualifies the graduate as a bookkeeper, account clerk, accounting technician, audit or tax aide, or accountant trainee. Subjects of immediate practical value enable the student to work part-time in the field while completing the curriculum. The certificate program is for students desiring early employment. Students planning to transfer to a four-year college or university as an accounting major should major in Business Administration.

Award Notes:

A Certificate of Performance is a departmental award that does not appear on the student's transcript. All courses must be completed within the San Diego Community College District.

This program is not eligible for federal financial aid in accordance with Federal regulations.

Learning Outcome(s): Students who complete the Governmental/Nonprofit Accounting Program will be able to:

- Demonstrate basic competency in financial and managerial accounting, accounting systems. Students will also have knowledge of one of the following areas: tax, auditing and governmental and not-for profit accounting.
- Use Quickbooks, Excel, Tax Software and/or other related tools to perform basic financial reports and management reports.
- Be cognizant of the ethical issues facing the accounting profession and the value of being a responsible citizen.
- Apply and utilize research skills to access, understand, and apply relevant professional accounting guidance.
- Have the necessary knowledge and skills to obtain an entry-level accounting job, transfer to bachelor or masters degree program, and/or sit for the Certified Public Accounting examination should they meet all other educational and professional requirements.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 11.0

ACCT 116A	Financial Accounting	4.0
ACCT 116B	Managerial Accounting	4.0
ACCT 125	Government & Not-for-Profit Accounting	3.0

Select one course from:

Units: 3.0

CBTE 180	Microsoft Office	3.0
OR		3.0
ACCT 150	Computer Accounting Applications	3.0

Total: 14.0

HEALTH AND WELLNESS COACHING - CERTIFICATE OF ACHIEVEMENT: MESA

Summary

The Health and Wellness Coaching Certificate of Achievement gives students the skill to improve the health of individuals and groups through health and wellness coaching. Students gain an understanding of the science behind behavior change, nutrition, physical activity, and other health behaviors and are prepared to implement evidence-based strategies to improve long-term health. Students completing the certificate will be able to facilitate healthy lifestyle change in multiple sectors of the allied health field including hospitals, clinics, worksites, non-profit organizations, and private businesses.

This certificate is appropriate for students who are new to the health and wellness field and have limited previous education or experience in the field. Students who complete the certificate are qualified to sit for the National Board Certified Health and Wellness Coach Exam (NBC-HWC) offered by the National Board for Health and Wellness Coaching (NBHWC).

Learning Outcome(s): Students who complete the Health and Wellness Coaching Program will be able to:

1. Display the attributes of sportsmanship and teamwork as it pertains to physical education and athletic competition.
2. Apply core critical thinking skills of analysis, interpretation, evaluation and explanation in the development of nutritional and fitness plans and the acquisition of skill development including proper techniques, physiological principles and kinesthetic awareness.
3. Demonstrate effective and sensitive verbal, nonverbal and written communications skills.
4. Value and implement physical fitness activities, wellness strategies and principles in support of a healthy lifestyle.
5. Utilize current technology to research and compile information in health and wellness, human performance.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 7.0

EXSC 294	Health and Wellness Coaching	3.0
EXSC 298	Applications of Health and Wellness Coaching	1.0
HEAL 107	Lifestyle Medicine for Health and Wellness	3.0

Select 2 - 3 units (1 course) from the following:

Units: 2.0-3.0

EXSC 284	Fitness and Sports Nutrition	2.0
NUTR 160	Foods for Healthy Lifestyles	3.0

Select 3 units (1 course) from the following:

Units: 3.0

BUSE 129	Introduction to Entrepreneurship	3.0
BUSE 127	Social Media for Business	3.0
BUSE 120	Personal Financial Management	3.0
MARK 100	Principles of Marketing	3.0

Select 3 units (1 course) from the following:		Units: 3.0
COMS 135	Interpersonal Communication	3.0
COMS 170	Small Group Communication	3.0
COMS 180	Intercultural Communication	3.0

Select 3 units (1 course) from the following:		Units: 3.0
HEAL 103	Introduction to Public Health	3.0
HEAL 104	Public Health and Social Justice	3.0
PSYC 125	Introduction to Behavior Modification	3.0

Total: 18.0-19.0

HEALTH AND WELLNESS COACHING - CERTIFICATE OF PERFORMANCE: MESA

Summary

The Health and Wellness Coaching Certificate of Performance gives students the skill to improve the health of individuals and groups through interventions in behavior change, nutrition, and physical activity. Students gain an understanding of the science behind behavior change, nutrition, and physical activity, and are prepared to implement evidence-based strategies to improve long-term health. Students completing the certificate will be able to facilitate healthy lifestyle change in multiple sectors of the allied health field including hospitals, clinics, worksites, non-profit organizations, and private businesses.

This certificate is appropriate for those who already have a bachelor's, master's, or terminal degree in a health- and wellness-related field or those who have prior work experience in the field. Students who complete the certificate are qualified to sit for the National Board Certified Health and Wellness Coach Exam (NBC-HWC) offered by the National Board for Health and Wellness Coaching (NBHWC).

A "C" or better must be achieved in all required courses and electives in order to receive a Certificate of Performance.

Award Notes:

A Certificate of Performance is a departmental award that does not appear on the student's transcript. All courses must be completed within the San Diego Community College District.

This program is not eligible for federal financial aid in accordance with Federal regulations.

Learning Outcome(s): Students who complete the Health and Wellness Coaching Program will be able to:

1. Display the attributes of sportsmanship and teamwork as it pertains to physical education and athletic competition.
2. Apply core critical thinking skills of analysis, interpretation, evaluation and explanation in the development of nutritional and fitness plans and the acquisition of skill development including proper techniques, physiological principles and kinesthetic awareness.
3. Demonstrate effective and sensitive verbal, nonverbal and written communications skills.
4. Value and implement physical fitness activities, wellness strategies and principles in support of a healthy lifestyle.
5. Utilize current technology to research and compile information in health and wellness, human performance.

Requirements

COURSES REQUIRED FOR THE MAJOR:		Units: 7.0
EXSC 294	Health and Wellness Coaching	3.0
EXSC 298	Applications of Health and Wellness Coaching	1.0
HEAL 107	Lifestyle Medicine for Health and Wellness	3.0

Select 2 - 3 units from the following:

Units: 2.0-3.0

HEAL 103	Introduction to Public Health	3.0
HEAL 104	Public Health and Social Justice	3.0
PSYC 125	Introduction to Behavior Modification	3.0
EXSC 284	Fitness and Sports Nutrition	2.0
NUTR 160	Foods for Healthy Lifestyles	3.0
BUSE 120	Personal Financial Management	3.0
BUSE 127	Social Media for Business	3.0
BUSE 129	Introduction to Entrepreneurship	3.0
MARK 100	Principles of Marketing	3.0
COMS 135	Interpersonal Communication	3.0
COMS 170	Small Group Communication	3.0
COMS 180	Intercultural Communication	3.0

Total: 9.0-10.0

HEALTH INFORMATION MANAGEMENT - BACHELOR OF SCIENCE DEGREE: MESA

Summary

The Bachelor of Science degree in Health Information Management program provides accessible, high-quality industry-approved instruction designed to prepare students to work at a management level in a variety of healthcare settings including acute and subacute hospitals, outpatient clinics, government health agencies, and electronic health records industry vendors.

The Health Information Management program is accredited through the Commission on Accreditation for Health Informatics and Information Management (CAHIIM). Graduates are eligible to sit for the national certification exam.

Learning Outcome(s): Students who complete the Health Information Management Program will be able to:

1. Apply the laws of patient record confidentiality, privacy and compliance.
2. Use and design data, databases and healthcare systems.
3. Demonstrate and apply knowledge of the principles of personnel management.
4. Develop a financial plan for a health information department.
5. Demonstrate mastery of the principles of health information management.
6. Analyze healthcare data, assimilate data and information.

Accreditation

The Health Information Management program accreditor of San Diego Mesa College is the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM). The College's accreditation for the Baccalaureate degree in Health Information Management has been reaffirmed through 2028. All inquiries about the program's accreditation status should be directed by mail to CAHIIM, 200 East Randolph Street, Suite 5100, Chicago, IL, 60601; by phone at (312) 235-3255; or by email at info@cahiim.org.

Directed Clinical Practice (DCP) Requirement

Most allied health students are required to successfully complete DCP, clinically-based courses held in health care facilities. These facilities may require background checks, including fingerprinting and drug screening, as a condition of placement at the clinic. Refusal to submit to a background check, or failure to meet clearance criteria established by the health care facility, may prevent placement in DCP courses and thus, it may not be possible to successfully complete the program. Health care facilities also require adherence to strict standards of conduct.

Facilities may refuse educational access to any person who does not adhere to the facility's standards of safety, health and ethical behavior. This may be cause for removal from the program.

Admission Criteria

Eligibility for enrollment is determined by a special admission procedure. Interested persons should review program information on the [website](#).

A grade of "C" or better must be maintained in all courses to continue in this restricted program. Course repetition in this program is not permitted unless student is granted readmission. The Allied Health Department Policies and Procedures govern this program.

Students must complete HEIT 214 and 215 within five years in order to receive the Health Information Technology Associate of Science degree.

Program Prerequisites

Lower Division Courses Required for the Major

Students who have earned an Associate Degree in Health Information Technology from an institution which is regionally accredited and accredited by the Commission on Accreditation for Health Informatics and Information Management (CAHIIM) will have satisfied the lower division major courses required for the Health Information Management Baccalaureate Degree.

Lower Division General Education

Completion of one of the approved lower-division general education patterns listed in the *Academic Requirements–Baccalaureate Degree* section of this catalog

Upper Division Program Prerequisite

In order to be admitted to the Health Information Management (HIMS) program at the upper division level, applicants must successfully complete the Health Information Technology (HEIT) lower division courses required for the major each with a grade of "C" or better.

Credit for Prior Learning

Credit for prior learning or experience working in the health information field may be accepted upon approval of the program director.

The Baccalaureate Degree

The Bachelor of Science (BS) degree is intended for students interested in a high-level career in technical education.

Minimum 120 Units Required

The following is required for all California community college BS degrees:

- A combination of lower division and upper division coursework totaling a minimum of 120 semester units applicable to a baccalaureate degree.
- Completion of a minimum of 36 semester units of general education that includes lower division general education and upper division general education as outlined below.
- A minimum of 40 semester units of upper-division courses, including a minimum of nine semester units of upper-division general education.

Note: Unit requirements vary by program. See the specific program requirements section of the catalog for details on unit distribution and major requirements.

Grade Point Average (GPA) and Minimum Grade Requirements

- All courses designated as upper division major requirements must be completed with a grade of "C" or better. A "P" (pass) grade meets this requirement.
- Completion of the requirement for the baccalaureate degree with a minimum grade point average of 2.0 in the degree-applicable courses.

Minimum Units in Residence

- Satisfactory completion of a minimum of 12 degree applicable semester units in residence within the San Diego Community College District.
- The 12-unit in residence requirement is effective regardless of catalog year.
- Courses completed via credit for prior learning, including credit by exam, do not qualify for the 12-unit in residence requirement.

General Education

Lower Division General Education

Select one of the following lower division general education options:

- SDCCD General Education and District Requirements plus six additional units selected from general education Area 1B-Area 6 (1 unit lab excluded).
See District Requirements and General Education Requirements (Option 1) of this catalog.
- California General Education Transfer Curriculum (Cal-GETC).
See General Education Requirements in the Transfer Guide of this catalog (Option 6).
- SDCCD General Education plus six additional units selected from Area 1B-Area 6 (1 unit lab excluded).
See District General Education Requirements (Option 4) of this catalog.
- General Education Completion through an Earned Baccalaureate Degree
 - Students who submit an official transcript showing they have earned a baccalaureate degree from an institutionally accredited institution will have satisfied the SDCCD lower division general education and district requirements upon evaluation of their transcript. (Option 5)
 - Students seeking the Associate in Arts for Transfer (AA-T) or Associate in Science for Transfer (AS-T) degree must complete the California General Education Transfer Curriculum (Cal-GETC) general education pattern.

Courses may fulfill multiple academic requirements, such as general education, major, and additional graduation requirements. However, one course may not be counted in more than one general education area, even if the course is approved in multiple general education areas.

Upper Division General Education

Students must successfully complete a minimum of nine semester units or 13.5 quarter units of upper division general education coursework. Upper division general education courses are integrated into each baccalaureate degree program. Courses must come from at least two disciplines outside the major field of study and at least one of these courses must emphasize written communication, oral communication, or computation skills.

Specific course requirements are detailed within each bachelor's degree program requirements.

Credit for Prior Learning

Students may receive credit for knowledge and skills acquired through the district's procedures for awarding credit for prior learning.

Limitation on Enrollment

Enrollment in upper division courses is restricted to students admitted to a baccalaureate degree program at a California community college.

Requirements

LOWER DIVISION COURSES REQUIRED FOR THE MAJOR:

Units: 33.5

HEIT 110	Introduction to Health Information	4.0
HEIT 130	Basic Pharmacology	1.0
HEIT 136	Introduction to Health Information Systems	3.0

HEIT 140	Fundamentals of Law for Health Information	3.0
HEIT 155	Current Procedural Terminology (CPT) Coding	3.0
HEIT 214	ICD Coding I	3.0
HEIT 215	ICD Coding II	3.0
HEIT 220	Principles of Leadership	2.0
HEIT 225	Introduction to Revenue Cycle	3.0
HEIT 256	Statistics for Healthcare	3.0
HEIT 258	Healthcare Quality Management	3.0
HEIT 266	Directed Clinical Practice	2.5

UPPER DIVISION COURSES REQUIRED FOR THE MAJOR:

Units: 54.0

Enrollment in the upper division courses is restricted to students admitted to the Health Information Management (HIMS) program.

HIMS 405	Foundations in Health Information Management	4.0
HIMS 408	Ethics in Healthcare Administration	3.0
HIMS 411	Healthcare Informatics	3.0
HIMS 415	Healthcare Analytics	4.0
HIMS 418	Topics in Legal and Compliance for Healthcare Professionals	4.0
HIMS 420	Principles of Finance for Health Information Management	3.0
HIMS 425	Revenue Cycle Management	3.0
HIMS 431	Human Resources Management in Healthcare	3.0
HIMS 435	Project Management in the Healthcare Setting	3.0
HIMS 440	Leadership and Strategic Management for Healthcare Professionals	4.0
HIMS 450	Healthcare Information Systems Analysis and Design	3.0
HIMS 455	Applied Research Project in Health Information Management	3.0
HIMS 460	Advanced Directed Clinical Placement	1.0
CISC 401	Database Management and Design for Healthcare Professionals	4.0
COMS 401	Advanced Communication Skills for Healthcare Professionals	3.0
ENGL 401	Advanced Writing for Healthcare Professionals	3.0
PSYC 401	Organizational Psychology for the Healthcare Professional	3.0

Total: 87.5

HEALTH INFORMATION TECHNOLOGY - ASSOCIATE OF SCIENCE DEGREE: MESA

Summary

The Health Information Technology program offers various avenues for students interested in a career in the health information field. The program is designed to prepare students to work in a variety of settings, including hospitals, outpatient clinics, behavioral health facilities, government health agencies, long-term care facilities, and various health information industry vendors.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Health Information Technology Program will be able to:

1. Apply all required health care documentation policies and procedures that ensure the highest quality of healthcare delivery.
2. Utilize the evolving information technology in the completion of health information management processes.
3. Ensure compliance with all payment systems, such as Medicare, Medicaid, managed care and other sources of reimbursement.

4. Produce data required for healthcare quality improvement, utilization management, risk management and other related activities.
5. Protect the privacy, confidentiality, and security of health information as well as promote legal and ethical standards of practice for health information professionals.

Accreditation

The Health Information Technology program accreditor of San Diego Mesa College is the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM). The College's accreditation for the Associates degree in Health Information Technology has been reaffirmed through 2030. All inquiries about the program's accreditation status should be directed by mail to CAHIIM, 200 East Randolph Street, Suite 5100, Chicago, IL, 60601; by phone at (312) 235-3255; or by email at info@cahiim.org.

Directed Clinical Practice Requirement

Most allied health students are required to successfully complete DCP, clinically-based courses held in health care facilities. These facilities may require background checks, including fingerprinting and drug screening, as a condition of placement at the clinic. Refusal to submit to a background check, or failure to meet clearance criteria established by the health care facility, may prevent placement in DCP courses and thus, it may not be possible to successfully complete the program. Health care facilities also require adherence to strict standards of conduct. Facilities may refuse educational access to any person who does not adhere to the facility's standards of safety, health and ethical behavior. This may be cause for removal from the program.

Admission Criteria

Eligibility for enrollment is determined by a special admission procedure. Interested persons should review program information on the [website](#).

A grade of "C" or better must be maintained in all courses to continue in this restricted program. Course repetition in this program is not permitted unless student is granted readmission. This program is governed by the Allied Health Department Policies and Procedures.

Students must complete HEIT 214 and 215 within five years in order to receive the Health Information Technology Associate of Science degree.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 33.5

HEIT 110	Introduction to Health Information	4.0
HEIT 130	Basic Pharmacology	1.0
HEIT 136	Introduction to Health Information Systems	3.0
HEIT 140	Fundamentals of Law for Health Information	3.0
HEIT 155	Current Procedural Terminology (CPT) Coding	3.0
HEIT 214	ICD Coding I	3.0
HEIT 215	ICD Coding II	3.0
HEIT 220	Principles of Leadership	2.0
HEIT 225	Introduction to Revenue Cycle	3.0
HEIT 256	Statistics for Healthcare	3.0
HEIT 258	Healthcare Quality Management	3.0
HEIT 266	Directed Clinical Practice	2.5

Total: 33.5

HISTORY - ASSOCIATE IN ARTS FOR TRANSFER DEGREE: MESA

Summary

The Associate in Arts in History for Transfer is intended for students who plan to complete a bachelor's degree in History or a related major in the California State University (CSU) system. It is accepted by some but not all CSU campuses. Students who complete this degree and transfer to a participating CSU campus will be required to complete no more than 60 units after transfer to earn a bachelor's degree. It may not be appropriate preparation for students transferring to a CSU campus that does not accept the degree. Students who plan to complete this degree should consult a counselor for additional information about participating CSU campuses as well as university admission, degree, and transfer requirements.

NOTE: Students intending to transfer into this major at a CSU should consult with a counselor and visit www.assist.org for guidance on appropriate transfer coursework.

Award Notes:

The following is required for all AA-T or AS-T degrees:

- Completion of 60 semester units that are eligible for transfer to the California State University
- Completion of a minimum of 18 semester units in an "AA-T" or "AS-T" major.
- Minimum grade point average (GPA) of at least 2.0 in all CSU-transferable coursework. While a minimum of 2.0 is required for admission, some CSU campuses and majors may require a higher GPA. Please see a counselor for more information.
- Minimum grade of "C" or "P" or better for each course in the major. Students should review the Pass/No Pass acceptance policy of the transfer institution prior to requesting this grade option.
- Certified completion of the California General Education Transfer Curriculum (Cal-GETC) pattern.

Learning Outcome(s): Students who complete the History Program will be able to:

1. Think critically in reading about topics in History, thereby identifying problems, theses, arguments, evidence and conclusions.
2. Write or speak about topics in History, thereby addressing problems, formulating theses, making arguments, analyzing and weighing evidence, and deriving conclusions.
3. Demonstrate an ability to understand one's role in society, take responsibility for one's own actions, and make ethical decisions in complex situations.
4. Articulate similarities and contrasts among cultures, times, and environments, demonstrating an understanding of cultural pluralism.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 6.0

HIST 109	History of the United States I	3.0
HIST 110	History of the United States History II	3.0

CATEGORY A: SELECT TWO OF THE FOLLOWING COURSES. SEQUENTIAL COURSES HIGHLY RECOMMENDED. RECOMMEND SELECTING COURSES WHICH FULFILL THE LOWER DIVISION MAJOR PREPARATION REQUIREMENTS OF YOUR PROSPECTIVE TRANSFER UNIVERSITY. (6 UNITS)

Units: 6.0

HIST 100	World History I	3.0
OR		
HIST 105	Introduction to Western Civilization I	3.0
		3.0
HIST 101	World History II	3.0
OR		
HIST 106	Introduction to Western Civilization II	3.0

CATEGORY B1: SELECT ONE OF THE FOLLOWING COURSES OR ANY COURSE NOT SELECTED IN CATEGORY A. RECOMMEND SELECTING A COURSE WHICH

Units: 3.0-5.0

**FULFILLS THE LOWER DIVISION MAJOR PREPARATION REQUIREMENTS OF
YOUR PROSPECTIVE TRANSFER UNIVERSITY (3-5 UNITS):**

BLAS 140A	African American History to Reconstruction	3.0
BLAS 140B	African American History since Reconstruction to the Present	3.0
CHIC 141A	United States History from a Chicano Perspective	3.0
CHIC 141B	United States History from a Chicano Perspective	3.0
HIST 115A	History of the Americas I	3.0
HIST 115B	History of the Americas II	3.0
HIST 120	Introduction to Asian Civilizations	3.0
HIST 121	Asian Civilizations in Modern Times	3.0
HIST 123	U.S. History from the Asian Pacific American Perspective	3.0
HIST 130	The Modern Middle East	3.0
HIST 131	Latin America Before Independence	3.0
HIST 132	Latin America Since Independence	3.0
HIST 141	Women in United States History I	3.0
HIST 142	Women in United States History II	3.0
HIST 150	Native Americans in United States History I	3.0
HIST 151	Native Americans in United States History II	3.0
HIST 154	Ancient Egypt	3.0
HIST 175	California History	3.0
HIST 205	Methodology and Practice in History	3.0
POLI 103	Comparative Politics	3.0
POLI 140	Contemporary International Politics	3.0

**CATEGORY B1 MAY ALSO BE SATISFIED AS FOLLOWS: COMPLETION OF A LANGUAGE COURSE
OTHER THAN ENGLISH, INCLUDING AMERICAN SIGN LANGUAGE (AMSL) COURSES.**

AMSL 120	American Sign Language Level I	5.0
AMSL 121	American Sign Language Level II	5.0
AMSL 220	American Sign Language Level III	5.0
AMSL 221	American Sign Language Level IV	5.0
CHIN 101	First Course in Mandarin Chinese	5.0
CHIN 102	Second Course in Mandarin Chinese	5.0
CHIN 201	Third Course in Mandarin Chinese	5.0
CHIN 202	Fourth Course in Mandarin Chinese	5.0
FREN 101	First Course in French	5.0
FREN 102	Second Course in French	5.0
FREN 201	Third Course in French	5.0
FREN 202	Fourth Course in French	5.0
GERM 101	First Course in German	5.0
GERM 102	Second Course in German	5.0
GERM 201	Third Course in German	5.0
ITAL 101	First Course in Italian	5.0
ITAL 102	Second Course in Italian	5.0
ITAL 201	Third Course in Italian	5.0
JAPN 101	First Course in Japanese	5.0
JAPN 102	Second Course in Japanese	5.0
JAPN 201	Third Course in Japanese	5.0
JAPN 202	Fourth Course in Japanese	5.0
RUSS 101	First Course in Russian	5.0
RUSS 102	Second Course in Russian	5.0
RUSS 201	Third Course in Russian	5.0
SPAN 101	First Course in Spanish	5.0

SPAN 102	Second Course in Spanish	5.0
SPAN 201	Third Course in Spanish	5.0
SPAN 202	Fourth Course in Spanish	5.0
SPAN 215	Spanish for Spanish Speakers I	5.0
SPAN 216	Spanish for Spanish Speakers II	5.0
VIET 101	First Course in Vietnamese	5.0
VIET 102	Second Course in Vietnamese	5.0
VIET 201	Third Course in Vietnamese	5.0

CATEGORY B2: SELECT ONE OF THE FOLLOWING COURSES OR ANY COURSE NOT SELECTED IN CATEGORY A. RECOMMEND SELECTING A COURSE WHICH FULFILLS THE LOWER DIVISION MAJOR PREPARATION REQUIREMENTS OF YOUR PROSPECTIVE TRANSFER UNIVERSITY. (3 UNITS):

Units: 3.0

ANTH 103	Introduction to Cultural Anthropology	3.0
ECON 120	Principles of Macroeconomics	3.0
ECON 121	Principles of Microeconomics	3.0
GEOG 102	Cultural Geography	3.0
HUMA 106	World Religions	3.0
POLS C1000	American Government and Politics	3.0
PSYC C1000	Introduction to Psychology	3.0

Total: 18.0-20.0

HISTORY - ASSOCIATE OF ARTS DEGREE: MESA

Summary

History is the study of human experience from the dawn of time to the present. It examines people, institutions, ideas and events of the past and the present. The primary objectives of the History program are: fulfillment of general education requirements for American Institutions, Humanities and Social Sciences; completion of the Associate of Arts degree; and preparation for transfer to four-year institutions and completion of general education requirements for students enrolled in four-year institutions.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the History Program will be able to:

1. Think critically in reading about topics in History, thereby identifying problems, theses, arguments, evidence and conclusions.
2. Write or speak about topics in History, thereby addressing problems, formulating theses, making arguments, analyzing and weighing evidence, and deriving conclusions.
3. Demonstrate an ability to understand one's role in society, take responsibility for one's own actions, and make ethical decisions in complex situations.
4. Articulate similarities and contrasts among cultures, times, and environments, demonstrating an understanding of cultural pluralism.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 6.0

HIST 109	History of the United States I	3.0
HIST 110	History of the United States History II	3.0

Select one six-unit course sequence from the following:

Units: 6.0

		6.0
		6.0
HIST 100	World History I	3.0
AND		
HIST 101	World History II	3.0
OR		
		6.0
HIST 105	Introduction to Western Civilization I	3.0
AND		
HIST 106	Introduction to Western Civilization II	3.0

Select additional six units from the following:

Units: 6.0

HIST 100	World History I	3.0
HIST 101	World History II	3.0
HIST 105	Introduction to Western Civilization I	3.0
HIST 106	Introduction to Western Civilization II	3.0
HIST 115A	History of the Americas I	3.0
HIST 115B	History of the Americas II	3.0
HIST 120	Introduction to Asian Civilizations	3.0
HIST 121	Asian Civilizations in Modern Times	3.0
HIST 123	U.S. History from the Asian Pacific American Perspective	3.0
HIST 130	The Modern Middle East	3.0
HIST 131	Latin America Before Independence	3.0
HIST 132	Latin America Since Independence	3.0
HIST 141	Women in United States History I	3.0
HIST 142	Women in United States History II	3.0
HIST 150	Native Americans in United States History I	3.0
HIST 151	Native Americans in United States History II	3.0
HIST 154	Ancient Egypt	3.0
HIST 175	California History	3.0
HIST 205	Methodology and Practice in History	3.0

Total: 18.0

HOME DAY CARE - CERTIFICATE OF PERFORMANCE: MESA

Summary

This Certificate of Performance prepares students for entry level positions as home day care providers.

Award Notes:

A Certificate of Performance is a departmental award that does not appear on the student's transcript. All courses must be completed within the San Diego Community College District.

This program is not eligible for federal financial aid in accordance with Federal regulations.

Learning Outcome(s): Students who complete the Home Day Care Program will be able to:

1. Work in a collaborative environment to promote respect of others opinions and prospective and demonstrate cultural pluralism.
2. Develop the ability to anticipate, recognize, and successfully work with various learning styles and abilities of children with varying needs.
3. Demonstrate the knowledge and skills to meet the state of California licensing requirements for working in careers in Early Childhood Education and Development.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 12.0

CHIL 101	Human Growth and Development	3.0
CHIL 175	Infant-Toddler Growth and Development	3.0
CHIL 180	Nutrition, Health, and Safety for Children	3.0
BUSE 101	Business Mathematics	3.0

Total: 12.0

HONORS GLOBAL COMPETENCIES - CERTIFICATE OF ACHIEVEMENT: MESA

Summary

The Honors Global Competencies Certificate of Achievement offers students the opportunity to gain a global perspective through completion of coursework in intercultural competencies, communication skills, and technology skills.

Learning Outcome(s): Students who complete the Honors Global Competencies Program will be able to:

1. Think critically about the elements of human cultures and civilizations.
2. Develop an awareness of the essential ideas and arts of the world, past and present.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 3.0

Critical Thinking Select 3 units required for the major

		3.0
COMS 135	Interpersonal Communication	3.0
OR		
COMS 180	Intercultural Communication	3.0
OR		
ENGL C1001	Critical Thinking and Writing	3.0
OR		
ENGL 208	Introduction to Literature	3.0
OR		
HIST 205	Methodology and Practice in History	3.0
OR		
MATH 118	Math for the Liberal Arts Student	3.0
OR		
STAT C1000	Introduction to Statistics	3.0
OR		
PHIL 100	Logic and Critical Thinking	3.0
OR		
PHIL 101	Symbolic Logic	3.0
OR		
PHIL 205	Critical Thinking and Writing in Philosophy	3.0
OR		
SOCO 201	Advanced Principles of Sociology	3.0
OR		

SOCO 223	Globalization and Social Change	3.0
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Languages Select 5 units from the following:

Units: 5.0

CHIN 101	First Course in Mandarin Chinese	5.0
CHIN 102	Second Course in Mandarin Chinese	5.0
CHIN 201	Third Course in Mandarin Chinese	5.0
CHIN 202	Fourth Course in Mandarin Chinese	5.0
FREN 101	First Course in French	5.0
FREN 102	Second Course in French	5.0
FREN 201	Third Course in French	5.0
FREN 202	Fourth Course in French	5.0
GERM 101	First Course in German	5.0
GERM 102	Second Course in German	5.0
GERM 201	Third Course in German	5.0
ITAL 101	First Course in Italian	5.0
ITAL 102	Second Course in Italian	5.0
ITAL 201	Third Course in Italian	5.0
JAPN 101	First Course in Japanese	5.0
JAPN 102	Second Course in Japanese	5.0
JAPN 201	Third Course in Japanese	5.0
JAPN 202	Fourth Course in Japanese	5.0
RUSS 101	First Course in Russian	5.0
RUSS 102	Second Course in Russian	5.0
RUSS 201	Third Course in Russian	5.0
SPAN 101	First Course in Spanish	5.0
SPAN 102	Second Course in Spanish	5.0
SPAN 201	Third Course in Spanish	5.0
SPAN 202	Fourth Course in Spanish	5.0
SPAN 215	Spanish for Spanish Speakers I	5.0
SPAN 216	Spanish for Spanish Speakers II	5.0
VIET 101	First Course in Vietnamese	5.0
VIET 102	Second Course in Vietnamese	5.0
AMSL 120	American Sign Language Level I	5.0
AMSL 121	American Sign Language Level II	5.0

Global Studies Select a minimum of 12 units from 4 different disciplines

Units: 12.0

AMSL 150	Introduction to Deaf Culture	3.0
ANTH 102	Introduction to Biological Anthropology	3.0
ANTH 103	Introduction to Cultural Anthropology	3.0
ANTH 215	Cultures of Latin America	3.0
ARCH 126	History of Ancient World Architecture	3.0
ARCH 127	History of World Architecture: Renaissance Through Contemporary	3.0
ARTF 107	Contemporary Art	3.0
ARTF 109	Modern Art	3.0
ARTF 110	Art History: Prehistoric to Gothic	3.0
ARTF 111	Art History: Renaissance to Modern	3.0
ARTF 113	Arts of Africa, Oceania, and the Americas	3.0
ARTF 115	African Art	3.0
ARTF 120	Native American Art	3.0
ARTF 125	Art History: Arts of the Asian Continent	3.0

ARTF 130	Pre-Columbian Art	3.0
ARTF 191	Cultural Influences on Photography	3.0
BIOL 100	Natural History - Environmental Biology	4.0
BIOL 110	Introduction to Oceanography	3.0
BIOL 115	Marine Biology	4.0
BLAS 100	Introduction to Black Studies	3.0
BLAS 104	Black Psychology	3.0
BLAS 110	African American Art	3.0
BLAS 111	Cultural Influences on African Art	3.0
BLAS 116	Contemporary Social Problems from a Black Perspective	3.0
BLAS 120	Black Music	3.0
BLAS 125	Dynamics of the Black Community	3.0
BLAS 130	The Black Family	3.0
BLAS 140A	African American History to Reconstruction	3.0
BLAS 140B	African American History since Reconstruction to the Present	3.0
BLAS 150	Black Women in Literature, Film and the Media	3.0
BLAS 155	African American Literature	3.0
BLAS 165	Sexuality and Black Culture	3.0
BLAS 175	Psycho-History of Racism and Sexism	3.0
BUSE 119	Business Communications	3.0
BUSE 150	Human Relations in Business	3.0
CHEM 111	Chemistry in Society	3.0
CHIC 110A	Introduction to Chicana and Chicano Studies	3.0
CHIC 110B	Introduction to Chicana and Chicano Studies	3.0
CHIC 135	Chicana/o Literature	3.0
CHIC 138	Literature of La Raza in Latin America in Translation	3.0
CHIC 141A	United States History from a Chicano Perspective	3.0
CHIC 141B	United States History from a Chicano Perspective	3.0
CHIC 150	History of Mexico	3.0
CHIC 170	La Chicana	3.0
CHIC 190	Chicano Images in Film	3.0
CHIC 201	The Indigenous Tradition of Mexico and Ancient Mesoamerica	3.0
CHIC 210	Chicano Culture	3.0
CHIC 230	Chicano Art	3.0
DRAM 105	Introduction to Dramatic Arts	3.0
DRAM 112	Introduction to Script Analysis	3.0
DRAM 150	Cinema as Art and Communication I	3.0
DRAM 151	Cinema as Art and Communication II	3.0
ENGL 209	Literary Approaches to Film	3.0
ENGL 220	Masterpieces of World Literature I: 1500 BCE - 1600 CE	3.0
ENGL 221	Masterpieces of World Literature II: 1600 - Present	3.0
ENGL 230	Asian American Literature	3.0
GEOG 102	Cultural Geography	3.0
GEOG 104	World Regional Geography	3.0
GEOL 100	Physical Geology	3.0
GEOL 104	Earth Science	3.0
HEAL 101	Health and Lifestyle	3.0
HIST 100	World History I	3.0
HIST 101	World History II	3.0
HIST 115A	History of the Americas I	3.0
HIST 115B	History of the Americas II	3.0
HIST 120	Introduction to Asian Civilizations	3.0

HIST 121	Asian Civilizations in Modern Times	3.0
HIST 123	U.S. History from the Asian Pacific American Perspective	3.0
HIST 130	The Modern Middle East	3.0
HIST 131	Latin America Before Independence	3.0
HIST 132	Latin America Since Independence	3.0
HIST 141	Women in United States History I	3.0
HIST 150	Native Americans in United States History I	3.0
HIST 151	Native Americans in United States History II	3.0
HIST 154	Ancient Egypt	3.0
HUMA 101	Introduction to the Humanities I	3.0
HUMA 102	Introduction to the Humanities II	3.0
HUMA 103	Introduction to the New Testament	3.0
HUMA 104	Introduction to the Old Testament	3.0
HUMA 106	World Religions	3.0
HUMA 201	Mythology	3.0
HUMA 205	Exploring Human Values Through Film	3.0
JOUR 202	Introduction to Mass Communication	3.0
MUSI 100	Introduction to Music	3.0
MUSI 109	World Music	3.0
MUSI 125	Music, the Arts, and Society	3.0
NUTR 153	Cultural Foods	3.0
PHIL 103	Historical Introduction To Philosophy	3.0
PHIL 104A	History Of Western Philosophy: Ancient to Medieval	3.0
PHIL 104B	History of Western Philosophy: Modern to Contemporary	3.0
PHIL 106	Asian Philosophy	3.0
PHIL 107	Reflections on Human Nature	3.0
PHIL 108	Perspectives on Human Nature and Society	3.0
PHIL 109	Issues in Social Philosophy	3.0
PHIL 110	Philosophy of Religion	3.0
PHIL 125	Philosophy of Women	3.0
PHIL 130	Philosophy of Art and Music	3.0
POLI 101	Introduction to Political Science	3.0
POLI 103	Comparative Politics	3.0
POLI 140	Contemporary International Politics	3.0
PSYC C1000	Introduction to Psychology	3.0
PSYC 112	Interpersonal Relations	3.0
PSYC 133	Psychology of Women	3.0
PSYC 135	Marriage and Family Relations	3.0
PSYC 137	Human Sexual Behavior	3.0
PSYC 166	Introduction to Social Psychology	3.0
PSYC 230	Psychology of Lifespan Development	3.0
PSYC 245	Abnormal Psychology	3.0
SOCO 101	Principles of Sociology	3.0
SOCO 110	Contemporary Social Problems	3.0

Total: 20.0

HOSPITALITY MANAGEMENT - ASSOCIATE OF SCIENCE DEGREE: MESA

Summary

Program Description:

Hospitality management covers a large range of topics with a business focus aimed at student success in a variety

of accommodation, event and food and beverage segments. Specific emphasis includes business priorities and aspects including, leadership and management specific to the industry, business communications, finance, human resources, legal and legislative requirements for lodging, restaurant and events, and sales and marketing as they relate to hospitality management. The hospitality business focus prepares students for entry-level supervision and oversight in any of the myriad of segments including hotels and resorts (including casinos), conference centers, cruise lines, and restaurants, bars, corporate events, wedding planning, destination management conferences services.

Program Goals:

A core set of hospitality management courses center on the hospitality industry. Students obtain an integrated and expansive view of all hospitality segments for greater marketability and career opportunities.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Hospitality Management Program will be able to:

1. Assess and apply the concepts of hospitality business management.
2. Produce and present effective written and oral communication for the hospitality industry.
3. Evaluate ethical leadership and differentiate situations calling for ethical decision making.
4. Demonstrate and articulate a global perspective.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 34.0

HOSP 101	Introduction to Hospitality & Tourism	3.0
HOSP 102	Hospitality Accounting	3.0
HOSP 111	Food and Beverage Management	3.0
HOSP 112	Lodging and Resort Management & Operations	3.0
HOSP 115	Strategic Leadership in Hospitality	3.0
HOSP 121	Sales, Marketing and Brand Management	3.0
HOSP 130	Hospitality Law	3.0
HOSP 162	Event Management	3.0
HOSP 166	Operations Management and Consulting	3.0
HOSP 185	Sustainable Facilities Management	2.0
HOSP 190	Hospitality Capstone	2.0
HOSP 270	Work Experience	3.0

¹Students may complete 250 hours of Departmental approved industry practical training in lieu of this credit requirement.

Total: 34.0

HOSPITALITY MANAGEMENT - CERTIFICATE OF ACHIEVEMENT: MESA

Summary

Program Description:

Hospitality management covers a large range of topics with a business focus aimed at student success in a variety of accommodation, event and food and beverage segments. Specific emphasis includes business priorities and aspects including, leadership and management specific to the industry, business communications, finance, human resources, legal and legislative requirements for lodging, restaurant and events, and sales and marketing as they relate to hospitality management. The hospitality business focus prepares students for entry-level supervision and oversight in any of the myriad of segments including hotels and resorts (including casinos), conference centers, cruise lines, and restaurants, bars, corporate events, wedding planning, destination management conferences services.

Program Goals:

A core set of hospitality management courses center on the hospitality industry. Students obtain an integrated and expansive view of all hospitality segments for greater marketability and career opportunities.

Learning Outcome(s): Students who complete the Hospitality Management Program will be able to:

1. Assess and apply the concepts of hospitality business management.
2. Produce and present effective written and oral communication for the hospitality industry.
3. Evaluate ethical leadership and differentiate situations calling for ethical decision making.
4. Demonstrate and articulate a global perspective.

Requirements**COURSES REQUIRED FOR THE MAJOR:****Units: 33.0**

HOSP 101	Introduction to Hospitality & Tourism	3.0
HOSP 102	Hospitality Accounting	3.0
HOSP 111	Food and Beverage Management	3.0
HOSP 112	Lodging and Resort Management & Operations	3.0
HOSP 115	Strategic Leadership in Hospitality	3.0
HOSP 121	Sales, Marketing and Brand Management	3.0
HOSP 130	Hospitality Law	3.0
HOSP 162	Event Management	3.0
HOSP 166	Operations Management and Consulting	3.0
HOSP 185	Sustainable Facilities Management	2.0
HOSP 190	Hospitality Capstone	2.0
HOSP 270	Work Experience	2.0

¹Students may complete 150 hours of Departmental approved industry practical training in lieu of this credit requirement.

Total: 33.0

HUMANITIES AND RELIGIOUS STUDIES - ASSOCIATE OF ARTS DEGREE: MESA

Summary

The Associate of Arts degree in Humanities and Religious Studies provides students with a uniquely comprehensive preparation for upper-division studies in both General Humanities and Religious Studies. Students who complete this A.A. degree program will exhibit the ability to think critically about global cultures, both past and present. These goals will be achieved through the completion of 18 units in Humanities and related disciplines.

Select one six-unit sequence in General Humanities AND one six-unit sequence in Religious Studies.

- General Humanities Sequences - HUMA 101 and 102 OR HUMA 118 and 119.
- Religious Studies Sequences - HUMA 103 and 104 OR HUMA 106 and 201.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Humanities and Religious Studies Program will be able to:

1. Develop an awareness of the essential ideas and arts of the world, past and present.
2. Think critically about the elements of human cultures and civilizations.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 12.0

		6.0
		6.0
HUMA 101	Introduction to the Humanities I	3.0
AND		
HUMA 102	Introduction to the Humanities II	3.0
OR		
		6.0
HUMA 118	Eastern Humanities	3.0
AND		
HUMA 119	Western Humanities	3.0
		6.0
		6.0
HUMA 103	Introduction to the New Testament	3.0
AND		
HUMA 104	Introduction to the Old Testament	3.0
OR		
		6.0
HUMA 106	World Religions	3.0
AND		
HUMA 201	Mythology	3.0

Select six units from the following:

Units: 6.0

HUMA 205	Exploring Human Values Through Film	3.0
HUMA 210	Women in Religion and Myth	3.0
ENGL 220	Masterpieces of World Literature I: 1500 BCE - 1600 CE	3.0
ENGL 221	Masterpieces of World Literature II: 1600 - Present	3.0
ARTF 110	Art History: Prehistoric to Gothic	3.0
ARTF 111	Art History: Renaissance to Modern	3.0
HIST 154	Ancient Egypt	3.0
PHIL 110	Philosophy of Religion	3.0

Total: 18.0

INFORMATION AND COMMUNICATION TECHNOLOGY - CERTIFICATE OF PERFORMANCE: MESA

Summary

Prepares students for employment in the rapidly expanding field of Computer and Information Sciences and offers the skills required to function effectively in various occupations and professions requiring the use of computers. Required courses focus upon the use and functioning of the computer and relate the general study of the computer with studies of specific languages, enabling the student to combine computer hardware and software to process data into information. Upon completion of this curriculum, the student should have the capability to apply computer technology to diverse business and professional environments and be qualified for employment as an entry-level programmer in the computer and information sciences industry or transfer to 4-year institution.

Award Notes:

A Certificate of Performance is a departmental award that does not appear on the student's transcript. All courses

must be completed within the San Diego Community College District.

This program is not eligible for federal financial aid in accordance with Federal regulations.

Learning Outcome(s): Students who complete the Information and Communication Technology Program will be able to:

1. Evaluate and apply appropriate technology to support specific business activities and business solutions.
2. Analyze specific business or information technology problems or situations and identify possible solutions, including predictive analysis, synthesis of information, resourcefulness, and troubleshooting.
3. Choose the appropriate mode of communication for a specific situation and then communicate ideas, concepts, and solutions through effective written and oral communication.

Requirements

COURSES REQUIRED FOR THE MAJOR:		Units: 13.0
CISC 150	Introduction to Computer and Information Sciences	3.0
WEBD 152	Beginning Web Development: HyperText Markup Language (HTML) and Cascading Style Sheets (CSS)	3.0
CISC 106	Introduction to Computer Science and Programming	4.0
MULT 150	Beginning Unity Game Development	3.0
		Total: 13.0

INTERACTIVE MEDIA PRODUCTION - CERTIFICATE OF ACHIEVEMENT: MESA

Summary

The Interactive Media Production Certificate of Achievement is designed to provide students of Multimedia a foundational set of technological tools with which to develop a variety of multiplatform media products, including 3D animation, game development, web design, and video production. The curriculum is structured to provide students with a generalized understanding of the functional and aesthetic relationships between the various segments of the Multimedia industry and the potential for the creative synthesis of these aspects in their professional work.

Learning Outcome(s): Students who complete the Interactive Media Production Program will be able to:

1. Evaluate and apply appropriate technology to support specific business activities and business solutions.
2. Analyze specific business problems or situations and identify possible solutions, including predictive analysis, synthesis of information, resourcefulness, and troubleshooting.
3. Choose the appropriate mode of communication for a specific situation and then communicate ideas, concepts, and solutions through effective written and oral communication.

Requirements

COURSES REQUIRED FOR THE MAJOR:		Units: 24.0
MULT 100	Introduction to Visual Communication	3.0
MULT 121	Intermediate Visual Communication	3.0
MULT 123	Digital Video I	3.0
MULT 150	Beginning Unity Game Development	3.0
MULT 152	Intermediate Unity Game Development	3.0
MULT 201	Introduction to 3D Graphics	3.0
WEBD 152	Beginning Web Development: HyperText Markup Language (HTML) and Cascading Style Sheets (CSS)	3.0
WEBD 154	Creating User-Centered Content	3.0

Select three units (one course) from the following: Units: 3.0

MULT 154	Advanced Unity Game Development	3.0
MULT 122	Advanced Visual Communication	3.0
MULT 211	3D Modeling	3.0
MULT 213	3D Texturing and Lighting	3.0
MULT 215	3D Character Design and Development	3.0
MULT 217	3D Studio Pre-Production	3.0
ARTF 150A	Two-Dimensional Design	3.0
ARTF 151	Three-Dimensional Design	3.0
ARTF 152	Color Theory	3.0

Total: 27.0

INTERIOR DESIGN - ASSOCIATE OF SCIENCE DEGREE: MESA

Summary

The Associate of Science Degree in Interior Design provides students with comprehensive skills and knowledge in core competencies to meet professional standards that promote the health, safety, and welfare of the public. An A.S. graduate will have enhanced career opportunities through the creation of a more comprehensive, skills-based portfolio, be a more competitive candidate for entry-level employment, and fulfill the educational requirements to sit for the California Council of Interior Design Certification (CCIDC) IDEX® for the state of California and National Council for Interior Design Qualification (NCIDQ) exams. *Students are advised to research the most current Interior Design certification and legislation requirements if they plan to practice outside of California upon graduation.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Interior Design Program will be able to:

1. Communicate with other professional members of the built environment demonstrating their specialized knowledge of interior construction, building codes, equipment, materials and furnishings, and sustainable and universal design principles.
2. Apply critical and design thinking to identify and creatively solve problems relating to the function, aesthetics and quality of the interior environment enhancing the health, safety and welfare of the public.
3. Perform services relative to interior spaces, including gathering information, programming, space planning, and the creation of drawings and specifications using current technology and practices.
4. Demonstrate knowledge of professional and ethical practices in the field of Interior Design as well as exhibit awareness and an appreciation of cultural diversity regionally, nationally and globally.
5. Demonstrate the ability to work independently and collaboratively within the design community.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 45.0

ARTF 152	Color Theory	3.0
INTE 101	Introduction to Interior Design	3.0
INTE 105	Residential Design	3.0
INTE 110	Materials and Resources	3.0
INTE 112A	Visual Communication I	3.0
INTE 112B	Visual Communication II	3.0
INTE 115	Elements and Principles of Interior Design	3.0
		3.0
INTE 120	Revit for Interiors	3.0
OR		

INTE 135	AutoCAD for Interiors	3.0
INTE 125	History of Furniture and Interiors	3.0
INTE 130	Interior Design Professional Practice	3.0
INTE 145	Interior Building Systems and Codes	3.0
INTE 200	Kitchen and Bath Design	3.0
INTE 205	Non-Residential Space Planning	3.0
INTE 210	Presentation and Color Rendering	3.0
INTE 215	Environmental Lighting Design	3.0

¹Meets C. Humanities and District Requirement for Multicultural Studies for Associate Degree

Select 15 - 17 units (five courses) from the following:

Units: 15.0-17.0

INTE 120	Revit for Interiors	3.0
INTE 135	AutoCAD for Interiors	3.0
INTE 270	Work Experience	3.0-4.0
ARCH 101	Archicad	3.0
ARCH 113	Rhino for Architecture	3.0
ARCH 127	History of World Architecture: Renaissance Through Contemporary	3.0
ARCH 130	Materials of Construction	3.0
ARCH 205	Estimating	3.0
ARCH 231	Sustainability in the Built Environment	4.0
ARTF 161A	Museum Studies/Gallery Exhibition Skills I	3.0
BLDC 55	Construction Plan Reading	3.0
BLDC 70	Building Codes and Zoning	3.0
BUSE 140	Business Law and the Legal Environment	3.0
BUSE 155	Small Business Management	3.0
COMM C1000	Introduction to Public Speaking	3.0
MARK 100	Principles of Marketing	3.0
MULT 100	Introduction to Visual Communication	3.0

²Unless taken as major course. Course qualifies as NCIDQ core coursework.

³Highly recommended for all interior design major students. Course qualifies as NCIDQ core coursework.

⁴Elective qualifies as NCIDQ core coursework.

Total: 60.0-62.0

INTERIOR DESIGN - CERTIFICATE OF ACHIEVEMENT: MESA

Summary

The Certificate of Achievement in Interior Design prepares students to acquire the essential skills and knowledge for entry-level positions in the interior design industry. The certificate is an ideal option for individuals with prior educational and professional experiences in the field. Upon successful completion of the certificate, students may fulfill the educational requirements for the California Council of Interior Design Certification (CCIDC) IDEX® exam to become a Certified Interior Designer (CID) in the state of California.

Learning Outcome(s): Students who complete the Interior Design Program will be able to:

1. Communicate with other professional members of the built environment demonstrating their specialized knowledge of interior construction, building codes, equipment, materials and furnishings, and sustainable and universal design principles.

2. Apply critical and design thinking to identify and creatively solve problems relating to the function, aesthetics and quality of the interior environment enhancing the health, safety and welfare of the public.
3. Perform services relative to interior spaces, including gathering information, programming, space planning, and the creation of drawings and specifications using current technology and practices.
4. Demonstrate knowledge of professional and ethical practices in the field of Interior Design as well as exhibit awareness and an appreciation of cultural diversity regionally, nationally and globally.
5. Demonstrate the ability to work independently and collaboratively within the design community.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 36.0

INTE 101	Introduction to Interior Design	3.0
INTE 105	Residential Design	3.0
INTE 110	Materials and Resources	3.0
INTE 112A	Visual Communication I	3.0
INTE 112B	Visual Communication II	3.0
INTE 115	Elements and Principles of Interior Design	3.0
INTE 120	Revit for Interiors	3.0
INTE 125	History of Furniture and Interiors	3.0
INTE 135	AutoCAD for Interiors	3.0
INTE 145	Interior Building Systems and Codes	3.0
INTE 210	Presentation and Color Rendering	3.0
INTE 215	Environmental Lighting Design	3.0

¹Meets 3. Arts and Humanities and District Requirement for Multicultural Studies for Associate Degree

Select 4 - 6 units (one or two courses) from the following:

Units: 4.0-6.0

INTE 130	Interior Design Professional Practice	3.0
INTE 200	Kitchen and Bath Design	3.0
INTE 205	Non-Residential Space Planning	3.0
INTE 270	Work Experience	3.0-4.0

²Highly recommended for all interior design major students.

Total: 40.0-42.0

INSTRUCTIONAL DESIGN - CERTIFICATE OF ACHIEVEMENT: MESA

Summary

The Instructional Design Certificate of Achievement gives students hands-on experience applying foundational theories to design inclusive learning experiences using a variety of e-learning tools, artificial intelligence (AI), and multimedia. Students learn to design human-centered accessible learning spaces that invite connection and caring. Students come away with a comprehensive portfolio demonstrating their skills in instructional design, tools, and teamwork, positioning them for new career opportunities in the field of instructional design.

Learning Outcome(s): Students who complete the Instructional Design Program will be able to:

1. Apply instructional design theories and models in the development of learning experiences.
2. Develop accessible instructional materials that are inclusive of diverse learner populations.
3. Enhance learning experiences through human-centered design and technology.
4. Facilitate engaging learning experiences across different training modalities.
5. Optimize outcomes through assessment and evaluation.
6. Prepare for career advancement in the field of instructional design.

Requirements

Core Courses

Units: 13.0

EDUC 120	Introduction to Human-Centered Instructional Design in the Age of Artificial Intelligence	2.0
EDUC 122	Needs Assessment in Instructional Design	2.0
EDUC 124	Training Design	2.0
EDUC 126	Measuring Impact in Instructional Design	2.0
EDUC 128	Facilitating Training	2.0
EDUC 130	Inclusive Content Development	2.0
EDUC 140	Instructional Design Capstone	1.0

Select six units (three courses) from the following:

Units: 6.0

EDUC 132	Instructional Videos	2.0
EDUC 134	E-learning Tools	2.0
EDUC 136	Artificial Intelligence for Instructional Designers	2.0
EDUC 138	Project Management for Instructional Designers	2.0

Total: 19.0

JAPANESE - ASSOCIATE OF ARTS DEGREE: MESA

Summary

Program provides training in the fundamental skills of understanding, speaking, reading and writing the language, and increases one's familiarity with the Japanese language. From a vocational standpoint, the curriculum will provide a student with skills useful in translating, interpreting, teaching, linguistic or literary research, music, foreign trade, or missionary work. The major requires 26 units in Japanese, unless the student has completed two years of Japanese in high school (with a "C" average or better). In this case, the department will determine the courses necessary to complete the requirements.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Japanese Program will be able to:

1. Demonstrate level-appropriate proficiency on the ACTFL scale in understanding, speaking, reading, and writing of the targeted language.
2. Utilize targeted language skills to complete a general program of lower division coursework, pursue language study at the transfer level, for personal enrichment, or for professional development.
3. Apply knowledge of and sensitivity to aspects of behavior, attitudes, and values of targeted language-speaking countries to connect with the global community.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 26.0

JAPN 101	First Course in Japanese	5.0
JAPN 102	Second Course in Japanese	5.0
JAPN 201	Third Course in Japanese	5.0
JAPN 202	Fourth Course in Japanese	5.0
JAPN 210	Conversation and Composition in Japanese I	3.0
JAPN 211	Conversation and Composition in Japanese II	3.0

Total: 26.0

JOURNALISM - ASSOCIATE IN ARTS FOR TRANSFER DEGREE: MESA

Summary

The Associate in Arts in Journalism for Transfer is intended for students who plan to complete a bachelor's degree in Journalism or a related major in the California State University (CSU) system. It is accepted by some but not all CSU campuses. Students who complete this degree and transfer to a participating CSU campus will be required to complete no more than 60 units after transfer to earn a bachelor's degree. It may not be appropriate preparation for students transferring to a CSU campus that does not accept the degree.

NOTE: Students intending to transfer into this major at a CSU should consult with a counselor and visit www.assist.org for guidance on appropriate transfer coursework.

Award Notes:

The following is required for all AA-T or AS-T degrees:

- Completion of 60 semester units that are eligible for transfer to the California State University
- Completion of a minimum of 18 semester units in an "AA-T" or "AS-T" major.
- Minimum grade point average (GPA) of at least 2.0 in all CSU-transferable coursework. While a minimum of 2.0 is required for admission, some CSU campuses and majors may require a higher GPA. Please see a counselor for more information.
- Minimum grade of "C" or "P" or better for each course in the major. Students should review the Pass/No Pass acceptance policy of the transfer institution prior to requesting this grade option.
- Certified completion of the California General Education Transfer Curriculum (Cal-GETC) pattern.

Learning Outcome(s): Students who complete the Journalism Program will be able to:

1. Demonstrate an understanding of the role of the mass media in society.
2. Demonstrate understanding of legal issues of libel, privacy, copyright, free speech/press, as well as an understanding of ethical issues such as plagiarism, fabrication, and conflict of interest.
3. Write, edit, and revise stories in accepted journalistic style utilizing multiple platforms.

Requirements

COURSES REQUIRED FOR THE MAJOR:		Units: 9.0
JOUR 200	Introduction to Newswriting and Reporting	3.0
JOUR 202	Introduction to Mass Communication	3.0
JOUR 210A	Newspaper Production 1	3.0
Category A: Select one of the following courses (3 units):		Units: 3.0
JOUR 206	Online Journalism	3.0
JOUR 210B	Newspaper Production 2	3.0
JOUR 220	Principles of Public Relations	3.0
Category B: Select two of the following courses, or any course not selected in Category A (6 units):		Units: 6.0
DRAM 150	Cinema as Art and Communication I	3.0
ECON 120	Principles of Macroeconomics	3.0
OR		
ECON 121	Principles of Microeconomics	3.0
ENGL C1000	Academic Reading and Writing	3.0
ENGL 105	Composition and Literature	3.0
ENGL C1001	Critical Thinking and Writing	3.0

		3.0
PSYC 258	Behavioral Science Statistics	3.0
OR		
STAT C1000	Introduction to Statistics	3.0
POLI 101	Introduction to Political Science	3.0
POLS C1000	American Government and Politics	3.0
PSYC C1000	Introduction to Psychology	3.0
SOCO 101	Principles of Sociology	3.0
		Total: 18.0

JOURNALISM - ASSOCIATE OF ARTS DEGREE: MESA

Summary

The Journalism program encompasses theoretical and practical training in print and online news media, including newspapers and online media, as well as in the field of public relations. This program is designed to prepare students for employment in the fields of print and online media and public relations. Course offerings include: news writing, reporting, editing, and online journalism. An advanced course devoted to the publication of The Mesa Press (Journalism 210A), San Diego Mesa College's campus newspaper, allows students to engage in all phases of newspaper production, including news writing, reporting, editing, photography, advertising, design and layout.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Journalism Program will be able to:

1. Demonstrate an understanding of the role of the mass media in society.
2. Demonstrate understanding of legal issues of libel, privacy, copyright, free speech/press, as well as an understanding of ethical issues such as plagiarism, fabrication, and conflict of interest.
3. Write, edit, and revise stories in accepted journalistic style utilizing multiple platforms.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 12.0

		3.0
ENGL C1000	Academic Reading and Writing	3.0
OR		
ENGL 105	Composition and Literature	3.0
JOUR 200	Introduction to Newswriting and Reporting	3.0
JOUR 210A	Newspaper Production 1	3.0
JOUR 210B	Newspaper Production 2	3.0

Choose 9 units from the following:

Units: 9.0

JOUR 210C	Newspaper Production 3	3.0
JOUR 210D	Newspaper Production 4	3.0
JOUR 202	Introduction to Mass Communication	3.0
JOUR 206	Online Journalism	3.0
JOUR 220	Principles of Public Relations	3.0

Total: 21.0

JOURNALISM - CERTIFICATE OF ACHIEVEMENT: MESA

Summary

The Certificate of Achievement in Journalism recognizes a student's successful completion of select Journalism courses for employment, job enhancement or advancement.

Learning Outcome(s): Students who complete the Journalism Program will be able to:

1. Demonstrate an understanding of the role of the mass media in society.
2. Demonstrate understanding of legal issues of libel, privacy, copyright, free speech/press, as well as an understanding of ethical issues such as plagiarism, fabrication, and conflict of interest.
3. Write, edit, and revise stories in accepted journalistic style utilizing multiple platforms.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 12.0

		3.0
ENGL C1000	Academic Reading and Writing	3.0
OR		
ENGL 105	Composition and Literature	3.0
JOUR 200	Introduction to Newswriting and Reporting	3.0
JOUR 210A	Newspaper Production 1	3.0
JOUR 210B	Newspaper Production 2	3.0

Choose 9 units from the following:

Units: 9.0

JOUR 210C	Newspaper Production 3	3.0
JOUR 210D	Newspaper Production 4	3.0
JOUR 202	Introduction to Mass Communication	3.0
JOUR 206	Online Journalism	3.0
JOUR 220	Principles of Public Relations	3.0

Total: 21.0

KINESIOLOGY - ASSOCIATE IN ARTS FOR TRANSFER DEGREE: MESA

Summary

The Associate in Arts in Kinesiology for Transfer is intended for students who plan to complete a bachelor's degree in Kinesiology or a related major in the California State University (CSU) system. It is accepted by some but not all CSU campuses. Students who complete this degree and transfer to a participating CSU campus will be required to complete no more than 60 units after transfer to earn a bachelor's degree. It may not be appropriate preparation for students transferring to a CSU campus that does not accept the degree. Students who plan to complete this degree should consult a counselor for additional information about participating CSU campuses as well as university admission, degree, and transfer requirements.

NOTE: Students intending to transfer into this major at a CSU should consult with a counselor and visit www.assist.org for guidance on appropriate transfer coursework.

Award Notes:

The following is required for all AA-T or AS-T degrees:

- Completion of 60 semester units that are eligible for transfer to the California State University
- Completion of a minimum of 18 semester units in an "AA-T" or "AS-T" major.

- Minimum grade point average (GPA) of at least 2.0 in all CSU-transferable coursework. While a minimum of 2.0 is required for admission, some CSU campuses and majors may require a higher GPA. Please see a counselor for more information.
- Minimum grade of "C" or "P" or better for each course in the major. Students should review the Pass/No Pass acceptance policy of the transfer institution prior to requesting this grade option.
- Certified completion of the California General Education Transfer Curriculum (Cal-GETC) pattern.

Learning Outcome(s): Students who complete the Kinesiology Program will be able to:

1. Apply core critical thinking skills of analysis, interpretation, evaluation and explanation in the development of nutritional and fitness plans and the acquisition of skill development including proper techniques, physiological principles and kinesthetic awareness.
2. Demonstrate effective and sensitive verbal, nonverbal and written communications skills.
3. Value and implement physical fitness activities, wellness strategies and principles in support of a healthy lifestyle.
4. Display the attributes of sportsmanship and teamwork as it pertains to physical education and athletic competition.
5. Utilize current technology to research and compile information in health and wellness, human performance and athletic competition.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 11.0

BIOL 230	Human Anatomy	4.0
BIOL 235	Human Physiology	4.0
EXSC 241B	Introduction to Kinesiology	3.0

Select a maximum of one (1) course from any three (3) of the following areas for a minimum of three units

Units: 3.0-3.5

Aquatics

EXSC 110A	Surfing I	1.0
EXSC 110B	Surfing II	1.0
EXSC 113A	Swimming I	1.0
EXSC 113B	Swimming II	1.0
EXSC 113C	Swimming III	1.0
EXSC 113D	Swimming IV	1.0
EXSC 114A	Aquatic Fitness I	1.0
EXSC 114B	Aquatic Fitness II	1.0
EXSC 114C	Aquatic Fitness III	1.0
EXSC 114D	Aquatic Fitness IV	1.0
EXSC 116A	Stand Up Paddle Boarding	1.0
EXSC 116B	Kayaking	1.0

Combative

EXSC 147A	Kickboxing I	1.0
EXSC 147B	Kickboxing II	1.0
EXSC 147C	Kickboxing III	1.0
EXSC 147D	Kickboxing IV	1.0
EXSC 148A	Mixed Martial Arts I	1.0
EXSC 148B	Mixed Martial Arts II	1.0
EXSC 148C	Mixed Martial Arts III	1.0
EXSC 148D	Mixed Martial Arts IV	1.0

Dance

DANC 112A	Ballet I	1.5
DANC 112B	Ballet II	1.5
DANC 112C	Ballet III	1.5
DANC 112D	Ballet IV	1.5
DANC 117A	Tap Dance I	1.5
DANC 117B	Tap Dance II	1.5
DANC 117C	Tap Dance III	1.5
DANC 117D	Tap Dance IV	1.5
DANC 122A	Hip Hop I	1.5
DANC 122B	Hip Hop II	1.5
DANC 122C	Hip Hop III	1.5
DANC 122D	Hip Hop IV	1.5
DANC 125A	Latin American Dance I	1.0-1.5
DANC 125B	Latin American Dance II	1.0-1.5
DANC 126A	Belly Dance I	1.0
DANC 126B	Belly Dance II	1.0
DANC 137A	Jazz Dance I	1.5
DANC 137B	Jazz Dance II	1.5
DANC 137C	Jazz Dance III	1.5
DANC 137D	Jazz Dance IV	1.5
DANC 145A	Ballroom Dance I	1.0-1.5
DANC 145B	Ballroom Dance II	1.0-1.5

Fitness

EXSC 125A	Aerobic Dance I	1.0
EXSC 125B	Aerobic Dance II	1.0
EXSC 125C	Aerobic Dance III	1.0
EXSC 125D	Aerobic Dance IV	1.0
EXSC 126A	Cardio Conditioning I	1.0
EXSC 126B	Cardio Conditioning II	1.0
EXSC 126C	Cardio Conditioning III	1.0
EXSC 126D	Cardio Conditioning IV	1.0
EXSC 130A	Indoor Cycling I	1.0
EXSC 130B	Indoor Cycling II	1.0
EXSC 130C	Indoor Cycling III	1.0
EXSC 130D	Indoor Cycling IV	1.0
EXSC 135A	Individual Conditioning I	1.0
EXSC 135B	Individual Conditioning II	1.0
EXSC 135C	Individual Conditioning III	1.0
EXSC 135D	Individual Conditioning IV	1.0
EXSC 139A	Weight Training I	1.0
EXSC 139B	Weight Training II	1.0
EXSC 139C	Weight Training III	1.0
EXSC 139D	Weight Training IV	1.0
EXSC 140A	Boot Camp I	1.0
EXSC 140B	Boot Camp II	1.0
EXSC 140C	Boot Camp III	1.0
EXSC 140D	Boot Camp IV	1.0
EXSC 141A	Total Body Conditioning I	1.0
EXSC 141B	Total Body Conditioning II	1.0
EXSC 141C	Total Body Conditioning III	1.0

EXSC 145A	Yoga I	1.0
EXSC 145B	Yoga II	1.0
EXSC 145C	Yoga III	1.0
EXSC 145D	Yoga IV	1.0

Individual Sports

EXSC 154A	Badminton I	1.0
EXSC 154B	Badminton II	1.0
EXSC 154C	Badminton III	1.0
EXSC 154D	Badminton IV	1.0
EXSC 160A	Springboard Diving I	1.0
EXSC 160B	Springboard Diving II	1.0
EXSC 160C	Springboard Diving III	1.0
EXSC 166A	Golf I	1.0
EXSC 166B	Golf II	1.0
EXSC 166C	Golf III	1.0
EXSC 168A	Gymnastics I	1.0
EXSC 168B	Gymnastics II	1.0
EXSC 168C	Gymnastics III	1.0
EXSC 178A	Tennis I	1.0
EXSC 178B	Tennis II	1.0
EXSC 178C	Tennis III	1.0
EXSC 178D	Tennis IV	1.0
EXSC 179A	Pickleball I	1.0
EXSC 179B	Pickleball II	1.0
EXSC 179C	Pickleball III	1.0
EXSC 179D	Pickleball IV	1.0
EXSC 180A	Track and Field I	1.0
EXSC 180B	Track and Field II	1.0

Team Sports

EXSC 156A	Baseball I	1.0
EXSC 156B	Baseball II	1.0
EXSC 156C	Baseball III	1.0
EXSC 158A	Basketball I	1.0
EXSC 158B	Basketball II	1.0
EXSC 158C	Basketball III	1.0
EXSC 158D	Basketball IV	1.0
EXSC 164A	Football I	1.0
EXSC 164B	Football II	1.0
EXSC 164C	Football III	1.0
EXSC 174A	Soccer I	1.0
EXSC 174B	Soccer II	1.0
EXSC 174C	Soccer III	1.0
EXSC 174D	Soccer IV	1.0
EXSC 176A	Softball I	1.0
EXSC 176B	Softball II	1.0
EXSC 176C	Softball III	1.0
EXSC 182A	Volleyball I	1.0
EXSC 182B	Volleyball II	1.0
EXSC 182C	Volleyball III	1.0

EXSC 182D	Volleyball IV	1.0
EXSC 183A	Beach Volleyball I	1.0
EXSC 183B	Beach Volleyball II	1.0
EXSC 183C	Beach Volleyball III	1.0
EXSC 183D	Beach Volleyball IV	1.0
EXSC 184A	Water Polo I	1.0
EXSC 184B	Water Polo II	1.0
EXSC 184C	Water Polo III	1.0
EXSC 184D	Water Polo IV	1.0

Category A: Select two of the following courses (minimum 6 units):

Units: 6.0-10.0

		3.0
BIOL 200	Biological Statistics	3.0
OR		
STAT C1000	Introduction to Statistics	3.0
OR		
PSYC 258	Behavioral Science Statistics	3.0
		5.0
CHEM 200	General Chemistry I - Lecture	3.0
AND		
CHEM 200L	General Chemistry I - Laboratory	2.0
HEAL 131	Emergency Medical Response	3.0
PHYS 125	General Physics	5.0

Total: 20.0-24.5

KINESIOLOGY - ASSOCIATE OF SCIENCE DEGREE: MESA

Summary

The Associate of Science Degree in Kinesiology prepares students to transfer to a four year school to continue their studies of Kinesiology or related fields of study.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Kinesiology Program will be able to:

1. Apply core critical thinking skills of analysis, interpretation, evaluation, and explanation in the development of al and fitness plans and the acquisition of skill development, including proper techniques, physiological principles and kinesthetic awareness.
2. Demonstrate effective and sensitive verbal, non-verbal and written communication skill.
3. Value and implement physical fitness activities, wellness strategies and principles in support of a healthy lifestyle.
4. Display the attributes of sportsmanship and teamwork as it pertains to physical education and athletic competition.
5. Utilize current technology to research and compile information in health and wellness, human performance and athletic competition.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 17.0

EXSC 240	Physical Education in the Elementary Schools	3.0
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EXSC 241B	Introduction to Kinesiology	3.0
EXSC 242B	Care and Prevention of Injuries	3.0
BIOL 230	Human Anatomy	4.0
BIOL 235	Human Physiology	4.0

Select a minimum of one unit from Aquatics:

Units: 1.0

EXSC 110A	Surfing I	0.5-1.0
EXSC 110B	Surfing II	0.5-1.0
EXSC 110C	Surfing III	0.5-1.0
EXSC 110D	Surfing IV	0.5-1.0
EXSC 113A	Swimming I	0.5-1.0
EXSC 113B	Swimming II	0.5-1.0
EXSC 113C	Swimming III	0.5-1.0
EXSC 113D	Swimming IV	0.5-1.0
EXSC 116A	Stand Up Paddle Boarding	1.0
EXSC 116B	Kayaking	1.0

Select a minimum of one unit from Aerobics:

Units: 1.0

EXSC 114A	Aquatic Fitness I	0.5-1.0
EXSC 114B	Aquatic Fitness II	0.5-1.0
EXSC 114C	Aquatic Fitness III	0.5-1.0
EXSC 114D	Aquatic Fitness IV	0.5-1.0
EXSC 122A	Cardio Zumba I	1.0
EXSC 122B	Cardio Zumba II	1.0
EXSC 124A	Core and Cardio Fitness I	0.5-1.0
EXSC 124B	Core and Cardio Fitness II	0.5-1.0
EXSC 124C	Core and Cardio Fitness III	0.5-1.0
EXSC 124D	Core and Cardio Fitness IV	0.5-1.0
EXSC 125A	Aerobic Dance I	0.5-1.0
EXSC 125B	Aerobic Dance II	0.5-1.0
EXSC 125C	Aerobic Dance III	0.5-1.0
EXSC 125D	Aerobic Dance IV	0.5-1.0
EXSC 126A	Cardio Conditioning I	0.5-1.0
EXSC 126B	Cardio Conditioning II	0.5-1.0
EXSC 126C	Cardio Conditioning III	0.5-1.0
EXSC 126D	Cardio Conditioning IV	0.5-1.0
EXSC 130A	Indoor Cycling I	0.5-1.0
EXSC 130B	Indoor Cycling II	0.5-1.0
EXSC 130C	Indoor Cycling III	0.5-1.0
EXSC 130D	Indoor Cycling IV	0.5-1.0

Select a minimum of one unit from Anaerobics:

Units: 1.0-1.5

EXSC 135A	Individual Conditioning I	0.5-1.0
EXSC 135B	Individual Conditioning II	0.5-1.0
EXSC 135C	Individual Conditioning III	0.5-1.0
EXSC 135D	Individual Conditioning IV	0.5-1.0
EXSC 136A	Off-Season Conditioning for Sport I	0.5-1.0
EXSC 136B	Off-Season Conditioning for Sport II	0.5-1.0
EXSC 139A	Weight Training I	0.5-1.0
EXSC 139B	Weight Training II	0.5-1.0

EXSC 139C	Weight Training III	0.5-1.0
EXSC 139D	Weight Training IV	0.5-1.0
EXSC 140A	Boot Camp I	0.5-1.0
EXSC 140B	Boot Camp II	0.5-1.0
EXSC 140C	Boot Camp III	0.5-1.0
EXSC 140D	Boot Camp IV	0.5-1.0
EXSC 141A	Total Body Conditioning I	0.5-1.0
EXSC 141B	Total Body Conditioning II	0.5-1.0
EXSC 141C	Total Body Conditioning III	0.5-1.0
EXSC 145A	Yoga I	0.5-1.0
EXSC 145B	Yoga II	0.5-1.0
EXSC 145C	Yoga III	0.5-1.0
EXSC 145D	Yoga IV	0.5-1.0
DANC 160A	Pilates - Stretch and Conditioning	1.0-1.5
DANC 160B	Pilates - Alignment and Correctives	1.0-1.5

Select a minimum of one unit from Individual Sports:

Units: 1.0-3.5

EXSC 147A	Kickboxing I	0.5-1.0
EXSC 147B	Kickboxing II	0.5-1.0
EXSC 147C	Kickboxing III	0.5-1.0
EXSC 147D	Kickboxing IV	0.5-1.0
EXSC 148A	Mixed Martial Arts I	0.5-1.0
EXSC 148B	Mixed Martial Arts II	0.5-1.0
EXSC 148C	Mixed Martial Arts III	0.5-1.0
EXSC 148D	Mixed Martial Arts IV	0.5-1.0
EXSC 154A	Badminton I	0.5-1.0
EXSC 154B	Badminton II	0.5-1.0
EXSC 154C	Badminton III	0.5-1.0
EXSC 154D	Badminton IV	0.5-1.0
EXSC 160A	Springboard Diving I	0.5-1.0
EXSC 160B	Springboard Diving II	0.5-1.0
EXSC 166A	Golf I	0.5-1.0
EXSC 166B	Golf II	0.5-1.0
EXSC 166C	Golf III	0.5-1.0
EXSC 166D	Golf IV	0.5-1.0
EXSC 168A	Gymnastics I	0.5-1.0
EXSC 168B	Gymnastics II	0.5-1.0
EXSC 168C	Gymnastics III	0.5-1.0
EXSC 168D	Gymnastics IV	0.5-1.0
EXSC 178A	Tennis I	0.5-1.0
EXSC 178B	Tennis II	0.5-1.0
EXSC 178C	Tennis III	0.5-1.0
EXSC 178D	Tennis IV	0.5-1.0
EXSC 179A	Pickleball I	0.5-1.0
EXSC 179B	Pickleball II	0.5-1.0
EXSC 179C	Pickleball III	0.5-1.0
EXSC 179D	Pickleball IV	0.5-1.0
EXSC 180A	Track and Field I	0.5-1.0
EXSC 180B	Track and Field II	0.5-1.0
EXSC 180C	Track and Field III	0.5-1.0
EXSC 180D	Track and Field IV	0.5-1.0

EXSC 200	Intercollegiate Badminton I	2.0-3.5
EXSC 201	Intercollegiate Badminton II	2.0-3.5
EXSC 206	Intercollegiate Cross-Country I	2.0-3.5
EXSC 207	Intercollegiate Cross Country II	2.0-3.5
EXSC 218	Intercollegiate Swimming I	2.0-3.5
EXSC 219	Intercollegiate Swimming II	2.0-3.5
EXSC 222	Intercollegiate Track and Field I	2.0-3.5
EXSC 223	Intercollegiate Track and Field II	2.0-3.5

Select a minimum of one unit from Team Sports:

Units: 1.0-3.5

EXSC 156A	Baseball I	0.5-1.0
EXSC 156B	Baseball II	0.5-1.0
EXSC 156C	Baseball III	0.5-1.0
EXSC 156D	Baseball IV	0.5-1.0
EXSC 158A	Basketball I	0.5-1.0
EXSC 158B	Basketball II	0.5-1.0
EXSC 158C	Basketball III	0.5-1.0
EXSC 158D	Basketball IV	0.5-1.0
EXSC 164A	Football I	0.5-1.0
EXSC 164B	Football II	0.5-1.0
EXSC 164C	Football III	0.5-1.0
EXSC 164D	Football IV	0.5-1.0
EXSC 174A	Soccer I	0.5-1.0
EXSC 174B	Soccer II	0.5-1.0
EXSC 174C	Soccer III	0.5-1.0
EXSC 174D	Soccer IV	0.5-1.0
EXSC 176A	Softball I	0.5-1.0
EXSC 176B	Softball II	0.5-1.0
EXSC 176C	Softball III	0.5-1.0
EXSC 176D	Softball IV	0.5-1.0
EXSC 182A	Volleyball I	0.5-1.0
EXSC 182B	Volleyball II	0.5-1.0
EXSC 182C	Volleyball III	0.5-1.0
EXSC 182D	Volleyball IV	0.5-1.0
EXSC 183A	Beach Volleyball I	0.5-1.0
EXSC 183B	Beach Volleyball II	0.5-1.0
EXSC 183C	Beach Volleyball III	0.5-1.0
EXSC 183D	Beach Volleyball IV	0.5-1.0
EXSC 184A	Water Polo I	0.5-1.0
EXSC 184B	Water Polo II	0.5-1.0
EXSC 184C	Water Polo III	0.5-1.0
EXSC 184D	Water Polo IV	0.5-1.0
EXSC 202	Intercollegiate Baseball I	2.0-3.5
EXSC 203	Intercollegiate Baseball II	2.0-3.5
EXSC 204	Intercollegiate Basketball I	2.0-3.5
EXSC 205	Intercollegiate Basketball II	2.0-3.5
EXSC 210	Intercollegiate Football I	2.0-3.5
EXSC 211	Intercollegiate Football II	2.0-3.5
EXSC 214	Intercollegiate Soccer I	2.0-3.5
EXSC 215	Intercollegiate Soccer II	2.0-3.5
EXSC 216	Intercollegiate Softball I	2.0-3.5

EXSC 217	Intercollegiate Softball II	2.0-3.5
EXSC 224	Intercollegiate Volleyball I	2.0-3.5
EXSC 225	Intercollegiate Volleyball II	2.0-3.5
EXSC 226	Intercollegiate Water Polo I	2.0-3.5
EXSC 227	Intercollegiate Water Polo II	2.0-3.5
EXSC 228A	Intercollegiate Beach Volleyball I	2.0-3.5
EXSC 228B	Intercollegiate Beach Volleyball II	2.0-3.5

Select a minimum of one unit from Dance:

Units: 1.0-1.5

DANC 112A	Ballet I	1.5
DANC 112B	Ballet II	1.5
DANC 122A	Hip Hop I	1.5
DANC 122B	Hip Hop II	1.5
DANC 125A	Latin American Dance I	1.0-1.5
DANC 125B	Latin American Dance II	1.0-1.5
DANC 137A	Jazz Dance I	1.5
DANC 137B	Jazz Dance II	1.5
DANC 142A	Modern Dance I	1.5
DANC 142B	Modern Dance II	1.5
DANC 145A	Ballroom Dance I	1.0-1.5
DANC 145B	Ballroom Dance II	1.0-1.5

Select a minimum of two units from Theory:

Units: 2.0-3.0

HEAL 101	Health and Lifestyle	3.0
HEAL 195	Health Education For Teachers	2.0
EXSC 230A	Theories and Strategies of Baseball I	2.0
EXSC 230B	Theories and Strategies of Baseball II	2.0
EXSC 231A	Theories and Strategies of Basketball I	2.0
EXSC 231B	Theories and Strategies of Basketball II	2.0
EXSC 232A	Professional Activities/Cross Country I	2.0
EXSC 232B	Professional Activities/Cross Country II	2.0
EXSC 233A	Theories and Strategies of Intercollegiate Football I	2.0
EXSC 233B	Theories and Strategies of Intercollegiate Football II	2.0
EXSC 234A	Theories and Strategies of Soccer I	2.0
EXSC 234B	Theories and Strategies of Soccer II	2.0
EXSC 235A	Theories and Strategies of Softball I	2.0
EXSC 235B	Theories and Strategies of Softball II	2.0
EXSC 236A	Theories and Strategies of Beach Volleyball I	2.0
EXSC 236B	Theories and Strategies of Beach Volleyball II	2.0
EXSC 238A	Theories and Strategies/Track and Field I	2.0
EXSC 238B	Theories and Strategies/Track and Field II	2.0
EXSC 239A	Theories and Strategies of Intercollegiate Volleyball I	2.0
EXSC 239B	Theories and Strategies of Intercollegiate Volleyball II	2.0
EXSC 243A	Theories and Strategies of Water Polo I	2.0
EXSC 243B	Theories and Strategies of Water Polo II	2.0
EXSC 244A	Theories and Strategies of Swimming and Diving I	2.0
EXSC 244B	Theories and Strategies of Swimming and Diving II	2.0

Total: 25.0-32.0

LIBERAL ARTS & SCIENCES: SCIENCE STUDIES-KINESIOLOGY & NUTRITION - ASSOCIATE OF ARTS DEGREE: MESA

Summary

The Science Studies–Kinesiology and Nutrition focus is intended to help students prepare for possible majors within a kinesiology and nutrition-related major. Common university majors in this field include: Foods and Nutrition, Health Science, and Kinesiology. This degree is designed to accommodate the differing requirements of a wide variety of transfer institutions and major options. Because admission and major preparation requirements vary at each transfer institution, courses used to complete this major must be selected with the assistance of a San Diego Mesa College counselor

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Liberal Arts & Sciences: Science Studies-Kinesiology & Nutrition Program will be able to:

1. Think critically by analyzing problems, weighing evidence, and drawing conclusions. The student will utilize both inductive and deductive reasoning in these efforts.
2. Articulate critical thinking outcomes in writing.
3. Assess the value of technology in the endeavor to understand the natural world. In laboratory settings, the student will employ technology in the gathering of evidence about the natural world and in the analysis of that evidence.
4. Demonstrate understanding of the impact of science on the environment and on society.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 12.0

BIOL 107	General Biology-Lecture and Laboratory	4.0
		4.0
		4.0
CHEM 100	Fundamentals of Chemistry	3.0
AND		
CHEM 100L	Fundamentals of Chemistry Laboratory	1.0
OR		
		4.0
CHEM 152	Introduction to General Chemistry	3.0
AND		
CHEM 152L	Introduction to General Chemistry Laboratory	1.0
BIOL 230	Human Anatomy	4.0

Select a minimum of 6 units:

Units: 6.0

ACCT 116A	Financial Accounting	4.0
BIOL 205	General Microbiology	5.0
BIOL 210A	Introduction to the Biological Sciences I	4.0
CHEM 130	Introduction to Organic and Biological Chemistry	3.0
CHEM 130L	Introduction to Organic and Biological Chemistry Laboratory	1.0
CHEM 160	Introductory Biochemistry	3.0
CHEM 200	General Chemistry I - Lecture	3.0
CHEM 200L	General Chemistry I - Laboratory	2.0
CHEM 201	General Chemistry II - Lecture	3.0

CHEM 201L	General Chemistry II - Laboratory	2.0
EXSC 139A	Weight Training I	0.5-1.0
EXSC 241B	Introduction to Kinesiology	3.0
EXSC 242B	Care and Prevention of Injuries	3.0
NUTR 150	Nutrition Science and Global Food Issues	3.0
NUTR 155	Advanced Nutrition	3.0
NUTR 170	Nutrition and Fitness	3.0
PHYS 125	General Physics	5.0
PHYS 126	General Physics II	5.0
PSYC C1000	Introduction to Psychology	3.0
PSYC 258	Behavioral Science Statistics	3.0
SOCO 101	Principles of Sociology	3.0

Total: 18.0

LIBERAL ARTS AND SCIENCES: SOCIAL AND BEHAVIORAL SCIENCES-ECONOMICS - ASSOCIATE OF ARTS DEGREE: MESA

Summary

The Social and Behavioral Science is intended to help students prepare for possible majors within a social/behavioral science-related major. Common university majors in this field include: Anthropology, Child Development, Criminal Justice Administration, Gerontology, History, Human Development, Political Science, Psychology, Social Science, Social Work, Sociology, Urban Studies and Planning, and Women's Studies. This degree is designed to accommodate the differing requirements of a wide variety of transfer institutions and major options. Because admission and major preparation requirements vary at each transfer institution, courses used to complete this major must be selected with the assistance of a San Diego Mesa College counselor.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Liberal Arts and Sciences: Social and Behavioral Sciences-Economics Program will be able to:

1. Develop critical thinking skills in writing including the ability to frame questions, collect and weigh evidence, develop hypotheses, and derive conclusions.
2. Develop critical thinking skills in other modes of communication (spoken and unspoken) including the ability to frame questions, collect and weigh evidence, develop hypotheses and derive conclusions.
3. Compare and contrast the different research methods and/or critical assessments methods within the Social and Behavioral Sciences.
4. Develop an awareness of civic responsibilities and knowledge of global issues.

Requirements

COURSES REQUIRED FOR THE MAJOR: **Units: 6.0**

ECON 120	Principles of Macroeconomics	3.0
ECON 121	Principles of Microeconomics	3.0

Select a minimum of 12 units: **Units: 12.0**

ACCT 116A	Financial Accounting	4.0
ACCT 116B	Managerial Accounting	4.0
BUSE 120	Personal Financial Management	3.0
BUSE 190	Academic and Career Opportunities in Business	1.0
		3.0

BUSE 115	Statistics for Business	3.0
OR		
STAT C1000	Introduction to Statistics	3.0
OR		
PSYC 258	Behavioral Science Statistics	3.0
CBTE 140	Beginning Microsoft Excel	2.0
CBTE 151	Microsoft Access: Basic	1.0
CISC 181	Principles of Information Systems	4.0
COMS 160	Argumentation and Critical Thinking	3.0
LIBS 101	Information Literacy and Research Skills	1.0
MATH 121	Basic Techniques of Applied Calculus I	3.0
MATH 122	Basic Techniques of Calculus II	3.0
MATH 150	Calculus with Analytic Geometry I	5.0
MATH 151	Calculus with Analytic Geometry II	4.0
MATH 252	Calculus with Analytic Geometry III	4.0
MATH 254	Introduction to Linear Algebra	3.0
MATH 255	Differential Equations	3.0

or any Foreign Language courses, including AMSL.

Total: 18.0

LIBERAL ARTS AND SCIENCES: ART STUDIES-ART - ASSOCIATE OF ARTS DEGREE: MESA

Summary

The Art Studies - Art is intended to help students prepare for possible majors within an art-related major. Common university majors in this field include: Applied Design, Art, Art History, Painting and Printmaking, Sculpture, Studio Arts. This degree is designed to accommodate the differing requirements of a wide variety of transfer institutions and major options. Because admission and major preparation requirements vary at each transfer institution, courses used to complete this major must be selected with the assistance of a San Diego Mesa College counselor.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Liberal Arts and Sciences: Art Studies-Art Program will be able to:

1. Analyze problems, conceptualize theses, develop arguments, weigh evidence, and derive conclusions.
2. Articulate the critical thinking outcomes in writing and/or speaking or by other modes of communication.
3. Analyze one's own actions, to see the perspectives of other persons, and to work effectively with others in groups.
4. Understand one's role in society, take responsibility for one's own actions, make ethical decisions in complex situations, and participate actively in a diverse democracy.
5. Articulate similarities and contrasts among cultures, times and environments, describe and explain cultural pluralism and knowledge of global issues.
6. Understand and explain or analyze the applications of technology and to use technology in ways appropriate to the situation. This outcome includes information competency skills.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 9.0

ARTF 110	Art History: Prehistoric to Gothic	3.0
ARTF 111	Art History: Renaissance to Modern	3.0
ARTF 150A	Two-Dimensional Design	3.0

Select a minimum of 9 units:

Units: 9.0

ARTF 100	Art Orientation	3.0
ARTF 107	Contemporary Art	3.0
ARTF 109	Modern Art	3.0
ARTF 113	Arts of Africa, Oceania, and the Americas	3.0
ARTF 115	African Art	3.0
ARTF 120	Native American Art	3.0
ARTF 125	Art History: Arts of the Asian Continent	3.0
ARTF 130	Pre-Columbian Art	3.0
ARTF 150B	Beginning Graphic Design	3.0
ARTF 151	Three-Dimensional Design	3.0
ARTF 155A	Freehand Drawing I	3.0
ARTF 155B	Freehand Drawing II	3.0
ARTF 161A	Museum Studies/Gallery Exhibition Skills I	3.0
ARTF 161B	Museum Studies/Gallery Exhibition Skills II	3.0
ARTF 165A	Composition in Painting I	3.0
ARTF 165B	Composition in Painting II	3.0
ARTF 165C	Composition in Painting III	3.0
ARTF 165D	Composition in Painting IV	3.0
ARTF 174A	Book Arts I	3.0
ARTF 175A	Sculpture I	3.0
ARTF 175B	Sculpture II	3.0
ARTF 175C	Sculpture III	3.0
ARTF 190A	Black and White Art Photography	3.0
ARTF 191	Cultural Influences on Photography	3.0
ARTF 194	Critical Photography	3.0
ARTF 198A	Introduction to Printmaking I	3.0
ARTF 198B	Introduction to Printmaking II	3.0
ARTF 198C	Introduction to Printmaking III	3.0
ARTF 205A	Installation, Performance, and New Genres	3.0
ARTF 210A	Life Drawing I	3.0
ARTF 210B	Life Drawing II	3.0
ARTF 210C	Life Drawing III	3.0
ARTF 220A	Life Sculpture I	3.0
ARTF 220B	Life Sculpture II	3.0
ARTF 220C	Life Sculpture III	3.0
ARTF 231	Introduction to Digital Art	3.0
ARTF 233	Introduction to Digital Photographic Imaging	3.0

Total: 18.0

LIBERAL ARTS AND SCIENCES: BUSINESS STUDIES - ASSOCIATE OF ARTS DEGREE: MESA

Summary

The Business Studies is intended to help students prepare for possible majors within a business-related major. Common university majors in this field include: Business Administration, Business Economics, Economics,

Economics and International Studies, Economics and Mathematics, Hospitality and Tourism, International Business, International Development Studies, Management Science, Public Administration, and Recreation Administration. This degree is designed to accommodate the differing requirements of a wide variety of transfer institutions and major options. Because admission and major preparation requirements vary at each transfer institution, courses used to complete this major must be selected with the assistance of a San Diego Mesa College counselor.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Liberal Arts and Sciences: Business Studies Program will be able to:

1. Articulate and explain critical thinking outcomes in writing and speaking, as well as by other contemporary recognized modes of business communication.
2. Recognize and respect the business opinions and perspectives of others, and they will be able to work effectively with superiors, peers, and subordinates in organized group settings.
3. Analyze and accept responsibility for their own actions and make ethical decisions in the business environment.
4. Identify and describe global business issues.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 14.0

ACCT 116A	Financial Accounting	4.0
ACCT 116B	Managerial Accounting	4.0
ECON 120	Principles of Macroeconomics	3.0
ECON 121	Principles of Microeconomics	3.0

Select a minimum of 4 units:

Units: 4.0

BUSE 101	Business Mathematics	3.0
BUSE 115	Statistics for Business	3.0
BUSE 119	Business Communications	3.0
BUSE 120	Personal Financial Management	3.0
BUSE 127	Social Media for Business	3.0
BUSE 129	Introduction to Entrepreneurship	3.0
BUSE 140	Business Law and the Legal Environment	3.0
BUSE 190	Academic and Career Opportunities in Business	1.0
CHIC 141A	United States History from a Chicano Perspective	3.0
CHIC 141B	United States History from a Chicano Perspective	3.0
CISC 181	Principles of Information Systems	4.0
HIST 100	World History I	3.0
HIST 101	World History II	3.0
HIST 105	Introduction to Western Civilization I	3.0
HIST 109	History of the United States I	3.0
HIST 110	History of the United States History II	3.0
HIST 115A	History of the Americas I	3.0
HIST 115B	History of the Americas II	3.0
HIST 120	Introduction to Asian Civilizations	3.0
HIST 121	Asian Civilizations in Modern Times	3.0
HOSP 101	Introduction to Hospitality & Tourism	3.0
MATH 116	College and Matrix Algebra	3.0
STAT C1000	Introduction to Statistics	3.0
MATH 121	Basic Techniques of Applied Calculus I	3.0
MATH 122	Basic Techniques of Calculus II	3.0

MATH 150	Calculus with Analytic Geometry I	5.0
POLS C1000	American Government and Politics	3.0
PSYC C1000	Introduction to Psychology	3.0
PSYC 258	Behavioral Science Statistics	3.0
SOCO 101	Principles of Sociology	3.0

or any Foreign Language course, including AMSL.

Total: 18.0

LIBERAL ARTS AND SCIENCES: LANGUAGE ARTS AND HUMANITIES-CHINESE - ASSOCIATE OF ARTS DEGREE: MESA

Summary

The Language Arts and Humanities–Chinese is intended to help students prepare for possible majors within a language arts and Chinese language-related major. Common university majors in this field include: Foreign Language (all) and Chinese language. This degree is designed to accommodate the differing requirements of a wide variety of transfer institutions and major options. Because admission and major preparation requirements vary at each transfer institution, courses used to complete this major must be selected with the assistance of a San Diego Mesa College counselor.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Liberal Arts and Sciences: Language Arts and Humanities-Chinese Program will be able to:

1. Analyze problems, conceptualize theses, develop arguments, weigh evidence, and derive conclusions.
2. Articulate the critical thinking outcomes in writing and/or speaking or by other modes of communication.
3. Analyze one's own actions, to see the perspectives of other persons, and to work effectively with others in groups.
4. Understand one's role in society, take responsibility for one's own actions, make ethical decisions in complex situations, and participate actively in a diverse democracy.
5. Articulate similarities and contrasts among cultures, times and environments, describe and explain cultural pluralism and knowledge of global issues.
6. Explain the applications of technology and to use technology in ways appropriate to the situation. This outcome includes information competency skills.

Requirements

COURSES REQUIRED FOR THE MAJOR:		Units: 15.0
CHIN 101	First Course in Mandarin Chinese	5.0
CHIN 102	Second Course in Mandarin Chinese	5.0
CHIN 201	Third Course in Mandarin Chinese	5.0

Select a minimum of 3 units:		Units: 3.0
CHIN 202	Fourth Course in Mandarin Chinese	5.0
CHIN 210	Conversation and Composition in Chinese I	3.0
CHIN 211	Conversation and Composition in Chinese II	3.0
GERM 101	First Course in German	5.0
JAPN 101	First Course in Japanese	5.0
SPAN 101	First Course in Spanish	5.0

FREN 101	First Course in French	5.0
ITAL 101	First Course in Italian	5.0
RUSS 101	First Course in Russian	5.0
VIET 101	First Course in Vietnamese	5.0
GERM 102	Second Course in German	5.0
JAPN 102	Second Course in Japanese	5.0
SPAN 102	Second Course in Spanish	5.0
FREN 102	Second Course in French	5.0
ITAL 102	Second Course in Italian	5.0
RUSS 102	Second Course in Russian	5.0
VIET 102	Second Course in Vietnamese	5.0
GERM 201	Third Course in German	5.0
JAPN 201	Third Course in Japanese	5.0
SPAN 201	Third Course in Spanish	5.0
FREN 201	Third Course in French	5.0
ITAL 201	Third Course in Italian	5.0
RUSS 201	Third Course in Russian	5.0
VIET 201	Third Course in Vietnamese	5.0
ENGL 202	Introduction to Linguistics	3.0
ENGL 215	English Literature I: 800-1799	3.0
ENGL 216	English Literature II: 1800 - Present	3.0
CHIC 135	Chicana/o Literature	3.0
CHIC 138	Literature of La Raza in Latin America in Translation	3.0
HIST 120	Introduction to Asian Civilizations	3.0
HIST 121	Asian Civilizations in Modern Times	3.0
COMS 135	Interpersonal Communication	3.0
COMS 170	Small Group Communication	3.0
JOUR 202	Introduction to Mass Communication	3.0

Total: 18.0

LIBERAL ARTS AND SCIENCES: LANGUAGE ARTS AND HUMANITIES-FRENCH - ASSOCIATE OF ARTS DEGREE: MESA

Summary

The Language Arts and Humanities–French is intended to help students prepare for possible majors within a language arts and French language-related major. Common university majors in this field include: Foreign Language (all) and French language. This degree is designed to accommodate the differing requirements of a wide variety of transfer institutions and major options. Because admission and major preparation requirements vary at each transfer institution, courses used to complete this major must be selected with the assistance of a San Diego Mesa College counselor.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Liberal Arts and Sciences: Language Arts and Humanities-French Program will be able to:

1. Analyze problems, conceptualize theses, develop arguments, weigh evidence, and derive conclusions.
2. Articulate the critical thinking outcomes in writing and/or speaking or by other modes of communication.
3. Analyze one's own actions, to see the perspectives of other persons, and to work effectively with others in groups.
4. Understand one's role in society, take responsibility for one's own actions, make ethical decisions in complex situations, and participate actively in a diverse democracy.

5. Articulate similarities and contrasts among cultures, times and environments, describe and explain cultural pluralism and knowledge of global issues.
6. Explain the applications of technology and to use technology in ways appropriate to the situation. This outcome includes information competency skills.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 15.0

FREN 101	First Course in French	5.0
FREN 102	Second Course in French	5.0
FREN 201	Third Course in French	5.0

Select a minimum of 3 units:

Units: 3.0

FREN 202	Fourth Course in French	5.0
FREN 210	Conversation and Composition in French I	3.0
FREN 211	Conversation and Composition French II	3.0
CHIN 101	First Course in Mandarin Chinese	5.0
JAPN 101	First Course in Japanese	5.0
SPAN 101	First Course in Spanish	5.0
GERM 101	First Course in German	5.0
ITAL 101	First Course in Italian	5.0
RUSS 101	First Course in Russian	5.0
VIET 101	First Course in Vietnamese	5.0
CHIN 102	Second Course in Mandarin Chinese	5.0
JAPN 102	Second Course in Japanese	5.0
SPAN 102	Second Course in Spanish	5.0
GERM 102	Second Course in German	5.0
ITAL 102	Second Course in Italian	5.0
RUSS 102	Second Course in Russian	5.0
VIET 102	Second Course in Vietnamese	5.0
CHIN 201	Third Course in Mandarin Chinese	5.0
JAPN 201	Third Course in Japanese	5.0
SPAN 201	Third Course in Spanish	5.0
GERM 201	Third Course in German	5.0
ITAL 201	Third Course in Italian	5.0
RUSS 201	Third Course in Russian	5.0
VIET 201	Third Course in Vietnamese	5.0
ENGL 202	Introduction to Linguistics	3.0
ENGL 215	English Literature I: 800-1799	3.0
ENGL 216	English Literature II: 1800 - Present	3.0
CHIC 135	Chicana/o Literature	3.0
CHIC 138	Literature of La Raza in Latin America in Translation	3.0
HIST 120	Introduction to Asian Civilizations	3.0
HIST 121	Asian Civilizations in Modern Times	3.0
COMS 135	Interpersonal Communication	3.0
COMS 170	Small Group Communication	3.0
JOUR 202	Introduction to Mass Communication	3.0

Total: 18.0

LIBERAL ARTS AND SCIENCES: LANGUAGE ARTS AND HUMANITIES- GERMAN - ASSOCIATE OF ARTS DEGREE: MESA

Summary

The Language Arts and Humanities–German is intended to help students prepare for possible majors within a language arts and German language-related major. Common university majors in this field include: Foreign Language (all) and German language. This degree is designed to accommodate the differing requirements of a wide variety of transfer institutions and major options. Because admission and major preparation requirements vary at each transfer institution, courses used to complete this major must be selected with the assistance of a San Diego Mesa College counselor.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Liberal Arts and Sciences: Language Arts and Humanities-German Program will be able to:

1. Understand one's role in society, take responsibility for one's own actions, make ethical decisions in complex situations, and participate actively in a diverse democracy.
2. Articulate the critical thinking outcomes in writing and/or speaking or by other modes of communication.
3. Analyze problems, conceptualize theses, develop arguments, weigh evidence, and derive conclusions.
4. Analyze one's own actions, to see the perspectives of other persons, and to work effectively with others in groups.
5. Articulate similarities and contrasts among cultures, times and environments, describe and explain cultural pluralism and knowledge of global issues.
6. Explain the applications of technology and to use technology in ways appropriate to the situation. This outcome includes information competency skills.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 15.0

GERM 101	First Course in German	5.0
GERM 102	Second Course in German	5.0
GERM 201	Third Course in German	5.0

Select a minimum of 3 units:

Units: 3.0

CHIN 101	First Course in Mandarin Chinese	5.0
JAPN 101	First Course in Japanese	5.0
SPAN 101	First Course in Spanish	5.0
FREN 101	First Course in French	5.0
ITAL 101	First Course in Italian	5.0
RUSS 101	First Course in Russian	5.0
VIET 101	First Course in Vietnamese	5.0
CHIN 102	Second Course in Mandarin Chinese	5.0
JAPN 102	Second Course in Japanese	5.0
SPAN 102	Second Course in Spanish	5.0
FREN 102	Second Course in French	5.0
ITAL 102	Second Course in Italian	5.0
RUSS 102	Second Course in Russian	5.0
VIET 102	Second Course in Vietnamese	5.0
CHIN 201	Third Course in Mandarin Chinese	5.0
JAPN 201	Third Course in Japanese	5.0
SPAN 201	Third Course in Spanish	5.0
FREN 201	Third Course in French	5.0
ITAL 201	Third Course in Italian	5.0
RUSS 201	Third Course in Russian	5.0
VIET 201	Third Course in Vietnamese	5.0

ENGL 202	Introduction to Linguistics	3.0
ENGL 215	English Literature I: 800-1799	3.0
ENGL 216	English Literature II: 1800 - Present	3.0
CHIC 135	Chicana/o Literature	3.0
CHIC 138	Literature of La Raza in Latin America in Translation	3.0
HIST 120	Introduction to Asian Civilizations	3.0
HIST 121	Asian Civilizations in Modern Times	3.0
COMS 135	Interpersonal Communication	3.0
COMS 170	Small Group Communication	3.0
JOUR 202	Introduction to Mass Communication	3.0

Total: 18.0

LIBERAL ARTS AND SCIENCES: LANGUAGE ARTS AND HUMANITIES-ITALIAN - ASSOCIATE OF ARTS DEGREE: MESA

Summary

The Language Arts and Humanities–Italian is intended to help students prepare for possible majors within a language arts and Italian language-related major. Common university majors in this field include: Foreign Language (all) and Italian language. This degree is designed to accommodate the differing requirements of a wide variety of transfer institutions and major options. Because admission and major preparation requirements vary at each transfer institution, courses used to complete this major must be selected with the assistance of a San Diego Mesa College counselor.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Liberal Arts and Sciences: Language Arts and Humanities-Italian Program will be able to:

1. Analyze problems, conceptualize theses, develop arguments, weigh evidence, and derive conclusions.
2. Articulate the critical thinking outcomes in writing and/or speaking or by other modes of communication.
3. Analyze one's own actions, to see the perspectives of other persons, and to work effectively with others in groups.
4. Understand one's role in society, take responsibility for one's own actions, make ethical decisions in complex situations, and participate actively in a diverse democracy.
5. Articulate similarities and contrasts among cultures, times and environments, describe and explain cultural pluralism and knowledge of global issues.
6. Explain the applications of technology and to use technology in ways appropriate to the situation. This outcome includes information competency skills.

Requirements

COURSES REQUIRED FOR THE MAJOR: **Units: 15.0**

ITAL 101	First Course in Italian	5.0
ITAL 102	Second Course in Italian	5.0
ITAL 201	Third Course in Italian	5.0

Select a minimum of 3 units **Units: 3.0**

CHIN 101	First Course in Mandarin Chinese	5.0
JAPN 101	First Course in Japanese	5.0
FREN 101	First Course in French	5.0
GERM 101	First Course in German	5.0

SPAN 101	First Course in Spanish	5.0
RUSS 101	First Course in Russian	5.0
VIET 101	First Course in Vietnamese	5.0
CHIN 102	Second Course in Mandarin Chinese	5.0
JAPN 102	Second Course in Japanese	5.0
FREN 102	Second Course in French	5.0
GERM 102	Second Course in German	5.0
SPAN 102	Second Course in Spanish	5.0
RUSS 102	Second Course in Russian	5.0
VIET 102	Second Course in Vietnamese	5.0
CHIN 201	Third Course in Mandarin Chinese	5.0
JAPN 201	Third Course in Japanese	5.0
FREN 201	Third Course in French	5.0
GERM 201	Third Course in German	5.0
SPAN 201	Third Course in Spanish	5.0
RUSS 201	Third Course in Russian	5.0
VIET 201	Third Course in Vietnamese	5.0
ENGL 202	Introduction to Linguistics	3.0
ENGL 215	English Literature I: 800-1799	3.0
ENGL 216	English Literature II: 1800 - Present	3.0
CHIC 135	Chicana/o Literature	3.0
CHIC 138	Literature of La Raza in Latin America in Translation	3.0
HIST 120	Introduction to Asian Civilizations	3.0
HIST 121	Asian Civilizations in Modern Times	3.0
COMS 135	Interpersonal Communication	3.0
COMS 170	Small Group Communication	3.0
JOUR 202	Introduction to Mass Communication	3.0

Total: 18.0

LIBERAL ARTS AND SCIENCES: LANGUAGE ARTS AND HUMANITIES-JAPANESE - ASSOCIATE OF ARTS DEGREE: MESA

Summary

The Language Arts and Humanities–Japanese is intended to help students prepare for possible majors within a language arts and Japanese language-related major. Common university majors in this field include: Foreign Language (all) and Japanese language. This degree is designed to accommodate the differing requirements of a wide variety of transfer institutions and major options. Because admission and major preparation requirements vary at each transfer institution, courses used to complete this major must be selected with the assistance of a San Diego Mesa College counselor.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Liberal Arts and Sciences: Language Arts and Humanities-Japanese Program will be able to:

1. Analyze problems, conceptualize theses, develop arguments, weigh evidence, and derive conclusions.
2. Articulate the critical thinking outcomes in writing and/or speaking or by other modes of communication.
3. Analyze one's own actions, to see the perspectives of other persons, and to work effectively with others in groups.
4. Understand one's role in society, take responsibility for one's own actions, make ethical decisions in complex situations, and participate actively in a diverse democracy.

5. Articulate similarities and contrasts among cultures, times and environments, describe and explain cultural pluralism and knowledge of global issues.
6. Explain the applications of technology and to use technology in ways appropriate to the situation. This outcome includes information competency skills.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 15.0

JAPN 101	First Course in Japanese	5.0
JAPN 102	Second Course in Japanese	5.0
JAPN 201	Third Course in Japanese	5.0

Select a minimum of 3 units:

Units: 3.0

JAPN 202	Fourth Course in Japanese	5.0
JAPN 210	Conversation and Composition in Japanese I	3.0
JAPN 211	Conversation and Composition in Japanese II	3.0
CHIN 101	First Course in Mandarin Chinese	5.0
ITAL 101	First Course in Italian	5.0
FREN 101	First Course in French	5.0
GERM 101	First Course in German	5.0
SPAN 101	First Course in Spanish	5.0
RUSS 101	First Course in Russian	5.0
VIET 101	First Course in Vietnamese	5.0
CHIN 102	Second Course in Mandarin Chinese	5.0
ITAL 102	Second Course in Italian	5.0
FREN 102	Second Course in French	5.0
GERM 102	Second Course in German	5.0
SPAN 102	Second Course in Spanish	5.0
RUSS 102	Second Course in Russian	5.0
VIET 102	Second Course in Vietnamese	5.0
CHIN 201	Third Course in Mandarin Chinese	5.0
ITAL 201	Third Course in Italian	5.0
FREN 201	Third Course in French	5.0
GERM 201	Third Course in German	5.0
SPAN 201	Third Course in Spanish	5.0
RUSS 201	Third Course in Russian	5.0
VIET 201	Third Course in Vietnamese	5.0
ENGL 202	Introduction to Linguistics	3.0
ENGL 215	English Literature I: 800-1799	3.0
ENGL 216	English Literature II: 1800 - Present	3.0
CHIC 135	Chicana/o Literature	3.0
CHIC 138	Literature of La Raza in Latin America in Translation	3.0
HIST 120	Introduction to Asian Civilizations	3.0
HIST 121	Asian Civilizations in Modern Times	3.0
COMS 135	Interpersonal Communication	3.0
COMS 170	Small Group Communication	3.0
JOUR 202	Introduction to Mass Communication	3.0

Total: 18.0

LIBERAL ARTS AND SCIENCES: LANGUAGE ARTS AND HUMANITIES- RUSSIAN - ASSOCIATE OF ARTS DEGREE: MESA

Summary

The Language Arts and Humanities–Russian is intended to help students prepare for possible majors within a language arts and Russian language-related major. Common university majors in this field include: Foreign Language (all) and Russian language. This degree is designed to accommodate the differing requirements of a wide variety of transfer institutions and major options. Because admission and major preparation requirements vary at each transfer institution, courses used to complete this major must be selected with the assistance of a San Diego Mesa College counselor.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Liberal Arts and Sciences: Language Arts and Humanities-Russian Program will be able to:

1. Analyze problems, conceptualize theses, develop arguments, weigh evidence, and derive conclusions.
2. Articulate the critical thinking outcomes in writing and/or speaking or by other modes of communication.
3. Analyze one's own actions, to see the perspectives of other persons, and to work effectively with others in groups.
4. Understand one's role in society, take responsibility for one's own actions, make ethical decisions in complex situations, and participate actively in a diverse democracy.
5. Articulate similarities and contrasts among cultures, times and environments, describe and explain cultural pluralism and knowledge of global issues.
6. Explain the applications of technology and to use technology in ways appropriate to the situation. This outcome includes information competency skills.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 15.0

RUSS 101	First Course in Russian	5.0
RUSS 102	Second Course in Russian	5.0
RUSS 201	Third Course in Russian	5.0

Select a minimum of 3 units:

Units: 3.0

CHIN 101	First Course in Mandarin Chinese	5.0
JAPN 101	First Course in Japanese	5.0
FREN 101	First Course in French	5.0
GERM 101	First Course in German	5.0
ITAL 101	First Course in Italian	5.0
SPAN 101	First Course in Spanish	5.0
VIET 101	First Course in Vietnamese	5.0
CHIN 102	Second Course in Mandarin Chinese	5.0
JAPN 102	Second Course in Japanese	5.0
FREN 102	Second Course in French	5.0
GERM 102	Second Course in German	5.0
ITAL 102	Second Course in Italian	5.0
SPAN 102	Second Course in Spanish	5.0
VIET 102	Second Course in Vietnamese	5.0
CHIN 201	Third Course in Mandarin Chinese	5.0
JAPN 201	Third Course in Japanese	5.0
FREN 201	Third Course in French	5.0
GERM 201	Third Course in German	5.0
ITAL 201	Third Course in Italian	5.0
SPAN 201	Third Course in Spanish	5.0
VIET 201	Third Course in Vietnamese	5.0

ENGL 202	Introduction to Linguistics	3.0
ENGL 215	English Literature I: 800-1799	3.0
ENGL 216	English Literature II: 1800 - Present	3.0
CHIC 135	Chicana/o Literature	3.0
CHIC 138	Literature of La Raza in Latin America in Translation	3.0
HIST 120	Introduction to Asian Civilizations	3.0
HIST 121	Asian Civilizations in Modern Times	3.0
COMS 135	Interpersonal Communication	3.0
COMS 170	Small Group Communication	3.0
JOUR 202	Introduction to Mass Communication	3.0

Total: 18.0

LIBERAL ARTS AND SCIENCES: LANGUAGE ARTS AND HUMANITIES- SPANISH - ASSOCIATE OF ARTS DEGREE: MESA

Summary

The Language Arts and Humanities–Spanish is intended to help students prepare for possible majors within a language arts and Spanish language-related major. Common university majors in this field include: Foreign Language (all) and Spanish language. This degree is designed to accommodate the differing requirements of a wide variety of transfer institutions and major options. Because admission and major preparation requirements vary at each transfer institution, courses used to complete this major must be selected with the assistance of a San Diego Mesa College counselor.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Liberal Arts and Sciences: Language Arts and Humanities-Spanish Program will be able to:

1. Analyze problems, conceptualize theses, develop arguments, weigh evidence, and derive conclusions.
2. Articulate the critical thinking outcomes in writing and/or speaking or by other modes of communication.
3. Analyze one's own actions, to see the perspectives of other persons, and to work effectively with others in groups.
4. Understand one's role in society, take responsibility for one's own actions, make ethical decisions in complex situations, and participate actively in a diverse democracy.
5. Articulate similarities and contrasts among cultures, times and environments, describe and explain cultural pluralism and knowledge of global issues.
6. Explain the applications of technology and to use technology in ways appropriate to the situation. This outcome includes information competency skills.

Requirements

COURSES REQUIRED FOR THE MAJOR:		Units: 15.0
SPAN 101	First Course in Spanish	5.0
SPAN 102	Second Course in Spanish	5.0
		5.0
SPAN 201	Third Course in Spanish	5.0
OR		
SPAN 215	Spanish for Spanish Speakers I	5.0

Select a minimum of 3 units: **Units: 3.0**

SPAN 202	Fourth Course in Spanish	5.0
SPAN 210	Conversation and Composition Spanish I	3.0
SPAN 211	Conversation and Composition Spanish II	3.0
SPAN 216	Spanish for Spanish Speakers II	5.0
CHIN 101	First Course in Mandarin Chinese	5.0
JAPN 101	First Course in Japanese	5.0
FREN 101	First Course in French	5.0
GERM 101	First Course in German	5.0
ITAL 101	First Course in Italian	5.0
RUSS 101	First Course in Russian	5.0
VIET 101	First Course in Vietnamese	5.0
CHIN 102	Second Course in Mandarin Chinese	5.0
JAPN 102	Second Course in Japanese	5.0
FREN 102	Second Course in French	5.0
GERM 102	Second Course in German	5.0
ITAL 102	Second Course in Italian	5.0
RUSS 102	Second Course in Russian	5.0
VIET 102	Second Course in Vietnamese	5.0
CHIN 201	Third Course in Mandarin Chinese	5.0
JAPN 201	Third Course in Japanese	5.0
FREN 201	Third Course in French	5.0
GERM 201	Third Course in German	5.0
ITAL 201	Third Course in Italian	5.0
RUSS 201	Third Course in Russian	5.0
VIET 201	Third Course in Vietnamese	5.0
ENGL 202	Introduction to Linguistics	3.0
ENGL 215	English Literature I: 800-1799	3.0
ENGL 216	English Literature II: 1800 - Present	3.0
CHIC 135	Chicana/o Literature	3.0
CHIC 138	Literature of La Raza in Latin America in Translation	3.0
HIST 120	Introduction to Asian Civilizations	3.0
HIST 121	Asian Civilizations in Modern Times	3.0
COMS 135	Interpersonal Communication	3.0
COMS 170	Small Group Communication	3.0
JOUR 202	Introduction to Mass Communication	3.0

Total: 18.0

LIBERAL ARTS AND SCIENCES: LANGUAGE ARTS AND HUMANITIES- VIETNAMESE - ASSOCIATE OF ARTS DEGREE: MESA

Summary

The Language Arts and Humanities–Vietnamese is intended to help students prepare for possible majors within a language arts and Vietnamese language-related major. Common university majors in this field include: Foreign Language (all) and Vietnamese language. This degree is designed to accommodate the differing requirements of a wide variety of transfer institutions and major options. Because admission and major preparation requirements vary at each transfer institution, courses used to complete this major must be selected with the assistance of a San Diego Mesa College counselor.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Liberal Arts and Sciences: Language Arts and Humanities-Vietnamese Program will be able to:

1. Analyze problems, conceptualize theses, develop arguments, weigh evidence, and derive conclusions.
2. Articulate the critical thinking outcomes in writing and/or speaking or by other modes of communication.
3. Analyze one's own actions, to see the perspectives of other persons, and to work effectively with others in groups.
4. Understand one's role in society, take responsibility for one's own actions, make ethical decisions in complex situations, and participate actively in a diverse democracy.
5. Articulate similarities and contrasts among cultures, times and environments, describe and explain cultural pluralism and knowledge of global issues.
6. Explain the applications of technology and to use technology in ways appropriate to the situation. This outcome includes information competency skills.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 15.0

VIET 101	First Course in Vietnamese	5.0
VIET 102	Second Course in Vietnamese	5.0
VIET 201	Third Course in Vietnamese	5.0

Select a minimum of 3 units:

Units: 3.0

CHIN 101	First Course in Mandarin Chinese	5.0
JAPN 101	First Course in Japanese	5.0
FREN 101	First Course in French	5.0
GERM 101	First Course in German	5.0
ITAL 101	First Course in Italian	5.0
SPAN 101	First Course in Spanish	5.0
RUSS 101	First Course in Russian	5.0
CHIN 102	Second Course in Mandarin Chinese	5.0
JAPN 102	Second Course in Japanese	5.0
FREN 102	Second Course in French	5.0
GERM 102	Second Course in German	5.0
ITAL 102	Second Course in Italian	5.0
SPAN 102	Second Course in Spanish	5.0
RUSS 102	Second Course in Russian	5.0
CHIN 201	Third Course in Mandarin Chinese	5.0
JAPN 201	Third Course in Japanese	5.0
FREN 201	Third Course in French	5.0
GERM 201	Third Course in German	5.0
ITAL 201	Third Course in Italian	5.0
SPAN 201	Third Course in Spanish	5.0
RUSS 201	Third Course in Russian	5.0
ENGL 202	Introduction to Linguistics	3.0
ENGL 215	English Literature I: 800-1799	3.0
ENGL 216	English Literature II: 1800 - Present	3.0
CHIC 135	Chicana/o Literature	3.0
CHIC 138	Literature of La Raza in Latin America in Translation	3.0
HIST 120	Introduction to Asian Civilizations	3.0
HIST 121	Asian Civilizations in Modern Times	3.0
COMS 135	Interpersonal Communication	3.0
COMS 170	Small Group Communication	3.0
JOUR 202	Introduction to Mass Communication	3.0

LIBERAL ARTS AND SCIENCES: MATHEMATICS AND PRE-ENGINEERING-COMPUTER SCIENCE - ASSOCIATE OF ARTS DEGREE: MESA

Summary

The Mathematics and Pre-Engineering–Computer Science is intended to help students prepare for possible majors within a computer science related major. Common university majors in this field include: Computer Engineering, Computer Science, and Computer Science with Bioinformatics. This degree is designed to accommodate the differing requirements of a wide variety of transfer institutions and major options. Because admission and major preparation requirements vary at each transfer institution, courses used to complete this major must be selected with the assistance of a San Diego Mesa College counselor.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Liberal Arts and Sciences: Mathematics and Pre-Engineering-Computer Science Program will be able to:

1. Apply their knowledge of math and science to analyze, conceptualize, identify, formulate, and solve problems.
2. Use technological software to design and implement projects.
3. Communicate effectively and perform on multidisciplinary teams and groups.
4. Increase their global awareness by using techniques, skills, and modern global scientific tools.

Requirements

COURSES REQUIRED FOR THE MAJOR:		Units: 13.0
MATH 150	Calculus with Analytic Geometry I	5.0
MATH 151	Calculus with Analytic Geometry II	4.0
MATH 252	Calculus with Analytic Geometry III	4.0

Select a minimum of 5 units:		Units: 5.0
CHEM 200	General Chemistry I - Lecture	3.0
CHEM 200L	General Chemistry I - Laboratory	2.0
CHEM 201	General Chemistry II - Lecture	3.0
CHEM 201L	General Chemistry II - Laboratory	2.0
BIOL 210A	Introduction to the Biological Sciences I	4.0
BIOL 210B	Introduction to the Biological Sciences II	4.0
PHYS 195	Mechanics	5.0
PHYS 196	Electricity and Magnetism	5.0
PHYS 197	Waves, Optics and Modern Physics	5.0
STAT C1000	Introduction to Statistics	3.0
MATH 254	Introduction to Linear Algebra	3.0
MATH 255	Differential Equations	3.0
MATH 245	Discrete Mathematics	3.0
CISC 190	Java Programming	4.0
CISC 192	C/C++ Programming	4.0

Total: 18.0

LIBERAL ARTS AND SCIENCES: MATHEMATICS AND PRE-ENGINEERING-ENGINEERING - ASSOCIATE OF ARTS DEGREE: MESA

Summary

The Mathematics and Pre-Engineering–Engineering is intended to help students prepare for possible majors within an Engineering related major. Common university engineering majors in this field include: Aerospace Engineering, Bioengineering, Civil Engineering, Computer Engineering, Construction Engineering, Electrical Engineering, Engineering, Engineering Physics, Engineering Technology, Environmental Engineering, Industrial Engineering and Technology, Manufacturing Engineering, Materials Science, Mechanical Engineering, Nuclear Engineering, and Structural Engineering. This degree is designed to accommodate the differing requirements of a wide variety of transfer institutions and major options. Because admission and major preparation requirements vary at each transfer institution, courses used to complete this major must be selected with the assistance of a San Diego Mesa College counselor.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Liberal Arts and Sciences: Mathematics and Pre-Engineering-Engineering Program will be able to:

1. Increase their global awareness by using techniques, skills, and modern global scientific tools.
2. Apply their knowledge of math and science to analyze, conceptualize, identify, formulate, and solve problems.
3. Use technological software to design and implement projects.
4. Communicate effectively and perform on multidisciplinary teams and groups.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 15.0

MATH 150	Calculus with Analytic Geometry I	5.0
PHYS 195	Mechanics	5.0
CHEM 200	General Chemistry I - Lecture	3.0
CHEM 200L	General Chemistry I - Laboratory	2.0

Select a minimum of 3 units:

Units: 3.0

CHEM 201	General Chemistry II - Lecture	3.0
CHEM 201L	General Chemistry II - Laboratory	2.0
ENGE 116	Computational Methods in Engineering	3.0
ENGE 200	Statics	3.0
ENGE 210	Properties of Materials	3.0
ENGE 250	Dynamics	3.0
ENGE 260	Electric Circuits	3.0
MATH 151	Calculus with Analytic Geometry II	4.0
MATH 252	Calculus with Analytic Geometry III	4.0
MATH 245	Discrete Mathematics	3.0
MATH 254	Introduction to Linear Algebra	3.0
MATH 255	Differential Equations	3.0
PHYS 196	Electricity and Magnetism	5.0
PHYS 197	Waves, Optics and Modern Physics	5.0
CISC 190	Java Programming	4.0
CISC 192	C/C++ Programming	4.0

Total: 18.0

LIBERAL ARTS AND SCIENCES: MATHEMATICS AND PRE-ENGINEERING-MATHEMATICS - ASSOCIATE OF ARTS DEGREE: MESA

Summary

The Mathematics and Pre-Engineering–Mathematics is intended to help students prepare for possible majors within a mathematics related major. Common university majors in this field include: Applied Mathematics, Mathematics, Mathematics and Economics, Scientific Computation, and Statistics. This degree is designed to accommodate the differing requirements of a wide variety of transfer institutions and major options. Because admission and major preparation requirements vary at each transfer institution, courses used to complete this major must be selected with the assistance of a San Diego Mesa College counselor.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Liberal Arts and Sciences: Mathematics and Pre-Engineering-Mathematics Program will be able to:

1. Apply their knowledge of math and science to analyze, conceptualize, identify, formulate, and solve problems.
2. Use technological software to design and implement projects.
3. Communicate effectively and perform on multidisciplinary teams and groups.
4. Increase their global awareness by using techniques, skills, and modern global scientific tools.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 13.0

MATH 150	Calculus with Analytic Geometry I	5.0
MATH 151	Calculus with Analytic Geometry II	4.0
MATH 252	Calculus with Analytic Geometry III	4.0

Select a minimum of 5 units:

Units: 5.0

STAT C1000	Introduction to Statistics	3.0
MATH 254	Introduction to Linear Algebra	3.0
MATH 255	Differential Equations	3.0
MATH 245	Discrete Mathematics	3.0
CISC 190	Java Programming	4.0
CISC 192	C/C++ Programming	4.0

Total: 18.0

LIBERAL ARTS AND SCIENCES: SCIENCE STUDIES-BIOLOGICAL SCIENCE - ASSOCIATE OF ARTS DEGREE: MESA

Summary

The Science Studies–Biological Science is intended to help students prepare for possible majors within a biological science-related major. Common university majors in this field include: Biochemistry, Bioinformatics, Biological Sciences, Biotechnology, Cell Biology, Chemistry, Cognitive Science, Developmental Biology, Physics, Physiological Science, and Psychobiology. This degree is designed to accommodate the differing requirements of a wide variety of transfer institutions and major options. Because admission and major preparation requirements vary at each transfer institution, courses used to complete this major must be selected with the assistance of a San Diego Mesa College counselor.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Liberal Arts and Sciences: Science Studies-Biological Science Program will be able to:

1. Think critically by analyzing problems, weighing evidence, and drawing conclusions. The student will utilize both inductive and deductive reasoning in these efforts.

2. Articulate critical thinking outcomes in writing.
3. Assess the value of technology in the endeavor to understand the natural world. In laboratory settings, the student will employ technology in the gathering of evidence about the natural world and in the analysis of that evidence.
4. Demonstrate understanding of the impact of science on the environment and on society.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 8.0

BIOL 210A	Introduction to the Biological Sciences I	4.0
BIOL 210B	Introduction to the Biological Sciences II	4.0

Select a minimum of 10 units:

Units: 10.0

CHEM 200	General Chemistry I - Lecture	3.0
CHEM 200L	General Chemistry I - Laboratory	2.0
CHEM 201	General Chemistry II - Lecture	3.0
CHEM 201L	General Chemistry II - Laboratory	2.0
CHEM 231	Organic Chemistry I - Lecture	3.0
CHEM 231L	Organic Chemistry I - Laboratory	2.0
CHEM 233	Organic Chemistry II - Lecture	3.0
CHEM 233L	Organic Chemistry II - Laboratory	2.0
CHEM 251	Quantitative Analytical Chemistry	5.0
CISC 186	Visual Basic Programming	4.0
CISC 190	Java Programming	4.0
CISC 192	C/C++ Programming	4.0
MATH 121	Basic Techniques of Applied Calculus I	3.0
MATH 122	Basic Techniques of Calculus II	3.0
MATH 150	Calculus with Analytic Geometry I	5.0
MATH 151	Calculus with Analytic Geometry II	4.0
STAT C1000	Introduction to Statistics	3.0
BIOL 200	Biological Statistics	3.0
PHYS 125	General Physics	5.0
PHYS 126	General Physics II	5.0
PHYS 195	Mechanics	5.0
PHYS 196	Electricity and Magnetism	5.0
PHYS 197	Waves, Optics and Modern Physics	5.0
CISC 189A	Introduction to Programming I	4.0
CISC 189B	Introduction to Programming II	4.0

Total: 18.0

LIBERAL ARTS AND SCIENCES: SCIENCE STUDIES-CHEMISTRY - ASSOCIATE OF ARTS DEGREE: MESA

Summary

The Science Studies–Chemistry is intended to help students prepare for possible majors within a chemistry-related major. Common university majors in this field include: Chemistry, Chemical Engineering, and Chemical Physics. This degree is designed to accommodate the differing requirements of a wide variety of transfer institutions and major options. Because admission and major preparation requirements vary at each transfer institution, courses used to complete this major must be selected with the assistance of a San Diego Mesa College counselor.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Liberal Arts and Sciences: Science Studies-Chemistry Program will be able to:

1. Think critically by analyzing problems, weighing evidence, and drawing conclusions. The student will utilize both inductive and deductive reasoning in these efforts.
2. Articulate critical thinking outcomes in writing.
3. Assess the value of technology in the endeavor to understand the natural world. In laboratory settings, the student will employ technology in the gathering of evidence about the natural world and in the analysis of that evidence.
4. Demonstrate understanding of the impact of science on the environment and on society.

Requirements

COURSES REQUIRED FOR THE MAJOR:		Units: 10.0
CHEM 200	General Chemistry I - Lecture	3.0
CHEM 200L	General Chemistry I - Laboratory	2.0
CHEM 201	General Chemistry II - Lecture	3.0
CHEM 201L	General Chemistry II - Laboratory	2.0
Select a minimum of 8 units:		Units: 8.0
CHEM 231	Organic Chemistry I - Lecture	3.0
CHEM 231L	Organic Chemistry I - Laboratory	2.0
CHEM 233	Organic Chemistry II - Lecture	3.0
CHEM 233L	Organic Chemistry II - Laboratory	2.0
CHEM 251	Quantitative Analytical Chemistry	5.0
PHYS 195	Mechanics	5.0
PHYS 196	Electricity and Magnetism	5.0
PHYS 197	Waves, Optics and Modern Physics	5.0
MATH 150	Calculus with Analytic Geometry I	5.0
MATH 151	Calculus with Analytic Geometry II	4.0
STAT C1000	Introduction to Statistics	3.0
MATH 245	Discrete Mathematics	3.0
MATH 252	Calculus with Analytic Geometry III	4.0
MATH 254	Introduction to Linear Algebra	3.0
MATH 255	Differential Equations	3.0
CISC 186	Visual Basic Programming	4.0
CISC 190	Java Programming	4.0
CISC 192	C/C++ Programming	4.0
CISC 189A	Introduction to Programming I	4.0
CISC 189B	Introduction to Programming II	4.0

Total: 18.0

LIBERAL ARTS AND SCIENCES: SCIENCE STUDIES-PHYSICS - ASSOCIATE OF ARTS DEGREE: MESA

Summary

The Science Studies-Physics is intended to help students prepare for possible majors within a physics-related major. Common university majors in this field include: Physics, Chemical Physics, and Physiological Science. This degree is designed to accommodate the differing requirements of a wide variety of transfer institutions and major

options. Because admission and major preparation requirements vary at each transfer institution, courses used to complete this major must be selected with the assistance of a San Diego Mesa College counselor.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Liberal Arts and Sciences: Science Studies-Physics Program will be able to:

1. Think critically by analyzing problems, weighing evidence, and drawing conclusions. The student will utilize both inductive and deductive reasoning in these efforts.
2. Articulate critical thinking outcomes in writing.
3. Assess the value of technology in the endeavor to understand the natural world. In laboratory settings, the student will employ technology in the gathering of evidence about the natural world and in the analysis of that evidence.
4. Demonstrate understanding of the impact of science on the environment and on society.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 15.0

PHYS 195	Mechanics	5.0
PHYS 196	Electricity and Magnetism	5.0
PHYS 197	Waves, Optics and Modern Physics	5.0

Select a minimum of 3 units:

Units: 3.0

MATH 150	Calculus with Analytic Geometry I	5.0
MATH 151	Calculus with Analytic Geometry II	4.0
MATH 252	Calculus with Analytic Geometry III	4.0
CHEM 200	General Chemistry I - Lecture	3.0
CHEM 200L	General Chemistry I - Laboratory	2.0

Total: 18.0

LIBERAL ARTS AND SCIENCES: SCIENCE STUDIES-PRE-NURSING - ASSOCIATE OF ARTS DEGREE: MESA

Summary

The Science Studies–Pre-Nursing is intended to help students prepare for possible majors within a nursing-related major. Common university majors in this field include: Nursing. This degree is designed to accommodate the differing requirements of a wide variety of transfer institutions and major options. Because admission and major preparation requirements vary at each transfer institution, courses used to complete this major must be selected with the assistance of a San Diego Mesa College counselor.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Liberal Arts and Sciences: Science Studies-Pre-Nursing Program will be able to:

1. Think critically by analyzing problems, weighing evidence, and drawing conclusions. The student will utilize both inductive and deductive reasoning in these efforts.
2. Articulate critical thinking outcomes in writing.
3. Assess the value of technology in the endeavor to understand the natural world. In laboratory settings, the student will employ technology in the gathering of evidence about the natural world and in the analysis of that evidence.
4. Demonstrate understanding of the impact of science on the environment and on society.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 17.0

BIOL 107	General Biology-Lecture and Laboratory	4.0
CHEM 100	Fundamentals of Chemistry	3.0
CHEM 100L	Fundamentals of Chemistry Laboratory	1.0
BIOL 230	Human Anatomy	4.0
BIOL 205	General Microbiology	5.0

Select a minimum of 3 units:

Units: 3.0

BIOL 235	Human Physiology	4.0
CHEM 130	Introduction to Organic and Biological Chemistry	3.0
CHEM 130L	Introduction to Organic and Biological Chemistry Laboratory	1.0
COMM C1000	Introduction to Public Speaking	3.0
PSYC C1000	Introduction to Psychology	3.0
SOCO 101	Principles of Sociology	3.0

Total: 20.0

LIBERAL ARTS AND SCIENCES: SOCIAL AND BEHAVIORAL SCIENCES- ANTHROPOLOGY - ASSOCIATE OF ARTS DEGREE: MESA

Summary

The Social and Behavioral Sciences–Anthropology is intended to help students prepare for possible majors within a social/ behavioral science anthropology-related major. Common university majors in this field include: Anthropology. This degree is designed to accommodate the differing requirements of a wide variety of transfer institutions and major options. Because admission and major preparation requirements vary at each transfer institution, courses used to complete this major must be selected with the assistance of a San Diego Mesa College counselor.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Liberal Arts and Sciences: Social and Behavioral Sciences-Anthropology Program will be able to:

1. Develop critical thinking skills in writing including the ability to frame questions, collect and weigh evidence, develop hypotheses, and derive conclusions.
2. Develop critical thinking skills in other modes of communication (spoken and unspoken) including the ability to frame questions, collect and weigh evidence, develop hypotheses and derive conclusions.
3. Compare and contrast the different research methods and/or critical assessments methods within the Social and Behavioral Sciences.
4. Develop an awareness of civic responsibilities and knowledge of global issues.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 6.0

ANTH 102	Introduction to Biological Anthropology	3.0
ANTH 103	Introduction to Cultural Anthropology	3.0

Select a minimum of 12 units:

Units: 12.0

BIOL 210A	Introduction to the Biological Sciences I	4.0
BIOL 210B	Introduction to the Biological Sciences II	4.0

CBTE 140	Beginning Microsoft Excel	2.0
CBTE 151	Microsoft Access: Basic	1.0
LIBS 101	Information Literacy and Research Skills	1.0
		3.0
STAT C1000	Introduction to Statistics	3.0
OR		
PSYC 258	Behavioral Science Statistics	3.0
WEBD 152	Beginning Web Development: HyperText Markup Language (HTML) and Cascading Style Sheets (CSS)	3.0

or any Foreign Language course, including AMSL.

Total: 18.0

LIBERAL ARTS AND SCIENCES: SOCIAL AND BEHAVIORAL SCIENCES-CHILD DEVELOPMENT - ASSOCIATE OF ARTS DEGREE: MESA

Summary

The Social and Behavioral Science – Child Development degree is intended to help students prepare for possible majors within a social/ behavioral science-related major. Common university majors in this field include: Anthropology, Child Development, Human Development, and Social Science. This degree is designed to accommodate the differing requirements of a wide variety of transfer institutions and major options. Because admission and major preparation requirements vary at each transfer institution, courses used to complete this major must be selected with the assistance of a San Diego Mesa College counselor.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Liberal Arts and Sciences: Social and Behavioral Sciences-Child Development Program will be able to:

1. Develop critical thinking skills in writing including the ability to frame questions, collect and weigh evidence, develop hypotheses, and derive conclusions.
2. Develop critical thinking skills in other modes of communication (spoken and unspoken) including the ability to frame questions, collect and weigh evidence, develop hypotheses and derive conclusions.
3. Compare and contrast the different research methods and/or critical assessments methods within the Social and Behavioral Sciences.
4. Develop an awareness of civic responsibilities and knowledge of global issues.

Requirements

COURSES REQUIRED FOR THE MAJOR:		Units: 12.0
CHIL 101	Human Growth and Development	3.0
CHIL 141	The Child, Family, and Community	3.0
PSYC C1000	Introduction to Psychology	3.0
SOCO 101	Principles of Sociology	3.0
SELECT A MINIMUM OF 6 UNITS:		Units: 6.0
CHIL 100	Principles and Practices of Early Childhood Education	3.0
CHIL 120	Observation and Assessment in Early Childhood Programs	3.0
CHIL 130	Introduction to Curriculum	3.0
CHIL 150	Teaching in a Diverse Society	3.0

CHIL 291A	Child Development Center Practicum	1.0
CHIL 291B	Child Development Center Practicum	1.0
CHIL 291C	Child Development Center Practicum	1.0
CHIL 291D	Child Development Center Practicum	1.0
BIOL 107	General Biology-Lecture and Laboratory	4.0
		3.0
STAT C1000	Introduction to Statistics	3.0
OR		
PSYC 258	Behavioral Science Statistics	3.0

Total: 18.0

LIBERAL ARTS AND SCIENCES: SOCIAL AND BEHAVIORAL SCIENCES-HISTORY - ASSOCIATE OF ARTS DEGREE: MESA

Summary

The Social and Behavioral Sciences–History is intended to help students prepare for possible majors within a history-related major. Common university majors in this field include: History, and Social Science. This degree is designed to accommodate the differing requirements of a wide variety of transfer institutions and major options. Because admission and major preparation requirements vary at each transfer institution, courses used to complete this major must be selected with the assistance of a San Diego Mesa College counselor.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Liberal Arts and Sciences: Social and Behavioral Sciences-History Program will be able to:

1. Develop critical thinking skills in writing including the ability to frame questions, collect and weigh evidence, develop hypotheses, and derive conclusions.
2. Develop critical thinking skills in other modes of communication (spoken and unspoken) including the ability to frame questions, collect and weigh evidence, develop hypotheses and derive conclusions.
3. Compare and contrast the different research methods and/or critical assessments methods within the Social and Behavioral Sciences.
4. Develop an awareness of civic responsibilities and knowledge of global issues.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 6.0

Core: 6 Units Sequence from		
		6.0
		6.0
HIST 100	World History I	3.0
AND		
HIST 101	World History II	3.0
OR		
		6.0
HIST 105	Introduction to Western Civilization I	3.0
AND		
HIST 106	Introduction to Western Civilization II	3.0
OR		
		6.0

HIST 109	History of the United States I	3.0
AND		
HIST 110	History of the United States History II	3.0
OR		
		6.0
HIST 115A	History of the Americas I	3.0
AND		
HIST 115B	History of the Americas II	3.0
OR		
		6.0
HIST 120	Introduction to Asian Civilizations	3.0
AND		
HIST 121	Asian Civilizations in Modern Times	3.0
OR		
		6.0
HIST 131	Latin America Before Independence	3.0
AND		
HIST 132	Latin America Since Independence	3.0
OR		
		6.0
HIST 141	Women in United States History I	3.0
AND		
HIST 142	Women in United States History II	3.0
OR		
		6.0
HIST 150	Native Americans in United States History I	3.0
AND		
HIST 151	Native Americans in United States History II	3.0

Select a minimum of 12 units from the following or any courses not selected in Courses for the Major:

Units: 12.0

BLAS 140A	African American History to Reconstruction	3.0
BLAS 140B	African American History since Reconstruction to the Present	3.0
CHIC 141A	United States History from a Chicano Perspective	3.0
CHIC 141B	United States History from a Chicano Perspective	3.0
HIST 123	U.S. History from the Asian Pacific American Perspective	3.0
HIST 130	The Modern Middle East	3.0
HIST 154	Ancient Egypt	3.0
HIST 175	California History	3.0
HIST 205	Methodology and Practice in History	3.0

Total: 18.0

LIBERAL ARTS AND SCIENCES: SOCIAL AND BEHAVIORAL SCIENCES- HUMAN DEVELOPMENT - ASSOCIATE OF ARTS DEGREE: MESA

Summary

The Social and Behavioral Sciences–Human Development is intended to help students prepare for possible majors within a human development-related major. Common university majors in this field include: Child Development, Human Development, and Social Science. This degree is designed to accommodate the differing requirements of

a wide variety of transfer institutions and major options. Because admission and major preparation requirements vary at each transfer institution, courses used to complete this major must be selected with the assistance of a San Diego Mesa College counselor.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Liberal Arts and Sciences: Social and Behavioral Sciences-Human Development Program will be able to:

1. Develop critical thinking skills in writing including the ability to frame questions, collect and weigh evidence, develop hypotheses, and derive conclusions.
2. Develop critical thinking skills in other modes of communication (spoken and unspoken) including the ability to frame questions, collect and weigh evidence, develop hypotheses and derive conclusions.
3. Compare and contrast the different research methods and/or critical assessments methods within the Social and Behavioral Sciences.
4. Develop an awareness of civic responsibilities and knowledge of global issues.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 0.0

Core: (14-15) units Select 7-8 units from the following:

BIOL 107	General Biology-Lecture and Laboratory	4.0
BIOL 210A	Introduction to the Biological Sciences I	4.0
BIOL 210B	Introduction to the Biological Sciences II	4.0
PSYC 260	Introduction to Physiological Psychology	3.0
		4.0
CISC 182	Fluency with Information Technology	4.0
OR		
CISC 190	Java Programming	4.0
OR		
CISC 192	C/C++ Programming	4.0
		3.0
STAT C1000	Introduction to Statistics	3.0
OR		
PSYC 258	Behavioral Science Statistics	3.0

Select a minimum of 3-4 units to complete 18 units from:

Units: 18.0

MATH 121	Basic Techniques of Applied Calculus I	3.0
MATH 122	Basic Techniques of Calculus II	3.0
MATH 150	Calculus with Analytic Geometry I	5.0
MATH 151	Calculus with Analytic Geometry II	4.0
MATH 252	Calculus with Analytic Geometry III	4.0
PHIL 101	Symbolic Logic	3.0
ANTH 103	Introduction to Cultural Anthropology	3.0
BLAS 140B	African American History since Reconstruction to the Present	3.0
CHIC 110B	Introduction to Chicana and Chicano Studies	3.0
CHIC 141B	United States History from a Chicano Perspective	3.0
HIST 123	U.S. History from the Asian Pacific American Perspective	3.0
SOCO 101	Principles of Sociology	3.0

Total: 18.0

LIBERAL ARTS AND SCIENCES: SOCIAL AND BEHAVIORAL SCIENCES- POLITICAL SCIENCE - ASSOCIATE OF ARTS DEGREE: MESA

Summary

The Social and Behavioral Sciences–Political Science is intended to help students prepare for possible majors within a political science-related major. Common university majors in this field include: Political Science and Social Science. This degree is designed to accommodate the differing requirements of a wide variety of transfer institutions and major options. Because admission and major preparation requirements vary at each transfer institution, courses used to complete this major must be selected with the assistance of a San Diego Mesa College counselor.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Liberal Arts and Sciences: Social and Behavioral Sciences-Political Science Program will be able to:

1. Develop critical thinking skills in writing including the ability to frame questions, collect and weigh evidence, develop hypotheses, and derive conclusions.
2. Develop critical thinking skills in other modes of communication (spoken and unspoken) including the ability to frame questions, collect and weigh evidence, develop hypotheses and derive conclusions.
3. Compare and contrast the different research methods and/or critical assessments methods within the Social and Behavioral Sciences.
4. Develop an awareness of civic responsibilities and knowledge of global issues.

Requirements

COURSES REQUIRED FOR THE MAJOR:		Units: 6.0
POLS C1000	American Government and Politics	3.0
POLI 103	Comparative Politics	3.0
Select a minimum of 12 units:		Units: 12.0
POLI 101	Introduction to Political Science	3.0
POLI 140	Contemporary International Politics	3.0
		3.0
STAT C1000	Introduction to Statistics	3.0
OR		
PSYC 258	Behavioral Science Statistics	3.0

or any Foreign Language course, including AMSL.

Total: 18.0

LIBERAL ARTS AND SCIENCES: SOCIAL AND BEHAVIORAL SCIENCES- SOCIAL SCIENCES - ASSOCIATE OF ARTS DEGREE: MESA

Summary

The Social and Behavioral Sciences–Social Sciences is intended to help students prepare for possible majors within a social/ behavioral science-related major. Common university majors in this field include: Anthropology, Economics, Political Science, Psychology, Social Science, Sociology, and Urban Studies and Planning. This degree is designed to accommodate the differing requirements of a wide variety of transfer institutions and major options.

Because admission and major preparation requirements vary at each transfer institution, courses used to complete this major must be selected with the assistance of a San Diego Mesa College counselor.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Liberal Arts and Sciences: Social and Behavioral Sciences-Social Sciences Program will be able to:

1. Develop critical thinking skills in writing including the ability to frame questions, collect and weigh evidence, develop hypotheses, and derive conclusions.
2. Develop critical thinking skills in other modes of communication (spoken and unspoken) including the ability to frame questions, collect and weigh evidence, develop hypotheses and derive conclusions.
3. Compare and contrast the different research methods and/or critical assessments methods within the Social and Behavioral Sciences.
4. Develop an awareness of civic responsibilities and knowledge of global issues.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 3.0

		3.0
BIOL 200	Biological Statistics	3.0
OR		
STAT C1000	Introduction to Statistics	3.0
OR		
PSYC 258	Behavioral Science Statistics	3.0

Select a minimum of 15 units:

Units: 15.0

ANTH 102	Introduction to Biological Anthropology	3.0
ANTH 103	Introduction to Cultural Anthropology	3.0
CHIC 141A	United States History from a Chicano Perspective	3.0
CHIC 141B	United States History from a Chicano Perspective	3.0
ECON 120	Principles of Macroeconomics	3.0
ECON 121	Principles of Microeconomics	3.0
GEOG 101	Physical Geography	3.0
GEOG 102	Cultural Geography	3.0
HIST 105	Introduction to Western Civilization I	3.0
HIST 106	Introduction to Western Civilization II	3.0
HIST 109	History of the United States I	3.0
HIST 110	History of the United States History II	3.0
HIST 115A	History of the Americas I	3.0
HIST 115B	History of the Americas II	3.0
POLI 101	Introduction to Political Science	3.0
POLS C1000	American Government and Politics	3.0
POLI 103	Comparative Politics	3.0
SOCO 101	Principles of Sociology	3.0
SOCO 110	Contemporary Social Problems	3.0

Total: 18.0

**LIBERAL ARTS AND SCIENCES: SOCIAL AND BEHAVIORAL SCIENCES-
WOMEN'S STUDIES - ASSOCIATE OF ARTS DEGREE: MESA**

Summary

The Social and Behavioral Sciences - Women's Studies degree is an interdisciplinary exploration of the past, present, and future through the perspectives and experiences of women in the United States and around the world. The courses in the degree explore how women's lives have been and continue to be impacted by cultural, political, and economic hegemonies, and examine the actions taken by women as they have sought to make an impact in their society. The Women's Studies curriculum examines the divergent experiences of women through the lens of race, ethnicity, class, nationality, religion, and sexual orientation through a historical and modern perspective.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Liberal Arts and Sciences: Social and Behavioral Sciences-Women's Studies Program will be able to:

1. Compare and contrast the different research methods and/or critical assessments methods within the Social and Behavioral Sciences.
2. Develop critical thinking skills in writing including the ability to frame questions, collect and weigh evidence, develop hypotheses, and derive conclusions.
3. Develop an awareness of civic responsibilities and knowledge of global issues.
4. Develop critical thinking skills in other modes of communication (spoken and unspoken) including the ability to frame questions, collect and weigh evidence, develop hypotheses and derive conclusions.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 12.0

PSYC 133	Psychology of Women	3.0
PHIL 125	Philosophy of Women	3.0
WMNS 101	Introduction to Gender and Women's Studies	3.0
		3.0
HIST 141	Women in United States History I	3.0
OR		
HIST 142	Women in United States History II	3.0

Select a minimum of 6 units:

Units: 6.0

ANTH 117	Anthropology of Gender and Sexuality	3.0
ARTF 108	Women in Art	3.0
ARTF 188	Women and Gender in Photography	3.0
BLAS 150	Black Women in Literature, Film and the Media	3.0
BLAS 175	Psycho-History of Racism and Sexism	3.0
CHIC 170	La Chicana	3.0
ENGL 237	Women in Literature	3.0
HIST 141	Women in United States History I	3.0
HIST 142	Women in United States History II	3.0
HUMA 210	Women in Religion and Myth	3.0
PHIL 126	Philosophy of Contemporary Gender Issues	3.0
POLI 123	Gender and Politics	3.0
SOCO 125	Sociology of the Family	3.0

¹If not selected in the Courses for Major

Total: 18.0

LIBERAL STUDIES: ELEMENTARY EDUCATION PREPARATION - ASSOCIATE OF ARTS DEGREE: MESA

Summary

The Liberal Studies degree is an interdisciplinary program designed for students interested in a career in elementary education. Required courses in the degree serve to prepare students for transfer to public and private baccalaureate degree-offering colleges and universities. The curriculum includes courses selected from Language and Rationality, Natural Sciences, Humanities, and Social and Behavioral Science.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Liberal Studies: Elementary Education Preparation Program will be able to:

1. Demonstrate global awareness and cultural sensitivity.
2. Demonstrate interpersonal skills in a diverse setting.
3. Demonstrate effective communication in teaching and learning environments.
4. Demonstrate technological awareness.

Requirements

COURSES REQUIRED FOR THE MAJOR: **Units: 28.0**

COMM C1000	Introduction to Public Speaking	3.0
EDUC 200	Teaching as a Profession	2.0
EDUC 203	Field Experience for Prospective Teachers	1.0
EXSC 240	Physical Education in the Elementary Schools	3.0
GEOG 104	World Regional Geography	3.0
GEOL 104	Earth Science	3.0
MATH 210A	Concepts of Elementary School Mathematics I	3.0
MATH 210B	Concepts of Elementary School Mathematics II	3.0
MATH 212	Children's Mathematical Thinking	1.0
MUSI 110	Music for Elementary School Teachers	3.0
PHYN 105	Physical Science for Elementary Education	3.0

Select 3 units (one course) from the following: **Units: 3.0**

ENGL C1001	Critical Thinking and Writing	3.0
PHIL 100	Logic and Critical Thinking	3.0
PHIL 103	Historical Introduction To Philosophy	3.0
PHIL 205	Critical Thinking and Writing in Philosophy	3.0
COMS 160	Argumentation and Critical Thinking	3.0

¹Highly recommended for CSU transfer.

Select 3 units (one course) from the following: **Units: 3.0**

BLAS 140A	African American History to Reconstruction	3.0
CHIC 141A	United States History from a Chicano Perspective	3.0
HIST 109	History of the United States I	3.0

Select 3 units (one course) from the following: **Units: 3.0**

BLAS 140B	African American History since Reconstruction to the Present	3.0
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CHIC 141B	United States History from a Chicano Perspective	3.0
HIST 110	History of the United States History II	3.0
POLS C1000	American Government and Politics	3.0

Select 3-6 units (one to two courses) from the following:

Units: 3.0-6.0

		3.0-6.0
CHIL 101	Human Growth and Development	3.0
OR		
		6.0
PSYC C1000	Introduction to Psychology	3.0
AND		
PSYC 230	Psychology of Lifespan Development	3.0

Total: 40.0-43.0

MARKETING - ASSOCIATE OF SCIENCE DEGREE: MESA

Summary

Designed for the student interested in marketing as a career and tailored to develop competency in merchandising, retailing, and wholesaling, in both large and small businesses. Students are encouraged to work part-time while attending college. Successful completion should lead to a full-time position or serve as a foundation for further education. Students planning to transfer to a four-year college or university should select the Business Administration major.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Marketing Program will be able to:

1. Apply marketing concepts in analyzing marketing problems/issues, including problems/issues relating to marketing strategies, messages, and interactions among channel members and between companies and culturally, ethnically, and linguistically diverse consumers.
2. Develop and present solutions to marketing problems that operationalize the tenets of ethical marketing practice.
3. Communicate effectively in the context of marketing, expressing ideas verbally, visually, and in writing, using traditional, digital, and developing media.
4. Demonstrate understanding of what constitutes professional behavior in the context of marketing, as well as understanding of and respect for the importance of socially responsible, ethical marketing practices.
5. Use traditional, digital, and developing technologies to gather the information needed to address marketing problems and issues, analyze that information, and communicate marketing messages in verbal, visual, and written form.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 36.0

MARK 100	Principles of Marketing	3.0
ACCT 116A	Financial Accounting	4.0
ACCT 116B	Managerial Accounting	4.0
BUSE 100	Introduction to Business	3.0
BUSE 101	Business Mathematics	3.0
BUSE 119	Business Communications	3.0
BUSE 140	Business Law and the Legal Environment	3.0

BUSE 150	Human Relations in Business	3.0
CISC 181	Principles of Information Systems	4.0
ECON 120	Principles of Macroeconomics	3.0
COMS 135	Interpersonal Communication	3.0

¹BUSE 100 is recommended as a first semester course.

Select 6 units from the following:

Units: 6.0

BUSE 127	Social Media for Business	3.0
MARK 105	Professional Selling	3.0
MARK 110	Principles of Retailing	3.0
MARK 130	Advertising Principles	3.0

Total: 42.0

MARKETING - CERTIFICATE OF ACHIEVEMENT: MESA

Summary

Designed for the student interested in marketing as a career and tailored to develop competency in merchandising, retailing, and wholesaling, in both large and small businesses. Students are encouraged to work part-time while attending college. Successful completion should lead to a full-time position or serve as a foundation for further education. Students planning to transfer to a four-year college or university should select the Business Administration major.

Learning Outcome(s): Students who complete the Marketing Program will be able to:

1. Apply marketing concepts in analyzing marketing problems/issues, including problems/issues relating to marketing strategies, messages, and interactions among channel members and between companies and culturally, ethnically, and linguistically diverse consumers.
2. Develop and present solutions to marketing problems that operationalize the tenets of ethical marketing practice.
3. Communicate effectively in the context of marketing, expressing ideas verbally, visually, and in writing, using traditional, digital, and developing media.
4. Demonstrate understanding of what constitutes professional behavior in the context of marketing, as well as understanding of and respect for the importance of socially responsible, ethical marketing practices.
5. Use traditional, digital, and developing technologies to gather the information needed to address marketing problems and issues, analyze that information, and communicate marketing messages in verbal, visual, and written form.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 23.0

MARK 100	Principles of Marketing	3.0
ACCT 116A	Financial Accounting	4.0
BUSE 100	Introduction to Business	3.0
BUSE 101	Business Mathematics	3.0
BUSE 119	Business Communications	3.0
BUSE 140	Business Law and the Legal Environment	3.0
CISC 181	Principles of Information Systems	4.0

¹BUSE 100 is recommended as a first semester course.

Select 6 units from the following:

Units: 6.0

BUSE 127	Social Media for Business	3.0
MARK 105	Professional Selling	3.0
MARK 110	Principles of Retailing	3.0
MARK 130	Advertising Principles	3.0

Total: 29.0

MATHEMATICS - ASSOCIATE IN SCIENCE FOR TRANSFER DEGREE: MESA

Summary

The Associate in Science in Mathematics for Transfer is intended for students who plan to complete a bachelor's degree in mathematics or a related major in the California State University (CSU) system. It is accepted by some but not all CSU campuses. Students who complete this degree and transfer to a participating CSU campus will be required to complete no more than 60 units after transfer to earn a bachelor's degree. It may not be appropriate preparation for students transferring to a CSU campus that does not accept the degree. Students who plan to complete this degree should consult a counselor for additional information about participating CSU campuses as well as university admission, degree, and transfer requirements.

NOTE: Students intending to transfer into this major at a CSU should consult with a counselor and visit www.assist.org for guidance on appropriate transfer coursework.

Award Notes:

The following is required for all AA-T or AS-T degrees:

- Completion of 60 semester units that are eligible for transfer to the California State University
- Completion of a minimum of 18 semester units in an "AA-T" or "AS-T" major.
- Minimum grade point average (GPA) of at least 2.0 in all CSU-transferable coursework. While a minimum of 2.0 is required for admission, some CSU campuses and majors may require a higher GPA. Please see a counselor for more information.
- Minimum grade of "C" or "P" or better for each course in the major. Students should review the Pass/No Pass acceptance policy of the transfer institution prior to requesting this grade option.
- Certified completion of the California General Education Transfer Curriculum (Cal-GETC) pattern.

Learning Outcome(s): Students who complete the Mathematics Program will be able to:

1. Apply appropriate mathematical definitions, properties, techniques, and/or technology to a variety of problem solving situations.
2. Demonstrate knowledge of the interrelatedness of several mathematical concepts.
3. Demonstrate the ability to communicate mathematical reasoning both in the context of solving a problem and in the reasonableness of a solution.

Requirements

COURSES REQUIRED FOR THE MAJOR: **Units: 13.0**

MATH 150	Calculus with Analytic Geometry I	5.0
MATH 151	Calculus with Analytic Geometry II	4.0
MATH 252	Calculus with Analytic Geometry III	4.0

Category A: Select one course from the following (3 units): **Units: 3.0**

MATH 254	Introduction to Linear Algebra	3.0
MATH 255	Differential Equations	3.0

Category B: Select one course from the following or any course not selected in Category A (3 units): **Units: 3.0-5.0**

CISC 186	Visual Basic Programming	4.0
CISC 187	Data Structures in C++	4.0
CISC 190	Java Programming	4.0
CISC 192	C/C++ Programming	4.0
PHYS 195	Mechanics	5.0
PHYS 196	Electricity and Magnetism	5.0
PHYS 197	Waves, Optics and Modern Physics	5.0
		3.0-4.0
STAT C1000	Introduction to Statistics	3.0
OR		
		4.0
PSYC 258	Behavioral Science Statistics	3.0
AND		
PSYC 259	Behavioral Science Statistics Laboratory	1.0

Total: 19.0-21.0

MATHEMATICS - ASSOCIATE OF ARTS DEGREE: MESA

Summary

Successful completion of this curriculum will develop competence in mathematics through differential and integral calculus, providing an adequate background for employment in many technological and scientific areas as well as providing a firm foundation for students planning advanced study.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Mathematics Program will be able to:

1. Apply appropriate mathematical definitions, properties, techniques and/or technology to a variety of problem-solving situations.
2. Demonstrate knowledge of the interrelatedness of several mathematical concepts.
3. Demonstrate the ability to communicate mathematical reasoning, both in the context of solving a problem and in the reasonableness of a solution.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 19.0

MATH 150	Calculus with Analytic Geometry I	5.0
MATH 151	Calculus with Analytic Geometry II	4.0
MATH 245	Discrete Mathematics	3.0
MATH 252	Calculus with Analytic Geometry III	4.0
MATH 254	Introduction to Linear Algebra	3.0

Select three units from:

Units: 3.0

		3.0
STAT C1000	Introduction to Statistics	3.0
OR		
MATH 255	Differential Equations	3.0
OR		
PHIL 101	Symbolic Logic	3.0

MEAT AND SEAFOOD PROCESSING - CERTIFICATE OF ACHIEVEMENT: MESA

Summary

Students perform fundamental, intermediate, and advanced meat and seafood processing skills. This certificate is an advanced certificate with emphasis on developing butcher, fishery, and meat ageing skills. The courses focus on the academic and practical skills required to butcher, preserve and process whole animal carcass, primal, and subprimal cuts as well as whole fish fabrication and processing in any professional culinary setting.

Award Note:

This program is not eligible for federal financial aid in accordance with Federal regulations.

Learning Outcome(s): Students who complete the Meat and Seafood Processing Program will be able to:

1. Demonstrate academic and practical knowledge of food flavorings and seasoning of common national and international cuisines.
2. Proficiently use all basic culinary equipment including large equipment to hand tools.
3. Demonstrate all knowledge necessary to produce food in a safe and sanitary fashion for public consumption.
4. Explain the relationship between purchasing, receiving, storage, production and cost of goods sold.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 12.0

CACM 102	Sanitation	2.0
CACM 132A	Meat, Seafood & Poultry	1.0
CACM 132B	Seafood Identification & Processing	1.5
CACM 132C	Meat Identification & Processing	1.5
CACM 206A	Garde Manger I	2.0
CACM 218	Seafood Fabrication - Whole Fish Lab	1.0
CACM 220	Meat Butchery - Whole Animal Lab	1.5
CACM 222	Preservation of Meat Lab	1.5

Total: 12.0

MEDICAL ASSISTING - ASSOCIATE OF SCIENCE DEGREE: MESA

Summary

The Medical Assisting program offers a two semester Certificate of Achievement in Medical Assisting. All students who successfully complete the Medical Assisting program will be awarded a Certificate of Achievement. Graduates are eligible to sit for several national and state certification and registration exams. Students who have been awarded a Certificate of Achievement in Medical Assisting may continue and complete the additional courses needed for the Associate Degree in Medical Assisting.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Medical Assisting Program will be able to:

1. Perform safe and effective technical skills relative to the medical assisting "scope of practice".
2. Demonstrate professional behaviors and attributes necessary to be a medical assistant.
3. Demonstrate an understanding of ethical behavior relative to the medical assistant code of ethics.
4. Communicate effectively, both verbally and in writing as appropriate for an entry level medical assistant.

Directed Clinical Practice Requirement

Students accepted into this program will be required to successfully complete Directed Clinical Practice/ clinically-based courses held in health care facilities. These facilities may require background checks, including fingerprinting and urine drug screens, as a condition of placement at the clinic. Refusal to submit to a background check, or failure to meet clearance criteria established by the health care facility, may prevent placement in the Directed Clinical Practice/clinically-based course and thus, it may not be possible to successfully complete the program. Health care facilities also require adherence to strict standards of conduct. Facilities may refuse educational access to any person who does not adhere to the facility's standards of safety, health and ethical behavior. This may be cause for removal from the program.

Admission Criteria

Eligibility for enrollment in this program is determined by a special admission procedure. Interested persons should review program information on the [website](#).

A grade of "C" or better must be maintained in all courses to continue in the program. Course repetition in this program is not permitted. The program is governed by the Allied Health Department Policies.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 29.0-30.0

		3.0-4.0
MEDA 55	Fundamentals Human Anatomy and Physiology	3.0
OR		
BIOL 160	Elements of Human Anatomy and Physiology	4.0
MEDA 56	Administrative Medical Assisting I	1.5
MEDA 64	Medical Ethics and Legal Issues for the Allied Health Professional	1.0
MEDA 68	Human Behavior for Allied Health Students	3.0
MEDA 76	Principles of Infection Control and Sterile Technique	1.5
MEDA 78	Principles of Patient Care	2.0
MEDA 82	Diagnostic Testing	1.0
MEDA 84	Phlebotomy for Medical Assisting	2.0
MEDA 86	Administrative Medical Assisting II	2.0
MEDA 88	Electrocardiogram Application	0.5
MEDA 92	Minor Surgery	0.5
MEDA 94	Medication Administration	0.5
MEDA 97	Directed Clinical Practice	4.5
MEDA 110	Medical Terminology	3.0
MEDA 115	Pathophysiology	3.0

Total: 29.0-30.0

MEDICAL ASSISTING - CERTIFICATE OF ACHIEVEMENT: MESA

Summary

The Medical Assisting program offers a two semester Certificate of Achievement in Medical Assisting. All students who successfully complete the Medical Assisting program will be awarded a Certificate of Achievement. Graduates are eligible to sit for several national and state certification and registration exams. Students who have been awarded a Certificate of Achievement in Medical Assisting may continue and complete the additional courses needed for the Associate Degree in Medical Assisting.

Learning Outcome(s): Students who complete the Medical Assisting Program will be able to:

1. Perform safe and effective technical skills relative to the medical assisting "scope of practice".
2. Demonstrate professional behaviors and attributes necessary to be a medical assistant.
3. Demonstrate an understanding of ethical behavior relative to the medical assistant code of ethics.

4. Communicate effectively, both verbally and in writing as appropriate for an entry level medical assistant.

Directed Clinical Practice Requirement

Students accepted into this program will be required to successfully complete Directed Clinical Practice/ clinically-based courses held in health care facilities. These facilities may require background checks, including fingerprinting and urine drug screens, as a condition of placement at the clinic. Refusal to submit to a background check, or failure to meet clearance criteria established by the health care facility, may prevent placement in the Directed Clinical Practice/clinically-based course and thus, it may not be possible to successfully complete the program. Health care facilities also require adherence to strict standards of conduct. Facilities may refuse educational access to any person who does not adhere to the facility's standards of safety, health and ethical behavior. This may be cause for removal from the program.

Admission Criteria

Eligibility for enrollment in this program is determined by a special admission procedure. Interested persons should review program information on the [website](#).

A grade of "C" or better must be maintained in all courses to continue in the program. Course repetition in this program is not permitted. The program is governed by the Allied Health Department Policies.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 29.0-30.0

		3.0-4.0
MEDA 55	Fundamentals Human Anatomy and Physiology	3.0
OR		
BIOL 160	Elements of Human Anatomy and Physiology	4.0
MEDA 56	Administrative Medical Assisting I	1.5
MEDA 64	Medical Ethics and Legal Issues for the Allied Health Professional	1.0
MEDA 68	Human Behavior for Allied Health Students	3.0
MEDA 76	Principles of Infection Control and Sterile Technique	1.5
MEDA 78	Principles of Patient Care	2.0
MEDA 82	Diagnostic Testing	1.0
MEDA 84	Phlebotomy for Medical Assisting	2.0
MEDA 86	Administrative Medical Assisting II	2.0
MEDA 88	Electrocardiogram Application	0.5
MEDA 92	Minor Surgery	0.5
MEDA 94	Medication Administration	0.5
MEDA 97	Directed Clinical Practice	4.5
MEDA 110	Medical Terminology	3.0
MEDA 115	Pathophysiology	3.0

Total: 29.0-30.0

MUSEUM STUDIES - CERTIFICATE OF PERFORMANCE: MESA

Summary

The Certificate of Performance in Museum Studies certifies that a student has completed all our museum studies courses, including an off-campus internship at a gallery or museum.

Award Notes:

A Certificate of Performance is a departmental award that does not appear on the student's transcript. All courses

must be completed within the San Diego Community College District.
This program is not eligible for federal financial aid in accordance with Federal regulations.

Learning Outcome(s): Students who complete the Museum Studies Program will be able to:

1. Develop an awareness of cultural diversity (and its use/effect on art-making).
2. Develop the ability to expand the vision of the role of art in the greater culture.
3. Develop the ability to engage visual art as defined in a progression of change.
4. Develop the ability to affect critical thinking in visual terms.
5. Develop the ability to employ art concepts and terminology effectively
6. Develop the ability to understand the creative process of art-making
7. Develop the ability to understand materials, methods and techniques both historical and contemporary and the contexts in which they are employed.
8. Be assessed through a combination of performance evaluations, written assignments, and written tests and quizzes.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 10.0

ARTF 161A	Museum Studies/Gallery Exhibition Skills I	3.0
ARTF 161B	Museum Studies/Gallery Exhibition Skills II	3.0
ARTF 163	Art Museum/Gallery Internship	4.0

Total: 10.0

MUSIC - ASSOCIATE IN ARTS FOR TRANSFER DEGREE: MESA

Summary

The Associate in Arts in Music for Transfer is intended for students who plan to complete a bachelor's degree in Music or a related major in the California State University (CSU) system. It is accepted by some but not all CSU campuses. Students who complete this degree and transfer to a participating CSU campus will be required to complete no more than 60 units after transfer to earn a bachelor's degree. It may not be appropriate preparation for students transferring to a CSU campus that does not accept the degree.

NOTE: Students intending to transfer into this major at a CSU should consult with a counselor and visit www.assist.org for guidance on appropriate transfer coursework.

Award Notes:

The following is required for all AA-T or AS-T degrees:

- Completion of 60 semester units that are eligible for transfer to the California State University
- Completion of a minimum of 18 semester units in an "AA-T" or "AS-T" major.
- Minimum grade point average (GPA) of at least 2.0 in all CSU-transferable coursework. While a minimum of 2.0 is required for admission, some CSU campuses and majors may require a higher GPA. Please see a counselor for more information.
- Minimum grade of "C" or "P" or better for each course in the major. Students should review the Pass/No Pass acceptance policy of the transfer institution prior to requesting this grade option.
- Certified completion of the California General Education Transfer Curriculum (Cal-GETC) pattern.

Learning Outcome(s): Students who complete the Music Program will be able to:

1. Demonstrate critical thinking through musical performances, reading music notation, using music technology, and communicating musical concepts using correct terminology.
2. Demonstrate aural recognition, aesthetic understanding, and cultural awareness through recognizing elements of music that are the product of and responses to cultural values, traditions, and norms.
3. Demonstrate aural recognition, aesthetic understanding, and cultural awareness through recognizing, comparing, and discussing distinguishing elements of music and music literature.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 16.0

MUSI 148A	Music Theory I	3.0
MUSI 148B	Music Theory II	3.0
MUSI 248A	Music Theory III	3.0
MUSI 268A	Ear Training I	1.0
MUSI 268B	Ear Training II	1.0
MUSI 269A	Ear Training III	1.0
MUSI 274A	Applied Music I	1.0
MUSI 274B	Applied Music II	1.0
MUSI 274C	Applied Music III	1.0
MUSI 274D	Applied Music IV	1.0

Ensembles: Select 4 units from the following:

Units: 4.0

MUSI 257A	Guitar Ensemble I	1.0
MUSI 257B	Guitar Ensemble II	1.0
MUSI 257C	Guitar Ensemble III	1.0
MUSI 257D	Guitar Ensemble IV	1.0
MUSI 259A	Choir I	1.0
MUSI 259B	Choir II	1.0
MUSI 259C	Choir III	1.0
MUSI 259D	Choir IV	1.0
MUSI 261A	World Music Ensemble I	1.0
MUSI 261B	World Music Ensemble II	1.0
MUSI 261C	World Music Ensemble III	1.0
MUSI 261D	World Music Ensemble IV	1.0
MUSI 262A	Jazz Big Band I	1.0-0.0
MUSI 262B	Jazz Big Band II	1.0
MUSI 262C	Jazz Big Band III	1.0
MUSI 262D	Jazz Big Band IV	1.0
MUSI 264A	Jazz Ensemble I	1.0-0.0
MUSI 264B	Jazz Ensemble II	1.0-0.0
MUSI 264C	Jazz Ensemble III	1.0-0.0
MUSI 264D	Jazz Ensemble IV	1.0-0.0

CATEGORY A: Select 3-4 units from the following:

Units: 3.0-4.0

MUSI 100	Introduction to Music	3.0
MUSI 190	Introduction to Music Technology	3.0
MUSI 124A	Piano Class I	1.0
MUSI 124B	Piano Class II	1.0
MUSI 224A	Piano Class III	1.0

Total: 23.0-24.0

MUSIC COMPOSITION - CERTIFICATE OF ACHIEVEMENT: MESA

Summary

The Certificate of Achievement in Music Composition certifies that the student has completed the core course work in Music Composition and has demonstrated an operational understanding of music composition skills.

Learning Outcome(s): Students who complete the Music Composition Program will be able to:

1. Demonstrate critical thinking through musical performances, reading music notation, using music technology, and communicating musical concepts using correct terminology.
2. Demonstrate aural recognition, aesthetic understanding, and cultural awareness through recognizing elements of music that are the product of and responses to cultural values, traditions, and norms.
3. Demonstrate aural recognition, aesthetic understanding, and cultural awareness through recognizing, comparing, and discussing distinguishing elements of music and music literature.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 23.0

MUSI 123A	Recital Hour I	0.5
MUSI 123B	Recital Hour II	0.5
MUSI 124A	Piano Class I	1.0
MUSI 124B	Piano Class II	1.0
MUSI 148A	Music Theory I	3.0
MUSI 148B	Music Theory II	3.0
MUSI 206A	Projects in Composition I	3.0
MUSI 206B	Projects in Composition II	3.0
MUSI 206C	Projects in Composition III	3.0
MUSI 206D	Projects in Composition IV	3.0
MUSI 268A	Ear Training I	1.0
MUSI 268B	Ear Training II	1.0

Total: 23.0

MUSIC PERFORMANCE - ASSOCIATE OF ARTS DEGREE: MESA

Summary

The Associate of Arts degree in Music Performance has been designed to the sequenced fundamental skills for most musical pursuits for a transfer to a 4 year degree with a major in Music Performance (in Classical or Jazz). STUDENTS PLANNING TO TRANSFER to a baccalaureate program are strongly urged to contact the four-year institution of their choice to verify required coursework.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Music Performance Program will be able to:

1. Demonstrate critical thinking through musical performances, reading music notation, using music technology, and communicating musical concepts using correct terminology
2. Demonstrate aural recognition, aesthetic understanding, and cultural awareness through recognizing elements of music that are the product of and responses to cultural values, traditions, and norms.
3. Demonstrate aural recognition, aesthetic understanding, and cultural awareness through recognizing, comparing, and discussing distinguishing elements of music and music literature.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 20.0

MUSI 100	Introduction to Music	3.0
MUSI 124A	Piano Class I	1.0
MUSI 124B	Piano Class II	1.0
MUSI 224A	Piano Class III	1.0
MUSI 123A	Recital Hour I	0.5
MUSI 123B	Recital Hour II	0.5

MUSI 123C	Recital Hour III	0.5
MUSI 123D	Recital Hour IV	0.5
MUSI 148A	Music Theory I	3.0
MUSI 148B	Music Theory II	3.0
MUSI 248A	Music Theory III	3.0
MUSI 268A	Ear Training I	1.0
MUSI 268B	Ear Training II	1.0
MUSI 269A	Ear Training III	1.0

Applied Music - Select four units (by audition) from the following:

Units: 4.0

MUSI 174A	Individualized Study I	1.0
MUSI 174B	Individualized Study II	1.0
MUSI 174C	Individualized Study III	1.0
MUSI 174D	Individualized Study IV	1.0
MUSI 274A	Applied Music I	1.0
MUSI 274B	Applied Music II	1.0
MUSI 274C	Applied Music III	1.0
MUSI 274D	Applied Music IV	1.0

Ensembles - Select four units from the following:

Units: 4.0

MUSI 257A	Guitar Ensemble I	1.0
MUSI 257B	Guitar Ensemble II	1.0
MUSI 257C	Guitar Ensemble III	1.0
MUSI 257D	Guitar Ensemble IV	1.0
MUSI 259A	Choir I	1.0
MUSI 259B	Choir II	1.0
MUSI 259C	Choir III	1.0
MUSI 259D	Choir IV	1.0
MUSI 261A	World Music Ensemble I	1.0
MUSI 261B	World Music Ensemble II	1.0
MUSI 261C	World Music Ensemble III	1.0
MUSI 261D	World Music Ensemble IV	1.0
MUSI 262A	Jazz Big Band I	1.0-0.0
MUSI 262B	Jazz Big Band II	1.0
MUSI 262C	Jazz Big Band III	1.0
MUSI 262D	Jazz Big Band IV	1.0
MUSI 264A	Jazz Ensemble I	1.0-0.0
MUSI 264B	Jazz Ensemble II	1.0-0.0
MUSI 264C	Jazz Ensemble III	1.0-0.0
MUSI 264D	Jazz Ensemble IV	1.0-0.0

Total: 28.0

MUSIC STUDIES - ASSOCIATE OF ARTS DEGREE: MESA

Summary

The Associate of Arts in Music Studies provides students with the basic skills for musical pursuits suitable to meet goals and needs in music not concentrated on performance.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Music Studies Program will be able to:

1. Demonstrate critical thinking through musical performances, reading music notation, using music technology, and communicating musical concepts using correct terminology.
2. Demonstrate aural recognition, aesthetic understanding, and cultural awareness through recognizing elements of music that are the product of and responses to cultural values, traditions, and norms.
3. Demonstrate aural recognition, aesthetic understanding, and cultural awareness through recognizing, comparing, and discussing distinguishing elements of music and music literature.

Requirements**COURSES REQUIRED FOR THE MAJOR:****Units: 17.0**

MUSI 100	Introduction to Music	3.0
MUSI 123A	Recital Hour I	0.5
MUSI 123B	Recital Hour II	0.5
MUSI 124A	Piano Class I	1.0
MUSI 124B	Piano Class II	1.0
MUSI 148A	Music Theory I	3.0
MUSI 148B	Music Theory II	3.0
MUSI 150A	Basic Musicianship	3.0
MUSI 268A	Ear Training I	1.0
MUSI 268B	Ear Training II	1.0

Select 4 units from the following:**Units: 4.0**

MUSI 257A	Guitar Ensemble I	1.0
MUSI 257B	Guitar Ensemble II	1.0
MUSI 257C	Guitar Ensemble III	1.0
MUSI 257D	Guitar Ensemble IV	1.0
MUSI 259A	Choir I	1.0
MUSI 259B	Choir II	1.0
MUSI 259C	Choir III	1.0
MUSI 259D	Choir IV	1.0
MUSI 261A	World Music Ensemble I	1.0
MUSI 261B	World Music Ensemble II	1.0
MUSI 261C	World Music Ensemble III	1.0
MUSI 261D	World Music Ensemble IV	1.0
MUSI 262A	Jazz Big Band I	1.0-0.0
MUSI 262B	Jazz Big Band II	1.0
MUSI 262C	Jazz Big Band III	1.0
MUSI 262D	Jazz Big Band IV	1.0
MUSI 264A	Jazz Ensemble I	1.0-0.0
MUSI 264B	Jazz Ensemble II	1.0-0.0
MUSI 264C	Jazz Ensemble III	1.0-0.0
MUSI 264D	Jazz Ensemble IV	1.0-0.0

Select 15 units from the following:**Units: 15.0**

MUSI 103	History of Rock Music	3.0
MUSI 108	The Business of Music	3.0
MUSI 109	World Music	3.0
MUSI 110	Music for Elementary School Teachers	3.0
MUSI 111	Jazz History	3.0
MUSI 114	Music of The Beatles	3.0

MUSI 117	Music in the United States	3.0
MUSI 118	Asian & Pacific Music	3.0
MUSI 119	Music in Latin America & North America	3.0
MUSI 125	Music, the Arts, and Society	3.0
MUSI 126	Rap Music and Hip Hop Culture	3.0
MUSI 131	Music of California	3.0
MUSI 134A	Voice Class I	1.0
MUSI 134B	Voice Class II	1.0
MUSI 134C	Voice Class III	1.0
MUSI 134D	Voice Class IV	1.0
MUSI 136A	Guitar Class I	1.0
MUSI 136B	Guitar Class II	1.0
MUSI 138	Women in Music	3.0
MUSI 190	Introduction to Music Technology	3.0
MUSI 206A	Projects in Composition I	3.0
MUSI 206B	Projects in Composition II	3.0
MUSI 230A	Jazz Improvisation I	1.0
MUSI 230B	Jazz Improvisation II	1.0
MUSI 230C	Jazz Improvisation III	1.0
MUSI 230D	Jazz Improvisation IV	1.0
MUSI 290	Independent Study	1.0-3.0

Total: 36.0

MUSIC TECHNOLOGY - ASSOCIATE OF ARTS DEGREE: MESA

Summary

The Associate of Arts degree in Music Technology provides students with the necessary skills for pursuing transfer to a 4 year academic music technology degree.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Music Technology Program will be able to:

1. Demonstrate critical thinking through musical performances, reading music notation, using music technology, and communicating musical concepts using correct terminology.
2. Demonstrate aural recognition, aesthetic understanding, and cultural awareness through recognizing elements of music that are the product of and responses to cultural values, traditions, and norms.
3. Demonstrate aural recognition, aesthetic understanding, and cultural awareness through recognizing, comparing, and discussing distinguishing elements of music and music literature.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 28.0

MUSI 100	Introduction to Music	3.0
MUSI 124A	Piano Class I	1.0
MUSI 124B	Piano Class II	1.0
MUSI 150A	Basic Musicianship	3.0
MUSI 148A	Music Theory I	3.0
MUSI 148B	Music Theory II	3.0
MUSI 190	Introduction to Music Technology	3.0
MUSI 201	Recording Arts	3.0

MUSI 202	Computer Music	3.0
MUSI 203	Large Console Audio Recording	3.0
MUSI 268A	Ear Training I	1.0
MUSI 268B	Ear Training II	1.0

Select 2 units from the following:

Units: 2.0

MUSI 139	Music and Social Media	1.0
MUSI 209A	Recording Studio Internship I	1.0
MUSI 209B	Recording Studio Internship II	1.0
MUSI 224A	Piano Class III	1.0

Total: 30.0

MUSIC TECHNOLOGY - CERTIFICATE OF ACHIEVEMENT: MESA

Summary

The Certificate of Achievement in Music Technology certifies that the student has completed the core course work in Music Technology and has demonstrated an operational understanding of music technology skills.

Learning Outcome(s): Students who complete the Music Technology Program will be able to:

1. Demonstrate critical thinking through musical performances, reading music notation, using music technology, and communicating musical concepts using correct terminology.
2. Demonstrate aural recognition, aesthetic understanding, and cultural awareness through recognizing elements of music that are the product of and responses to cultural values, traditions, and norms.
3. Demonstrate aural recognition, aesthetic understanding, and cultural awareness through recognizing, comparing, and discussing distinguishing elements of music and music literature.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 17.0

MUSI 124A	Piano Class I	1.0
MUSI 190	Introduction to Music Technology	3.0
MUSI 148A	Music Theory I	3.0
MUSI 201	Recording Arts	3.0
MUSI 202	Computer Music	3.0
MUSI 203	Large Console Audio Recording	3.0
MUSI 268A	Ear Training I	1.0

Select 2 units (2 courses) from the following:

Units: 2.0

MUSI 139	Music and Social Media	1.0
MUSI 209A	Recording Studio Internship I	1.0
MUSI 209B	Recording Studio Internship II	1.0

Total: 19.0

MUSIC THEORY - CERTIFICATE OF ACHIEVEMENT: MESA

Summary

The Certificate of Achievement in Music Theory certifies that the student has completed the core course work in Music Theory and has demonstrated an operational understanding of music theory skills.

Learning Outcome(s): Students who complete the Music Theory Program will be able to:

1. Demonstrate critical thinking through musical performances, reading music notation, using music technology, and communicating musical concepts using correct terminology.
2. Demonstrate aural recognition, aesthetic understanding, and cultural awareness through recognizing elements of music that are the product of and responses to cultural values, traditions, and norms.
3. Demonstrate aural recognition, aesthetic understanding, and cultural awareness through recognizing, comparing, and discussing distinguishing elements of music and music literature.

Requirements**COURSES REQUIRED FOR THE MAJOR:****Units: 18.0**

MUSI 124A	Piano Class I	1.0
MUSI 124B	Piano Class II	1.0
MUSI 224A	Piano Class III	1.0
MUSI 150A	Basic Musicianship	3.0
MUSI 148A	Music Theory I	3.0
MUSI 148B	Music Theory II	3.0
MUSI 248A	Music Theory III	3.0
MUSI 268A	Ear Training I	1.0
MUSI 268B	Ear Training II	1.0
MUSI 269A	Ear Training III	1.0

Total: 18.0

**NEURODIAGNOSTIC TECHNOLOGY - ASSOCIATE OF SCIENCE DEGREE:
MESA****Summary**

The Neurodiagnostic Technology (NDTE) Associate of Science degree is designed for students working toward (or who have completed) the NDTE Certificate of Achievement who elect to also complete required general education coursework.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Neurodiagnostic Technology Program will be able to:

1. Be provided with knowledge and skills required for an entry level position as a Neurodiagnostic Technologist in a variety of settings including hospitals, out patient clinics, research centers and physician's offices.
2. Develop effective communication skills; both verbally and writing, demonstrate knowledge of state and federal regulations.
3. Develop professional and ethical conduct as stipulated by the American Society of Electrodiagnostic Technologists (ASET) and American Board of Registration of Electroencephalographic and Evoked Potential Technologists (ABRET).
4. Perform safe and accurate neurodiagnostic testing within the scope of practice.

Accreditation

Neurodiagnostic students complete a 15-month program of professional education that combines in depth academic study on campus with practical experience in the program's hospital clinical affiliates. The program is an ABRET recognized program, upon completion of the program graduates will be eligible to sit for the national credentialing board exam (ABRET - American Board of Registration of Electroencephalographic and Evoked Potential Technologists).

Directed Clinical Practice

Students accepted into this program will be required to successfully complete DCP, clinically based courses held in health care facilities. These facilities may require background checks, including fingerprinting and drug screening, as a condition of placement at the clinic.

Refusal to submit to a background check, or failure to meet clearance criteria established by the health care facility, may prevent placement in DCP courses and thus, it may not be possible to successfully complete the program.

Health care facilities also require adherence to strict standards of conduct. Facilities may refuse educational access to any person who does not adhere to the facility's standards of safety, health and ethical behavior. This may be cause for removal from the program.

Admission Criteria

Eligibility for enrollment in this program is determined by a special admission procedure. Interested persons should review program information on the [website](#).

A grade of "C" or better must be maintained in all courses to continue in the program. Course repetition in this program is not permitted. The program is governed by the Allied Health Department Policies.

Requirements

COURSES REQUIRED FOR THE MAJOR:		Units: 32.0
HEIT 130	Basic Pharmacology	1.0
NDTE 101	Basic Electroencephalography	5.0
MEDA 115	Pathophysiology	3.0
NDTE 121	Neurodiagnostic Lab Practice	0.5
NDTE 131	Advanced Electroencephalography	4.0
NDTE 140	Directed Clinical Practice I	2.0
NDTE 133	Introduction to Neuroanatomy and Neurophysiology	3.0
NDTE 135	EEG Record Review	2.5
NDTE 150	Directed Clinical Practice II	2.0
NDTE 203	Neurologic Disorders	3.0
NDTE 250	Directed Clinical Practice III	3.0
NDTE 260	Directed Clinical Practice IV	3.0
		Total: 32.0

NEURODIAGNOSTIC TECHNOLOGY - CERTIFICATE OF ACHIEVEMENT: MESA

Summary

The Neurodiagnostic Technology Certificate of Achievement focuses on EEG and evoked potentials to prepare students for employment in neurodiagnostic technology. Other testing procedures are introduced.

Learning Outcome(s): Students who complete the Neurodiagnostic Technology Program will be able to:

1. Be provided with knowledge and skills required for an entry level position as a Neurodiagnostic Technologist in a variety of settings including hospitals, out patient clinics, research centers and physician's offices.
2. Develop effective communication skills; both verbally and writing, demonstrate knowledge of state and federal regulations.
3. Develop professional and ethical conduct as stipulated by the American Society of Electrodiagnostic Technologists (ASET) and American Board of Registration of Electroencephalographic and Evoked Potential Technologists (ABRET).
4. Perform safe and accurate neurodiagnostic testing within the scope of practice.

Accreditation

Neurodiagnostic students complete a 15-month program of professional education that combines in depth academic study on campus with practical experience in the program's hospital clinical affiliates. The program is an ABRET recognized program, upon completion of the program graduates will be eligible to sit for the national credentialing board exam (ABRET - American Board of Registration of Electroencephalographic and Evoked Potential Technologists).

Directed Clinical Practice

Students accepted into this program will be required to successfully complete DCP, clinicallybased courses held in health care facilities. These facilities may require background checks, including fingerprinting and drug screening, as a condition of placement at the clinic.

Refusal to submit to a background check, or failure to meet clearance criteria established by the health care facility, may prevent placement in DCP courses and thus, it may not be possible to successfully complete the program.

Health care facilities also require adherence to strict standards of conduct. Facilities may refuse educational access to any person who does not adhere to the facility's standards of safety, health and ethical behavior. This may be cause for removal from the program.

Admission Criteria

Eligibility for enrollment in this program is determined by a special admission procedure. Interested persons should review program information on the [website](#).

A grade of "C" or better must be maintained in all courses to continue in the program. Course repetition in this program is not permitted. The program is governed by the Allied Health Department Policies.

Requirements

COURSES REQUIRED FOR THE MAJOR:		Units: 32.0
HEIT 130	Basic Pharmacology	1.0
NDTE 101	Basic Electroencephalography	5.0
MEDA 115	Pathophysiology	3.0
NDTE 121	Neurodiagnostic Lab Practice	0.5
NDTE 131	Advanced Electroencephalography	4.0
NDTE 140	Directed Clinical Practice I	2.0
NDTE 133	Introduction to Neuroanatomy and Neurophysiology	3.0
NDTE 135	EEG Record Review	2.5
NDTE 150	Directed Clinical Practice II	2.0
NDTE 203	Neurologic Disorders	3.0
NDTE 250	Directed Clinical Practice III	3.0
NDTE 260	Directed Clinical Practice IV	3.0
		Total: 32.0

NUTRITION - ASSOCIATE OF SCIENCE DEGREE: MESA

Summary

The Nutrition Program provides two excellent academic pathways in the field of dietetics and nutrition.

1. Courses transfer to a four-year institution in preparation to become a Registered Dietitian
2. An Associate Degree

Students planning to transfer to a four-year institution should consult the Counseling Department and a Nutrition Advisor for assistance in program planning.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Nutrition Program will be able to:

1. Evaluate student's eating habits based on nutrition knowledge learned in class.
2. Utilize current computer software to analyze macro and micro-nutrient contents of dietary intake.
3. Apply scientific principles of food handling (sanitation and food safety) to food preparation and storage to reduce food-borne illnesses.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 27.0-30.0

NUTR 150	Nutrition Science and Global Food Issues	3.0
NUTR 153	Cultural Foods	3.0
NUTR 155	Advanced Nutrition	3.0
NUTR 160	Foods for Healthy Lifestyles	3.0
NUTR 170	Nutrition and Fitness	3.0
NUTR 180	Nutrition and Diet Therapy	3.0
NUTR 270	Work Experience	1.0-4.0
BIOL 107	General Biology-Lecture and Laboratory	4.0
CHEM 100	Fundamentals of Chemistry	3.0
CHEM 100L	Fundamentals of Chemistry Laboratory	1.0

Total: 27.0-30.0

NUTRITION - CERTIFICATE OF ACHIEVEMENT: MESA

Summary

The Nutrition Program provides two excellent academic pathways in the field of dietetics and nutrition.

1. Courses transfer to a four-year institution in preparation to become a Registered Dietitian
2. An Associate Degree

Students planning to transfer to a four-year institution should consult the Counseling Department and a Nutrition Advisor for assistance in program planning.

Learning Outcome(s): Students who complete the Nutrition Program will be able to:

1. Utilize current computer software to analyze macro and micro-nutrient contents of dietary intake.
2. Apply scientific principles of food handling (sanitation and food safety) to food preparation and storage to reduce food-borne illnesses.
3. Evaluate student's eating habits based on nutrition knowledge learned in class.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 27.0-30.0

NUTR 150	Nutrition Science and Global Food Issues	3.0
NUTR 153	Cultural Foods	3.0
NUTR 155	Advanced Nutrition	3.0
NUTR 160	Foods for Healthy Lifestyles	3.0
NUTR 170	Nutrition and Fitness	3.0
NUTR 180	Nutrition and Diet Therapy	3.0

NUTR 270	Work Experience	1.0-4.0
BIOL 107	General Biology-Lecture and Laboratory	4.0
CHEM 100	Fundamentals of Chemistry	3.0
CHEM 100L	Fundamentals of Chemistry Laboratory	1.0

Total: 27.0-30.0

NUTRITION AND DIETETICS - ASSOCIATE IN SCIENCE FOR TRANSFER DEGREE: MESA

Summary

The Associate in Science in Nutrition and Dietetics for Transfer is intended for students who plan to complete a bachelor's degree in Nutrition or a related major in the California State University (CSU) system. It is accepted by some but not all CSU campuses. Students who complete this degree and transfer to a participating CSU campus will be required to complete no more than 60 units after transfer to earn a bachelor's degree. It may not be appropriate preparation for students transferring to a CSU campus that does not accept the degree.

NOTE: Students intending to transfer into this major at a CSU should consult with a counselor and visit www.assist.org for guidance on appropriate transfer coursework.

Award Notes:

The following is required for all AA-T or AS-T degrees:

- Completion of 60 semester units that are eligible for transfer to the California State University
- Completion of a minimum of 18 semester units in an "AA-T" or "AS-T" major.
- Minimum grade point average (GPA) of at least 2.0 in all CSU-transferable coursework. While a minimum of 2.0 is required for admission, some CSU campuses and majors may require a higher GPA. Please see a counselor for more information.
- Minimum grade of "C" or "P" or better for each course in the major. Students should review the Pass/No Pass acceptance policy of the transfer institution prior to requesting this grade option.
- Certified completion of the California General Education Transfer Curriculum (Cal-GETC) pattern.

Learning Outcome(s): Students who complete the Nutrition and Dietetics Program will be able to:

1. Become familiar with software and hardware related to the Nutrition healthcare field.
2. Demonstrate knowledge to produce food in a safe and sanitary fashion in order to reduce risk of food-borne illness.
3. Evaluate eating habits using scientific principles and nutrition research data.

Requirements

COURSES REQUIRED FOR THE MAJOR: Units: 16.0

BIOL 205	General Microbiology	5.0
CHEM 200	General Chemistry I - Lecture	3.0
CHEM 200L	General Chemistry I - Laboratory	2.0
NUTR 150	Nutrition Science and Global Food Issues	3.0
PSYC C1000	Introduction to Psychology	3.0

CATEGORY A: SELECT A MINIMUM OF TWO COURSES FROM THE FOLLOWING: Units: 7.0-9.0 (7-9 units)

BIOL 230	Human Anatomy	4.0
CHEM 201	General Chemistry II - Lecture	3.0
CHEM 201L	General Chemistry II - Laboratory	2.0
PSYC 258	Behavioral Science Statistics	3.0

CATEGORY B: SELECT A MINIMUM OF ONE COURSE FROM THE FOLLOWING OR ANY COURSE NOT SELECTED IN CATEGORY A (3-5 units)

Units: 3.0-5.0

NUTR 153	Cultural Foods	3.0
NUTR 155	Advanced Nutrition	3.0
NUTR 160	Foods for Healthy Lifestyles	3.0
ACCT 116A	Financial Accounting	4.0
BIOL 107	General Biology-Lecture and Laboratory	4.0
BIOL 200	Biological Statistics	3.0
BIOL 210A	Introduction to the Biological Sciences I	4.0
BIOL 210B	Introduction to the Biological Sciences II	4.0
BIOL 235	Human Physiology	4.0
BUSE 115	Statistics for Business	3.0
BUSE 140	Business Law and the Legal Environment	3.0
CHEM 100	Fundamentals of Chemistry	3.0
CHEM 100L	Fundamentals of Chemistry Laboratory	1.0
CHEM 130	Introduction to Organic and Biological Chemistry	3.0
CHEM 130L	Introduction to Organic and Biological Chemistry Laboratory	1.0
CHEM 231	Organic Chemistry I - Lecture	3.0
CHEM 231L	Organic Chemistry I - Laboratory	2.0
CHEM 233	Organic Chemistry II - Lecture	3.0
CHEM 233L	Organic Chemistry II - Laboratory	2.0
CHIL 101	Human Growth and Development	3.0
ECON 120	Principles of Macroeconomics	3.0
ECON 121	Principles of Microeconomics	3.0
JOUR 200	Introduction to Newswriting and Reporting	3.0
JOUR 202	Introduction to Mass Communication	3.0
MATH 116	College and Matrix Algebra	3.0
STAT C1000	Introduction to Statistics	3.0
MATH 121	Basic Techniques of Applied Calculus I	3.0
MATH 141	Precalculus	5.0
MATH 150	Calculus with Analytic Geometry I	5.0
MATH 151	Calculus with Analytic Geometry II	4.0
PHYS 125	General Physics	5.0
PHYS 126	General Physics II	5.0
PSYC 230	Psychology of Lifespan Development	3.0
SOCO 101	Principles of Sociology	3.0

Total: 26.0-30.0

NUTRITION AND FITNESS - ASSOCIATE OF SCIENCE DEGREE: MESA

Summary

The Nutrition Program provides two excellent academic pathways in the field of dietetics and nutrition.

1. Courses transfer to a four-year institution in preparation to become a Registered Dietitian
2. An Associate Degree

Students planning to transfer to a four-year institution should consult the Counseling Department and a Nutrition Advisor for assistance in program planning.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Nutrition and Fitness Program will be able to:

1. Apply scientific principles of food handling (sanitation and food safety) to food preparation and storage to reduce food-borne illnesses.
2. Utilize current computer software to analyze macro and micro-nutrient contents of dietary intake.
3. Evaluate student's eating habits based on nutrition knowledge learned in class.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 18.5-23.0

BIOL 160	Elements of Human Anatomy and Physiology	4.0
		0.5-1.0
EXSC 125A	Aerobic Dance I	0.5-1.0
OR		
EXSC 125B	Aerobic Dance II	0.5-1.0
		0.5-1.0
EXSC 126A	Cardio Conditioning I	0.5-1.0
OR		
EXSC 126B	Cardio Conditioning II	0.5-1.0
		0.5-1.0
EXSC 139A	Weight Training I	0.5-1.0
OR		
EXSC 139B	Weight Training II	0.5-1.0
		0.5-1.0
EXSC 242B	Care and Prevention of Injuries	3.0
NUTR 150	Nutrition Science and Global Food Issues	3.0
NUTR 160	Foods for Healthy Lifestyles	3.0
NUTR 170	Nutrition and Fitness	3.0
NUTR 270	Work Experience	1.0-4.0

Total: 18.5-23.0

NUTRITION AND FITNESS - CERTIFICATE OF ACHIEVEMENT: MESA

Summary

The Nutrition Program provides two excellent academic pathways in the field of dietetics and nutrition.

1. Courses transfer to a four-year institution in preparation to become a Registered Dietitian
2. An Associate Degree

Students planning to transfer to a four-year institution should consult the Counseling Department and a Nutrition Advisor for assistance in program planning.

Learning Outcome(s): Students who complete the Nutrition and Fitness Program will be able to:

1. Utilize current computer software to analyze macro and micro-nutrient contents of dietary intake.
2. Apply scientific principles of food handling (sanitation and food safety) to food preparation and storage to reduce food-borne illnesses.
3. Evaluate student's eating habits based on nutrition knowledge learned in class.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 18.5-23.0

BIOL 160	Elements of Human Anatomy and Physiology	4.0
		0.5-1.0

EXSC 125A	Aerobic Dance I	0.5-1.0
OR		
EXSC 125B	Aerobic Dance II	0.5-1.0
		0.5-1.0
EXSC 126A	Cardio Conditioning I	0.5-1.0
OR		
EXSC 126B	Cardio Conditioning II	0.5-1.0
OR		
EXSC 126C	Cardio Conditioning III	0.5-1.0
		0.5-1.0
EXSC 139A	Weight Training I	0.5-1.0
OR		
EXSC 139B	Weight Training II	0.5-1.0
OR		
EXSC 139C	Weight Training III	0.5-1.0
EXSC 242B	Care and Prevention of Injuries	3.0
NUTR 150	Nutrition Science and Global Food Issues	3.0
NUTR 160	Foods for Healthy Lifestyles	3.0
NUTR 170	Nutrition and Fitness	3.0
NUTR 270	Work Experience	1.0-4.0

Total: 18.5-23.0

PATHWAY TO LAW SCHOOL - CERTIFICATE OF ACHIEVEMENT: MESA

Summary

The Pathway to Law School Certificate of Achievement recognizes students who have completed the coursework which is one of the requirements to be named a "Cal-LAW Scholar" by the statewide California Law Pathway Program. This program seeks to help students from diverse backgrounds acquire the skills and knowledge necessary for a career in the legal profession.

Learning Outcome(s): Students who complete the Pathway to Law School Program will be able to:

1. Understand the various opportunities for careers in the law
2. Demonstrate skills that will help prepare for a career in the legal profession
3. Assess the steps that are necessary to move forward on a path to a career in the legal profession

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 21.0

		3.0
PADM 110	Introduction to Law and Society	3.0
OR		
BUSE 140	Business Law and the Legal Environment	3.0
		3.0
ENGL C1000	Academic Reading and Writing	3.0
OR		
ENGL 105	Composition and Literature	3.0
		3.0

PHIL 205	Critical Thinking and Writing in Philosophy	3.0
OR		
HIST 205	Methodology and Practice in History	3.0
OR		
ENGL C1001	Critical Thinking and Writing	3.0
COMM C1000	Introduction to Public Speaking	3.0
		3.0
POLI 201	Elementary Statistics for Political Science	3.0
OR		
PSYC 258	Behavioral Science Statistics	3.0
OR		
STAT C1000	Introduction to Statistics	3.0
		3.0
HIST 109	History of the United States I	3.0
OR		
HIST 110	History of the United States History II	3.0
OR		
HIST 123	U.S. History from the Asian Pacific American Perspective	3.0
OR		
HIST 141	Women in United States History I	3.0
OR		
HIST 142	Women in United States History II	3.0
OR		
HIST 150	Native Americans in United States History I	3.0
OR		
HIST 151	Native Americans in United States History II	3.0
OR		
CHIC 141A	United States History from a Chicano Perspective	3.0
OR		
CHIC 141B	United States History from a Chicano Perspective	3.0
OR		
BLAS 140A	African American History to Reconstruction	3.0
OR		
BLAS 140B	African American History since Reconstruction to the Present	3.0
		3.0
POLS C1000	American Government and Politics	3.0
OR		
POLI 121	American Political Development	3.0

Total: 21.0

PATIENT CARE COORDINATOR - CERTIFICATE OF ACHIEVEMENT: MESA

Summary

The Patient Care Coordinator Program prepares students for employment in outpatient settings including medical clinics and doctors' offices. Students receive training in medical terminology, medical law and ethics, administrative tasks, Microsoft office, lifestyle medicine, health and wellness coaching, and interpersonal communication.

Learning Outcome(s): Students who complete the Patient Care Coordinator Program will be able to:

1. Demonstrate legal aspects of health care, confidentiality requirements and health ethics in the workplace

2. Apply medical terminology to the various aspects of their profession
3. Communicate with patients and their families regarding treatment, procedures, medications and continued care
4. Perform analytical and data entry tasks
5. Secure authorization for patient procedures, and communicate costs and insurance authorization to all parties
6. Schedule patient visits and answer pre visit questions, including questions about billing

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 22.5

MEDA 110	Medical Terminology	3.0
MEDA 56	Administrative Medical Assisting I	1.5
MEDA 64	Medical Ethics and Legal Issues for the Allied Health Professional	1.0
MEDA 86	Administrative Medical Assisting II	2.0
HEAL 103	Introduction to Public Health	3.0
HEAL 107	Lifestyle Medicine for Health and Wellness	3.0
CBTE 180	Microsoft Office	3.0
COMS 135	Interpersonal Communication	3.0
EXSC 294	Health and Wellness Coaching	3.0

Total: 22.5

PERSONAL TRAINER - CERTIFICATE OF ACHIEVEMENT: MESA

Summary

Students who earn this award are trained to be group exercise leaders and personal trainers. Students learn the principles of exercise and physical conditioning, techniques of leading exercise sessions, appropriate methods of establishing healthy behavior and the designing of personalized exercise programs. Students develop safe, effective exercise plans for a variety of clients.

The Personal Trainer Certificate of Achievement trains students for positions, entry-level or higher, in the growing fitness industry.

Graduates are qualified to be exercise testing technicians, fitness instructors, strength training instructors, aerobics instructors, and personal fitness trainers.

The fitness industry continued to experience growth and has an ongoing need for trained instructors and trainers in health clubs, fitness centers, and sports medicine clinics.

Please note that students enrolled in an occupational program must earn a grade of "C" or better in courses required for the major.

Learning Outcome(s): Students who complete the Personal Trainer Program will be able to:

1. Develop of new programs in the areas of Aquatics and Wellness Coaching to prepare students to think critically about safety, health and wellness as it relates to lifelong learning activities.
2. Apply core critical thinking skills of analysis, interpretation, evaluation and explanation in the development of nutritional and fitness plans and the acquisition of skill development including proper techniques, physiological principles and kinesthetic awareness.
3. Demonstrate effective and sensitive verbal, nonverbal and written communications skills.
4. Value and implement physical fitness activities, wellness strategies and principles in support of a healthy lifestyle.
5. Display the attributes of sportsmanship and teamwork as it pertains to physical education and athletic competition.
6. Utilize current technology to research and compile information in health and wellness, human performance and athletic competition.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 16.0-24.0

EXSC 282	Techniques of Weight Training	2.0
EXSC 283	Exercise and Fitness Assessment	2.0
EXSC 285	Exercise for Special Populations	2.0
EXSC 286	Techniques of Exercise Leadership	2.0
EXSC 288	Personal Training Professional Preparation	1.0
EXSC 270	Exercise Science Internship / Work Experience	1.0-4.0
<i>Select one course from the following:</i>		2.0-4.0
EXSC 280	Applied Exercise Physiology	2.0
OR		
BIOL 235	Human Physiology	4.0
<i>Select one course from the following:</i>		2.0-4.0
EXSC 281	Applied Kinesiology	2.0
OR		
BIOL 230	Human Anatomy	4.0
<i>Select one course from the following:</i>		2.0-3.0
EXSC 284	Fitness and Sports Nutrition	2.0
OR		
NUTR 170	Nutrition and Fitness	3.0

Total: 16.0-24.0

PHILOSOPHY - ASSOCIATE IN ARTS FOR TRANSFER DEGREE: MESA

Summary

The Associate in Arts in Philosophy for Transfer is intended for students who plan to complete a bachelor's degree in Philosophy or a related major in the California State University (CSU) system. It is accepted by some but not all CSU campuses. Students who complete this degree and transfer to a participating CSU campus will be required to complete no more than 60 units after transfer to earn a bachelor's degree. It may not be appropriate preparation for students transferring to a CSU campus that does not accept the degree. Students who plan to complete this degree should consult a counselor for additional information about participating CSU campuses as well as university admission, degree, and transfer requirements.

NOTE: Students intending to transfer into this major at a CSU should consult with a counselor and visit www.assist.org for guidance on appropriate transfer coursework.

Award Notes:

The following is required for all AA-T or AS-T degrees:

- Completion of 60 semester units that are eligible for transfer to the California State University
- Completion of a minimum of 18 semester units in an "AA-T" or "AS-T" major.
- Minimum grade point average (GPA) of at least 2.0 in all CSU-transferable coursework. While a minimum of 2.0 is required for admission, some CSU campuses and majors may require a higher GPA. Please see a counselor for more information.
- Minimum grade of "C" or "P" or better for each course in the major. Students should review the Pass/No Pass acceptance policy of the transfer institution prior to requesting this grade option.
- Certified completion of the California General Education Transfer Curriculum (Cal-GETC) pattern.

Learning Outcome(s): Students who complete the Philosophy Program will be able to:

1. Demonstrate an ability to understand one's role in society, take responsibility for one's own actions, and make ethical decisions in complex situations.

2. Think critically in reading about topics in Philosophy, thereby identifying problems, theses, arguments, evidence and conclusions.
3. Write or speak about topics in Philosophy, thereby addressing problems, formulating theses, making arguments, analyzing and weighing evidence, and deriving conclusions.
4. Articulate similarities and contrasts among cultures, times, and environments, demonstrating an understanding of cultural pluralism.
5. Critically evaluate one's own beliefs/positions in light of the context of meaningful philosophical inquiry.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 6.0

		3.0
PHIL 100	Logic and Critical Thinking	3.0
OR		
PHIL 101	Symbolic Logic	3.0
		3.0
PHIL 102A	Introduction to Philosophy: Reality and Knowledge	3.0
OR		
PHIL 102B	Introduction to Philosophy: Values	3.0

CATEGORY A: SELECT FROM THE FOLLOWING COURSES OR ANY COURSE NOT SELECTED IN THE CORE. RECOMMEND SELECTING A COURSE WHICH FULFILLS THE LOWER DIVISION MAJOR PREPARATION REQUIREMENTS OF YOUR PROSPECTIVE TRANSFER UNIVERSITY. (3 UNITS)

Units: 3.0

PHIL 100	Logic and Critical Thinking	3.0
PHIL 103	Historical Introduction To Philosophy	3.0
PHIL 104A	History Of Western Philosophy: Ancient to Medieval	3.0
PHIL 104B	History of Western Philosophy: Modern to Contemporary	3.0
PHIL 105	Contemporary Philosophy	3.0
PHIL 106	Asian Philosophy	3.0
PHIL 107	Reflections on Human Nature	3.0
PHIL 108	Perspectives on Human Nature and Society	3.0
PHIL 109	Issues in Social Philosophy	3.0
PHIL 110	Philosophy of Religion	3.0
PHIL 111	Philosophy in Literature and Other Fiction	3.0
PHIL 112	Philosophy of Science	3.0
PHIL 205	Critical Thinking and Writing in Philosophy	3.0
ENGL 105	Composition and Literature	3.0
ENGL C1001	Critical Thinking and Writing	3.0

CATEGORY B: SELECT FROM THE FOLLOWING COURSES OR ANY COURSE(S) NOT SELECTED IN THE CORE OR CATEGORY A. RECOMMEND SELECTING COURSES WHICH FULFILL THE LOWER DIVISION MAJOR PREPARATION REQUIREMENTS OF YOUR PROSPECTIVE UNIVERSITY. (9-11 UNITS)

Units: 9.0-11.0

PHIL 125	Philosophy of Women	3.0
PHIL 126	Philosophy of Contemporary Gender Issues	3.0
PHIL 130	Philosophy of Art and Music	3.0
PHIL 131	Environmental Ethics	3.0

CATEGORY B MAY ALSO BE SATISFIED AS FOLLOWS: COMPLETION OF A LANGUAGE COURSE OTHER THAN ENGLISH, INCLUDING AMERICAN SIGN LANGUAGE (AMSL) COURSES.

AMSL 120	American Sign Language Level I	5.0
AMSL 121	American Sign Language Level II	5.0
AMSL 220	American Sign Language Level III	5.0
AMSL 221	American Sign Language Level IV	5.0
CHIN 101	First Course in Mandarin Chinese	5.0
CHIN 102	Second Course in Mandarin Chinese	5.0
CHIN 201	Third Course in Mandarin Chinese	5.0
CHIN 202	Fourth Course in Mandarin Chinese	5.0
FREN 101	First Course in French	5.0
FREN 102	Second Course in French	5.0
FREN 201	Third Course in French	5.0
FREN 202	Fourth Course in French	5.0
GERM 101	First Course in German	5.0
GERM 102	Second Course in German	5.0
GERM 201	Third Course in German	5.0
ITAL 101	First Course in Italian	5.0
ITAL 102	Second Course in Italian	5.0
ITAL 201	Third Course in Italian	5.0
JAPN 101	First Course in Japanese	5.0
JAPN 102	Second Course in Japanese	5.0
JAPN 201	Third Course in Japanese	5.0
JAPN 202	Fourth Course in Japanese	5.0
RUSS 101	First Course in Russian	5.0
RUSS 102	Second Course in Russian	5.0
RUSS 201	Third Course in Russian	5.0
SPAN 101	First Course in Spanish	5.0
SPAN 102	Second Course in Spanish	5.0
SPAN 201	Third Course in Spanish	5.0
SPAN 202	Fourth Course in Spanish	5.0
SPAN 215	Spanish for Spanish Speakers I	5.0
SPAN 216	Spanish for Spanish Speakers II	5.0
VIET 101	First Course in Vietnamese	5.0
VIET 102	Second Course in Vietnamese	5.0
VIET 201	Third Course in Vietnamese	5.0

Total: 18.0-20.0

PHLEBOTOMY TRAINING PROGRAM - CERTIFICATE OF PERFORMANCE: MESA

Summary

The Phlebotomy Training Program offers a one semester Certificate of Performance in Phlebotomy. Students who successfully complete the Phlebotomy Training Program and receive a Certificate of Performance are eligible to apply for State of California certification as a Certified Phlebotomy Technician 1 (CPT 1) and sit for several national examinations.

Award Notes:

A Certificate of Performance is a departmental award that does not appear on the student's transcript. All courses must be completed within the San Diego Community College District.

This program is not eligible for federal financial aid in accordance with Federal regulations.

Learning Outcome(s): Students who complete the Phlebotomy Training Program Program will be able to:

1. Perform safe and effective technical skills relative to the phlebotomy technician "scope of practice".
2. Enter the workforce as an entry level Certified Phlebotomy Technician.

Admission Criteria

Eligibility for enrollment in this program is determined by a special admission procedure. Interested persons should review program information at our [website](#).

Students completing the Phlebotomy Training Program must complete a minimum of 50 to 100 successful venipunctures, 25 successful capillary punctures and observe 2 arterial punctures in order to be awarded a Certificate of Performance in Phlebotomy, and be eligible to apply for State of California certification as a Certified Phlebotomy Technician 1 (CPT 1) and sit for several state and national examinations.

This program includes basic and advanced didactic and practical phlebotomy training, including a minimum of 50 to 100 patient venipunctures, 25 capillary punctures and two arterial puncture observations.

Directed Clinical Practice Requirement

Students accepted into the Phlebotomy Training Program are required to successfully complete Directed Clinical Practice; a clinically-based course held in health care facilities. The facilities may require background checks, including fingerprinting and drug screening as a condition of placement at the clinic. Refusal to submit to a background check, or failure to meet clearance criteria established by the health care facility, may prevent placement in the Directed Clinical Practice and thus, prevent successful completion of the program. Health care facilities also require adherence to strict standards of conduct. Facilities may refuse educational access to any person who does not adhere to the facility's standard of safety, health and ethical behavior. This may be cause for removal from the program.

Requirements**COURSES REQUIRED FOR THE MAJOR:****Units: 4.0**

PHLB 70	Phlebotomy	2.5
PHLB 80	Phlebotomy Directed Clinical Practice	1.5

Total: 4.0

PHYSICAL SCIENCES - ASSOCIATE OF SCIENCE DEGREE: MESA**Summary**

Physical Sciences is a multidisciplinary program promoting an appreciation for various disciplines such as physics, chemistry, astronomy and earth sciences by exposing students to various methodologies.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Physical Sciences Program will be able to:

1. Clearly communicate scientific principles, experimental results, and their implications.
2. Apply conceptual and mathematical tools to correctly predict the future state of physical systems.
3. Use proportional reasoning and graphical analysis to establish and analyze relationships between measured quantities.

Requirements**COURSES REQUIRED FOR THE MAJOR:****Units: 4.0**

GEOL 100	Physical Geology	3.0
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GEOL 101	Physical Geology Laboratory	1.0
At least 4 units from the following:		Units: 4.0
ASTR 101	Descriptive Astronomy	3.0
ASTR 102	Exploring The Solar System And Life Beyond The Earth	3.0
ASTR 109	Practice in Observing	1.0
ASTR 111	Astronomy Laboratory	1.0
GEOL 104	Earth Science	3.0
GEOL 120	Earth Science Laboratory	1.0
GEOL 130	Field Geology of San Diego County	4.0
PHYN 114	Weather and Climate	3.0
At least 8 units from the following:		Units: 8.0
CHEM 100	Fundamentals of Chemistry	3.0
CHEM 100L	Fundamentals of Chemistry Laboratory	1.0
CHEM 130	Introduction to Organic and Biological Chemistry	3.0
CHEM 130L	Introduction to Organic and Biological Chemistry Laboratory	1.0
CHEM 152	Introduction to General Chemistry	3.0
CHEM 152L	Introduction to General Chemistry Laboratory	1.0
CHEM 200	General Chemistry I - Lecture	3.0
CHEM 200L	General Chemistry I - Laboratory	2.0
CHEM 201	General Chemistry II - Lecture	3.0
CHEM 201L	General Chemistry II - Laboratory	2.0
At least 3 units from the following:		Units: 3.0
GEOG 101	Physical Geography	3.0
GEOG 101L	Physical Geography Laboratory	1.0
At least 8 units from the following:		Units: 8.0
PHYS 100	Introductory Physics	4.0
PHYS 125	General Physics	5.0
PHYS 126	General Physics II	5.0
PHYS 195	Mechanics	5.0
PHYS 196	Electricity and Magnetism	5.0
PHYS 197	Waves, Optics and Modern Physics	5.0
At least 8 units from the following:		Units: 8.0
MATH 104	Trigonometry	3.0
MATH 118	Math for the Liberal Arts Student	3.0
STAT C1000	Introduction to Statistics	3.0
OR		
PSYC 258	Behavioral Science Statistics	3.0
MATH 141	Precalculus	5.0
MATH 150	Calculus with Analytic Geometry I	5.0
MATH 151	Calculus with Analytic Geometry II	4.0
MATH 252	Calculus with Analytic Geometry III	4.0
		Total: 35.0

PHYSICAL THERAPIST ASSISTANT - ASSOCIATE OF SCIENCE DEGREE: MESA

Summary

The Physical Therapist Assistant Program prepares the student for employment as a physical therapist assistant. The physical therapist assistant, working under the supervision and direction of a licensed physical therapist, assists in the provision of physical therapy services including manual therapy, therapeutic exercise, therapeutic modalities, and functional training across the lifespan.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Physical Therapist Assistant Program will be able to:

1. Demonstrate ethical and professional behaviors consistent with professional standards and practice.
2. Select and perform safe and effective interventions within the Physical Therapist Assistant (PTA) scope of practice and Physical Therapist's plan of care.
3. Communicate effectively, both verbally and in writing, as appropriate for a PTA.
4. Demonstrate knowledge of California physical therapy laws and regulations.
5. Participate in self-assessment and develop plans to improve knowledge, skills, and behavior as appropriate for a PTA.
6. Incorporate an understanding of the implications of individual and cultural differences, and adapt behavior and delivery of care accordingly in all aspects of physical therapy services with respect to patients' values, preferences, and needs.

Accreditation

The program is accredited by the Commission on Accreditation in Physical Therapy Education (CAPTE) of the American Physical Therapy Association (3030 Potomac Ave., Suite 100, Alexandria, VA., 703-7063245) and approved by the Physical Therapy Board of California. Graduates are eligible to take the examination for licensure as a physical therapist assistant.

Directed Clinical Practice Requirement

Students accepted into this program will be required to successfully complete DCP, clinically based courses held in health care facilities. These facilities may require background checks, including fingerprinting and drug screening, as a condition of placement at the clinic.

Refusal to submit to a background check, or failure to meet clearance criteria established by the health care facility, may prevent placement in DCP courses and thus, it may not be possible to successfully complete the program.

Health care facilities also require adherence to strict standards of conduct. Facilities may refuse educational access to any person who does not adhere to the facility's standards of safety, health and ethical behavior. This may be cause of removal from the program.

Admission Criteria

Eligibility for enrollment in this program is determined by a special admission procedure. Interested persons should review program information on the [website](#).

A grade of "C" or better must be maintained in all courses to continue in the program. Course repetition in this program is not permitted. The program is governed by the Allied Health Department Policies.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 46.5

PHYR 210	Introduction to Physical Therapy	2.0
PHYR 215	Documentation Skills	1.0
PHYR 220	Growth, Development, and Aging	3.0
PHYR 225	Acute Care Techniques	2.0
PHYR 225L	Acute Care Techniques Lab	2.0
PHYR 230	Introduction To Human Movement	3.0
PHYR 240	Introduction to Pathology	3.0
PHYR 250	Introduction to Therapeutic Exercise	2.0
PHYR 260	Topics in Neurology and Rehabilitation	2.0
PHYR 260L	Topics in Neurology and Rehabilitation Lab	2.0
PHYR 263	Patient Management	1.0
PHYR 264	Therapeutic Modalities	1.5
PHYR 264L	Therapeutic Modalities Lab	1.5
PHYR 276	Orthopedic Exercise and Rehabilitation	3.5
PHYR 276L	Orthopedic Exercise and Rehabilitation-Lab	2.0
PHYR 280	Organization of Physical Therapy	2.0
PHYR 291	Directed Clinical Practice I	3.0
PHYR 295	Directed Clinical Practice II	5.0
PHYR 298	Directed Clinical Practice III	5.0

Total: 46.5

PHYSICS - ASSOCIATE IN SCIENCE FOR TRANSFER DEGREE: MESA

Summary

The Associate in Science in Physics for Transfer is intended for students who plan to complete a bachelor's degree in Physics or a related major in the California State University (CSU) system. It is accepted by some but not all CSU campuses. Students who complete this degree and transfer to a participating CSU campus will be required to complete no more than 60 units after transfer to earn a bachelor's degree. It may not be appropriate preparation for students transferring to a CSU campus that does not accept the degree.

NOTE: Students intending to transfer into this major at a CSU should consult with a counselor and visit www.assist.org for guidance on appropriate transfer coursework.

Award Notes:

The following is required for all AA-T or AS-T degrees:

- Completion of 60 semester units that are eligible for transfer to the California State University
- Completion of a minimum of 18 semester units in an "AA-T" or "AS-T" major.
- Minimum grade point average (GPA) of at least 2.0 in all CSU-transferable coursework. While a minimum of 2.0 is required for admission, some CSU campuses and majors may require a higher GPA. Please see a counselor for more information.
- Minimum grade of "C" or "P" or better for each course in the major. Students should review the Pass/No Pass acceptance policy of the transfer institution prior to requesting this grade option.
- Certified completion of the California General Education Transfer Curriculum (Cal-GETC) pattern.

Learning Outcome(s): Students who complete the Physics Program will be able to:

1. Clearly communicate scientific principles, experimental results, and their implications.
2. Apply conceptual and mathematical tools to correctly predict the future state of physical systems.
3. Use proportional reasoning and graphical analysis to establish and analyze relationships between measured quantities.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 28.0

PHYS 195	Mechanics	5.0
PHYS 196	Electricity and Magnetism	5.0
PHYS 197	Waves, Optics and Modern Physics	5.0
MATH 150	Calculus with Analytic Geometry I	5.0
MATH 151	Calculus with Analytic Geometry II	4.0
MATH 252	Calculus with Analytic Geometry III	4.0

Total: 28.0

PHYSICS - ASSOCIATE OF SCIENCE DEGREE: MESA

Summary

Upon completion of the required pattern of physics courses and other degree graduation requirements an Associate in Science Degree in Physics will be granted. A certificate program is also offered in physics.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Physics Program will be able to:

1. Clearly communicate scientific principles, experimental results, and their implications
2. Apply conceptual and mathematical tools to correctly predict the future state of physical systems.
3. Use proportional reasoning and graphical analysis to establish and analyze relationships between measured quantities.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 28.0

PHYS 195	Mechanics	5.0
PHYS 196	Electricity and Magnetism	5.0
PHYS 197	Waves, Optics and Modern Physics	5.0
MATH 150	Calculus with Analytic Geometry I	5.0
MATH 151	Calculus with Analytic Geometry II	4.0
MATH 252	Calculus with Analytic Geometry III	4.0

Select 6 to 8 units from the following:

Units: 6.0-8.0

		5.0
CHEM 200	General Chemistry I - Lecture	3.0
AND		
CHEM 200L	General Chemistry I - Laboratory	2.0
MATH 254	Introduction to Linear Algebra	3.0
MATH 255	Differential Equations	3.0
CISC 179	Introduction to Python Programming	4.0
CISC 190	Java Programming	4.0
CISC 192	C/C++ Programming	4.0
ENGE 116	Computational Methods in Engineering	3.0

Total: 34.0-36.0

PHYSICS - CERTIFICATE OF ACHIEVEMENT: MESA

Summary

Upon completion of the required pattern of physics courses and other degree graduation requirements an Associate in Science Degree in Physics will be granted. A certificate program is also offered in physics.

Learning Outcome(s): Students who complete the Physics Program will be able to:

1. Clearly communicate scientific principles, experimental results, and their implications.
2. Apply conceptual and mathematical tools to correctly predict the future state of physical systems.
3. Use proportional reasoning and graphical analysis to establish and analyze relationships between measured quantities.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 28.0

PHYS 195	Mechanics	5.0
PHYS 196	Electricity and Magnetism	5.0
PHYS 197	Waves, Optics and Modern Physics	5.0
MATH 150	Calculus with Analytic Geometry I	5.0
MATH 151	Calculus with Analytic Geometry II	4.0
MATH 252	Calculus with Analytic Geometry III	4.0

Total: 28.0

POLITICAL SCIENCE - ASSOCIATE IN ARTS FOR TRANSFER DEGREE: MESA

Summary

The Associate in Arts in Political Science for Transfer is intended for students who plan to complete a bachelor's degree in Political Science or a related major in the California State University (CSU) system. It is accepted by some but not all CSU campuses. Students who complete this degree and transfer to a participating CSU campus will be required to complete no more than 60 units after transfer to earn a bachelor's degree. It may not be appropriate preparation for students transferring to a CSU campus that does not accept the degree.

NOTE: Students intending to transfer into this major at a CSU should consult with a counselor and visit www.assist.org for guidance on appropriate transfer coursework.

Award Notes:

The following is required for all AA-T or AS-T degrees:

- Completion of 60 semester units that are eligible for transfer to the California State University
- Completion of a minimum of 18 semester units in an "AA-T" or "AS-T" major.
- Minimum grade point average (GPA) of at least 2.0 in all CSU-transferable coursework. While a minimum of 2.0 is required for admission, some CSU campuses and majors may require a higher GPA. Please see a counselor for more information.
- Minimum grade of "C" or "P" or better for each course in the major. Students should review the Pass/No Pass acceptance policy of the transfer institution prior to requesting this grade option.
- Certified completion of the California General Education Transfer Curriculum (Cal-GETC) pattern.

Learning Outcome(s): Students who complete the Political Science Program will be able to:

1. Think critically in reading, writing, and/or speaking about topics in Political Science, thereby identifying problems, theses, arguments, evidence and conclusions.
2. Write or speak about topics in Political Science, thereby addressing problems, formulating theses, making arguments, analyzing and weighing evidence, and deriving conclusions.
3. Demonstrate an ability to understand one's role in society, take responsibility for one's own actions, and make ethical decisions in complex situations.
4. Articulate similarities and contrasts among cultures, times, and environments, demonstrating an understanding of cultural pluralism.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 3.0

POLS C1000	American Government and Politics	3.0
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CATEGORY A: SELECT THREE COURSES FROM THE FOLLOWING COURSE LIST. (9 UNITS):

Units: 9.0

POLI 103	Comparative Politics	3.0
POLI 124	Power and Justice: An Introduction to Political Theory	3.0
POLI 140	Contemporary International Politics	3.0
		3.0
POLI 201	Elementary Statistics for Political Science	3.0
OR		
BUSE 115	Statistics for Business	3.0
OR		
PSYC 258	Behavioral Science Statistics	3.0
OR		
STAT C1000	Introduction to Statistics	3.0

CATEGORY B: SELECT TWO COURSES FROM THE FOLLOWING COURSE LIST - OR ANY COURSE NOT SELECTED FROM CATEGORY A (6 UNITS):

Units: 6.0

POLI 101	Introduction to Political Science	3.0
POLI 121	American Political Development	3.0
POLI 123	Gender and Politics	3.0

Total: 18.0

POLITICAL SCIENCE - ASSOCIATE OF ARTS DEGREE: MESA

Summary

Political science is the study of human behavior as it relates to political situations. It involves the examination of institutions, processes, people, ideas and policies. The study of political science develops critical thinking, cultural literacy, and other skills important for an active and informed citizenry. The primary objectives of the Political Science program are to meet the American Institutions and general education requirements for associate and baccalaureate degrees.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Political Science Program will be able to:

1. Think critically in reading, writing, and/or speaking about topics in Political Science, thereby identifying problems, theses, arguments, evidence and conclusions.
2. Write or speak about topics in Political Science, thereby addressing problems, formulating theses, making arguments, analyzing and weighing evidence, and deriving conclusions.
3. Demonstrate an ability to understand one's role in society, take responsibility for one's own actions, and make ethical decisions in complex situations.
4. Articulate similarities and contrasts among cultures, times, and environments, demonstrating an understanding of cultural pluralism.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 3.0

POLS C1000	American Government and Politics	3.0
Select 15 units (5 courses) from the following:		Units: 15.0
POLI 101	Introduction to Political Science	3.0
POLI 103	Comparative Politics	3.0
POLI 121	American Political Development	3.0
POLI 123	Gender and Politics	3.0
POLI 124	Power and Justice: An Introduction to Political Theory	3.0
POLI 140	Contemporary International Politics	3.0
		3.0
POLI 201	Elementary Statistics for Political Science	3.0
OR		
PSYC 258	Behavioral Science Statistics	3.0
OR		
STAT C1000	Introduction to Statistics	3.0

Total: 18.0

PSYCHOLOGY - ASSOCIATE IN ARTS FOR TRANSFER DEGREE: MESA

Summary

The Associate in Arts in Psychology for Transfer is intended for students who plan to complete a bachelor's degree in Psychology or a related major in the California State University (CSU) system. It is accepted by some but not all CSU campuses. Students who complete this degree and transfer to a participating CSU campus will be required to complete no more than 60 units after transfer to earn a bachelor's degree. It may not be appropriate preparation for students transferring to a CSU campus that does not accept the degree.

NOTE: Students intending to transfer into this major at a CSU should consult with a counselor and visit www.assist.org for guidance on appropriate transfer coursework.

Award Notes:

The following is required for all AA-T or AS-T degrees:

- Completion of 60 semester units that are eligible for transfer to the California State University
- Completion of a minimum of 18 semester units in an "AA-T" or "AS-T" major.
- Minimum grade point average (GPA) of at least 2.0 in all CSU-transferable coursework. While a minimum of 2.0 is required for admission, some CSU campuses and majors may require a higher GPA. Please see a counselor for more information.
- Minimum grade of "C" or "P" or better for each course in the major. Students should review the Pass/No Pass acceptance policy of the transfer institution prior to requesting this grade option.
- Certified completion of the California General Education Transfer Curriculum (Cal-GETC) pattern.

Learning Outcome(s): Students who complete the Psychology Program will be able to:

1. Demonstrate critical thinking in reading, writing, and/or speaking about concepts and issues related to human behavior and mental processes using the scientific approach, thereby identifying problems, theses, arguments, evidence and conclusions.
2. Demonstrate effective writing and/or speaking about human behavior and mental processes (for example, formulating theses, making arguments, analyzing and weighing evidence, and deriving conclusions).
3. Demonstrate recognition of the significance of ethics and diversity in Psychological Science.
4. Compare and contrast different research methods used in Psychological Science; Demonstrate understanding of the applications and implications of technology and its appropriate uses.

Requirements

COURSES REQUIRED FOR THE MAJOR:**Units: 13.0**

PSYC C1000	Introduction to Psychology	3.0
PSYC 255	Introduction to Psychological Research	3.0
PSYC 258	Behavioral Science Statistics	3.0
		1.0
PSYC 259	Behavioral Science Statistics Laboratory	1.0
OR		
PSYC 259R	Statistics Laboratory Using R	1.0
PSYC 260	Introduction to Physiological Psychology	3.0

Select one of the following courses:**Units: 3.0-4.0**

PSYC 166	Introduction to Social Psychology	3.0
PSYC 230	Psychology of Lifespan Development	3.0
PSYC 245	Abnormal Psychology	3.0
PSYC 283	Introduction to Cognitive Psychology	3.0
ANTH 103	Introduction to Cultural Anthropology	3.0
BIOL 107	General Biology-Lecture and Laboratory	4.0
BIOL 210A	Introduction to the Biological Sciences I	4.0
SOCO 101	Principles of Sociology	3.0

Select at least 3 units from the following (not selected above):**Units: 3.0-5.0**

PSYC 111	Psychological/Social Aspects of Aging, Death, and Dying	3.0
PSYC 112	Interpersonal Relations	3.0
PSYC 121	Introduction to Child Psychology	3.0
PSYC 125	Introduction to Behavior Modification	3.0
PSYC 133	Psychology of Women	3.0
PSYC 135	Marriage and Family Relations	3.0
PSYC 137	Human Sexual Behavior	3.0
PSYC 155	Introduction to Personality	3.0
PSYC 161	Introduction to Counseling	3.0
PSYC 166	Introduction to Social Psychology	3.0
PSYC 201	Academic and Career Opportunities in Psychology	1.0
PSYC 211	Learning	3.0
PSYC 230	Psychology of Lifespan Development	3.0
PSYC 245	Abnormal Psychology	3.0
PSYC 255L	Introduction to Psychological Research Laboratory	1.0
PSYC 259	Behavioral Science Statistics Laboratory	1.0
PSYC 259R	Statistics Laboratory Using R	1.0
PSYC 260L	Introduction to Physiological Psychology Laboratory	1.0
PSYC 276	Field Work in Psychological Services	3.0
PSYC 283	Introduction to Cognitive Psychology	3.0
ANTH 102	Introduction to Biological Anthropology	3.0
ANTH 103	Introduction to Cultural Anthropology	3.0
BIOL 107	General Biology-Lecture and Laboratory	4.0
BIOL 210A	Introduction to the Biological Sciences I	4.0
CHIL 101	Human Growth and Development	3.0
ENGL 202	Introduction to Linguistics	3.0
MATH 150	Calculus with Analytic Geometry I	5.0
PHIL 101	Symbolic Logic	3.0
POLS C1000	American Government and Politics	3.0

PSYCHOLOGY - ASSOCIATE OF ARTS DEGREE: MESA

Summary

The Associate of Arts in Psychology Degree is intended for students who plan to complete a bachelor's degree in Psychology or a related major, seek employment using skills obtained as a Psychology major, or learn more about behavior and mental processes. Students intending to transfer should choose courses that align with requirements at the intended transfer institution. Students should also choose courses that align with their goals and interests.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Psychology Program will be able to:

1. Demonstrate critical thinking in reading, writing, and/or speaking about concepts and issues related to human behavior and mental processes using the scientific approach, thereby identifying problems, theses, arguments, evidence and conclusions.
2. Demonstrate effective writing and/or speaking about human behavior and mental processes (for example, formulating theses, making arguments, analyzing and weighing evidence, and deriving conclusions).
3. Demonstrate recognition of the significance of ethics and diversity in Psychological Science.
4. Compare and contrast different research methods used in Psychological Science; Demonstrate understanding of the applications and implications of technology and its appropriate uses.

Requirements

COURSES REQUIRED FOR THE MAJOR:		Units: 4.0
PSYC C1000	Introduction to Psychology	3.0
PSYC 201	Academic and Career Opportunities in Psychology	1.0

Select one of the following core courses:		Units: 3.0
PSYC 255	Introduction to Psychological Research	3.0
PSYC 276	Field Work in Psychological Services	3.0

Select one of the following courses:		Units: 3.0
PSYC 211	Learning	3.0
PSYC 260	Introduction to Physiological Psychology	3.0
PSYC 283	Introduction to Cognitive Psychology	3.0

Select one of the following courses:		Units: 3.0
PSYC 166	Introduction to Social Psychology	3.0
PSYC 230	Psychology of Lifespan Development	3.0
PSYC 245	Abnormal Psychology	3.0

Select at least 5 units from the following (not selected above):		Units: 5.0-6.0
PSYC 111	Psychological/Social Aspects of Aging, Death, and Dying	3.0
PSYC 112	Interpersonal Relations	3.0
PSYC 121	Introduction to Child Psychology	3.0
PSYC 125	Introduction to Behavior Modification	3.0

PSYC 133	Psychology of Women	3.0
PSYC 135	Marriage and Family Relations	3.0
PSYC 137	Human Sexual Behavior	3.0
PSYC 155	Introduction to Personality	3.0
PSYC 161	Introduction to Counseling	3.0
PSYC 166	Introduction to Social Psychology	3.0
PSYC 211	Learning	3.0
PSYC 230	Psychology of Lifespan Development	3.0
PSYC 245	Abnormal Psychology	3.0
PSYC 255	Introduction to Psychological Research	3.0
PSYC 255L	Introduction to Psychological Research Laboratory	1.0
PSYC 258	Behavioral Science Statistics	3.0
PSYC 259	Behavioral Science Statistics Laboratory	1.0
PSYC 259R	Statistics Laboratory Using R	1.0
PSYC 260	Introduction to Physiological Psychology	3.0
PSYC 260L	Introduction to Physiological Psychology Laboratory	1.0
PSYC 276	Field Work in Psychological Services	3.0
PSYC 283	Introduction to Cognitive Psychology	3.0

Total: 18.0-19.0

RADIOLOGIC TECHNOLOGY - ASSOCIATE OF SCIENCE DEGREE: MESA

Summary

The program prepares the student for certification as a full diagnostic radiologic technologist. Training includes radiographic equipment operation, exposure and image processing principles, radiographic procedures, radiation protection, patient care and directed clinical practice. The program runs for 24 months, including two summer sessions. Upon completion of the program, the student will be awarded a certificate of achievement and Associate of Science degree. Graduates of program are eligible to apply for certification by the American Registry of Radiologic Technologists and the state of California (CRT and Fluoroscopy). The program is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT).

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Radiologic Technology Program will be able to:

1. Adapt standard procedures for non-routine exams, modify patient care skills for the injured or critically ill patients, and adjust technical factors for pathology and non-routine exams.
2. Master entry-level skills in positioning, employ safe radiation practices on patients, self and others, and select appropriate technical factors for radiographic exams.
3. Maintain calm composure at all times, maintain compliance with all mandatory health and safety policies, and treat patients, visitors, physicians and staff with kindness and respect.
4. Communicate using professional language, accurately obtain patient histories and listen without judgment to patients, visitors, physicians, and staff.

Accreditation

The Radiologic Technology program is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT). Upon completion of the program, students will be awarded a certificate of achievement and Associate of Science degree. Graduates of the program are eligible to apply for certification by the American Registry of Radiologic Technologists and the state of California (CRT and Fluoroscopy). The San Diego Mesa College Radiologic Technology Program received a full 8 years of accreditation on March 25, 2020.

View the [Radiologic Technology Accreditation Award Letter](#)

View the [Program Information on JRCERT](#)

All inquiries about the program's accreditation status should be directed to:

JRCERT 20 N. Wacker Drive, Suite 2850
Chicago, IL 60606
312-704-5300
Fax 312-704-5304
mail@jrcert.org
<https://www.jrcert.org/>

For national certification eligibility, students must have earned an associate or higher degree from an institution that is regionally accredited and accredited by a mechanism acceptable to the [American Registry of Radiologic Technologists \(ARRT\)](#). The degree need not be in Radiologic Technology. Therefore, students must either already have an associate degree (or higher) that meets the ARRT requirement or have completed all of the general education requirements for an associate degree from Mesa College upon application to the program.

Directed Clinical Practice Requirement

Students accepted into this program will be required to successfully complete DCP, clinically-based courses held in health care facilities. These facilities require background checks which may include fingerprinting and drug screening, as a condition of placement at the clinic.

Refusal to submit to a background check, or failure to meet clearance criteria established by the health care facility, may prevent placement in DCP and thus, it may not be possible to successfully complete the program.

Health care facilities also require adherence to strict standards of conduct. Facilities may refuse educational access to any person who does not adhere to the facility's standards of safety, health and ethical behavior. This may be cause of removal from the program.

Admission Criteria

Eligibility for enrollment in this program is determined by a special admission procedure. Interested persons should review program information on the [website](#).

A grade of "C" or better must be maintained in all courses to continue in the program. Course repetition in this program is not permitted. The program is governed by the Allied Health Department Policies.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 71.0

RADT 60	Venipuncture for Radiology	0.5
RADT 70L	Orientation to X-Ray Equipment	0.5
RADT 86	Fluoroscopy and Radiation Safety	2.5
RADT 101	Basic Radiologic Technology	2.0
RADT 110	Recording Media	2.0
RADT 121	Radiographic Exposure	3.0
RADT 121C	Radiographic Exposure Laboratory	1.0
RADT 131	Patient Care	3.0
RADT 190	Radiographic Positioning I	1.0
RADT 190L	Radiographic Positioning-I Laboratory	1.0
RADT 192	Image Analysis for Radiologic Technology	2.0
RADT 201	Radiographic Positioning II	1.0
RADT 201L	Radiographic Positioning II Laboratory	1.0
RADT 210	Radiographic Positioning III	1.0
RADT 210L	Radiographic Positioning III Lab	1.0
RADT 221	Advanced Imaging Techniques	2.0
RADT 230	Radiologic Science	2.0
RADT 231	Pathology for Imaging Sciences	2.0

RADT 240	Radiation Biology	1.0
RADT 241	Sectional Anatomy	1.0
RADT 242	Organization of Radiology	1.0
RADT 256A	Directed Clinical Practice I	5.0
RADT 256B	Directed Clinical Practice II	7.5
RADT 256C	Directed Clinical Practice III	6.0
RADT 257A	Directed Clinical Practice IV	7.5
RADT 257B	Directed Clinical Practice V	7.5
RADT 257C	Directed Clinical Practice VI	6.0

Total: 71.0

RADIOLOGIC TECHNOLOGY - CERTIFICATE OF ACHIEVEMENT: MESA

Summary

The program prepares the student for certification as a full diagnostic radiologic technologist. Training includes radiographic equipment operation, exposure and image processing principles, radiographic procedures, radiation protection, patient care and directed clinical practice. The program runs for 24 months, including two summer sessions. Upon completion of the program, the student will be awarded a certificate of achievement and Associate of Science degree. Graduates of program are eligible to apply for certification by the American Registry of Radiologic Technologists and the state of California (CRT and Fluoroscopy). The program is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT).

Learning Outcome(s): Students who complete the Radiologic Technology Program will be able to:

1. Master entry-level skills in positioning, employ safe radiation practices on patients, self and others, and select appropriate technical factors for radiographic exams.
2. Communicate using professional language, accurately obtain patient histories and listen without judgment to patients, visitors, physicians, and staff.
3. Adapt standard procedures for non-routine exams, modify patient care skills for the injured or critically ill patients, and adjust technical factors for pathology and non-routine exams.
4. Maintain calm composure at all times, maintain compliance with all mandatory health and safety policies, and treat patients, visitors, physicians and staff with kindness and respect.

Accreditation

The Radiologic Technology program is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT). Upon completion of the program, students will be awarded a certificate of achievement and Associate of Science degree. Graduates of the program are eligible to apply for certification by the American Registry of Radiologic Technologists and the state of California (CRT and Fluoroscopy). The San Diego Mesa College Radiologic Technology Program received a full 8 years of accreditation on March 25, 2020.

View the [Radiologic Technology Accreditation Award Letter](#)

View the [Program Information on JRCERT](#)

All inquiries about the program's accreditation status should be directed to:

JRCERT 20 N. Wacker Drive, Suite 2850
Chicago, IL 60606
312-704-5300
Fax 312-704-5304
mail@jrcert.org
<https://www.jrcert.org/>

For national certification eligibility, students must have earned an associate or higher degree from an institution that is regionally accredited and accredited by a mechanism acceptable to the [American Registry of Radiologic Technologists \(ARRT\)](#). The degree need not be in Radiologic Technology. Therefore, students must either already

have an associate degree (or higher) that meets the ARRT requirement or have completed all of the general education requirements for an associate degree from Mesa College upon application to the program.

Directed Clinical Practice Requirement

Students accepted into this program will be required to successfully complete DCP, clinically-based courses held in health care facilities. These facilities require background checks which may include fingerprinting and drug screening, as a condition of placement at the clinic.

Refusal to submit to a background check, or failure to meet clearance criteria established by the health care facility, may prevent placement in DCP and thus, it may not be possible to successfully complete the program.

Health care facilities also require adherence to strict standards of conduct. Facilities may refuse educational access to any person who does not adhere to the facility's standards of safety, health and ethical behavior. This may be cause of removal from the program.

Admission Criteria

Eligibility for enrollment in this program is determined by a special admission procedure. Interested persons should review program information on the [website](#).

A grade of "C" or better must be maintained in all courses to continue in the program. Course repetition in this program is not permitted. The program is governed by the Allied Health Department Policies.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 71.0

RADT 60	Venipuncture for Radiology	0.5
RADT 70L	Orientation to X-Ray Equipment	0.5
RADT 86	Fluoroscopy and Radiation Safety	2.5
RADT 101	Basic Radiologic Technology	2.0
RADT 110	Recording Media	2.0
RADT 121	Radiographic Exposure	3.0
RADT 121C	Radiographic Exposure Laboratory	1.0
RADT 131	Patient Care	3.0
RADT 190	Radiographic Positioning I	1.0
RADT 190L	Radiographic Positioning-I Laboratory	1.0
RADT 192	Image Analysis for Radiologic Technology	2.0
RADT 201	Radiographic Positioning II	1.0
RADT 201L	Radiographic Positioning II Laboratory	1.0
RADT 210	Radiographic Positioning III	1.0
RADT 210L	Radiographic Positioning III Lab	1.0
RADT 221	Advanced Imaging Techniques	2.0
RADT 230	Radiologic Science	2.0
RADT 231	Pathology for Imaging Sciences	2.0
RADT 240	Radiation Biology	1.0
RADT 241	Sectional Anatomy	1.0
RADT 242	Organization of Radiology	1.0
RADT 256A	Directed Clinical Practice I	5.0
RADT 256B	Directed Clinical Practice II	7.5
RADT 256C	Directed Clinical Practice III	6.0
RADT 257A	Directed Clinical Practice IV	7.5
RADT 257B	Directed Clinical Practice V	7.5
RADT 257C	Directed Clinical Practice VI	6.0

Total: 71.0

REAL ESTATE - ASSOCIATE OF SCIENCE DEGREE: MESA

Summary

The Real Estate program offers a variety of courses which provide students with the technical and practical knowledge needed to succeed in the Real Estate industry. This includes courses that meet the State's educational requirements for the broker's examination and electives for the salesperson's license. Students planning to transfer to a four-year college or university should select the Business Administration major.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Real Estate Program will be able to:

1. Explain, analyze, interpret and synthesize real estate concepts, principles and data to evaluate problems, theses, arguments and evidence and to develop supportable conclusions.
2. Effectively articulate and respond to real estate information using recognized modes of real estate communication.
3. Recognize and respect the real estate opinions and perspectives of others and to enable effectively working with superiors, peers, and subordinates in organized group or team settings.
4. Identify, interpret, and apply industry ethics and Standards of Practice to real estate dealings and transactions.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 21.0

REAL 101	Real Estate Principles	3.0
REAL 105	Legal Aspects of Real Estate	3.0
REAL 110	Principles of Real Estate Appraisal I	3.0
REAL 115	Real Estate Finance	3.0
REAL 125	Real Estate Economics	3.0
REAL 120	Real Estate Practice	3.0
BUSE 119	Business Communications	3.0

Six to seven units to be selected from the following:

Units: 6.0-7.0

ACCT 116A	Financial Accounting	4.0
BUSE 140	Business Law and the Legal Environment	3.0
REAL 130	Real Property Management	3.0

Total: 27.0-28.0

RETAIL MANAGEMENT - CERTIFICATE OF ACHIEVEMENT: MESA

Summary

The Retail Management Certificate of Achievement assists students in their development of core competencies required for managerial success in the retail industry. Through delivering relevant, practical content that elevates industry skill level, students develop key foundational skills that can be applied immediately. This certificate prepares students to take a leadership role within the organization. Drawing on the expertise of faculty in the School of Business and Technology, students in this program develop educational knowledge and technical competence in key areas of such as human resources and organizational behavior, technology, business communications, management, marketing, human resources, financial management and retail management. This certificate program is certified by the Western Association of Food Chains (WAFC) and is further endorsed by state and national associations such as the Food Marketing Institute (FMI) and the National Grocers Association (NGA).

Learning Outcome(s): Students who complete the Retail Management Program will be able to:

1. Develop an understanding of business and the business environment, locally and globally, with an awareness of markets, finance and feasibility.
2. Analyze business problems, including uses of technology, issues of sustainability, and ethics, while comparing costs and benefits.
3. Communicate effectively in business with text and images utilizing traditional, digital, and developing media.
4. Network with peers and mentors on campus and in local businesses.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 24.0-26.0

		3.0-4.0
ACCT 116A	Financial Accounting	4.0
OR		
BUSE 101	Business Mathematics	3.0
BUSE 119	Business Communications	3.0
BUSE 150	Human Relations in Business	3.0
BUSE 201	Business Organization and Management	3.0
BUSE 210	Human Resources Management	3.0
		3.0-4.0
CBTE 180	Microsoft Office	3.0
OR		
CISC 181	Principles of Information Systems	4.0
MARK 100	Principles of Marketing	3.0
MARK 110	Principles of Retailing	3.0

Total: 24.0-26.0

RETAIL STORE ASSOCIATE - CERTIFICATE OF PERFORMANCE: MESA

Summary

This certificate prepares students for a broad range of entry-level positions within the retail industry. Students learn interpersonal communication, intergroup communication and relational skills as well as on-the-job technical skills through practical work experience in the retail industry. It also serves as a precursor for the Retail Management Certificate of Achievement.

Award Notes:

A Certificate of Performance is a departmental award that does not appear on the student's transcript. All courses must be completed within the San Diego Community College District.

This program is not eligible for federal financial aid in accordance with Federal regulations.

Learning Outcome(s): Students who complete the Retail Store Associate Program will be able to:

1. Develop an understanding of business and the business environment, locally and globally, with an awareness of markets, finance and feasibility.
2. Analyze business problems, including uses of technology, issues of sustainability, and ethics, while comparing costs and benefits.
3. Communicate effectively in business with text and images utilizing traditional, digital, and developing media.
4. Network with peers and mentors on campus and in local businesses.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 6.0

BUSE 150	Human Relations in Business	3.0
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SELF-ADVOCACY AND SOCIAL AWARENESS - CERTIFICATE OF ACHIEVEMENT: MESA

Summary

This certificate of achievement uses an interdisciplinary approach that starts with self-awareness, personal development, and communication skills, so that students can effectively communicate, convey, negotiate or assert their own interests, desires, needs and rights. Required courses in United States history from various perspectives and courses in multicultural studies, environmental and social justice develop awareness of these issues in the larger community. Students can then apply their self-advocacy and social awareness skills to make meaningful contributions as global citizens.

Learning Outcome(s): Students who complete the Self-Advocacy and Social Awareness Program will be able to:

1. Display enhanced self-respect, positive self-image, and effective self-advocacy.
2. Build cross-cultural, interpersonal, and professional communication skills.
3. Apply communication skills, critical thinking, and knowledge of multicultural studies, and environmental and social justice as a global citizen.

Requirements

Personal Development and Self-Advocacy - Select 4.5 - 6 units (2 courses) from the following:

Units: 4.5-6.0

PERG 110	Introduction to College	1.5
PERG 120	College Success and Lifelong Learning	3.0
PERG 130	Career - Life Planning	3.0
PERG 140	Life Skills and Personal Adjustment	3.0
PERG 160	Stress Management & Well-Being in the Modern World	3.0

Communication Skills - Select 3 units (1 course) from the following:

Units: 3.0

COMM C1000	Introduction to Public Speaking	3.0
COMS 135	Interpersonal Communication	3.0
COMS 170	Small Group Communication	3.0
COMS 180	Intercultural Communication	3.0

US History from Various Perspectives - Select 3 units (1 course) from the following:

Units: 3.0

BLAS 140A	African American History to Reconstruction	3.0
BLAS 140B	African American History since Reconstruction to the Present	3.0
CHIC 141A	United States History from a Chicano Perspective	3.0
CHIC 141B	United States History from a Chicano Perspective	3.0
HIST 115A	History of the Americas I	3.0
HIST 115B	History of the Americas II	3.0
HIST 123	U.S. History from the Asian Pacific American Perspective	3.0
HIST 150	Native Americans in United States History I	3.0
HIST 151	Native Americans in United States History II	3.0

Multicultural Studies and Environmental and Social Justice - Select 6 units (2 courses not selected above) from 2 different subject areas

Units: 6.0

AAPI 124	Introduction to Asian American and Pacific Islander Studies	3.0
AAPI 125	Asian American and Pacific Islander Identities and Cultures	3.0
AAPI 130	Asian American and Pacific Islander Women	3.0
AMSL 150	Introduction to Deaf Culture	3.0
ANTH 103	Introduction to Cultural Anthropology	3.0
ANTH 117	Anthropology of Gender and Sexuality	3.0
ARTF 108	Women in Art	3.0
ARTF 120	Native American Art	3.0
ARTF 188	Women and Gender in Photography	3.0
ARTF 191	Cultural Influences on Photography	3.0
BIOL 120	The Environment of Man	3.0
BLAS 100	Introduction to Black Studies	3.0
BLAS 104	Black Psychology	3.0
BLAS 110	African American Art	3.0
BLAS 116	Contemporary Social Problems from a Black Perspective	3.0
BLAS 125	Dynamics of the Black Community	3.0
BLAS 130	The Black Family	3.0
BLAS 140A	African American History to Reconstruction	3.0
BLAS 140B	African American History since Reconstruction to the Present	3.0
BLAS 150	Black Women in Literature, Film and the Media	3.0
BLAS 155	African American Literature	3.0
BLAS 165	Sexuality and Black Culture	3.0
BLAS 175	Psycho-History of Racism and Sexism	3.0
CHEM 111	Chemistry in Society	3.0
CHIC 110A	Introduction to Chicana and Chicano Studies	3.0
CHIC 110B	Introduction to Chicana and Chicano Studies	3.0
CHIC 135	Chicana/o Literature	3.0
CHIC 140	Chicana/o Sociology	3.0
CHIC 141A	United States History from a Chicano Perspective	3.0
CHIC 141B	United States History from a Chicano Perspective	3.0
CHIC 170	La Chicana	3.0
CHIC 190	Chicano Images in Film	3.0
CHIC 210	Chicano Culture	3.0
CHIC 230	Chicano Art	3.0
CHIL 101	Human Growth and Development	3.0
CHIL 141	The Child, Family and Community	3.0
COMS 180	Intercultural Communication	3.0
ENGL 230	Asian American Literature	3.0
ENGL 234	Hip Hop Literature: A Poetry Class	3.0
FASH 122	Ethnic Costume	3.0
FILI 100	Filipino American Experience	3.0
HEAL 104	Public Health and Social Justice	3.0
HIST 115A	History of the Americas I	3.0
HIST 115B	History of the Americas II	3.0
HIST 123	U.S. History from the Asian Pacific American Perspective	3.0
HIST 141	Women in United States History I	3.0
HIST 142	Women in United States History II	3.0
HIST 150	Native Americans in United States History I	3.0
HIST 151	Native Americans in United States History II	3.0
HUMA 106	World Religions	3.0

MUSI 117	Music in the United States	3.0
MUSI 126	Rap Music and Hip Hop Culture	3.0
NUTR 153	Cultural Foods	3.0
PHIL 126	Philosophy of Contemporary Gender Issues	3.0
PHIL 131	Environmental Ethics	3.0
POLI 121	American Political Development	3.0
POLI 123	Gender and Politics	3.0
PSYC 133	Psychology of Women	3.0
PSYC 166	Introduction to Social Psychology	3.0
PSYC 230	Psychology of Lifespan Development	3.0
SOCO 101	Principles of Sociology	3.0
SOCO 110	Contemporary Social Problems	3.0
SOCO 125	Sociology of the Family	3.0
SOCO 150	Sociology of Latinos/Latinas	3.0
SOCO 207	Introduction to Race and Ethnicity	3.0
SOCO 223	Globalization and Social Change	3.0
SUST 101	Introduction to Sustainability	3.0
WMNS 101	Introduction to Gender and Women's Studies	3.0

¹If not select previously from other categories.

Total: 16.5-18.0

SMALL BUSINESS MANAGEMENT AND ENTREPRENEURSHIP - ASSOCIATE OF SCIENCE DEGREE: MESA

Summary

The Associate of Science Degree in Small Business Management and Entrepreneurship will assist students in meeting their goals for business education, business start-up and growth. The Associate Degree prepares students for business ownership, including planning, launching, and managing a business. Students develop a broad foundation of principles, while focusing on key industries in which they may operate. Curriculum exposes students to operations, management, finance, marketing, and other skills necessary for sustained success. Entrepreneurship is, by definition, an interdisciplinary practice, and this program is designed to provide students with essential skills that will help them succeed as business owners in their field of choice.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Small Business Management and Entrepreneurship Program will be able to:

1. Develop an understanding of business and the business environment, locally and globally, with an awareness of markets, finance and feasibility.
2. Analyze business problems, including uses of technology, issues of sustainability, and ethics, while comparing costs and benefits.
3. Communicate effectively in business with text and images utilizing traditional, digital, and developing media.
4. Network with peers and mentors on campus and in local businesses.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 45.0

BUSE 100	Introduction to Business	3.0
BUSE 119	Business Communications	3.0

MARK 100	Principles of Marketing	3.0
BUSE 155	Small Business Management	3.0
BUSE 150	Human Relations in Business	3.0
BUSE 140	Business Law and the Legal Environment	3.0
BUSE 129	Introduction to Entrepreneurship	3.0
ACCT 116A	Financial Accounting	4.0
ACCT 116B	Managerial Accounting	4.0
CISC 181	Principles of Information Systems	4.0
ECON 120	Principles of Macroeconomics	3.0
ECON 121	Principles of Microeconomics	3.0
BUSE 115	Statistics for Business	3.0
MATH 121	Basic Techniques of Applied Calculus I	3.0

Total: 45.0

SMALL BUSINESS MANAGEMENT AND ENTREPRENEURSHIP - CERTIFICATE OF ACHIEVEMENT: MESA

Summary

The Certificate of Achievement in Small Business Management and Entrepreneurship will assist students in meeting their goals for business education, business start-up and growth. The certificate prepares students for business ownership, including planning, launching, and managing a business. Students develop a broad foundation of principles, while focusing on key industries in which they may operate. Curriculum exposes students to operations, management, finance, marketing, and other skills necessary for sustained success. Entrepreneurship is, by definition, an interdisciplinary practice, and this program is designed to provide students with essential skills that will help them succeed as business owners in their field of choice.

Learning Outcome(s): Students who complete the Small Business Management and Entrepreneurship Program will be able to:

1. Develop an understanding of business and the business environment, locally and globally, with an awareness of markets, finance and feasibility.
2. Analyze business problems, including uses of technology, issues of sustainability, and ethics, while comparing costs and benefits.
3. Communicate effectively in business with text and images utilizing traditional, digital, and developing media.
4. Network with peers and mentors on campus and in local businesses.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 18.0

BUSE 119	Business Communications	3.0
MARK 100	Principles of Marketing	3.0
BUSE 129	Introduction to Entrepreneurship	3.0
BUSE 155	Small Business Management	3.0
ACCT 150	Computer Accounting Applications	3.0
BUSE 150	Human Relations in Business	3.0

Total: 18.0

SOCIAL SCIENCES-GENERAL - ASSOCIATE OF ARTS DEGREE: MESA

Summary

The general Social Sciences major is designed to provide the student with an introduction to the varied disciplines of the Social Sciences and Humanities. Students who intend to transfer to a four-year college or university are urged to plan their programs carefully in conjunction with the requirements of the target school. The general Social Sciences major is also an excellent choice for the undecided student who simply wants to complete lower-division General Education requirements with a solid Liberal Arts preparation. More specific Social Sciences and Humanities concentrations are provided in Geography, History, Philosophy, and Political Science majors. It is easy to make the transition from the general Social Sciences major to one of the specific concentrations if the decision is made early in the students academic career. The Social Sciences majors (general and specific) prepare the student for upper-division work in the various Social Sciences disciplines leading to advanced degrees and/or careers in public administration, business, teaching, research, etc.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Social Sciences-General Program will be able to:

1. Think critically about social relations by framing questions; forming hypotheses; gathering, weighing, and interpreting evidence; and deriving conclusions.
2. Communicate effectively about social relations in written, oral, and other expressive forms.
3. Demonstrate global awareness and an understanding of one's role in society when making complex decisions related to social relations.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 6.0

		6.0
		6.0
HIST 100	World History I	3.0
AND		
HIST 101	World History II	3.0
OR		
		6.0
HIST 105	Introduction to Western Civilization I	3.0
AND		
HIST 106	Introduction to Western Civilization II	3.0

Select two six-unit sequences (four classes total) from the following:

Units: 12.0

		6.0
AAPI 124	Introduction to Asian American and Pacific Islander Studies	3.0
AND		
HIST 123	U.S. History from the Asian Pacific American Perspective	3.0
		6.0
BLAS 140A	African American History to Reconstruction	3.0
AND		
BLAS 140B	African American History since Reconstruction to the Present	3.0
		6.0
CHIC 141A	United States History from a Chicano Perspective	3.0
AND		
CHIC 141B	United States History from a Chicano Perspective	3.0
		6.0
GEOG 102	Cultural Geography	3.0

AND GEOG 104	World Regional Geography	3.0
		6.0
HIST 109	History of the United States I	3.0
AND HIST 110	History of the United States History II	3.0
		6.0
HIST 115A	History of the Americas I	3.0
AND HIST 115B	History of the Americas II	3.0
		6.0
HIST 141	Women in United States History I	3.0
AND HIST 142	Women in United States History II	3.0
		6.0
HIST 150	Native Americans in United States History I	3.0
AND HIST 151	Native Americans in United States History II	3.0
		6.0
PHIL 102A	Introduction to Philosophy: Reality and Knowledge	3.0
AND PHIL 102B	Introduction to Philosophy: Values	3.0
		6.0
PHIL 104A	History Of Western Philosophy: Ancient to Medieval	3.0
AND PHIL 104B	History of Western Philosophy: Modern to Contemporary	3.0
		6.0
POLI 101	Introduction to Political Science	3.0
AND POLS C1000	American Government and Politics	3.0
		6.0
POLI 103	Comparative Politics	3.0
AND POLI 140	Contemporary International Politics	3.0
		6.0
PHIL 125	Philosophy of Women	3.0
AND WMNS 101	Introduction to Gender and Women's Studies	3.0

¹Only one sequence of two History (HIST) courses may be selected.

²Only one sequence of two Philosophy (PHIL) courses may be selected.

³Only one sequence of two Political Science (POLI) courses may be selected.

Total: 18.0

SOCIOLOGY - ASSOCIATE IN ARTS FOR TRANSFER DEGREE: MESA

Summary

The Associate in Arts in Sociology for Transfer is intended for students who plan to complete a bachelor's degree in Sociology or a related major in the California State University (CSU) system. It is accepted by some but not all CSU campuses. Students who complete this degree and transfer to a participating CSU campus will be required to complete no more than 60 units after transfer to earn a bachelor's degree. It may not be appropriate preparation for students transferring to a CSU campus that does not accept the degree.

NOTE: Students intending to transfer into this major at a CSU should consult with a counselor and visit www.assist.org for guidance on appropriate transfer coursework.

Award Notes:

The following is required for all AA-T or AS-T degrees:

- Completion of 60 semester units that are eligible for transfer to the California State University
- Completion of a minimum of 18 semester units in an "AA-T" or "AS-T" major.
- Minimum grade point average (GPA) of at least 2.0 in all CSU-transferable coursework. While a minimum of 2.0 is required for admission, some CSU campuses and majors may require a higher GPA. Please see a counselor for more information.
- Minimum grade of "C" or "P" or better for each course in the major. Students should review the Pass/No Pass acceptance policy of the transfer institution prior to requesting this grade option.
- Certified completion of the California General Education Transfer Curriculum (Cal-GETC) pattern.

Learning Outcome(s): Students who complete the Sociology Program will be able to:

1. Think critically in reading, writing, and/or speaking about topics in Sociology, with a focus on collective, as opposed to individualistic, explanations of human behavior, and an emphasis on the roles of social structure, culture, and social interaction in shaping behavior, both historically and cross-culturally, thereby identifying problems, theses, arguments, evidence and conclusions.
2. Write or speak about topics in Sociology, with a focus on collective, as opposed to individualistic, explanations of human behavior, and an emphasis on the roles of social structure, culture, and social interaction in shaping behavior, both historically and cross-culturally, thereby addressing problems, formulating theses, making arguments, analyzing and weighing evidence, and deriving conclusions.
3. Demonstrate an ability to understand one's role in society, explain how the theoretical underpinnings of sociology explicitly challenge currently dominant ideologies like individualism and radical subjectivism, and make ethical decisions in complex situations.
4. Articulate similarities and contrasts among cultures and global political and economic systems, and demonstrate an understanding of cultural pluralism.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 9.0

SOCO 101	Principles of Sociology	3.0
SOCO 110	Contemporary Social Problems	3.0
		3.0
PSYC 258	Behavioral Science Statistics	3.0
OR		
BIOL 200	Biological Statistics	3.0
OR		
STAT C1000	Introduction to Statistics	3.0
OR		
POLI 201	Elementary Statistics for Political Science	3.0

Category A: Select 6 units (2 courses) from the following:

Units: 6.0

		3.0
SOCO 220	Introduction to Research Methods in Sociology	3.0
OR		
PSYC 255	Introduction to Psychological Research	3.0
SOCO 125	Sociology of the Family	3.0
SOCO 207	Introduction to Race and Ethnicity	3.0

Category B: Select 3 units (1 course) from the following:

Units: 3.0

SOCO 145	Health and Society	3.0
SOCO 150	Sociology of Latinos/Latinas	3.0
SOCO 201	Advanced Principles of Sociology	3.0
SOCO 223	Globalization and Social Change	3.0

Total: 18.0

SOCIOLOGY - ASSOCIATE OF ARTS DEGREE: MESA

Summary

The Sociology Program is suited to the needs of both the two-year student and the transfer student who wish to major or minor in Sociology or related fields. It is designed to provide the student with a greater understanding of human interactions, social processes, and social structures.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Sociology Program will be able to:

1. Think critically in reading, writing, and/or speaking about topics in Sociology, with a focus on collective, as opposed to individualistics, explanations of human behavior, and an emphasis on the roles of social structure, culture, and social interaction in shaping behavior, both historically and cross-culturally, thereby identifying problems, theses, arguments, evidence and conclusions.
2. Write or speak about topics in Sociology, with a focus on collective, as opposed to individualistic, explanations of human behavior, and an emphasis on the roles of social structure, culture, and social interaction in shaping behavior, both historically and cross-culturally, thereby addressing problems, formulating theses, making arguments, analyzing and weighing evidence, and deriving conclusions.
3. Demonstrate an ability to understand one's role in society, explain how the theoretical underpinnings of sociology explicitly challenge currently dominant ideologies like individualism and radical subjectivism, and make ethical decisions in complex situations.
4. Articulate similarities and contrasts among cultures and global political and economic systems, and demonstrate an understanding of cultural pluralism.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 6.0

SOCO 101	Principles of Sociology	3.0
SOCO 110	Contemporary Social Problems	3.0

Select 12 units (4 courses) from the following:

Units: 12.0

SOCO 125	Sociology of the Family	3.0
SOCO 145	Health and Society	3.0
SOCO 150	Sociology of Latinos/Latinas	3.0
SOCO 201	Advanced Principles of Sociology	3.0

SOCO 207	Introduction to Race and Ethnicity	3.0
		3.0
SOCO 220	Introduction to Research Methods in Sociology	3.0
OR		
PSYC 255	Introduction to Psychological Research	3.0
SOCO 223	Globalization and Social Change	3.0
SOCO 270	Work Experience	3.0

Total: 18.0

SOFTWARE ENGINEERING FOUNDATIONS - CERTIFICATE OF ACHIEVEMENT: MESA

Summary

The Software Engineering Foundations Certificate of Achievement prepares students for programming projects that span multiple people, multiple libraries, and multiple technologies. The award curriculum is structured to provide students with a strong foundation in programming and software development theory, and culminates with a large-scale software implementation. As part of this certificate students are exposed to software industry tools and workflows. Students apply those tools and workflows to handle tasks such as requirements development, code design, version control, code reviewing, code debugging, quality assurance, time management and project tracking. This award is beneficial in assisting internship placement, provides avenues for career advancement, and facilitates achievement of a computer science bachelor's degree, which is the standard for software industry positions.

Learning Outcome(s): Students who complete the Software Engineering Foundations Program will be able to:

1. Evaluate and apply appropriate technology to support specific business activities and business solutions.
2. Analyze specific business or information technology problems or situations and identify possible solutions, including predictive analysis, synthesis of information, resourcefulness, and troubleshooting.
3. Choose the appropriate mode of communication for a specific situation and then communicate ideas, concepts, and solutions through effective written and oral communication.

Requirements

COURSES REQUIRED FOR THE MAJOR:		Units: 11.0
CISC 210	System Analysis and Design	3.0
CISC 220	Fundamentals of Computer Game Programming	4.0
CISC 221	Intermediate Computer Game Programming	4.0

Select 8 units from the following course pairings:		Units: 8.0
		8.0
		8.0
CISC 179	Introduction to Python Programming	4.0
AND		
CISC 217	Intermediate Python Programming	4.0
OR		
		8.0
CISC 192	C/C++ Programming	4.0
AND		
CISC 187	Data Structures in C++	4.0

OR			
CISC 192	C/C++ Programming		8.0
			4.0
AND			
CISC 205	Object Oriented Programming using C++		4.0
OR			
CISC 193	Microsoft C# Software Engineering 1		8.0
			4.0
AND			
CISC 197	Microsoft C# Software Engineering II		4.0

Total: 19.0

SPANISH - ASSOCIATE IN ARTS FOR TRANSFER DEGREE: MESA

Summary

The Associate in Arts in Spanish for Transfer is intended for students who plan to complete a bachelor's degree in Spanish or a related major in the California State University (CSU) system. It is accepted by some but not all CSU campuses. Students who complete this degree and transfer to a participating CSU campus will be required to complete no more than 60 units after transfer to earn a bachelor's degree. It may not be appropriate preparation for students transferring to a CSU campus that does not accept the degree.

NOTE: Students intending to transfer into this major at a CSU should consult with a counselor and visit www.assist.org for guidance on appropriate transfer coursework.

Award Notes:

The following is required for all AA-T or AS-T degrees:

- Completion of 60 semester units that are eligible for transfer to the California State University
- Completion of a minimum of 18 semester units in an "AA-T" or "AS-T" major.
- Minimum grade point average (GPA) of at least 2.0 in all CSU-transferable coursework. While a minimum of 2.0 is required for admission, some CSU campuses and majors may require a higher GPA. Please see a counselor for more information.
- Minimum grade of "C" or "P" or better for each course in the major. Students should review the Pass/No Pass acceptance policy of the transfer institution prior to requesting this grade option.
- Certified completion of the California General Education Transfer Curriculum (Cal-GETC) pattern.

Learning Outcome(s): Students who complete the Spanish Program will be able to:

1. Demonstrate level-appropriate proficiency on the ACTFL scale in understanding, speaking, reading, and writing of the targeted language.
2. Utilize targeted language skills to complete a general program of lower division coursework, pursue language study at the transfer level, for personal enrichment, or for professional development.
3. Apply knowledge of and sensitivity to aspects of behavior, attitudes, and values of targeted language-speaking countries to connect with the global community.

Requirements

COURSES REQUIRED FOR THE MAJOR - Select one emphasis below:

Units: 20.0

Beginning Spanish Speaker Emphasis

SPAN 101	First Course in Spanish	5.0
SPAN 102	Second Course in Spanish	5.0
SPAN 201	Third Course in Spanish	5.0

SPAN 202	Fourth Course in Spanish	5.0
Note: Students with more advanced language skills should substitute other Spanish courses for SPAN 101 and/or SPAN 102.		

Heritage Speaker Emphasis

SPAN 215	Spanish for Spanish Speakers I	5.0
SPAN 216	Spanish for Spanish Speakers II	5.0
SPAN 221	Hispanic Literature for Spanish Speakers	5.0
SPAN 222	Hispanic Culture and Civilization for Spanish Speakers	5.0

Category A: Select one of the following courses (3 - 5 units):

Units: 3.0-5.0

SPAN 210	Conversation and Composition Spanish I	3.0
SPAN 211	Conversation and Composition Spanish II	3.0
AMSL 120	American Sign Language Level I	5.0
AMSL 121	American Sign Language Level II	5.0
AMSL 220	American Sign Language Level III	5.0
AMSL 221	American Sign Language Level IV	5.0
CHIN 101	First Course in Mandarin Chinese	5.0
CHIN 102	Second Course in Mandarin Chinese	5.0
CHIN 201	Third Course in Mandarin Chinese	5.0
CHIN 202	Fourth Course in Mandarin Chinese	5.0
FREN 101	First Course in French	5.0
FREN 102	Second Course in French	5.0
FREN 201	Third Course in French	5.0
FREN 202	Fourth Course in French	5.0
GERM 101	First Course in German	5.0
GERM 102	Second Course in German	5.0
GERM 201	Third Course in German	5.0
ITAL 101	First Course in Italian	5.0
ITAL 102	Second Course in Italian	5.0
ITAL 201	Third Course in Italian	5.0
JAPN 101	First Course in Japanese	5.0
JAPN 102	Second Course in Japanese	5.0
JAPN 201	Third Course in Japanese	5.0
JAPN 202	Fourth Course in Japanese	5.0
RUSS 101	First Course in Russian	5.0
RUSS 102	Second Course in Russian	5.0
RUSS 201	Third Course in Russian	5.0
VIET 101	First Course in Vietnamese	5.0
VIET 102	Second Course in Vietnamese	5.0
VIET 201	Third Course in Vietnamese	5.0
ENGL C1001	Critical Thinking and Writing	3.0
PHIL 205	Critical Thinking and Writing in Philosophy	3.0

Total: 23.0-25.0

SPANISH - ASSOCIATE OF ARTS DEGREE: MESA

Summary

This degree is intended for students who have learned Spanish primarily in a classroom setting.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Spanish Program will be able to:

1. Demonstrate level-appropriate proficiency on the ACTFL scale in understanding, speaking, reading, and writing of the targeted language.
2. Utilize targeted language skills to complete a general program of lower division coursework, pursue language study at the transfer level, for personal enrichment, or for professional development.
3. Apply knowledge of and sensitivity to aspects of behavior, attitudes, and values of targeted language-speaking countries to connect with the global community.

Requirements**COURSES REQUIRED FOR THE MAJOR:****Units:** 21.0

SPAN 102	Second Course in Spanish	5.0
SPAN 201	Third Course in Spanish	5.0
SPAN 202	Fourth Course in Spanish	5.0
SPAN 210	Conversation and Composition Spanish I	3.0
SPAN 211	Conversation and Composition Spanish II	3.0

Total: 21.0

SPANISH FOR SPANISH SPEAKERS - ASSOCIATE OF ARTS DEGREE: MESA

Summary

This degree is intended for students who are already proficient in spoken, informal Spanish acquired from their family background.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Spanish for Spanish Speakers Program will be able to:

1. Demonstrate level-appropriate proficiency on the ACTFL scale in understanding, speaking, reading, and writing of the targeted language.
2. Utilize targeted language skills to complete a general program of lower division coursework, pursue language study at the transfer level, for personal enrichment, or for professional development.
3. Apply knowledge of and sensitivity to aspects of behavior, attitudes, and values of targeted language-speaking countries to connect with the global community.

Requirements**COURSES REQUIRED FOR THE MAJOR:****Units:** 20.0

SPAN 215	Spanish for Spanish Speakers I	5.0
SPAN 216	Spanish for Spanish Speakers II	5.0
SPAN 221	Hispanic Literature for Spanish Speakers	5.0
SPAN 222	Hispanic Culture and Civilization for Spanish Speakers	5.0

Total: 20.0

STUDIO ARTS - ASSOCIATE IN ARTS FOR TRANSFER DEGREE: MESA

Summary

The Associate in Arts in Studio Arts for Transfer is intended for students who plan to complete a bachelor's degree in Studio Arts or a related major in the California State University (CSU) system. It is accepted by some but not all CSU campuses. Students who complete this degree and transfer to a participating CSU campus will be required to complete no more than 60 units after transfer to earn a bachelor's degree. It may not be appropriate preparation for students transferring to a CSU campus that does not accept the degree.

NOTE: Students intending to transfer into this major at a CSU should consult with a counselor and visit www.assist.org for guidance on appropriate transfer coursework.

Award Notes:

The following is required for all AA-T or AS-T degrees:

- Completion of 60 semester units that are eligible for transfer to the California State University
- Completion of a minimum of 18 semester units in an "AA-T" or "AS-T" major.
- Minimum grade point average (GPA) of at least 2.0 in all CSU-transferable coursework. While a minimum of 2.0 is required for admission, some CSU campuses and majors may require a higher GPA. Please see a counselor for more information.
- Minimum grade of "C" or "P" or better for each course in the major. Students should review the Pass/No Pass acceptance policy of the transfer institution prior to requesting this grade option.
- Certified completion of the California General Education Transfer Curriculum (Cal-GETC) pattern.

Learning Outcome(s): Students who complete the Studio Arts Program will be able to:

1. Expand the vision of the role of art in the greater culture. Students will develop an awareness of cultural diversity (and its use/effect on art-making).
2. Engage visual art as defined in a progression of change.
3. Apply critical thinking in visual terms.
4. Employ art concepts and terminology effectively. Students will develop the ability to understand the creative process of art-making.
5. Understand materials, methods and techniques both historical and contemporary and the contexts in which they are employed. Students will be assessed through a combination of performance evaluations, written assignments, and written tests and quizzes.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 12.0

ARTF 111	Art History: Renaissance to Modern	3.0
ARTF 150A	Two-Dimensional Design	3.0
ARTF 151	Three-Dimensional Design	3.0
ARTF 155A	Freehand Drawing I	3.0

CATEGORY A: SELECT ONE OF THE FOLLOWING COURSES (3 UNITS):

Units: 3.0

ARTF 110	Art History: Prehistoric to Gothic	3.0
ARTF 113	Arts of Africa, Oceania, and the Americas	3.0
ARTF 120	Native American Art	3.0
ARTF 125	Art History: Arts of the Asian Continent	3.0

CATEGORY B: SELECT THREE OF THE FOLLOWING COURSES (9 UNITS)

Units: 9.0

ARTF 109	Modern Art	3.0
ARTF 150B	Beginning Graphic Design	3.0
ARTF 152	Color Theory	3.0
ARTF 155B	Freehand Drawing II	3.0
ARTF 165A	Composition in Painting I	3.0
ARTF 165B	Composition in Painting II	3.0
ARTF 165C	Composition in Painting III	3.0

ARTF 165D	Composition in Painting IV	3.0
ARTF 174A	Book Arts I	3.0
ARTF 175A	Sculpture I	3.0
ARTF 175B	Sculpture II	3.0
ARTF 175C	Sculpture III	3.0
ARTF 190A	Black and White Art Photography	3.0
ARTF 191	Cultural Influences on Photography	3.0
ARTF 194	Critical Photography	3.0
ARTF 195A	Ceramics I	3.0
ARTF 195B	Ceramics II	3.0
ARTF 197A	Handbuilding Ceramics I	3.0
ARTF 197B	Handbuilding Ceramics II	3.0
ARTF 198A	Introduction to Printmaking I	3.0
ARTF 198B	Introduction to Printmaking II	3.0
ARTF 198C	Introduction to Printmaking III	3.0
ARTF 210A	Life Drawing I	3.0
ARTF 210B	Life Drawing II	3.0
ARTF 210C	Life Drawing III	3.0
ARTF 220A	Life Sculpture I	3.0
ARTF 220B	Life Sculpture II	3.0
ARTF 220C	Life Sculpture III	3.0
ARTF 231	Introduction to Digital Art	3.0
ARTF 233	Introduction to Digital Photographic Imaging	3.0
MULT 100	Introduction to Visual Communication	3.0

Total: 24.0

SUSTAINABILITY - ASSOCIATE OF ARTS DEGREE: MESA

Summary

Sustainability provides students with an interdisciplinary understanding of the biological, social, and economic considerations of issues related to the environment and environmental degradation.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Sustainability Program will be able to:

1. Analyze practical and theoretical issues related to sustainability from current and historical perspectives.
2. Evaluate perspectives of diverse stakeholders regarding a wide range of sustainability issues.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 12.0

SUST 101	Introduction to Sustainability	3.0
GEOG 101	Physical Geography	3.0
ECON 121	Principles of Microeconomics	3.0
		3.0
BIOL 200	Biological Statistics	3.0
OR		
BUSE 115	Statistics for Business	3.0
OR		

STAT C1000	Introduction to Statistics	3.0
OR		
PHIL 101	Symbolic Logic	3.0
OR		
PSYC 258	Behavioral Science Statistics	3.0
OR		
POLI 201	Elementary Statistics for Political Science	3.0

Select 3 units from the following:

Units: 3.0

PHIL 131	Environmental Ethics	3.0
ECON 220	Economics of the Environment	3.0

Select 3 - 5 units from the following:

Units: 3.0-5.0

PHIL 131	Environmental Ethics	3.0
ECON 220	Economics of the Environment	3.0
SUST 270	Sustainability Work Experience	1.0-4.0
BUSE 190	Academic and Career Opportunities in Business	1.0
BIOL 180	Plants and People	3.0
ARCH 231	Sustainability in the Built Environment	4.0
GEOG 101L	Physical Geography Laboratory	1.0

¹If not selected from "Select 3 units" (above).

Total: 18.0-20.0

SUSTAINABILITY - CERTIFICATE OF ACHIEVEMENT: MESA

Summary

Sustainability provides students with an interdisciplinary understanding of the biological, social, and economic considerations of issues related to the environment and environmental degradation.

Learning Outcome(s): Students who complete the Sustainability Program will be able to:

1. Analyze practical and theoretical issues related to sustainability from current and historical perspectives.
2. Evaluate perspectives of diverse stakeholders regarding a wide range of sustainability issues.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 12.0

SUST 101	Introduction to Sustainability	3.0
GEOG 101	Physical Geography	3.0
ECON 121	Principles of Microeconomics	3.0
		3.0
STAT C1000	Introduction to Statistics	3.0
OR		
PHIL 101	Symbolic Logic	3.0
OR		
PSYC 258	Behavioral Science Statistics	3.0
OR		
BUSE 115	Statistics for Business	3.0

OR		
BIOL 200	Biological Statistics	3.0
OR		
POLI 201	Elementary Statistics for Political Science	3.0

SELECT THREE UNITS FROM THE FOLLOWING:

Units: 3.0

PHIL 131	Environmental Ethics	3.0
ECON 220	Economics of the Environment	3.0

SELECT THREE TO FIVE UNITS FROM THE FOLLOWING:

Units: 3.0-5.0

SUST 270	Sustainability Work Experience	1.0-4.0
PHIL 131	Environmental Ethics	3.0
ECON 220	Economics of the Environment	3.0
ARCH 231	Sustainability in the Built Environment	4.0
BIOL 180	Plants and People	3.0
BUSE 190	Academic and Career Opportunities in Business	1.0
GEOG 101L	Physical Geography Laboratory	1.0

¹If not chosen from "Select Three Units..." above.

Total: 18.0-20.0

THEATRE ARTS - ASSOCIATE IN ARTS FOR TRANSFER DEGREE: MESA

Summary

The Associate in Arts in Theatre Arts for Transfer is intended for students who plan to complete a bachelor's degree in Theatre Arts or a related major in the California State University (CSU) system. It is accepted by some but not all CSU campuses. Students who complete this degree and transfer to a participating CSU campus will be required to complete no more than 60 units after transfer to earn a bachelor's degree. It may not be appropriate preparation for students transferring to a CSU campus that does not accept the degree. Students who plan to complete this degree should consult a counselor for additional information about participating CSU campuses as well as university admission, degree, and transfer requirements.

NOTE: Students intending to transfer into this major at a CSU should consult with a counselor and visit www.assist.org for guidance on appropriate transfer coursework.

Award Notes:

The following is required for all AA-T or AS-T degrees:

- Completion of 60 semester units that are eligible for transfer to the California State University
- Completion of a minimum of 18 semester units in an "AA-T" or "AS-T" major.
- Minimum grade point average (GPA) of at least 2.0 in all CSU-transferable coursework. While a minimum of 2.0 is required for admission, some CSU campuses and majors may require a higher GPA. Please see a counselor for more information.
- Minimum grade of "C" or "P" or better for each course in the major. Students should review the Pass/No Pass acceptance policy of the transfer institution prior to requesting this grade option.
- Certified completion of the California General Education Transfer Curriculum (Cal-GETC) pattern.

Learning Outcome(s): Students who complete the Theatre Arts Program will be able to:

1. Analyze and articulate the ideas and questions posited by the experience and study of theatre and film.
2. Expand their knowledge of the world and society through the engagement of dramatic arts.
3. Contribute effectively in the creative collaborative process.

Requirements

COURSES REQUIRED FOR THE MAJOR:		Units: 6.0
DRAM 105	Introduction to Dramatic Arts	3.0
DRAM 132	Beginning Acting	3.0
Complete 3 units (2-3 courses) from the following:		Units: 3.0
DRAM 244A	Theatre Workshop I	1.0-2.0
DRAM 244B	Theatre Workshop II	1.0-2.0
DRAM 244C	Theatre Workshop III	1.0-2.0
DRAM 244D	Theatre Workshop IV	1.0-2.0
Category A Courses: (9 UNITS)		Units: 9.0
DRAM 112	Introduction to Script Analysis	3.0
DRAM 124	Makeup for the Stage	3.0
DRAM 133	Intermediate Acting	3.0
		Total: 18.0

TRANSFER TRACK - ASSOCIATE OF SCIENCE DEGREE: MESA

Summary

Biology is a natural science that focuses on physical and chemical processes of living organisms. This discipline explores how organisms acquire and use energy to maintain homeostasis, how they reproduce, and how they interact with each other and their environment. Scientific processes are emphasized as a means of answering these biological questions. Biologists rely heavily on a chemistry foundation since living organisms are chemical systems.

The Biology program serves three areas of study. Biology provides a broad background of studies for the biology major preparing for transfer to a four-year institution. The biology program offers support courses in human anatomy, human physiology, and general microbiology which may be used to satisfy prerequisites for nursing programs and other allied health fields. The biology program provides courses in natural science to fulfill general education requirements.

The three associate degrees in biology require completion of the courses listed below. Additional general education and graduation requirements for the associate degree are listed in the catalog. The Associate Degree requires a minimum of 60 units.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Transfer Track Program will be able to:

1. Think critically, developing the skills to ask vital questions and solve biological problems by applying the Scientific Method.
2. Demonstrate the ability to report and/or explain scientific information appropriately.
3. Investigate biological questions using appropriate tools and techniques.
4. Demonstrate environmental awareness by recognizing the importance of interconnections among living organisms, including people, and their environments
5. Come prepared for class and complete assigned work thoughtfully

Requirements

COURSES REQUIRED FOR THE MAJOR:		Units: 23.0-24.0
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BIOL 210A	Introduction to the Biological Sciences I	4.0
BIOL 210B	Introduction to the Biological Sciences II	4.0
		5.0
CHEM 200	General Chemistry I - Lecture	3.0
AND		
CHEM 200L	General Chemistry I - Laboratory	2.0
		5.0
CHEM 201	General Chemistry II - Lecture	3.0
AND		
CHEM 201L	General Chemistry II - Laboratory	2.0
		5.0-6.0
		6.0
MATH 121	Basic Techniques of Applied Calculus I	3.0
AND		
MATH 122	Basic Techniques of Calculus II	3.0
OR		
MATH 150	Calculus with Analytic Geometry I	5.0

Total: 23.0-24.0

VETERINARY TECHNOLOGY - ASSOCIATE OF SCIENCE DEGREE: MESA

Summary

The Veterinary Technology program prepares students for careers in the veterinary medical arena. Graduates may become Registered Veterinary Technicians (RVTs) upon passing the National Veterinary Technician Examination (VTNE).

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Veterinary Technology Program will be able to:

1. Apply the knowledge and skills to perform safe and effective clinical procedures relative to the veterinary field.
2. Demonstrate professional and ethical behaviors necessary to be a Registered Veterinary Technician (RVT).
3. Communicate effectively with other veterinary professionals as appropriate for an RVT.
4. Demonstrate critical thinking and problem solving skills both independently and in a team environment.
5. Be knowledgeable of the California veterinary laws and regulations as they relate to the RVT.

Accreditation

San Diego Mesa College Veterinary Technology Program is accredited by the AVMA CVTEA as a program for educating veterinary technicians.

After successfully completing the Vet Tech program, students will be awarded an Associate of Science degree in Veterinary Technology from the San Diego Community College District. Graduates of this program are required to pass the Veterinary Technician National Exam (VTNE) in order to become licensed as a Registered Veterinary Technician in California.

Work Experience Requirement

Students accepted into this program will be required to successfully complete a clinically-based work experience course held in an animal health care facility. These facilities may require background checks, including fingerprinting, as a condition of placement at the clinical site.

Refusal to submit to a background check, or failure to meet clearance criteria established by the animal health care facility, may prevent placement at a work experience site and thus, it may not be possible to successfully complete the program.

Veterinary and animal health care facilities also require adherence to strict standards of conduct. Facilities may refuse educational access to any person who does not adhere to the facility's standards of safety, health and ethical behavior. This may be cause for removal from the program.

Admission Criteria

Eligibility for enrollment in this program is determined by a special admission procedure. Interested persons should review program information on the [website](#).

A grade of "C" or better must be maintained in all courses to continue in the program. Course repetition in this program is not permitted. The program is governed by the Allied Health Department Policies.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 42.0

VTAH 100A	Animal Care and Management	1.5
VTAH 100B	Advanced Animal Care and Management	1.5
VTAH 115	Veterinary Office Procedures	2.0
VTAH 125	Veterinary Clinical Pathology	3.0
VTAH 125L	Veterinary Clinical Pathology Laboratory	2.0
VTAH 135	Veterinary Pharmacology	2.0
VTAH 140	Veterinary Microbiology and Immunology	2.0
VTAH 145	Veterinary Anatomy and Physiology	3.0
VTAH 145L	Veterinary Anatomy and Physiology Lab	1.0
VTAH 155	Fundamentals of Veterinary Technology	3.5
VTAH 155L	Fundamentals of Veterinary Technology Laboratory	2.0
VTAH 205	Diseases of Domestic Animals	3.0
VTAH 215	Veterinary Radiography	3.0
VTAH 215L	Veterinary Radiography Laboratory	1.0
VTAH 225	Animal Nursing Techniques and Anesthesiology	3.0
VTAH 227	Veterinary Surgical and Nursing Procedures Lab	1.0
VTAH 229	Advanced Surgical Nursing Procedures Lab	1.0
VTAH 260	Laboratory Animal Medicine	2.0
VTAH 260L	Laboratory Animals Medicine Laboratory	0.5
VTAH 270	Veterinary Work Experience	4.0

Total: 42.0

VIDEO GAME DESIGN AND DEVELOPMENT - ASSOCIATE OF SCIENCE DEGREE: MESA

Summary

The Multimedia Program is designed to provide students of multimedia the opportunity to develop necessary foundation design skills, master software tools and processes, and experience industry standard production environments in various fields of multimedia production. The program curriculum is structured so as to provide students with a comprehensive balance of aesthetic, technological, and practical design application. Upon completion of this program, students will be qualified for entry level employment in the multimedia industry.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Video Game Design and Development Program will be able to:

1. Evaluate and apply appropriate technology to support specific business activities and business solutions.
2. Analyze specific business problems or situations and identify possible solutions, including predictive analysis, synthesis of information, resourcefulness, and troubleshooting.
3. Choose the appropriate mode of communication for a specific situation and then communicate ideas, concepts, and solutions through effective written and oral communication.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 30.0

MULT 120	Introduction to Video Game Design	3.0
MULT 148	Business of Games	3.0
MULT 150	Beginning Unity Game Development	3.0
MULT 152	Intermediate Unity Game Development	3.0
MULT 154	Advanced Unity Game Development	3.0
MULT 160	Beginning Unreal Engine	3.0
MULT 162	Intermediate Unreal Engine	3.0
MULT 164	Advanced Unreal Engine	3.0
MULT 201	Introduction to 3D Graphics	3.0
MULT 211	3D Modeling	3.0

Select 8 Units (2 Courses) from the Following:

Units: 8.0

CISC 179	Introduction to Python Programming	4.0
CISC 187	Data Structures in C++	4.0
CISC 192	C/C++ Programming	4.0
CISC 193	Microsoft C# Software Engineering I	4.0
CISC 197	Microsoft C# Software Engineering II	4.0
CISC 201	Advanced C++ Programming	4.0
CISC 217	Intermediate Python Programming	4.0
CISC 220	Fundamentals of Computer Game Programming	4.0
CISC 221	Intermediate Computer Game Programming	4.0

Total: 38.0

VIDEO GAME DESIGN AND DEVELOPMENT - CERTIFICATE OF ACHIEVEMENT: MESA

Summary

The Multimedia Program is designed to provide students of multimedia the opportunity to develop necessary foundation design skills, master software tools and processes, and experience industry standard production environments in various fields of multimedia production. The program curriculum is structured so as to provide students with a comprehensive balance of aesthetic, technological, and practical design application. Upon completion of this program, students will be qualified for entry level employment in the multimedia industry.

Learning Outcome(s): Students who complete the Video Game Design and Development Program will be able to:

1. Evaluate and apply appropriate technology to support specific business activities and business solutions.
2. Analyze specific business problems or situations and identify possible solutions, including predictive analysis, synthesis of information, resourcefulness, and troubleshooting.
3. Choose the appropriate mode of communication for a specific situation and then communicate ideas, concepts, and solutions through effective written and oral communication.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 30.0

MULT 120	Introduction to Video Game Design	3.0
MULT 148	Business of Games	3.0
MULT 150	Beginning Unity Game Development	3.0
MULT 152	Intermediate Unity Game Development	3.0
MULT 154	Advanced Unity Game Development	3.0
MULT 160	Beginning Unreal Engine	3.0
MULT 162	Intermediate Unreal Engine	3.0
MULT 164	Advanced Unreal Engine	3.0
MULT 201	Introduction to 3D Graphics	3.0
MULT 211	3D Modeling	3.0

Total: 30.0

VISUAL COMMUNICATION - ASSOCIATE OF SCIENCE DEGREE: MESA

Summary

The Visual Communication Associate of Science degree is designed to provide students of multimedia the opportunity to develop necessary foundation skills in visual communication by utilizing industry standard digital design tools and processes. It helps students master the tools and processes of contemporary visual communication, digital video, and graphic design by providing them with industry standards production experiences. The curriculum is structured so as to provide students a balance between aesthetic and technological design application.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Visual Communication Program will be able to:

1. Evaluate and apply appropriate technology to support specific business activities and business solutions.
2. Analyze specific business problems or situations and identify possible solutions, including predictive analysis, synthesis of information, resourcefulness, and troubleshooting.
3. Choose the appropriate mode of communication for a specific situation and then communicate ideas, concepts, and solutions through effective written and oral communication.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 15.0

MULT 100	Introduction to Visual Communication	3.0
MULT 121	Intermediate Visual Communication	3.0
MULT 122	Advanced Visual Communication	3.0
MULT 123	Digital Video I	3.0
MULT 124	Digital Video II	3.0

Select 15 units (five courses) from the following:

Units: 15.0

ARTF 150A	Two-Dimensional Design	3.0
ARTF 152	Color Theory	3.0
ARTF 155A	Freehand Drawing I	3.0
ARTF 155B	Freehand Drawing II	3.0
ARTF 231	Introduction to Digital Art	3.0
ARTF 232	Introduction to Digital Drawing and Painting	3.0

MULT 120	Introduction to Video Game Design	3.0
MULT 150	Beginning Unity Game Development	3.0
MULT 152	Intermediate Unity Game Development	3.0
MULT 154	Advanced Unity Game Development	3.0
MULT 160	Beginning Unreal Engine	3.0
MULT 162	Intermediate Unreal Engine	3.0
MULT 164	Advanced Unreal Engine	3.0
MULT 201	Introduction to 3D Graphics	3.0
MULT 211	3D Modeling	3.0
MULT 213	3D Texturing and Lighting	3.0
MULT 215	3D Character Design and Development	3.0
MULT 217	3D Studio Pre-Production	3.0

¹2D Design Emphasis

³Game Design Emphasis

²3D Design Emphasis

Total: 30.0

VISUAL COMMUNICATION - CERTIFICATE OF ACHIEVEMENT: MESA

Summary

The Visual Communication Certificate of Achievement is designed to provide students of multimedia the opportunity to develop necessary foundation skills in visual communication by utilizing industry standard digital design tools and processes. It helps students master the tools and processes of contemporary visual communication, digital video, and graphic design by providing them with industry standards production experiences. The curriculum is structured so as to provide students a balance between aesthetic and technological design application.

Award Note:

This program is not eligible for federal financial aid in accordance with Federal regulations.

Learning Outcome(s): Students who complete the Visual Communication Program will be able to:

1. Evaluate and apply appropriate technology to support specific business activities and business solutions.
2. Analyze specific business problems or situations and identify possible solutions, including predictive analysis, synthesis of information, resourcefulness, and troubleshooting.
3. Choose the appropriate mode of communication for a specific situation and then communicate ideas, concepts, and solutions through effective written and oral communication.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 15.0

MULT 100	Introduction to Visual Communication	3.0
MULT 121	Intermediate Visual Communication	3.0
MULT 122	Advanced Visual Communication	3.0
MULT 123	Digital Video I	3.0
MULT 124	Digital Video II	3.0

Total: 15.0

WEB DEVELOPMENT - ASSOCIATE OF SCIENCE DEGREE: MESA

Summary

Students earning this degree will prepare for careers as web developers with experience in front end technologies which control the visual aspect of web design and development as well as back end technologies that store, protect and deliver dynamic data to the web user.

Award Note:

The Associate Degree requires a minimum of 60 semester units that are eligible for transfer.

Learning Outcome(s): Students who complete the Web Development Program will be able to:

1. Evaluate and apply appropriate technology to support specific business activities and business solutions.
2. Analyze specific business problems or situations and identify possible solutions, including predictive analysis, synthesis of information, resourcefulness, and troubleshooting.
3. Choose the appropriate mode of communication for a specific situation and then communicate ideas, concepts, and solutions through effective written and oral communication.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 33.0

MULT 100	Introduction to Visual Communication	3.0
WEBD 152	Beginning Web Development: HyperText Markup Language (HTML) and Cascading Style Sheets (CSS)	3.0
WEBD 154	Creating User-Centered Content	3.0
WEBD 164	Javascript Fundamentals for Web Development	3.0
WEBD 166	PHP: an Introduction	3.0
WEBD 167	Using Web Databases	3.0
WEBD 168	Intermediate HTML (HyperText Markup Language) and CSS (Cascading Style Sheets) for Web Design	3.0
WEBD 169	Website Development Using Open Source Content Management Systems	3.0
WEBD 171	Advanced JavaScript for Web Development	3.0
WEBD 173	E-Commerce Website Creation	3.0
WEBD 191	Professional Practices in Web Design	3.0

Total: 33.0

WEB DEVELOPMENT - CERTIFICATE OF ACHIEVEMENT: MESA

Summary

Students earning this certificate will prepare for careers as web developers with experience in front end technologies which control the visual aspect of web design and development as well as back end technologies that store, protect and deliver dynamic data to the web user.

Learning Outcome(s): Students who complete the Web Development Program will be able to:

1. Evaluate and apply appropriate technology to support specific business activities and business solutions.
2. Analyze specific business problems or situations and identify possible solutions, including predictive analysis, synthesis of information, resourcefulness, and troubleshooting.
3. Choose the appropriate mode of communication for a specific situation and then communicate ideas, concepts, and solutions through effective written and oral communication.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 24.0

MULT 100	Introduction to Visual Communication	3.0
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WEBD 152	Beginning Web Development: HyperText Markup Language (HTML) and Cascading Style Sheets (CSS)	3.0
WEBD 154	Creating User-Centered Content	3.0
WEBD 164	Javascript Fundamentals for Web Development	3.0
WEBD 166	PHP: an Introduction	3.0
WEBD 167	Using Web Databases	3.0
WEBD 168	Intermediate HTML (HyperText Markup Language) and CSS (Cascading Style Sheets) for Web Design	3.0
WEBD 173	E-Commerce Website Creation	3.0

Total: 24.0

WOMEN'S STUDIES - CERTIFICATE OF PERFORMANCE: MESA

Summary

The Women's Studies Certificate of Completion is awarded to students who successfully have completed an interdisciplinary curriculum designed to explore the past, present and future of women from a multi-cultural perspective. The courses in this concentration will explore how women's lives have been affected by society's values, traditions, and institutions and how language, belief systems, political structures and economic systems shape the status of women, as well as men, in society and culture.

Award Notes:

A Certificate of Performance is a departmental award that does not appear on the student's transcript. All courses must be completed within the San Diego Community College District.

This program is not eligible for federal financial aid in accordance with Federal regulations.

Learning Outcome(s): Students who complete the Women's Studies Program will be able to:

1. Write or speak about the literary, artistic, scientific and political contributions of women throughout history, thereby addressing problems, formulating theses, making arguments, analyzing and weighing evidence, and deriving conclusions.
2. Think critically in reading, writing, and/or speaking about topics in Women's Studies, thereby identifying problems, developing arguments and theses, weighing evidence, and deriving conclusions.
3. Explain or analyze how women's diverse experiences are affected by ethnicity, class, nationality, religion, and sexual orientation in a global context; and demonstrate an understanding of cultural pluralism.
4. Analyze how women's lives have been affected by society's values, traditions, and institutions; and, demonstrate an ability to understand one's role in society, take responsibility for one's own actions, and make ethical decisions in complex situations.

Requirements

COURSES REQUIRED FOR THE MAJOR:

Units: 6.0

		3.0-6.0
		6.0
PHIL 125	Philosophy of Women	3.0
AND		
PHIL 126	Philosophy of Contemporary Gender Issues	3.0
OR		
PSYC 133	Psychology of Women	3.0

Select Three Additional Courses from:

Units: 9.0

		3.0
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BLAS 150	Black Women in Literature, Film and the Media	3.0
OR		
BLAS 175	Psycho-History of Racism and Sexism	3.0
OR		
CHIC 170	La Chicana	3.0
OR		
HIST 141	Women in United States History I	3.0
OR		
HIST 142	Women in United States History II	3.0
OR		
PHIL 126	Philosophy of Contemporary Gender Issues	3.0
OR		
PSYC 133	Psychology of Women	3.0

¹Completion of Psychology 133, Psychology of Women, may only be counted once toward the 15 units required for the certificate of completion.

Total: 15.0

Course Descriptions

General Course Information

In accordance with California Education Code, Section 78221.5, students have the right to access transfer-level coursework and academic credit English Language Acquisition (ELAC) coursework. Please refer to [Assessment](#) or see a counselor for details.

Students must earn a grade of "C" or better in courses required for the major.

Please note not all courses will be available every semester, and some courses may be canceled if enrollment doesn't meet the minimum requirements set by the San Diego Community College District. The hours listed in the course description indicated the hours the class meets, unless otherwise stated.

Course Numbering System

The course numbering system has meaning with regard to level and transfer. See the description below:

- **1–49** Basic Skills or college preparatory courses. Credit does not apply toward the associate degree and is not intended for transfer to a four-year college or university. Final determination regarding the transfer of credit rests with the receiving institution.
- **50–99** Course credit applies toward the associate degree and is not intended for transfer to a four-year college or university. Final determination regarding the transfer of credit rests with the receiving institution.
- **100–299** Course credit applies toward the associate degree and is intended for transfer to a four-year college or university. (Some courses may be identified as associate degree applicable only. See catalog course description.) Final determination regarding the transfer of credit rests with the receiving institution. Note: Experimental courses numbered 265 may or may not be degree applicable or transferable. Please check the individual course details in the online schedule for more information.
- **300–391** Apprenticeship and in-service courses. See Catalog course description to determine associate degree and/or transfer credit.
- **392–399** Special Topics courses that employ a consistent disciplinary framework as described by a complete course outline of record, but utilize a specific focus area that may change from term to term may be offered in some disciplines. See the class schedule for specific titles and course details.

See catalog course description to determine associate degree and/or transfer credit.

- **400–599** Upper division courses. Students must be admitted to a SDCCD college baccalaureate degree program.

Apprenticeship 345, 349, 349-D, DSPS 65, Field Experience/Internship 275, Independent Study 290, Individualized Instruction 296, Experimental Topics 18, 23, 63, 265, Tutoring 44, and Work Experience courses 270, 272 have Districtwide designated numbers.

Common Course Numbering System

The Common Course Numbering (CCN) System is a state-mandated initiative (AB 1111) aimed at simplifying student transfer and ensuring uniformity in course numbers across California Community Colleges.

Starting Fall 2025, SDCCD Colleges will include a new course numbering system. This new system, called the Common Course Numbering (CCN) system, will use the following structure:

- Subject: Four letter abbreviation (e.g., ENGL for English);
- Course Type Identifier: C= Common Course Number; local courses would not have a C; and
- Course Number: Standardized 4- digit course identification

C1000-C1399 100 level course.

C2000-C2399 200 level course.

Courses identified as common will feature a "C" in their catalog numbers (e.g., ENGL 101 will become ENGL C1000). Some subject area prefixes will also change to align with statewide standards (e.g., POLI will become POLS). Revisions, including new course numbers and subject prefixes, will be clearly indicated in the college catalog and class schedules to help students easily identify and navigate these changes.

For the latest information about Common Course Numbering, including an updated list of courses and answers to frequently asked questions, please visit the [Common Course Numbering website](#).

Prerequisites, Corequisites, Limitations on Enrollment, and Advisories

All prerequisites, corequisites, and limitations on enrollment stated in the course descriptions listed in this

catalog will be strictly enforced at the time of registration. Students who do not meet the prerequisite, corequisite, or other limitation according to the college's records, will not be permitted to register for the course. Students are strongly advised to have all transcripts of prior college work and other documentation on file well in advance of registration. This will minimize registration delays. For more information refer to this section in the catalog.

Students should plan their schedule early and see a counselor for assistance.

Challenge Procedures

A student may obtain a petition to Challenge online via the mySDCCD Support Desk and then selecting the [Petition to Challenge form](#).

The completed petition with supporting documentation must be filed in the Admissions Office AT LEAST 10 working days prior to the start of the primary term/semester. Contact the Admissions Office for additional information. For information regarding credit by examination, please refer to the "Credit for Prior Learning" section located under Academic Information and Regulations in the catalog.

Supervised Tutoring (44)

Noncredit, no-fee, supervised tutoring courses are available in Education (EDUC), English (ENGL), English Language Acquisition (ELAC) and Mathematics (MATH). These courses are designed to help students develop communication/literacy skills, quantitative reasoning skills, and critical thinking skills. To enroll in a supervised tutoring course, a student must be enrolled in a college course in the respective discipline. The courses are designed to prepare the student to succeed in the corequisite or subsequent courses. Supervised tutoring may be repeated as needed. These courses are applicable to the Associate Degree.

Special Topics Courses (392–399)

Special topics courses that employ a consistent disciplinary framework as described by a complete course outline of record, but utilize a specific focus area that may change from term to term may be offered in some disciplines. See the class schedule for specific titles and course details. (See catalog course description to determine credit for Associate Degree or Transfer.)

Work Experience (270)

Program of on-the-job learning experiences for students employed in a job related to the major. Students may earn a maximum of fourteen credit hours for all work experience subject areas during one enrollment period. AA/AS; CSU.

Service Learning

Students gain hands-on experience in project planning, development, implementation and evaluation. Students meet weekly to receive support training and development opportunities regarding best practices in Service Learning. The service-learning options are as follows:

Service Learning—High School Projects (277A)

Students in this course develop and implement service-learning projects to help high school students under the supervision of college faculty and in cooperation with high school teachers, counselors and resource teachers. Projects may include collaboration with high school classes, educational projects for high school students, mentoring and shadowing. This course is intended for students from any discipline who are interested in project development, development of teaching skills or enhancement of communication and planning skills. Course segments may be taken in any order. The combined credit for all 277A discipline courses may not exceed three units. AA/AS; CSU.

Service Learning—Elementary and Junior High School Projects (277B)

Students in this course develop and implement service learning projects to help elementary and junior high school students under the supervision of college faculty and in cooperation with elementary and junior high school teachers, counselors and resource teachers. Projects may include collaboration with elementary and junior high school classes, educational projects for elementary and junior high school students, mentoring, and shadowing. This course is intended for students from any discipline who are interested in project development, development of teaching skills, or enhancement of communication and planning skills. Course segments may be taken in any order. The combined credit for all 277B discipline courses may not exceed three units. AA/AS; CSU.

Service Learning—Community (277C)

Students in this course develop and implement service-learning projects to help the college's community under the supervision of college faculty and in cooperation with the staff of community organizations and agencies. Projects may include collaboration with off-campus community organizations and educational service oriented projects for the college's community. This course is intended for students from any discipline who are interested in project development, development of teaching skills, or enhancement of communication and planning skills. Course segments may be taken in any order. The combined credit for all 277C discipline courses may not exceed three units. AA/AS; CSU.

Service Learning—On Campus (277D)

Students in this course develop and implement service-learning projects to help the college's students under the supervision of college faculty and in cooperation with college counselors and staff. Projects may include collaboration with college classes, educational projects for college students, mentoring, and shadowing. This course is intended for students from any discipline who are interested in project development, development of teaching skills, or enhancement of communication and planning skills. Course segments may be taken in any order. The combined credit for all 277D discipline courses may not exceed three units. AA/AS; CSU.

Independent Study (290)

This course is for students who wish to conduct additional research, a special project, or learning activities in a specific discipline/subject area and is not intended to replace an existing course in the discipline. In this course students will have a written contract with their instructor for activities such as: preparing problem analysis, engaging in primary research, preparing reports, and meeting with the instructor at specific intervals. AA/AS; CSU.

Explanation of Terms

Courses in the San Diego Community College District that are associate degree applicable and/or transfer to public four-year universities in California are identified at the end of each course description with the following statements:

AA/AS: Associate Degree Applicable. The course will apply toward the units required for the associate degree at San Diego Community College District colleges. The course is not intended for transfer to a four-year college or university. However, final determination of transfer credit rests with the receiving institution.

CSU: California State University Applicable. The course will apply toward the units required for the baccalaureate degree at the California State University system.

UC: University of California Applicable. The course will apply toward the units required for the baccalaureate degree at the University of California system.

UC Transfer Limitation. See a counselor or reference ASSIST.org: There may be limitations on the number of units that are applied from this course toward the total number of lower division units required for the baccalaureate degree at the University of California. Students should see a counselor or reference ASSIST.org concerning these limitations. The University of California limits the maximum amount of lower division credit that can be applied toward the baccalaureate degree in a variety of disciplines, including Journalism, Photography,

Health, Business Administration, Architecture, Administration of Justice (Criminology) and Library Science.

Field Trip: (FT) A field trip may be required for this course. Detailed information concerning costs incurred will be provided by the instructor.

Private Colleges/Independent/Out-of-State:

Note regarding Private / Independent / Out-of-state institutions: San Diego Community College District courses that are designated as CSU or UC transferable may apply toward the total number of lower division units required for the baccalaureate degree at private, independent, and/or out-of-state colleges and universities; however, the final evaluation of course credit will be determined by the individual private, independent, or out-of-state institution.

Exercise Science Classes/Intercollegiate Sports-disclaimer

Participation in all sports and exercise science activities involves certain inherent risks. Risks may include, but are not limited to, neck and spinal injuries that may result in paralysis or brain injury, injury to bones, joints, ligaments, muscles, tendons and other aspects of the muscular skeleton system; and serious injury, or impairment, to other aspects of the body and general health, including death. The San Diego Community College District, its officers, agents and employees are not responsible for the inherent risks associated with participation in exercise science classes/intercollegiate sports. Students are strongly advised to consult a physician prior to participating in any exercise science activity.

UC Transfer and Physical Education Courses

The University of California divides physical education courses into three categories: 1) Activity; 2) Theory, and 3) Academic/Scholarly. Credit for Activity courses is limited to four (4) units. Credit for Theory courses is limited to eight (8) units. No credit limitation is established for Academic/Scholarly courses. All UC-transferable physical education courses and their associated unit limitations are listed on Web [ASSIST](#).

UC Transfer and Variable Topics Courses

These courses are also called "Independent Studies", "Special Studies", "Experimental Topics", "Field Work", etc. Credit for variable topics courses is given only after a review of the scope and content of the course by the enrolling UC campus. This usually occurs after transfer and may require recommendations from faculty. Information about internships may also be presented for review, but credit for internships rarely transfers to UC.

UC does not grant credit for variable topics courses in Journalism, Photography, Health, Business Administration, Architecture, Administration of Justice (Criminology) or Library Departments because of credit restrictions in these areas.

Course Identification Numbering System (C-ID)

The Course Identification Numbering System (C-ID) is a statewide numbering system independent from the course numbers assigned by local California community colleges. The purpose of a C-ID designation is to identify comparable courses within the California community

college system and participating four-year institutions. When a C-ID number is listed in the catalog in association with a course, students can be assured that it will be accepted in lieu of a course bearing the same C-ID designation at another California community college. Many universities, including the University of California (UC) do not participate in the C-ID system. Therefore, students should always reference www.assist.org to confirm how each community college's course will be accepted at a specific four-year college or university for transfer credit.

AAPI-Asian American Pacific Islander Studies

AAPI 103 Introduction to Pacific Islander Studies 3 units

Grading: Letter Grade or Pass/No Pass

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent

This introductory course critically examines the historical and contemporary experiences of Pacific Islanders, both at home in Oceania (Polynesia, Melanesia, and Micronesia) and in the diaspora. The course emphasizes Pacific Islander perspectives, exploring the histories of Oceania and the effects of colonialism, imperialism, militarism, racism, capitalism and globalization on Pacific Island communities, cultures, migration, identity, and politics. The course is intended for all students interested in Asian American and Pacific Islander Studies and Ethnic Studies.

FT; AA/as; CSU; UC.

AAPI 124 Introduction to Asian American and Pacific Islander Studies

48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent

This course is an introduction to the interdisciplinary field of Asian American and Pacific Islander (AAPI) Studies. The course explores the diverse histories and contemporary social, cultural, and political experiences of Asian Americans and Pacific Islanders. Emphasis is placed on how settler colonialism, imperialism, racial capitalism, globalization, war, American empire, citizenship, and various aspects of identity such as race, class, gender, and sexuality have shaped AAPI experiences and their social justice movements. Students will explore the topics through the lens of equity, self-determination, decolonization, and anti-racism. This course is intended for all students interested in Asian American and Pacific Islander Studies and Ethnic Studies.

FT; AA/as; CSU; UC.

AAPI 125 Asian American and Pacific Islander Identities and Cultures

48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent

This course explores the identity formation and the ongoing experiences of Asian Americans and Pacific Islanders (AAPI) through an analysis of culture and power. Students will examine how cultural productions – literature, film, visual art, music, performance, museums, national monuments and memorials, among others – produce ideas, stories, values and ideologies in different moments during the history of Asian Americans and Pacific Islanders. Using various methods of cultural inquiry, students explore how race, class, gender, sexuality, immigration status and indigeneity together produce intricate arrangements of power in U.S. society as well as how Asian Americans and Pacific Islanders politicize(d) themselves through their cultural expressions. This course is designed for all students interested in Asian American and Pacific Islander Studies.

FT; AA/as; CSU; UC.

AAPI 127 Asian Americans and American Ideals, Institutions, and Politics

3 units

Grading: Letter Grade or Pass/No Pass

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent

This course offers a critical investigation of the historical and contemporary political experiences of Asian Americans. Rooted in a Critical Race Studies approach toward history, the course examines how the United States governmental institutions, political processes and public policies at national, state, and local levels shape the experiences of Asian Americans in the United States. The course also clarifies how Asian Americans engage in community activism, domestic and transnational politics to resist oppression, disenfranchisement, and political exclusion in pursuit of incorporation into the U.S. political system, immigration, citizenship, cross-racial/ ethnic coalition-building, and racial justice. This course is intended for all students interested in Asian American and Pacific Islander Studies and Ethnic Studies.

FT; AA/as; CSU; UC.

AAPI 130 Asian American and Pacific Islander Women

48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent

This course is an introduction to the interdisciplinary study of Asian American and Pacific Islander (AAPI) women in American society. The course explores AAPI women's lived experiences as shaped by race, ethnicity, class, gender, sexual orientation, immigration status, and other aspects of identity. Emphasis is placed on AAPI feminist scholarship; cultural productions and practices; immigration, refugee, and diasporic experiences; and resistance to various systems of oppression such as racism, sexism, classism, (neo)colonialism, militarism, imperialism, and global capitalism. The course is designed for all students interested in Women's and Gender Studies as well as those interested in Asian American Pacific Islander Studies.

FT; AA/as; CSU; UC.

ACCT-Accounting

ACCT 116A Financial Accounting

64-72 hours lecture; 4 units

Grading: Letter Grade Only

Advisory: ACCT 102 with a Grade of "C" or better, or equivalent

This introductory course is an overview of financial accounting, why it is important, and how it is used by investors and creditors to make decisions. It covers the accounting information system, the recording and reporting of business transactions with a focus on the accounting cycle, the applications of generally accepted accounting principles (GAAP), the classified financial statements, and statement analysis. Other topics include issues related to asset, liability, and equity valuation; revenue and expense recognition; cash flows; internal controls; and ethics. This course is intended for students majoring in accounting or other fields related to business administration.

FT; AA/as; CSU; UC; C-ID: ACCT 110.

ACCT 116B Managerial Accounting

64-72 hours lecture; 4 units

Grading: Letter Grade Only

Prerequisite: ACCT 116A with a Grade of "C" or better, or equivalent

This course is a study of how managers use accounting information in decision-making, planning, directing operations, and controlling. The course focuses on cost terms and concepts, cost behavior, cost structure, and cost-volume-profit analysis. Other topics include profit planning, standard costs, operations and capital budgeting, cost control, and accounting for costs in manufacturing organizations. This course is intended for students majoring in accounting or other fields related to business administration.

FT; AA/as; CSU; UC; C-ID: ACCT 120.

ACCT 120 Federal Income Tax**48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Advisory: Completion of or concurrent enrollment in:**

ACCT 116A with a Grade of "C" or better, or equivalent

This course introduces tax concepts and tax laws that govern individuals who pay federal income taxes. Emphasis is placed on recognizing the social, economic, and political factors that Congress considers when it creates tax laws. This course relates tax codes to the individual and identifies how tax planning skills can determine economic outcomes. In addition, the course demonstrates and differentiates between tax avoidance and tax evasion. It is intended for students majoring in Accounting or anyone interested in federal income tax concepts and laws.

FT; AA/as; CSU.**ACCT 121 California Income Tax****16-18 hours lecture; 1 unit****Grading:** Letter Grade Only**Advisory: Concurrent enrollment in:** ACCT 120

This course is a study of California personal income taxation and tax planning. Emphasis is placed on tax concepts and related social economic issues rather than tax return preparation. The course distinguishes between California and federal income tax requirements. It is intended for all students interested in California income tax.

FT; AA/as; CSU.**ACCT 125 Government & Not-for-Profit Accounting****48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Prerequisite:** ACCT 116A with a Grade of "C" or better, or equivalent

The course provides instruction in the principles of fund accounting and budgeting including revenues, appropriations, encumbrances, internal controls for both governmental and not-for-profit entities. This course is intended for students majoring in Accounting and returning students preparing for their Certified Public Accountant (CPA) exam.

ACCT 135 Principles of Auditing**48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Prerequisite:** ACCT 116A with a Grade of "C" or better, or equivalent

This is a basic course concerned with financial statement auditing as well as other assurance services provided by professional auditors. All phases of auditing including ethics, standards, planning, fieldwork and reporting are covered. This course is intended for students majoring in Accounting.

FT; AA/as; CSU.**ACCT 150 Computer Accounting Applications****48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Advisory: Completion of or concurrent enrollment in:**

ACCT 102 with a Grade of "C" or better, or equivalent or

ACCT 116A with a Grade of "C" or better, or equivalent

This course illustrates how to use accounting computer programs in a commercial business enterprise. The main objective is to provide the student with a complete guide to creating and maintaining a proper accounting system while using a popular accounting software program (QuickBooks Pro) on a personal computer. The full accounting cycle and payroll is evaluated within a typical business environment. Business transactions are identified, labeled, recorded, and processed for both service and merchandise businesses. In addition, financial statements are constructed, evaluated, and reviewed for accuracy and completeness. This course is intended for students majoring in Accounting or those interested in computer accounting programs.

FT; AA/as; CSU.**ACCT 201A Intermediate Accounting I****48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Prerequisite:** ACCT 116A with a Grade of "C" or better, or equivalent

This course introduces students to intermediate theory, concepts, standards, and principles of financial accounting, with an emphasis on corporate financial statements. Topics include the acquisition, valuation, and disposition of assets as well as the identification and reporting of current liabilities. This course is intended for students majoring in the field of accounting and those interested in upgrading their accounting job/career skills.

FT; AA/as; CSU.**ACCT 201B Intermediate Accounting II****48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Prerequisite:** ACCT 201A with a Grade of "C" or better, or equivalent

This course is a continuation of intermediate financial accounting standards, theory, and principles. Topics include the valuation and presentation of liabilities and stockholders' equity; revenue recognition; leases; and tax accounting. This course is intended for students majoring in the field of accounting and those interested in upgrading their accounting job/career skills.

FT; AA/as; CSU.

ACCT 270 Accounting Internship / Work Experience

54 - 216 hours other; 1-4 units

Grading: Letter Grade Only

Limitation on Enrollment: Obtain Permission Number from Instructor

This course provides on-the-job learning experiences for students employed in an accounting-related job or internship. Students develop workplace competencies, critical thinking skills, and problem solving abilities through the creation and achievement of job-related behavioral learning objectives. One unit of credit may be earned for every 54 hours of work experience. This course may be taken up to four times. A maximum of fourteen credit hours for all work experience subject areas may be earned during one enrollment period. This course is intended for students majoring in Accountancy or those interested in the accounting field.

FT; AA/as; CSU.

ALLH-Allied Health

ALLH 48 Basic Skills for Health Care Careers

32-36 hours lecture; 2 units

Grading: Letter Grade or Pass/No Pass

This course is designed to prepare students interested in entering the health care industry for the college level interdisciplinary skills required in math, oral and written communication. In-class essay development, mathematical word problems, logical reasoning and professionalism are emphasized.

FT.

ALLH 49 Introduction to Health Careers

24-27 hours lecture; 1.5 units

Grading: Letter Grade or Pass/No Pass

This introductory course is designed for students interested in entering the human or veterinary health care industry. This course explores the history and key aspects of the practice of health care in the United States. The content provides ways to identify general aptitudes and skills required in health careers and provide students with an opportunity to match individual aptitudes, interests and abilities to specific health careers.

FT.

ALLH 290 Independent Study

48 - 162 hours other; 1-3 units

Grading: Pass/No Pass Only

Limitation on Enrollment: Obtain Permission Number from Instructor

This course is for students who wish to conduct additional research, a special project, or learning activities in Allied Health and is not intended to replace an existing course in an Allied Health program. In this course students will have a written contract with their instructor for activities such as: preparing problem analysis, engaging in primary research, preparing reports, and meeting with the instructor at specific intervals.

FT; AA/as; CSU.

AMSL-American Sign Language/Interpreting

AMSL 120 American Sign Language Level I**80-90 hours lecture; 5 units****Grading:** Letter Grade Only

Limitation on Enrollment: This course is not open to students with previous credit for AMSL 100 or AMSL 115. This is an entry-level course designed to introduce students to American Sign Language (ASL) and Fingerspelled Signs as they are used within Deaf Culture. Students are taught to use ASL by signing, fingerspelled signing, and using facial grammar at the novice level. Emphasis is placed on the development of ASL expressive and receptive skills via applying their ASL skills through individualized program, small groups and large group environment. Students utilize interactive media to express their comprehension of basic ASL sentences and stories as well as their signing skills. Students have the opportunity to practice vocabulary and syntax. The course is designed for students who want to explore the basic language structure of ASL and Deaf Culture.

FT; AA/as; CSU; UC.**AMSL 121 American Sign Language Level II****80-90 hours lecture; 5 units****Grading:** Letter Grade Only

Prerequisite: AMSL 120 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for AMSL 101 or AMSL 116. This course is a continuation of the study of American Sign Language (ASL) at the beginning intermediate level. Emphasis is placed on increasing development of students' receptive and expressive skills through ASL vocabulary, fingerspelled signs and knowledge of Deaf Culture. Instruction includes a natural approach to teaching a second language by exposing students to authentic conversations in the classroom. Active learning provides students with the opportunity to apply their ASL skills through an individualized program, small groups and large group environment. Students utilize interactive media to express their comprehension of basic to intermediate ASL sentences and stories as well as to hone their signing skills. Activities are designed to provide students the opportunity to practice vocabulary and syntax at the intermediate level. This course is designed for students and/or professionals interested in working and interacting with Deaf people.

FT; AA/as; CSU; UC.**AMSL 150 Introduction to Deaf Culture****48-54 hours lecture; 3 units****Grading:** Letter Grade Only

Limitation on Enrollment: This course is not open to students with previous credit for AMSL 104. This course is an introduction to the unique aspects of Deaf Culture and Deaf community. Emphasis is placed on in-depth discussion of the beliefs and customs of this sociolinguistic/cultural minority in relation to language use and history of Deaf people in the United States of America. This course is intended for students who are interested in learning about Deaf Culture and the Deaf community.

FT; AA/as; CSU; UC.**AMSL 155 Implications of Deafness****48-54 hours lecture; 3 units****Grading:** Letter Grade Only

Limitation on Enrollment: This course is not open to students with previous credit for AMSL 105. This course is a study of the audiological, educational, social, and communicative aspects of people who are deaf and hearing impaired. Emphasis is placed on historical perspectives and current trends, philosophies, and ideologies related to deafness. This course is intended for students who are interested in learning about the pathological aspects of deaf and hearing impaired people.

FT; AA/as; CSU; UC.**AMSL 214 American Sign Language Fingerspelled Signs****48-54 hours lecture; 3 units****Grading:** Letter Grade Only

Prerequisite: AMSL 121 with a Grade of "C" or better, or equivalent

This course is an intermediate-advanced study of American Sign Language Fingerspelled Signs and Numbering systems. Emphasis is placed on Native Fingerspelled Signs. Students participate in extensive drills expressively and receptively. This course is intended for American Sign Language (ASL) Studies and ASL-English Interpretation majors pursuing employment or a career in ASL and/or Deaf related fields.

FT; AA/as; CSU.

AMSL 220 American Sign Language Level III**80-90 hours lecture; 5 units****Grading:** Letter Grade Only**Prerequisite:** AMSL 121 with a Grade of "C" or better, or equivalent**Advisory:** AMSL 214 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for AMSL 200 or AMSL 215. This third course in American Sign Language (ASL) is designed to enhance students' receptive and expressive skills at an advanced intermediate level. Emphasis is placed on the ASL syntax, facial grammar, vocabulary, and fingerspelling skills that enable students to participate in increasingly more complex conversations with Deaf community members. Instruction utilizes a natural approach to teaching a second language by engaging students in authentic conversations within the classroom environment. Conversational content seeks to develop student knowledge and understanding of the Deaf community and its art and history. Active learning provides students with the opportunity to apply their ASL skills through an individualized program. Students utilize interactive media to express their comprehension of intermediate to advanced ASL sentences and narratives as well as to hone their signing skills. Activities are designed to provide students the opportunity to practice vocabulary and syntax at the intermediate to advanced level. This course is designed for students and/or professionals interested in working and interacting with Deaf people.

FT; AA/as; CSU; UC.**AMSL 221 American Sign Language Level IV****80-90 hours lecture; 5 units****Grading:** Letter Grade Only**Prerequisite:** AMSL 214 with a Grade of "C" or better, or equivalent and AMSL 220 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for AMSL 216

This fourth course in the study of American Sign Language (ASL) continues to build upon students' receptive and expressive skills at the advanced level while expanding their knowledge of Deaf Culture and the influences of other sign language systems. Emphasis is placed on advanced ASL Fingerspelled Signs, ASL structure and vocabulary. Instruction utilizes a natural approach to teaching a second language by engaging students in authentic conversations within the classroom environment. Active learning provides students with the opportunity to apply their American Sign Language (ASL) skills through an individualized program. Students utilize interactive media to express their comprehension of advanced ASL sentences and narratives as well as to hone their signing skills. Activities are designed to provide students the opportunity to practice vocabulary and syntax at the advanced level. This course is designed for students and/or professionals interested in working and/or interacting with Deaf people.

FT; AA/as; CSU; UC.**AMSL 225 Introduction to Linguistics of American Sign Language****48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Corequisite: Completion of or concurrent enrollment****in:** AMSL 221 with a Grade of "C" or better, or equivalent

This course is designed to provide students with an analysis of the symbolic and linguistic structure of American Sign Language (ASL) and English including other spoken languages, other sign languages, and other related sign systems. Topics include phonology, morphology, syntax, semantics, pragmatics, grammar and discourse. This course examines the bilingual and bicultural practices, language acquisition, sociolinguistics and related research. This course is intended for students who plan to transfer and/or are interested in learning about the linguistic aspects of American Sign Language.

FT; AA/as; CSU.

AMSL 230 Interpretation I

48-54 hours lecture/48-54 hours lab; 4 units

Grading: Letter Grade Only

Prerequisite: AMSL 221 with a Grade of "C" or better, or equivalent

Corequisite: Completion of or concurrent enrollment in: AMSL 150 with a Grade of "C" or better, or equivalent and AMSL 214 with a Grade of "C" or better, or equivalent

Advisory: AMSL 225 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for AMSL 205

This course introduces students to cognitive and critical thinking skills necessary for interpretation between English and American Sign language, including discourse analysis of source language messages, paraphrasing and summarizing techniques, and identification of main points. Emphasis is placed on the steps necessary to produce an equivalent target language message through transliteration, consecutive interpretation, simultaneous interpretation, and peer collaboration. Students are introduced to the skills and knowledge necessary to become culturally sensitive, ethical, and professional ASL-English interpreters. Instruction for class lectures and discussion may be through two types of modalities, ASL to English and/or English to ASL. Students are expected to have a beginning level of interpreting competency in both ASL and English in order to succeed in this course as instruction occurs in both languages. This course is designed for ASL-English Interpretation majors and accommodates those seeking the Certified Deaf Interpreter (CDI) certificate.

FT; AA/as; CSU.

AMSL 235 Professional Aspects of Interpretation **48-54 hours lecture; 3 units**

Grading: Letter Grade Only

Prerequisite: AMSL 221 with a Grade of "C" or better, or equivalent

Corequisite: Completion of or concurrent enrollment in: AMSL 230 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for AMSL 209
This course is a practical study of interpreting as a profession. Emphasis is placed on the application of the code of professional conduct in the field. Topics include the national standards for evaluation and certification, public employment versus private employment, and resume development. This course may be taught using ASL to English and/or English to ASL. This course is designed for Interpreting majors and accommodates those seeking the Certified Deaf Interpreter (CDI) certificate.

FT; AA/as; CSU.

AMSL 240 Interpretation II

48-54 hours lecture/48-54 hours lab; 4 units

Grading: Letter Grade Only

Prerequisite: AMSL 214 with a Grade of "C" or better, or equivalent and AMSL 230 with a Grade of "C" or better, or equivalent and AMSL 235 with a Grade of "C" or better, or equivalent

Corequisite: Completion of or concurrent enrollment in: AMSL 155 with a Grade of "C" or better, or equivalent and AMSL 225 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for AMSL 207

This course is designed to provide development of skills in receiving signed messages and presenting an equivalent message using spoken English. Emphasis is placed on Sign Language receptivity, appropriate English word choices, vocal inflection, and English structure at the beginner voice interpreter level. Instructor may use ASL to English and/or English to ASL techniques when teaching this course. This course is designed for Interpreting majors and accommodates those seeking the Certified Deaf Interpreter (CDI) certificate.

FT; AA/as; CSU.

AMSL 245 Specialized Settings in Interpretation **48-54 hours lecture; 3 units**

Grading: Letter Grade Only

Prerequisite: AMSL 230 with a Grade of "C" or better, or equivalent and AMSL 235 with a Grade of "C" or better, or equivalent

Corequisite: Completion of or concurrent enrollment in: AMSL 240 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for AMSL 210

This course is designed to provide students of American Sign Language (ASL) - English Interpretation with an introduction to the application of interpreting skills to a variety of professional settings and situations. Settings covered include, but are not limited to Community, Conference, Deaf/Blind, Educational (K-12 and Post-secondary), Legal, Medical, Mental Health, Performing Arts, Religious Interpreting, and Video Relay Interpreting, and Private Practice and Freelance. The instructor for this course may use ASL to English and/or English to ASL techniques. This course is intended for students who plan to transfer and/or are interested in becoming an ASL Interpreter by majoring in American Sign Language/ Interpreting and accommodates those seeking the Certified Deaf Interpreter (CDI) certificate.

FT; AA/as; CSU.

AMSL 250 Interpretation III**48-54 hours lecture/48-54 hours lab; 4 units****Grading:** Letter Grade Only**Prerequisite:** AMSL 240 with a Grade of "C" or better, or equivalent and AMSL 245 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for AMSL 206

This course is an advanced study of the interpretation process. Emphasis is placed on the application of previously-learned American Sign Language (ASL) skills to develop the cognitive and critical thinking abilities required for interpreting and transliterating at the advanced level. Consecutive interpreting and simultaneous interpreting skills of source language text are utilized throughout the course. Instructor may use ASL to English and/or English to ASL techniques when teaching this course. This course is designed for Interpreting majors and accommodates those seeking the Certified Deaf Interpreter (CDI) certificate.

FT; AA/as; CSU.**AMSL 255 Interpretation IV****48-54 hours lecture/48-54 hours lab; 4 units****Grading:** Letter Grade Only**Prerequisite:** AMSL 240 with a Grade of "C" or better, or equivalent and AMSL 245 with a Grade of "C" or better, or equivalent**Corequisite: Completion of or concurrent enrollment****in:** AMSL 250 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for AMSL 208

This course is designed to provide advanced development of skills in receiving signed and/or voiced messages and presenting an equivalent message using spoken English, signed English or American Sign Language (ASL) as requested by instructor. Emphasis is placed on advanced sign language receptivity, appropriate word choices, vocal or signed inflection, and English and ASL structure at the advanced voice interpreter level. Instructor may use ASL to English and/or English to ASL techniques when teaching this course. This course is designed for Interpreting majors and accommodates those seeking the Certified Deaf Interpreter (CDI) certificate.

FT; AA/as; CSU.**AMSL 276 Field Work in Interpretation****24-27 hours lecture/72-81 hours lab; 3 units****Grading:** Letter Grade Only**Prerequisite:** AMSL 250 with a Grade of "C" or better, or equivalent**Corequisite: Completion of or concurrent enrollment****in:** AMSL 255 with a Grade of "C" or better, or equivalent

This course is a supervised field experience designed to provide students with the opportunity to expand their skills and knowledge in the interpreting/transliterating profession through practice in various interpreting settings/situations. This course utilizes ASL and/or English in its instruction at an advanced level. In addition to the field experience, students are required to attend on-campus seminars. This course is designed for Interpreting majors and accommodates those seeking the Certified Deaf Interpreter (CDI) certificate.

FT; AA/as; CSU.

ANTH-Anthropology

ANTH 102 Introduction to Biological Anthropology

48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent

This course is a survey of human evolution, variation, and adaptation. Topics include the study of primates, human heredity, variability of modern populations, and fossil records of early hominins and hominoids. This course is intended for anthropology majors and all students interested in life and/or behavioral sciences.

FT; AA/as; CSU; UC; C-ID: ANTH 110.

ANTH 103 Introduction to Cultural Anthropology

48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent

This course is a survey of cultural anthropology using a comparative, cross-cultural approach. Emphasis is placed on the study of how various peoples around the world have adapted to their environments and developed behaviors to meet their biological, economic, psychological, social and political needs. This course is intended for anthropology majors and all students interested in life and/or behavioral sciences.

FT; AA/as; CSU; UC; C-ID: ANTH 120.

ANTH 104 Laboratory in Biological Anthropology

48-54 hours lab; 1 unit

Grading: Letter Grade or Pass/No Pass

Corequisite: Completion of or concurrent enrollment in: ANTH 102 with a Grade of "C" or better, or equivalent

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent

This course is a practical study of biological anthropology. Students perform field and laboratory studies in genetics, human variation, human osteology, anthropometry, hominid/hominin evolution, comparative primate anatomy, primate behavior, and forensic anthropology. This course is intended for anthropology majors and all students interested in life and/or behavioral sciences.

FT; AA/as; CSU; UC.

ANTH 107 Introduction to Archaeology

48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent

This course is an introductory study of the history, methods, and theory of archaeology. Emphasis is placed on the techniques of archaeological data collection and analysis; cultural innovations, reconstruction, and interpretation of the past; and Cultural Resource Management (CRM) work. This course is intended for students planning to major in anthropology and/or continue the study of archaeology at a university.

FT; AA/as; CSU; UC; C-ID: ANTH 150.

ANTH 110 Anthropology of Magic, Witchcraft, and Religion

48-54 hours lecture; 3 units

Grading: Letter Grade Only

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent

This course is a survey of magic and religion as expressed through rituals, myths, and symbols in cross-cultural perspective. Emphasis is placed on the theoretical and methodological approaches to the study of magic, witchcraft, and religion. This course is intended for students majoring in anthropology and all other interested students.

FT; AA/as; CSU; UC.

ANTH 117 Anthropology of Gender and Sexuality

48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent

This course provides an overview of anthropological perspectives on gender and sexuality, employing a cross-cultural perspective in order to examine the role of culture and society in shaping specific gender distinctions and normative ideas and expressions of sexuality. Students engage with theoretical and ethnographic texts, photographic representations, films, and other media to identify and critically think about taken-for-granted notions about gender and sexuality. Students conduct a short ethnographic research project about gender and sexuality. This course is designed for all students interested in Anthropology, in Gender and Women's Studies, and in gender and sexuality more generally.

FT; AA/as; CSU; UC.

ANTH 130 Bones: Human Osteology**48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This course focuses on the study of the human skeleton. Emphasis is placed on two main aspects: identification of recently deceased individuals in a legal context, and historic or prehistoric skeletal remains as a contribution to human history. This hands-on course includes information on bone biology, growth and development, variation, and reconstruction. Students identify all parts of the skeletal system, measure bones, and identify non-metric features and stress markers. This course is designed for Anthropology majors or students interested in biology or physical anthropology.

ANTH 140 Primatology**48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This course is an introduction to the study of non-human primates: prosimians; monkeys of the Americas; monkeys and apes of Africa, Asia and Europe. The course focuses on primate behavior and how it relates to the study of human biocultural evolution. Of special concern are the relationships and adaptations of primates to varied environments. The primates at the San Diego Zoo are an integral part of the course. Various observational and data collecting techniques are employed in zoo projects. This course is designed for anthropology majors and/or students interested in anthropology, biology, or zoology.

FT; AA/as; CSU; UC.**ANTH 205 Introduction to Medical Anthropology****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for ANTH 265B

This course presents the cultural forces, among other social motivations, that are powerful influences on health and wellness-related behavior. Medical anthropology is a combined sub-branch of biological and cultural anthropology and is concerned with the application of anthropological and behavioral science theories and methods to address questions about health, illness and healing. This course is designed for students interested in culture, biology, and health.

FT; AA/as; CSU.**ANTH 215 Cultures of Latin America****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This course is a study of the cultural history of Latin America from pre-Columbian to colonial and contemporary civilizations. Emphasis is placed on the Mesoamerican and Andean civilizations. Students use contemporary anthropological research, ethnohistoric and archaeological data to assess and compare the rich cultural experiences of past and present peoples. This course is intended for anthropology majors and all students interested in Latin American civilization and culture.

ANTH 290 Independent Study**48-162 hours other; 1-3 units****Grading:** Letter Grade or Pass/No Pass**Limitation on Enrollment:** Obtain Permission Number from Instructor

This course is for students who wish to conduct additional research, a special project, or learning activities in the field of anthropology. It is not intended to replace an existing course in the discipline. In this course students will have a written contract with their instructor for activities such as: preparing problem analysis, engaging in primary research, preparing reports, and meeting with the instructor at specific intervals

FT; AA/as; CSU.

ARCH-Architecture

ARCH 100 Graphic Design Communication I**96-108 hours lab; 2 units****Grading:** Letter Grade Only

This course is designed for all students who wish to develop basic hand drafting skills for use in Architectural, Construction, and Interior Design programs. Topics include lettering, line control, sketching, use of drafting instruments and the development of architectural presentation drawings. This course is designed for students interested in developing hand drawing skills for use in architecture, interior design, and construction.

FT; AA/as; CSU.**ARCH 101 Archicad****24-27 hours lecture/72-81 hours lab; 3 units****Grading:** Letter Grade Only

This course is a practical study Archicad software and its application to architectural design. Emphasis is placed on the use of Archicad software to develop and document architectural models. This course is designed for architecture majors and anyone interested in 3-D architectural modeling.

FT; AA/as; CSU.**ARCH 103 Introduction to Architecture and Environmental Design****48-54 hours lecture; 3 units****Grading:** Letter Grade Only

Limitation on Enrollment: This course is not open to students with previous credit for ARCH 100A or ARCH 104. This course introduces students to the professions of Architecture and Environmental Design. Students are exposed to the education requirements, professional practice, and applications in three major design fields that encompass Architecture and Environmental Design: Architecture, Landscape Architecture, and Interior Design. Presentations include education, history, theory, professional practice, applications, guest lecturers and field trips. This course is recommended for students interested in exploring the field of Environmental Design.

FT; AA/as; CSU; UC.**ARCH 107 Revit****24-27 hours lecture/72-81 hours lab; 3 units****Grading:** Letter Grade Only

This course is a hands-on study of computer-aided drafting and design (CADD) using three dimensional (3-D) parametric solid modeling programs, such as Revit and AutoCAD. Emphasis is placed on the use of CADD to electronically assemble projects from instructor-defined programs and to coordinate those drawings into architectural construction documents. This course is designed for architecture, interior design, and building construction technology majors.

FT; AA/as; CSU.**ARCH 112 AutoCAD****24-27 hours lecture/72-81 hours lab; 3 units****Grading:** Letter Grade Only**Advisory: Completion of or concurrent enrollment in:**

ARCH 100 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for ARCH 105

This course is a hands-on study of computer aided drafting and design (CADD) for design drawings and construction document purposes using AutoCAD. Emphasis is placed on two-dimensional drawing commands to digitally assemble project drawings and to coordinate those drawings into architectural design, interior design and related construction documents. This course is intended for students majoring in architecture and interior design.

FT; AA/as; CSU.**ARCH 113 Rhino for Architecture****24-27 hours lecture/72-81 hours lab; 3 units****Grading:** Letter Grade Only**Advisory:** CBTE 180 with a Grade of "C" or better, or equivalent

This course is a practical study of Rhinoceros (Rhino) software and its application to architectural design. Emphasis is placed on 3D digital drafting techniques, skills and concepts. It includes topics related to the digital fabrication of architectural models. This course is designed for architecture majors and anyone interested in 3-D architectural modeling.

FT; AA/as; CSU.**ARCH 126 History of Ancient World Architecture****48-54 hours lecture; 3 units****Grading:** Letter Grade Only

This course is an introductory survey of global history of architecture. It covers early stone and wood architecture in relation to cultural and aesthetic elements of world civilization. Emphasis is placed on comparing and contrasting architectural structures including those from the Ancient World, Europe, Middle East, Asia, and the Americas. Historically significant structures are analyzed and technical, regional, and natural influences on architecture are explored. This course is intended for architecture students.

FT; AA/as; CSU; UC.

**ARCH 127 History of World Architecture:
Renaissance Through Contemporary**
48-54 hours lecture; 3 units

Grading: Letter Grade Only

This course is an introductory survey of Renaissance through Contemporary architecture. Emphasis is placed on comparing and contrasting architectural structures including those from Asia, the Americas, Europe, and Middle East. Cultural and aesthetic elements of world civilization are emphasized. This course is intended for architecture students.

FT; AA/as; CSU; UC.

ARCH 130 Materials of Construction
48-54 hours lecture; 3 units

Grading: Letter Grade Only

This course is a study of the construction constraints and program criteria for the selection and installation of building materials for residential and commercial construction projects. This course is intended for architectural design students, design professionals, construction trades people transitioning to supervisory positions, persons preparing for the trades portion of the general contractor's license exam, appraisers and others requiring knowledge of building materials and installation for residential and commercial buildings.

FT; AA/as; CSU.

ARCH 141 Professional Practice in Architecture
48-54 hours lecture/48-54 hours lab; 4 units

Grading: Letter Grade Only

Prerequisite: ARCH 100 with a Grade of "C" or better, or equivalent

Corequisite: Completion of or concurrent enrollment in: ARCH 130 with a Grade of "C" or better, or equivalent
This course introduces regional codes and regulations and their application to the professional practice of architecture. Students research regional codes and regulations and apply them to develop architectural construction documents that include site development plans and details, floor plans, reflected ceiling plans and details, roof framing plans and details, floor framing plans and details. Foundation plans and details, door, window, cabinet, and stair details for light wood frame and masonry structures are also included. The American with Disabilities Act (ADA) requirements, sustainability, energy conservation, and life safety is introduced in this course. This course is designed for architecture, interior design and building construction technology students.

FT; AA/as; CSU.

ARCH 170 Architectural Design
48-54 hours lecture/48-54 hours lab; 4 units

Grading: Letter Grade Only

This course is an introduction to architecture and environmental design. Emphasis is placed on the concepts of form and space as applied to two-dimensional (2-D) and three-dimensional (3-D) design projects. This course is intended for all students interested in architectural design.

FT; AA/as; CSU; UC.

ARCH 172 Architectural Design II
32-36 hours lecture/96-108 hours lab; 4 units

Grading: Letter Grade Only

Prerequisite: ARCH 100 with a Grade of "C" or better, or equivalent and ARCH 170 with a Grade of "C" or better, or equivalent

This course is a practical study of architectural design and project development. Emphasis is placed on the creation and presentation of building designs. Topics include an introduction to contemporary design theory. This course is intended for architecture majors.

FT; AA/as; CSU; UC.

**ARCH 173 Architectural Site Design: Creating
Exterior Spaces**

48-54 hours lecture/48-54 hours lab; 4 units

Grading: Letter Grade Only

Prerequisite: ARCH 100 with a Grade of "C" or better, or equivalent and ARCH 170 with a Grade of "C" or better, or equivalent

This course is a study of the basic principles of site design, composition and design process in the creation of exterior spaces. This course is designed for any student interested in environmental design.

FT; AA/as; CSU.

ARCH 175 Advanced Architectural Design I
48-54 hours lecture/96-108 hours lab; 5 units

Grading: Letter Grade Only

Prerequisite: ARCH 172 with a Grade of "C" or better, or equivalent

Corequisite: Completion of or concurrent enrollment in: ARCH 173 with a Grade of "C" or better, or equivalent
Advisory: ARCH 220 with a Grade of "C" or better, or equivalent

This course an advanced practical study of architectural design based on advanced contemporary architectural theory. Students analyze and design architectural projects with emphasis on the plan, section, building form and issues of sustainability. Students are required to present their design projects to the class. This course is designed for architecture students.

FT; AA/as; CSU; UC.

ARCH 180A Advanced Architectural Design IIA
48-54 hours lecture/96-108 hours lab; 5 units

Grading: Letter Grade Only

Prerequisite: ARCH 175 with a Grade of "C" or better, or equivalent and ARCH 220 with a Grade of "C" or better, or equivalent and **Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent and ARCH 101 with a Grade of "C" or better, or equivalent and ARCH 112 with a Grade of "C" or better, or equivalent and ARCH 221 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for ARCH 180
This course is the second semester of advanced architectural design. Emphasis is placed on building plan, section, and form, as well as on environmental concerns, urban design and sustainability. Students design complex architectural projects to develop their creative abilities and critical thinking skills. Students are required to present their design solutions to juries comprised of class members and design critics from industry. Design projects may also be submitted to various regional student architectural competitions. This course is intended for students majoring in Architecture and professionals in the field who want to hone their design skills.

FT; AA/as; CSU; UC.

ARCH 180B Advanced Architectural Design IIB
48-54 hours lecture/96-108 hours lab; 5 units

Grading: Letter Grade Only

Prerequisite: ARCH 180A with a Grade of "C" or better, or equivalent

This course is the third semester of advanced architectural design. Emphasis is placed on issues related to sustainability, materiality, and urban design and context as they relate to building plan, section and form. Students resolve major design problems to further develop their creative abilities and critical thinking skills. Students are required to present their design solutions to juries comprised of members of the class and design critics from industry. This course is intended for students majoring in Architecture and professionals in the field who want to hone their design skills.

FT; AA/as; CSU; UC.

ARCH 180C Advanced Architectural Design IIC
48-54 hours lecture/96-108 hours lab; 5 units

Grading: Letter Grade Only

Prerequisite: ARCH 180B with a Grade of "C" or better, or equivalent

This course is the fourth semester of advanced architectural design. Emphasis is placed on the application of contemporary architectural theory as the basis for design decisions related to one comprehensive design project. Students are required to present their design solutions to juries comprised of members of the class and design critics from industry. This course is intended for students majoring in Architecture and professionals in the field who want to hone their design skills.

FT; AA/as; CSU; UC.

ARCH 205 Estimating
48-54 hours lecture; 3 units

Grading: Letter Grade Only

This course is an introduction to construction cost estimating. Emphasis is placed on determining the amount of work to be done before applying pricing rules. Topics include basic quantity takeoffs, pricing, appropriate markups, overhead, and specification review. This course is intended for students majoring in Architecture and Building Construction Technology.

FT; AA/as; CSU.

ARCH 220 Graphic Design Communication II
96-108 hours lab; 2 units

Grading: Letter Grade Only

Prerequisite: ARCH 100 with a Grade of "C" or better, or equivalent

This course is a practical study in the development of architectural presentation drawing. Various media may include, but are not limited to, pencil, pen and ink, and color rendering techniques in both non-digital and digital formats. This course is designed for architecture, landscape architecture and interior design majors.

FT; AA/as; CSU; UC.

ARCH 221 Graphic Design Communication III**96-108 hours lab; 2 units****Grading:** Letter Grade Only**Prerequisite:** ARCH 220 with a Grade of "C" or better, or equivalent**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This course is the second course of a sequence. It includes a series of miscellaneous problems designed to develop a digital rendering library. Various media may include, but are not limited to, 3-dimensional (3-D) digital models and color rendering techniques. This course includes an introduction to 3-D modeling and presentation software. This course is designed for architecture and interior design majors.

FT; AA/as; CSU; UC.**ARCH 226 Architectural Theory****48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This seminar course examines the theory of contemporary architectural design. Emphasis is placed on comparisons between architectural theory and current practice in the region. Students interview a local architect and present an analysis and critique of that architect's work to the class comparing and contrasting it with the theoretical information presented throughout the semester. This class is designed for architecture majors and anyone interested in architectural theory and practice.

FT; AA/as; CSU; UC.**ARCH 231 Sustainability in the Built Environment****48-54 hours lecture/48-54 hours lab; 4 units****Grading:** Letter Grade Only**Limitation on Enrollment:** This course is not open to students with previous credit for ARCH 230

This course is a study of sustainable building design.

Students design and present projects with emphasis placed on current sustainable design methods and technologies.

This course is recommended for students majoring in architecture, interior design, building construction technology and students interested in exploring the field of sustainable building design.

FT; AA/as; CSU; UC.**ARCH 270 Work Experience****54 - 216 hours other; 1-4 units****Grading:** Letter Grade Only

This course of on-the-job experiences in architecture is designed for students employed in a job related to their major or their educational goals. One unit of credit may be earned for every 54 hours of work experience. A maximum of fourteen credit hours for all work experience subject areas may be earned during one enrollment period.

ARCH 290 Independent Study**48 - 162 hours other; 1-3 units****Grading:** Letter Grade Only**Limitation on Enrollment:** Obtain Permission Number from Instructor

This course is designed for students who wish to conduct additional research, a special project, or learning activities in the field of architecture. It is not intended to replace an existing course in the discipline. In this course students have a written contract with their instructor for activities such as: preparing problem analyses, engaging in primary research, preparing reports, and meeting with the instructor at specific intervals.

ARTF-Art-Fine Art**ARTF 100 Art Orientation****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This course is a survey of the visual arts. Emphasis is placed on the various aesthetic approaches, philosophies, and artistic orientations around the world in historical and contemporary perspective. This course is intended for humanities majors and all students interested in art and/or art history.

FT; AA/as; CSU; UC.

ARTF 106 Art of the United States: Colonial to Modern Period

48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for ARTF 132

This course provides a survey of art and architecture of the United States, examining theoretical and cultural influences on art from the early Colonial to the Modern periods. The course emphasizes U.S. born artists and artistic developments, as well as indigenous and/or foreign influences that contributed to the development of U.S. art. This course is designed for students interested in U.S. artistic history and culture.

FT; AA/as; CSU; UC.

ARTF 107 Contemporary Art

48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent

This course provides a survey of contemporary art and architecture examining theoretical and cultural influences on art from the late 20th century to present. The course is designed for students interested in contemporary art history, as well as for art majors who are focusing on contemporary design, painting, sculpture or ceramics.

FT; AA/as; CSU; UC.

ARTF 108 Women in Art

48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent

Women in Art is a survey of art produced by women as well as the representation of women in art from the prehistoric through contemporary period. This course will provide an interdisciplinary overview of art work produced by women artists focusing on the intersection of art, gender and social ideologies. This course will also explore the portrayal of women in art and the manner in which cultural definitions of gender shape women's aesthetic expression and representation. The course is intended for students interested in art, women's studies and the humanities.

FT; AA/as; CSU; UC.

ARTF 109 Modern Art

48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

Advisory: ARTF 110 with a Grade of "C" or better, or equivalent and ARTF 111 with a Grade of "C" or better, or equivalent and ENGL C1000 with a Grade of "C" or better, or equivalent

This course provides a survey of modern art and architecture examining theoretical and cultural influences on art from the 19th century to mid 20th century. The course is designed for students interested in modern art history, as well as for art majors who are focusing on modern design, painting, sculpture or ceramics.

FT; AA/as; CSU; UC.

ARTF 110 Art History: Prehistoric to Gothic

48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent

This course is a survey of the visual arts in western civilization from prehistory through the Gothic period. Emphasis is placed on representative art and architecture from Mesopotamia, Iran, Egypt, the Aegean, Etruscan, Rome and Greece. This course is intended for art majors and all students interested in art history, the humanities and culture.

FT; AA/as; CSU; UC.

ARTF 111 Art History: Renaissance to Modern

48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent

This course is a survey of the visual arts in western civilization from the Renaissance to the Modern era. Emphasis is placed on representative art and architecture from the Renaissance, Mannerism, Baroque, Rococo, Neo-Classicism, Romanticism, Impressionism, Post-Impressionism, and Modernism eras. This course is intended for art majors and all students interested in art history, the humanities, and culture.

FT; AA/as; CSU; UC; C-ID: ARTH 120.

ARTF 113 Arts of Africa, Oceania, and the Americas

48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent

This course is an introduction to the visual arts produced by selected peoples of Africa, Oceania, and the Americas from the prehistoric to contemporary periods. Topics include art and architecture produced by groups from Africa, Oceania, and the Americas and emphasize how art is representative of the cultural, religious, social, or political orientation of each region. This course is designed for art and art history majors as well as others interested in the humanities.

FT; AA/as; CSU; UC; C-ID: ARTH 140.

ARTF 115 African Art

48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent

This course is a survey of the history of African art. Emphasis is placed on the distinct history, cultural aesthetics, styles and iconography of various African cultures from prehistoric times to present day. This course is designed for all students interested in art, art history and the humanities.

FT; AA/as; CSU; UC.

ARTF 120 Native American Art

48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent

This course is an introductory survey of Native American art and architecture from the prehistoric period to the present. The course examines the history of Native American cultures from the North American Continent as represented in various media and cultural practices. This course is intended for art history majors and all students interested in the humanities.

FT; AA/as; CSU; UC.

ARTF 125 Art History: Arts of the Asian Continent

48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent

This course provides a survey of paintings, sculpture, architecture, and associated fine arts from India, China, Japan, Korea, Southeast Asia, and other countries throughout the Asian continent. It emphasizes the social, religious, and political highlights of each culture and their effects on art forms from prehistoric to modern times. This course is designed not only for art students, but also for those who are interested in history, religion, philosophy, humanities, and cultural enrichment.

FT; AA/as; CSU; UC; C-ID: ARTH 130.

ARTF 130 Pre-Columbian Art

48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for CHIC 231

This course is a survey of Pre-Columbian art and architecture. Emphasis is placed on the styles representative of Mesoamerican and South American groups. This course is intended for art and art history majors, ethnic studies majors, and all students interested in the humanities.

FT; AA/as; CSU; UC.

ARTF 150A Two-Dimensional Design

24-27 hours lecture/72-81 hours lab; 3 units

Grading: Letter Grade or Pass/No Pass

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent

This course is an introduction to two-dimensional space and form. Emphasis is placed on ways of organizing visual space into vivid and coherent images. This course is designed for students beginning a study of art and/or related disciplines.

FT; AA/as; CSU; UC; C-ID: ARTS 100.

ARTF 150B Beginning Graphic Design**24-27 hours lecture/72-81 hours lab; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ARTF 150A with a Grade of "C" or better, or equivalent and ENGL C1000 with a Grade of "C" or better, or equivalent

This is an introductory class in graphic communication which uses the computer as a tool for building and editing images. Students address problems of visual form and organization, but with an emphasis on visual constructions which convey information, and on type and text as graphic components of those constructions. Individualized, hands-on instruction is provided using the Adobe® Creative Cloud programs (Photoshop®, Illustrator®, and InDesign®). This course is intended for anyone interested in computer graphic design applications.

FT; AA/as; CSU; UC.**ARTF 151 Three-Dimensional Design****24-27 hours lecture/72-81 hours lab; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent**Advisory: Completion of or concurrent enrollment in:**

ARTF 150A with a Grade of "C" or better, or equivalent

This course is an introduction to three-dimensional space and form. Emphasis is placed on organizing visual space into valid and coherent structures. This course is designed for students beginning the study of art and/or related disciplines.

FT; AA/as; CSU; UC; C-ID: ARTS 101.**ARTF 152 Color Theory****24-27 hours lecture/72-81 hours lab; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent and ARTF 150B with a Grade of "C" or better, or equivalent

This course is an introduction to color theory and application. Emphasis is placed on the physical exploration of various color strategies. This course is intended for painters, designers and all students interested in the use of color.

FT; AA/as; CSU; UC; C-ID: ARTS 270.**ARTF 155A Freehand Drawing I****24-27 hours lecture/72-81 hours lab; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This is an introductory course designed to develop the student's ability to perceive and translate visual relationships from 3-dimensional (3-D) space into 2-dimensional (2-D) drawings. Emphasis is placed on the use of art theory, basic art elements and compositional strategies to create pictorial space and compose original images based on observation. This course is intended for art majors and all students interested in learning freehand drawing whether or not they have previous art experience.

FT; AA/as; CSU; UC; C-ID: ARTS 110.**ARTF 155B Freehand Drawing II****24 - 27 hours lecture/72 - 81 hours lab; 3 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** ARTF 155A with a Grade of "C" or better, or equivalent**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This course is an intermediate course in which students apply art principles and theory to create solutions to particular problems of graphic representation and expression. Emphasis is placed on visual analysis and inquiry in creating pictorial space and applying drawing media. Students are introduced to the use of interdisciplinary art forms and image making and explore New Genres as a means of continued intellectual and artistic development. This course is intended for art and graphic art students.

FT; AA/as; CSU; UC; C-ID: ARTS 205.**ARTF 161A Museum Studies/Gallery Exhibition Skills I****24-27 hours lecture/72-81 hours lab; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This course provides theory, instruction, and practical experience in all aspects of design and installation of art exhibitions. This course is also designed to give an overview of the history, functions and operations of art museums. The course is intended for art majors who are interested in exhibiting in galleries, as well as for other students seeking to learn the principles of curating and the functioning of museums. Under the guidance of the instructor, students participate in the installation of three exhibitions per semester.

FT; AA/as; CSU.

ARTF 161B Museum Studies/Gallery Exhibition Skills II**24-27 hours lecture/72-81 hours lab; 3 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** ARTF 161A with a Grade of "C" or better, or equivalent

This second semester course in Museum Studies provides for more extensive understanding of the theory of exhibit display and additional practical experience in all aspects of installation of art exhibitions. This course is designed to examine in detail the functions and operations of art museums and other arts organizations. The course is intended for students planning to pursue a degree or a career in arts administration. Under the guidance of the instructor, students participate in the installation of three exhibitions per semester, taking increasing responsibility with each installation, including overseeing project designs created in the beginning class. Students develop, curate and install an exhibit of their own choosing as their final project.

FT; AA/as; CSU.**ARTF 163 Art Museum/Gallery Internship****192 - 216 hours other; 4 units****Grading:** Letter Grade Only**Prerequisite:** ARTF 161B with a Grade of "C" or better, or equivalent

This course provides directed professional experience in an art museum or gallery in the San Diego area. Emphasis is placed on the practical application of skills related to exhibit installation and development of all aspects of an art exhibition. This course is designed for art majors and anyone interested in museum studies.

FT; AA/as; CSU.**ARTF 165A Composition in Painting I****24-27 hours lecture/72-81 hours lab; 3 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** ARTF 155A with a Grade of "C" or better, or equivalent**Advisory:** ARTF 152 with a Grade of "C" or better, or equivalent and ARTF 150A with a Grade of "C" or better, or equivalent and ENGL C1000 with a Grade of "C" or better, or equivalent

This course is an introduction to oil and acrylic painting methods and techniques. Emphasis is placed on composition, color, and application of general design principles. A variety of subject matter, such as still-life, landscape, portrait and non-objective subjects, and a variety of stylistic approaches such as cubism, collage, realism and expressionism are explored. This course is designed to develop students' creative abilities and critical thinking in visual terms. This course is intended for students majoring in Art and those who wish to improve their artistic skills.

FT; AA/as; CSU; UC; C-ID: ARTS 210.**ARTF 165B Composition in Painting II****24-27 hours lecture/72-81 hours lab; 3 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** ARTF 165A with a Grade of "C" or better, or equivalent

This course is the second semester of introduction to oil and acrylic painting methods and techniques. Emphasis is placed on the concepts of pictorial space, composition, and color. The course is designed to further develop students' creative abilities and critical thinking through the construction of images designed to address specific pictorial problems and goals. This course is intended for students majoring in Art and those who wish to improve their artistic skills.

FT; AA/as; CSU; UC.**ARTF 165C Composition in Painting III****24-27 hours lecture/72-81 hours lab; 3 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** ARTF 165B with a Grade of "C" or better, or equivalent

This course is the third semester of introduction to oil and acrylic painting methods and techniques. Emphasis is placed on composition, color, and application of general design principles at a more advanced level of creativity and sophistication. This course is designed to develop students' creative abilities and critical thinking in visual terms through the use of individual assignments tailored to students' skills. This course is intended for students majoring in Art and those who wish to improve their artistic skills.

FT; AA/as; CSU; UC.**ARTF 165D Composition in Painting IV****24-27 hours lecture/72-81 hours lab; 3 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** ARTF 165C with a Grade of "C" or better, or equivalent

This course is the fourth and final semester of introduction to oil and acrylic painting methods and techniques. Emphasis is placed on contemporary methods and theories related to conceptualism and new genre. Students produce large format and mural scale paintings. This course is designed to develop students' creative abilities and critical thinking in visual terms through the use of individual assignments tailored to students' skills. This course is intended for students majoring in Art and those who wish to improve their artistic skills.

FT; AA/as; CSU; UC.

ARTF 174A Book Arts I**24-27 hours lecture/72-81 hours lab; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ARTF 150A with a Grade of "C" or better, or equivalent or DSGN 100 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for ARTG 174A

This is an introductory level book arts course. Emphasis is placed on the fundamental techniques and principles of constructing hand-made books. Topics include book arts terminology, materials, techniques, basic book structures, and worldwide books. Students develop content in the form of image and text for a hand-crafted book. This course is intended for graphic design students, fine art students, interaction design students, and anyone interested in the art and design of hand-crafted books.

FT; AA/as; CSU; UC.**ARTF 175A Sculpture I****24-27 hours lecture/72-81 hours lab; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ARTF 150A with a Grade of "C" or better, or equivalent

This course is an introduction to sculptural materials, processes, forms, contexts and content. Emphasis is placed on the basic forms and cultural functions of sculpture (past and present). Students produce sculptural artworks under direct guidance of the instructor. This course is intended for students majoring in art and for all students interested in producing three-dimensional art.

FT; AA/as; CSU; UC.**ARTF 175B Sculpture II****24-27 hours lecture/72-81 hours lab; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ARTF 175A with a Grade of "C" or better, or equivalent

This course is an intermediate level course in sculptural materials, processes, forms, context and content. Emphasis is placed on articulation of sculptural goals and experimentation with materials and methods. Students plan and produce sculptural artworks based on original concepts. This course is intended for art majors and for all students interested in working in three-dimensional art.

FT; AA/as; CSU; UC.**ARTF 175C Sculpture III****24 - 27 hours lecture/72 - 81 hours lab; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ARTF 175B with a Grade of "C" or better, or equivalent

This course is an advanced study in sculptural materials, processes, context and content. Emphasis is placed on the refinement of conceptual skills in their selection and pursuit of sculptural goals. Students experiment with advanced-level concepts and materials to create original sculptural artworks, including large scale pieces. This course is intended for art majors and for all students interested in working in three-dimensional art.

FT; AA/as; CSU; UC.**ARTF 188 Women and Gender in Photography****48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent and ARTF 190A with a Grade of "C" or better, or equivalent

This course explores the relationship between gender and photography, concentrating on representations of women and women identified photographers beginning in the 19th century and addressed in the context of the medium's overall development. Issues of gender and gender identity are examined in relation to subject matter, contextual approaches, media, reception and criticism. This interpretive analysis of the significant influence of women and women identified in photography is structured as a balance of lectures, slide presentations, discussion, and portfolio. The course is designed for photographic art majors and all students interested in improving their ability to understand and discuss photography's unique historical, material and narrative potential.

FT; AA/as; CSU; UC.**ARTF 190A Black and White Art Photography****24-27 hours lecture/72-81 hours lab; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

The course provides an introduction to art theory and skill training in analogue photographic image making. Photography is taught as a medium for self-expression, visual literacy and artistic inquiry. Emphasis is on the art making-process, in which photographic images and concepts are explored within social, historical and aesthetic, contexts. Technical instruction is provided in camera operation and exposure, darkroom procedures for film development, print processing and presentation. This course is intended for students preparing for a major in art as well as those interested in photographic processes.

FT; AA/as; CSU; UC.

ARTF 191 Cultural Influences on Photography**48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent and ARTF 190A with a Grade of "C" or better, or equivalent

This course is a study of the emergence of photographic traditions within the context of the social, political, economic and scientific forces that have influenced particular genres in the medium. Emphasis is placed on the interrelation of photography and art and focuses on the evolution of major historical types and schools of image making and their relationship to prevailing cultural concerns. This interpretive analysis of significant developments in photography is structured as a balance of lectures, slide presentations and discussion. The course is designed for photographic art majors and all art students interested in improving their ability to understand and discuss photography's unique historical, material and narrative potential.

FT; AA/as; CSU; UC.**ARTF 194 Critical Photography****48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent and ARTF 190A with a Grade of "C" or better, or equivalent

This course examines principles of art criticism and uses the critical process in conceptualizing and producing photographic images. It explores photographic theory and its application to interpreting and evaluating photographic media. Aesthetic and ethical concerns are presented using historical references and perspectives that allow students to place their own work within the context of contemporary critical issues/concerns. The course examines traditional schools of image making and contemporary thinking and practice as a means to broaden the student's ability in composition, presentation and use of light. This course is designed for photographic art majors and all art students interested in honing their art criticism and studio skills.

FT; AA/as; CSU; UC.**ARTF 195A Ceramics I****24-27 hours lecture/72-81 hours lab; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This is an introductory ceramics course. Emphasis is placed on the design and construction of hand-built and wheel-thrown ceramic forms. This course is designed for art majors and all students interested in developing ceramic skills.

FT; AA/as; CSU; UC.**ARTF 195B Ceramics II****24-27 hours lecture/72-81 hours lab; 3 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** ARTF 195A with a Grade of "C" or better, or equivalent**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This course is an intermediate level ceramics course in which students design and construct wheel thrown and hand-built ceramic objects. Emphasis is placed on form and surface enrichment. This course is designed for art majors and for students interested in developing ceramic skills.

FT; AA/as; CSU; UC.**ARTF 196 Clay and Glaze Technology****24-27 hours lecture/72-81 hours lab; 3 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** ARTF 195A with a Grade of "C" or better, or equivalent**Advisory:** ARTF 195B with a Grade of "C" or better, or equivalent

This course is a study of advanced techniques in clay and glaze formulation, mixing, and testing. Emphasis is placed on the physical and chemical nature of ceramic materials and how they affect glaze fired surface results. This course is intended for students majoring in art and anyone interested in ceramics.

FT; AA/as; CSU; UC.**ARTF 197A Handbuilding Ceramics I****24-27 hours lecture/72-81 hours lab; 3 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** ARTF 195A with a Grade of "C" or better, or equivalent**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This course provides instruction in the design and construction of handbuilt ceramic forms. Students create ceramic objects emphasizing form and surface enrichment, while gaining experience applying glazes and loading kilns. This course is designed for art majors and for students interested in developing ceramic skills.

FT; AA/as; CSU; UC.

ARTF 197B Handbuilding Ceramics II
24-27 hours lecture/72-81 hours lab; 3 units

Grading: Letter Grade or Pass/No Pass

Prerequisite: ARTF 197A with a Grade of "C" or better, or equivalent

This is an advanced level ceramics course in which students design and construct hand-built ceramic forms. Emphasis is placed on form and surface enrichment, weighing, mixing and use of glazes, and loading and firing electric kilns. This course is designed for art majors and for students interested in developing ceramic skills.

FT; AA/as; CSU; UC.

ARTF 198A Introduction to Printmaking I
24-27 hours lecture/72-81 hours lab; 3 units

Grading: Letter Grade or Pass/No Pass

Advisory: ARTF 150A with a Grade of "C" or better, or equivalent and ARTF 155A with a Grade of "C" or better, or equivalent and ENGL C1000 with a Grade of "C" or better, or equivalent

This course is an introduction to the basic printmaking media of intaglio, relief, and monoprinting. Emphasis is placed on the techniques for creating and printing plates. Students investigate papers, select for properties, analyze aesthetic strategies for image making, and practice the principles of editioning and print conservation. This course is designed for art majors and all students interested in printmaking.

FT; AA/as; CSU; UC.

ARTF 198B Introduction to Printmaking II
24-27 hours lecture/72-81 hours lab; 3 units

Grading: Letter Grade or Pass/No Pass

Prerequisite: ARTF 198A with a Grade of "C" or better, or equivalent

This course is the second semester in basic printmaking media. Emphasis is placed on increasingly complex processes, such as photo intaglio, collagraph, and reduction color relief. Students apply aesthetic criteria in analyzing their creative choices and examine contemporary printmaking in world cultures. This course is designed for art and art history majors and all students interested in printmaking.

FT; AA/as; CSU; UC.

ARTF 198C Introduction to Printmaking III
24-27 hours lecture/72-81 hours lab; 3 units

Grading: Letter Grade or Pass/No Pass

Prerequisite: ARTF 198B with a Grade of "C" or better, or equivalent

This course is the third semester in printmaking media. Emphasis is placed on the development of a personal visual language through the application of advanced print processes, such as multiple-plate intaglio, double drop printing, mezzotint, and white ground. Students experiment with combining print processes to create a cohesive body of artwork for presentation. This course is designed for art and art history majors and all students interested in printmaking.

FT; AA/as; CSU; UC.

ARTF 200 Photographic Composition and Theory
24-27 hours lecture/72-81 hours lab; 3 units

Grading: Letter Grade Only

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent

This course is an advanced study of the theory and practice of black and white photographic image making. Emphasis is placed on increasing students' visual literacy with black and white photography from both technical and conceptual perspectives. Topics include composition, creative control of materials, light logic and advanced photographic theory. This course is intended for art majors and all those interested in increasing their competency in photographic image making, exploring new methodologies and producing gallery-level art work.

FT; AA/as; CSU.

ARTF 205A Installation, Performance, and New Genres

24-27 hours lecture/72-81 hours lab; 3 units

Grading: Letter Grade or Pass/No Pass

Advisory: ARTF 175A with a Grade of "C" or better, or equivalent

This course is an introduction to concept-based New Genres art practices. Emphasis is placed on the intersection of form/medium and concept as well as on the role of art in contemporary culture. Students develop concepts based on issues related to social commentary, political action, institutional critique, community involvement, and personal identity and experiment with forms, such as installation, performance, technological, hybrid, and emerging art forms. This course is designed for art majors and anyone interested in contemporary art practices.

FT; AA/as; CSU; UC.

ARTF 210A Life Drawing I**24-27 hours lecture/72-81 hours lab; 3 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** ARTF 155A with a Grade of "C" or better, or equivalent**Advisory:** ARTF 150A with a Grade of "C" or better, or equivalent and ENGL C1000 with a Grade of "C" or better, or equivalent

This is a basic course in drawing the human form as a sequence of studies from live models. Accurate and expressive translations of the mass as two-dimensional drawings are refined in a variety of achromatic media. This course is designed for students who are majoring in fine art and is also a relevant foundation for those that are interested in disciplines that use the human form, such as animation and fashion design.

FT; AA/as; CSU; UC; C-ID: ARTS 200.**ARTF 210B Life Drawing II****24-27 hours lecture/72-81 hours lab; 3 units****Grading:** Letter Grade Only**Prerequisite:** ARTF 210A with a Grade of "C" or better, or equivalent**Advisory:** ARTF 150A with a Grade of "C" or better, or equivalent and ENGL C1000 with a Grade of "C" or better, or equivalent

This is an intermediate course in drawing the human form as a sequence of studies from live models. Students work with color and experiment with concepts related to figure drawing. This course is designed for students who are majoring in fine art and is also a relevant foundation for study in disciplines that use the human form, such as animation and fashion design.

FT; AA/as; CSU; UC.**ARTF 210C Life Drawing III****24-27 hours lecture/72-81 hours lab; 3 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** ARTF 210B with a Grade of "C" or better, or equivalent

This is an advanced course in drawing the human form as a sequence of studies from live models. Students work closely with the instructor to develop, create and present original artwork. This course is designed for students who are majoring in fine art.

FT; AA/as; CSU; UC.**ARTF 220A Life Sculpture I****24-27 hours lecture/72-81 hours lab; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ARTF 150A with a Grade of "C" or better, or equivalent and ARTF 151 with a Grade of "C" or better, or equivalent

This is an introduction to the naturalistic and dynamic representation of the human body. Students sculpt from observation of live, nude models in poses of extended duration. In the process, students come to understand seeing as a learned skill. This course is intended for transfer students planning to major in art and for all students interested in the problems inherent in representing what they see.

FT; AA/as; CSU; UC.**ARTF 220B Life Sculpture II****24-27 hours lecture/72-81 hours lab; 3 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** ARTF 220A with a Grade of "C" or better, or equivalent**Advisory:** ARTF 150A with a Grade of "C" or better, or equivalent and ARTF 151 with a Grade of "C" or better, or equivalent

This course continues the introduction to naturalistic and dynamic representation of the human body, done from observation of live models in poses of extended duration. This course is intended for transfer students planning to major in art and for all students interested in developing skills of naturalistic representation.

FT; AA/as; CSU; UC.**ARTF 220C Life Sculpture III****24-27 hours lecture/72-81 hours lab; 3 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** ARTF 220B with a Grade of "C" or better, or equivalent**Advisory:** ARTF 150A with a Grade of "C" or better, or equivalent and ARTF 151 with a Grade of "C" or better, or equivalent

In this course students learn to extend their skill in representing the human figure convincingly in three dimensions to naturalistic representation in more than one style. This course is intended for transfer students planning to major in art and for all students interested in developing sophisticated skills of naturalistic representation.

FT; AA/as; CSU; UC.

ARTF 231 Introduction to Digital Art**24-27 hours lecture/72-81 hours lab; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ARTF 150A with a Grade of "C" or better, or equivalent

ARTF 155A with a Grade of "C" or better, or equivalent

Advisory: Concurrent enrollment in: MULT 100 or ARTF 150B

This course provides an overview of digital art strategies and practices and their relationship to traditional fine art practices. Emphasis is placed on the development of computer technology and its impact on contemporary art since the 1960s. Discussions and studio assignments encompass digital imaging strategies, software art, teleconference art, interactive art, immersive installation art, web art/distance art and activism. Motion-based media such as digital animation, and digital video are also discussed. This course is designed for students interested in digital art.

FT; AA/as; CSU; UC; C-ID: ARTS 250.**ARTF 232 Introduction to Digital Drawing and Painting****24-27 hours lecture/72-81 hours lab; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ARTF 231 with a Grade of "C" or better, or equivalent or ARTF 155A with a Grade of "C" or better, or equivalent and ARTF 165A with a Grade of "C" or better, or equivalent and **Advisory: Concurrent enrollment in:** MULT 100 and **Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This course provides an overview of digital art strategies and practices and their relationship to traditional fine art drawing and painting. Students produce digital drawings and paintings using digital raster and vector based applications to creatively replicate and expand traditional drawing and painting media. Students extend and explore the hand drawn mark and painted surface in the digital realm. This course is designed for fine art and multimedia students.

FT; AA/as; CSU; UC.**ARTF 233 Introduction to Digital Photographic Imaging****24-27 hours lecture/72-81 hours lab; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ARTF 190A with a Grade of "C" or better, or equivalent

ARTF 231 with a Grade of "C" or better, or equivalent

ARTF 150A with a Grade of "C" or better, or equivalent

Advisory: Concurrent enrollment in: MULT 100 or ARTF 150B

This course provides an overview of digital photographic art strategies and practices and their relationship to traditional photographic fine art practices. Emphasis is placed on the digital camera, digital photo image processing, digital photomontage, and mixed media compositions. The students are introduced to the manipulation and production of digital image compositions using software applications such as Adobe Photoshop to extend traditional photographic art strategies. This course is designed for fine art and multimedia students.

FT; AA/as; CSU; UC.**ARTF 260 Studio Art Studies****24-27 hours lecture/72-81 hours lab; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ARTF 155B with a Grade of "C" or better, or equivalent or ARTF 165D with a Grade of "C" or better, or equivalent or ARTF 175C with a Grade of "C" or better, or equivalent or ARTF 197B with a Grade of "C" or better, or equivalent or ARTF 198C with a Grade of "C" or better, or equivalent or ARTF 200 with a Grade of "C" or better, or equivalent or ARTF 232 with a Grade of "C" or better, or equivalent

This course is intended for advanced art students. Students enrolled in this course work closely with the instructor to develop a transfer portfolio, artist statement, curatorial concept and/or resume exhibition list.

FT; AA/as; CSU.**ARTF 280A 2-Dimensional Art Studio Lab****48-54 hours lab; 1 unit****Grading:** Pass/No Pass Only**Corequisite:** ARTF 150A or ARTF 152 or ARTF 155A or ARTF 155B or ARTF 165A or ARTF 165B or ARTF 165C or ARTF 165D or ARTF 174A or ARTF 198A or ARTF 198B or ARTF 198C or ARTF 210A or ARTF 210B or ARTF 210C

This course is a supervised studio laboratory in 2-dimensional media. Emphasis is placed on technical refinement of personal drawing and painting skills. This course is designed for fine art majors.

FT; AA/as; CSU.

ARTF 280B 3-Dimensional Art Studio Lab**48-54 hours lab; 1 unit****Grading:** Pass/No Pass Only**Corequisite:** ARTF 151 or ARTF 175A or ARTF 205A or ARTF 220A or ARTF 220B or ARTF 220C

This course is a supervised studio laboratory in 3-dimensional media. Emphasis is placed on technical refinement of fabrication skills specific to the various media explorations presented in the accompanying courses. This course is designed for fine art majors.

ARTF 280C Ceramics Studio Lab**48-54 hours lab; 1 unit****Grading:** Pass/No Pass Only**Corequisite:** ARTF 195A or ARTF 195B or ARTF 197A or ARTF 197B

This course is a supervised studio laboratory in ceramics. Emphasis is placed on technical refinement of personal ceramic skills. This course is designed for fine arts majors. Students must demonstrate increased proficiency with each repetition.

ARTF 280D Digital Art Studio Lab**48-54 hours lab; 1 unit****Grading:** Pass/No Pass Only**Corequisite:** ARTF 231 or ARTF 232 or ARTF 233

This is a supervised studio laboratory in digital art and graphic design. Emphasis is placed on the technical refinement of digital imaging skills. This course is designed for fine art majors.

ARTF 280E Museum Studies Lab**48-54 hours lab; 1 unit****Grading:** Pass/No Pass Only**Corequisite:** ARTF 161A or ARTF 161B or ARTF 163

This course is a supervised studio laboratory in digital support for Museum Studies. Emphasis is placed on the exploration and refinement of technical skills specific to the creation of digital documents that support museum and art exhibits. This course is designed for fine art majors.

ARTF 280F Photography Studio Lab**48-54 hours lab; 1 unit****Grading:** Pass/No Pass Only**Corequisite:** ARTF 190A or ARTF 194 or ARTF 200

This course is a supervised studio laboratory for students concurrently enrolled in Art Department Photography classes. Emphasis is placed on the refinement of students' photographic and visual development in film processing, printing, studio work and print finishing. This course is designed for fine art majors.

ARTF 290 Independent Study**48-162 hours other; 1-3 units****Grading:** Letter Grade or Pass/No Pass**Limitation on Enrollment:** Obtain Permission Number from Instructor

This course is designed for students who wish to conduct additional research, a special project, or learning activities in the field of art/fine art. It is not intended to replace an existing course in the discipline. In this course students have a written contract with their instructor for activities such as: preparing problem analyses, engaging in primary research, preparing reports, and meeting with the instructor at specific intervals.

FT; AA/as; CSU; UC.

ASTR-Astronomy**ASTR 101 Descriptive Astronomy****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass

This course is an introductory survey of contemporary astronomy. Topics covered include the solar system, stars and stellar evolution, the Milky Way galaxy and cosmology. This course is intended for students with a general interest in astronomy.

FT; AA/as; CSU; UC.**ASTR 102 Exploring The Solar System And Life Beyond The Earth****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass

This course investigates the origin of our Solar System and how its contents changed with time. Analysis of the physical properties of planets, moons, rings, comets, asteroids are explored. This course surveys the history of space exploration and recent discoveries of exoplanets. Additionally, it explores potential for life elsewhere in Solar System and beyond. Challenges of space travel are also examined. This course is designed for students interested in exploring Astronomy.

FT; AA/as; CSU; UC.

ASTR 109 Practice in Observing**48-54 hours lab; 1 unit****Grading:** Letter Grade or Pass/No Pass**Corequisite: Completion of or concurrent enrollment****in:** ASTR 101 with a Grade of "C" or better, or equivalent or ASTR 102 with a Grade of "C" or better, or equivalent

This is a laboratory field experience course in general astronomy. Emphasis is placed on the constellations, celestial cycle interpretation, and descriptive observations of astronomical objects and events with and without the use of telescopes. This course is for all students interested in field experience in general astronomy.

FT; AA/as; CSU; UC.**ASTR 111 Astronomy Laboratory****48-54 hours lab; 1 unit****Grading:** Letter Grade or Pass/No Pass**Corequisite: Completion of or concurrent enrollment****in:** ASTR 101 with a Grade of "C" or better, or equivalent or ASTR 102 with a Grade of "C" or better, or equivalent

This laboratory course features exercises and experiments covering the range of topics in astronomy. The course deals with the foundations of astronomy, and may include telescopes, planetary astronomy, stellar astronomy and galactic astronomy. Indoor exercises may involve computer simulations. Outdoor exercises may be required. This course is designed for students interested in astronomy.

FT; AA/as; CSU; UC.**ASTR 290 Independent Study****48-162 hours other; 1-3 units****Grading:** Letter Grade or Pass/No Pass**Limitation on Enrollment:** Obtain Permission Number from Instructor

This course is for students who wish to conduct additional research, a special project, or learning activities in the field of astronomy. It is not intended to replace an existing course in the discipline. In this course students will have a written contract with their instructor for activities such as: preparing problem analyses, engaging in primary research, preparing reports, and meeting with the instructor at specific intervals.

BIOL-Biology**BIOL 100 Natural History - Environmental Biology****48-54 hours lecture/48-54 hours lab; 4 units****Grading:** Letter Grade or Pass/No Pass

This course is an introduction to the basic principles of ecology. Emphasis is placed on the biological systems, plants, and animals of Southern California through lecture, laboratory, and field trips. Topics include the nature of the physical environment, terrestrial and aquatic ecosystems, evolution and biodiversity, species interactions, and human impacts on natural systems. This course is intended for students interested in environmental biology.

FT; AA/as; CSU; UC.**BIOL 107 General Biology-Lecture and Laboratory****48-54 hours lecture/48-54 hours lab; 4 units****Grading:** Letter Grade Only**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent or ENGL 105 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for BIOL 105 & 106, 210A, or 210B

This course is an examination of living organisms and their environment. The lecture and laboratory are intended for students in the Allied Health Track or students majoring in Education or related areas. Topics include the fundamental chemical and physical processes common to all living organisms, the interactions between organisms and their environment, classical and molecular genetics, metabolism, plant and animal anatomy and physiology, animal behavior, evolution, cellular and molecular biology, and the experimental and cognitive processes used to examine these fields.

FT; AA/as; CSU; UC.

BIOL 110 Introduction to Oceanography**48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This course is a survey of physical, chemical, geological, and biological oceanography. This course is designed for all students interested in marine science.

FT; AA/as; CSU; UC.**BIOL 115 Marine Biology****48-54 hours lecture/48-54 hours lab; 4 units****Grading:** Letter Grade Only**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This course is a survey of marine biology. Emphasis is placed on marine organisms, their ecology and their evolutionary adaptations to marine habitats of the ocean environment. Topics include the marine environment and its organisms: plankton, plants, invertebrates, fishes, birds, reptiles, and mammals. Field trips include local marine habitats, aquaria and museums. This course is intended for all students interested in marine biology.

FT; AA/as; CSU; UC.**BIOL 120 The Environment of Man****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This is an introductory course that examines the immediate and long-range causes and effects of air, water, and land pollution on the environment and human health. The course also explores basic concepts of ecology, overpopulation, natural resources, and the sustainability of the environment and its biodiversity. The study of positive solutions to the ecological dilemma is addressed. This course is designed for general students interested in the environment and for those students majoring in environmental sciences.

FT; AA/as; CSU; UC.**BIOL 130 Human Heredity****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent or ENGL 105 with a Grade of "C" or better, or equivalent

This course introduces students to the concepts and applications of human heredity. It deals with both classical Mendelian genetics and modern molecular genetics. Topics include gamete formation, human karyotypes, genetic crosses, sex-linked inheritance, structure and function of DNA and RNA, gene expression, transcription and translation, genetic engineering, and population genetics. This course is designed for students interested in biology and human heredity.

FT; AA/as; CSU; UC.**BIOL 160 Elements of Human Anatomy and Physiology****48-54 hours lecture/48-54 hours lab; 4 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for BIOL 230 or 235

This course is an introduction to the structure and functions of the human body. Emphasis is placed on the human body systems including the integumentary, skeletal, muscular, nervous, endocrine, reproductive, cardiovascular, lymphatic and immune, respiratory, urinary, and digestive systems. This course is designed for students preparing for allied health occupations such as radiological technician, physical therapist assistant, and medical laboratory technician, as well as students interested in learning about the human body.

BIOL 180 Plants and People**48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This is an introductory course that examines the interdependence of humans and plants. This course is intended for all that want to learn about the uses of plants, especially those students with an interest in biology, anthropology, environmental sciences, and/or agriculture. Emphasis is on plant ecology as well as the basic biology of plant groups that provide us with food, medicine, recreation, decoration, and material goods, as well as those that produce stimulating, intoxicating, or harmful effects. Basic principles of taxonomy, cell structure, plant physiology, plant anatomy, ecology, and genetics are explored as they relate to these plants. Current environmental and economic issues and the role of molecular genetics in future plant development and the importance of genetic diversity are also examined.

FT; AA/as; CSU; UC.**BIOL 200 Biological Statistics****32-36 hours lecture/48-54 hours lab; 3 units****Grading:** Letter Grade Only**Prerequisite:** BIOL 107 with a Grade of "C" or better, or equivalent or BIOL 210A with a Grade of "C" or better, or equivalent and MATH 116 with a Grade of "C" or better, or equivalent

BIOL 107, BIOL 210A and MATH 116 completed within five years of enrollment in BIOL 200

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent or ENGL 105 with a Grade of "C" or better, or equivalent

This is an introductory course in statistics using biological examples and experimental design. Students learn methods and gain experience in defining and solving quantitative problems in biology. Descriptive and inferential statistics, basic probability and normal distributions are introduced. Students learn to estimate population parameters, test hypotheses, linear regression and correlation using clinical and biological data and experiments. This course is intended for students majoring in biological science.

FT; AA/as; CSU; UC; C-ID: SOCI 125.**BIOL 205 General Microbiology****48-54 hours lecture/96-108 hours lab; 5 units****Grading:** Letter Grade Only**Prerequisite:** BIOL 107 with a Grade of "C" or better, or equivalent or BIOL 210A with a Grade of "C" or better, or equivalent and CHEM 100 with a Grade of "C" or better, or equivalent and CHEM 100L with a Grade of "C" or better, or equivalent or CHEM 103 with a Grade of "C" or better, or equivalent or CHEM 152 with a Grade of "C" or better, or equivalent and CHEM 152L with a Grade of "C" or better, or equivalent

This introductory course covers fundamental aspects of microbiology including taxonomy, structure, physiology, reproduction, genetics, control, immunology, diversity, and host-symbiont relationships. Lab work emphasizes basic techniques for culturing, staining, counting, and identifying microorganisms. This course is intended for students pursuing careers in allied health fields and may meet entry requirements for these allied health fields.

FT; AA/as; CSU; UC.**BIOL 210A Introduction to the Biological Sciences I****48-54 hours lecture/48-54 hours lab; 4 units****Grading:** Letter Grade Only**Prerequisite:** CHEM 152 with a Grade of "C" or better, or equivalent and CHEM 152L with a Grade of "C" or better, or equivalent and Successful completion of Intermediate Algebra with a "C" or better or appropriate placement based on California title 5 regulations. All prerequisites must be completed within five years of enrollment in BIOL 210A.**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent and **Advisory: Concurrent enrollment in:** CHEM 200 and CHEM 200L

This course covers biological chemistry, cell structure and function, cellular metabolism, classical and molecular genetics, and the molecular basis of evolutionary biology. This is the first semester of a two-semester sequence designed for biological science and pre-professional majors.

FT; AA/as; CSU; UC.

BIOL 210B Introduction to the Biological Sciences II

48-54 hours lecture/48-54 hours lab; 4 units

Grading: Letter Grade or Pass/No Pass

Prerequisite: BIOL 210A with a Grade of "C" or better, or equivalent

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent

This course covers the three domains of life, including the phylogenetic relationships of major groups of organisms. Topics include adaptive radiation, anatomy, physiology, development, behavior, and ecology. This is the second semester of a two-semester sequence designed for biological science and pre-professional majors.

FT; AA/as; CSU; UC; C-ID: BIOL 140.

BIOL 215 Introduction to Zoology

32-36 hours lecture/96-108 hours lab; 4 units

Grading: Letter Grade Only

Prerequisite: BIOL 107 with a Grade of "C" or better, or equivalent

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent or ENGL 105 with a Grade of "C" or better, or equivalent

This is an introductory course that surveys the basic principles of animal biology. These principles include morphology, life processes and evolutionary relationships of the invertebrates and vertebrates. Laboratories include the identification of organisms, dissection and recognition of the anatomy of varied animal representatives, embryological development, histology, behavior and physiology. This course is intended for students majoring in Biological Science, Allied Health and Animal Science.

FT; AA/as; CSU; UC.

BIOL 230 Human Anatomy

32-36 hours lecture/96-108 hours lab; 4 units

Grading: Letter Grade Only

Prerequisite: BIOL 107 with a Grade of "C" or better, or equivalent or BIOL 160 with a Grade of "C" or better, or equivalent or BIOL 210A with a Grade of "C" or better, or equivalent

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent

This course is a systems approach to the study of human body structure from the microscopic level of organization to the gross level. Students relate body structures to their functions by studying histological slides and photomicrographs, anatomical models and charts, and mammalian dissection, which may include using prosected cadavers for studying and testing. This course is intended for students majoring in nursing, allied health (e.g. physical therapy, occupational therapy, chiropractic, etc.), psychology, athletic training, physical education, and biology, or those who wish to extend their knowledge of the human body beyond the scope of introductory biology.

FT; AA/as; CSU; UC.

BIOL 232 Experience in Human Dissection

48-54 hours lab; 1 unit

Grading: Letter Grade or Pass/No Pass

Prerequisite: BIOL 230 with a Grade of "C" or better, or equivalent

This course provides a supervised study and actual experience in human dissection. Topics include dissection techniques and human anatomy. This course is intended for students pursuing careers in nursing, medicine, and other allied health professions.

FT; AA/as; CSU.

BIOL 235 Human Physiology

48-54 hours lecture/48-54 hours lab; 4 units

Grading: Letter Grade or Pass/No Pass

Prerequisite: BIOL 107 with a Grade of "C" or better, or equivalent or BIOL 210A with a Grade of "C" or better, or equivalent

Advisory: BIOL 230 with a Grade of "C" or better, or equivalent and CHEM 100 with a Grade of "C" or better, or equivalent and CHEM 100L with a Grade of "C" or better, or equivalent

This course is an introductory study of human body functions. Emphasis is placed on the nervous, endocrine, muscular, cardiovascular, immune, digestive, respiratory, urinary and reproductive systems. The laboratory component focuses on investigating and applying the scientific method to the understanding the function of bodily systems. This course is intended for students majoring in nursing, allied health, psychology, biology and physical education.

FT; AA/as; CSU; UC; C-ID: BIOL 120B.

BIOL 250 Introduction to Botany**32-36 hours lecture/96-108 hours lab; 4 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This course is an introduction to the fundamental principles of the anatomy, development, physiology, reproductive biology, genetics, ecology and evolution of the major plant groups, with emphasis on the flowering plants. The course is targeted towards students with no previous college level biology, but is also appropriate as a lower division course for biology majors.

FT; AA/as; CSU; UC.**BIOL 290 Independent Study****48-162 hours other; 1-3 units****Grading:** Letter Grade or Pass/No Pass**Limitation on Enrollment:** Obtain Permission Number from Instructor

This course is designed for students who wish to conduct additional research, a special project, or learning activities in the field of biology. It is not intended to replace an existing course in the discipline. In this course students have a written contract with their instructor for activities such as: preparing problem analyses, engaging in primary research, preparing reports, and meeting with the instructor at specific intervals.

BLAS-Black Studies**BLAS 100 Introduction to Black Studies****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass

This course is an overview of the Black Studies discipline including its social and academic origins, goals and development. Emphasis is placed on providing students with an understanding of the fundamental areas of study within the field and of the interdisciplinary approach to studying the African experience in America and the world. This course is intended for students majoring in Black Studies and Ethnic Studies; and all students interested in general knowledge of the Black experience.

BLAS 104 Black Psychology**48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass

This course is an introduction to psychological concepts and principles as they relate to African American behaviors, perspectives and lifestyles. Emphasis is placed on comparing Euro-American theories as they have been traditionally applied to African Americans with contemporary Afri-centric theories and the ways in which they may be applied to create a greater understanding of the behaviors, lifestyles and psychological needs of African Americans. This course is intended for students majoring Black Studies and students interested in the Ethnic Studies aspects of psychology.

FT; AA/as; CSU; UC.**BLAS 110 African American Art****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass

This course is a historical survey of African American art from 1650 to present, including the influence of African, European and Native American art styles and traditions. This course is intended for students majoring in Black Studies, Ethnic Studies and Art; and all students interested in history, humanities, teaching, travel, and cultural enrichment from the Black experience.

FT; AA/as; CSU; UC.**BLAS 111 Cultural Influences on African Art****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass

This course is a survey of the cultural influences on African art and architecture from the prehistoric period to present. Emphasis is placed on cultural practices that utilize art objects in the form of ritual, oral history and performance. This course is designed for all students interested in the cultural history of Africa in relation art, art history and the humanities.

FT; AA/as; CSU; UC.**BLAS 116 Contemporary Social Problems from a Black Perspective****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass

This course is a sociological analysis of institutional racism, the process of social change and how it affects African Americans. Emphasis is placed on broad contemporary issues as they relate to African Americans, such as the prison industrial complex, gender and health care. This course is intended for Black Studies majors and anyone interested in Ethnic Studies, history, teaching and current events.

FT; AA/as; CSU; UC.

BLAS 120 Black Music
48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

This course is a study of African American musical forms and styles in historical perspective. Emphasis is placed on providing students with an appreciation for the African roots of a variety of African American music genres. This course is intended for students majoring in Black Studies and Ethnic Studies; and all students interested in the history of African American music.

FT; AA/as; CSU; UC.

BLAS 125 Dynamics of the Black Community
48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

This course is an introduction to the varying dynamics of the Black community. Emphasis is placed on creating an appreciation for the Black community's unique attributes, resources, and contributions to the larger community. Students visit Black community organizations, institutions and/or businesses to identify a critical need and to develop a corresponding action plan. This course is intended for students majoring in Black Studies and Ethnic Studies; and all students interested in understanding the dynamics of the Black community.

FT; AA/as; CSU; UC.

BLAS 130 The Black Family
48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

This course is a study of the African American family. Emphasis is placed on the socio-cultural and psychological issues surrounding the history of the Black family in America. Topics include contemporary African American dating, marriage and divorce patterns, gender roles and extended family, kin and community networks. This course is intended for students majoring in Black Studies and Ethnic Studies; and all students interested in the historical and contemporary perspective of the Black family.

FT; AA/as; CSU; UC.

BLAS 140A African American History to Reconstruction
48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

This survey course examines United States History from an African American lens from the Colonial period to 1877. The course content centers on the contributions, impact, and significance of African American experiences and focuses on the political, social, economic, and cultural development of the country. This course is intended for all students interested in Black Studies, Ethnic Studies, and the history of the U.S. from an African American perspective.

FT; AA/as; CSU; UC.

BLAS 140B African American History since Reconstruction to the Present
48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

This survey course examines United States History from an African American lens from Reconstruction to the present. The course content centers the contributions, impact and significance of African American experiences and focuses on political, social, economic, cultural, and intellectual trends, the persistence of racism, and the struggle for full equality affecting all Americans. This course is intended for all students interested in Black Studies, Ethnic Studies, and the history of the U.S. from an African American perspective.

BLAS 145A Introduction to African History
48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent

This course is a survey of African History from the Stone Age through the beginnings of European colonization in the 1870s. Emphasis is placed on providing students with a broad presentation of the geographical features of the continent and its connections to the rest of the world, local and regional cultural, political, economic and social institutions, slavery, European conquest and colonization, and African resistance to colonization. This course is intended for students majoring in black studies or history and for all students interested in African history.

FT; AA/as; CSU; UC.

BLAS 145B Introduction to African History
48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent

This course is a survey of African History from the late nineteenth century to the present. Emphasis is placed on providing students with a broad presentation of European colonization and colonial rule, African independence movements, nation-building, economic development and the continuing quest for African unity. This course is intended for students majoring in black studies or history and for all students interested in African history.

FT; AA/as; CSU; UC.

BLAS 150 Black Women in Literature, Film and the Media**48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This course analyzes stereotypical, contemporary and self images of African women in literature, film and media. This course is designed for Black Studies and Ethnic Studies majors, and all students interested in literature, film and media.

FT; AA/as; CSU; UC.**BLAS 155 African American Literature****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass

This course is a survey of African American cultural expression through language and literature in historical perspective. Emphasis is placed on the cultural, ethnic, and political dynamics that influence literary, musical and theoretical texts. Topics include African praise songs, slave narratives, African American folktales, poetry, lyrics, spirituals, raps, short stories, novels, speeches and essays. This course is for students majoring in Black Studies and Ethnic Studies; and all students interested in literature from an African American perspective.

FT; AA/as; CSU; UC.**BLAS 165 Sexuality and Black Culture****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for BLAS 265: Psychology and Social Aspects of Black Sexuality

This course is an in-depth study and analysis of the social and psychological factors that determine the nature of human sexuality in the African-American community. This course is intended for students majoring in Black Studies and Ethnic Studies; and all students interested in sexuality and the African-American community.

FT; AA/as; CSU; UC.**BLAS 175 Psycho-History of Racism and Sexism****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This course is an analytical study of the historical and psychological impact of racism and sexism on people in American society and culture. Emphasis is placed on the impact of racism and sexism on human relations in America. This course is intended for students majoring in Black Studies and Ethnic Studies; and all students interested in addressing issues related to racism and sexism.

BLAS 290 Independent Study**48-162 hours other; 1-3 units****Grading:** Letter Grade or Pass/No Pass**Limitation on Enrollment:** Obtain Permission Number from Instructor

This course is designed for students who wish to conduct additional research, a special project, or learning activities in the field of African American Studies. It is not intended to replace an existing course in the discipline. In this course students have a written contract with their instructor for activities such as: preparing problem analyses, engaging in primary research, preparing reports, and meeting with the instructor at specific intervals.

BLDC-Building Construction Technology

BLDC 55 Construction Plan Reading**48-54 hours lecture; 3 units****Grading:** Letter Grade Only

Limitation on Enrollment: This course is not open to students with previous credit for BLDC 120. This course is a practical study of the use and interpretation of construction plans. Students extract construction requirements from building plans and specifications to obtain information needed to install and direct construction, perform building inspections, prepare estimates, perform appraisals, and maintain buildings. This course is intended for students in Architecture, Interior Design, or Building Construction Technology programs and others who are pursuing careers in these fields.

FT; AA/as.**BLDC 62 Construction Practices I****48-54 hours lecture; 3 units****Grading:** Letter Grade Only

Limitation on Enrollment: This course is not open to students with previous credit for BLDC 130 or BLDC 60. This course provides instruction related to the practical application of basic framing and layout techniques commonly used in residential and commercial light framing. It is intended for students in Building Construction Technology and Architecture, as well as trade practitioners or others pursuing a career in the construction industry.

FT; AA/as.**BLDC 63 Construction Practices II****48-54 hours lecture; 3 units****Grading:** Letter Grade Only

Limitation on Enrollment: This course is not open to students with previous credit for BLDC 170 or BLDC 61. This course is a study of building practices. Emphasis is placed on basic carpentry and finish techniques as well as the integration of plumbing and electrical systems in residential buildings. Topics include coordinating with other trades, building codes and required regulatory inspections. This course is intended for students in the construction management or inspection programs and anyone interested in residential construction practices.

FT; AA/as.**BLDC 65 Building Inspection****48-54 hours lecture; 3 units****Grading:** Letter Grade Only

Advisory: ARCH 130 with a Grade of "C" or better, or equivalent and BLDC 68 with a Grade of "C" or better, or equivalent and BLDC 70 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for BLDC 245. This class provides students with the skills required to apply the structural and architectural prescriptive requirements of the California Building Code and zoning regulations for design, construction, and inspection of buildings and other fixed works. This course is intended for students in Architecture, Interior Design, and Building Construction Technology, as well as for inspectors, contractors, persons seeking ICC inspection certifications, and construction quality control/assurance personnel.

FT; AA/as.**BLDC 68 Electrical, Plumbing and Mechanical Codes****48-54 hours lecture; 3 units****Grading:** Letter Grade Only

Limitation on Enrollment: This course is not open to students with previous credit for BLDC 268. This course is a practical study of the application and interpretation of the California Electrical Code, the California Plumbing Code, the California Mechanical Code, and their relation to other California building codes and their source model codes. This course is designed for students in Architecture, Interior Design, Building Construction Technology, designers, inspectors, contractors, trades people and others interested in building codes.

FT; AA/as.**BLDC 70 Building Codes and Zoning****48-54 hours lecture; 3 units****Grading:** Letter Grade Only

Limitation on Enrollment: This course is not open to students with previous credit for BLDC 260. This course provides students, design professionals, inspectors, appraisers, and construction trade persons with the skills to locate and apply California Building Code (CBC) and local zoning regulations. Emphasis is placed on building design, plan review, and fire and life safety issues. This course is intended for students in Architecture, Building Construction Technology, Interior Design, and inspectors, plancheckers, contractors and others with an interest in the application of California Building Code provisions.

FT; AA/as.

BLDC 75 Construction Management I**48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Limitation on Enrollment:** This course is not open to students with previous credit for BLDC 250

This course is a practical study of construction project management. Emphasis is placed on Project Management Institute vocabulary and methodology. Topics include contract terms and conditions within the context of project scope management, project time management, project cost management, project quality management, project resource management, project communications management, project risk management, and project procurement management while satisfying project deliverables. This course is designed for students in Architecture, Building Construction Management, superintendents, and others with an interest in project management.

FT; AA/as.**BLDC 80 Construction Project Management and Scheduling****48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Advisory:** BLDC 75 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for BLDC 255

This course is a practical study of construction project management and scheduling. Emphasis is placed on the vocabulary, technology, tools and techniques, risks, and contractual issues related to the development, acceptance, execution, monitoring, and modification of project schedules as they relate to stakeholders and project deliverables. This course is intended for students in Architecture and Construction Management as well as contractors, subcontractors superintendents and others with an interest in project management and scheduling.

FT; AA/as.**BLDC 95 Building Contractor's License Law****48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Limitation on Enrollment:** This course is not open to students with previous credit for BLDC 295

This course provides students with the knowledge and skills required to apply the rules and regulations governing construction contracting in California. Emphasis is placed on preparing students to sit for the License Law portion of the various Contractor's License exams administered by the California Contractor's State License Board. This course is intended for students in the Architecture, Interior Design, and Building Construction Technology programs and persons planning on taking the contractor's license examination or who are interested in utilizing construction contracting services.

FT; AA/as.**BLDC 290 Independent Study****48-162 hours other; 1-3 units****Grading:** Letter Grade Only**Limitation on Enrollment:** Obtain Permission Number from Instructor

This course is for students who wish to conduct additional research, a special project, or learning activities in Building Construction Technology and is not intended to replace an existing course within the program. In this course students will have a written contract with their instructor for activities such as: problem analysis, engaging in primary research, preparing reports, and meeting with the instructor at specific intervals. This course is for students who wish to work on special projects.

BUSE-Business

BUSE 100 Introduction to Business**48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Advisory:** BUSE 92 with a Grade of "C" or better, or equivalent

This introductory course for both business and non-business majors provides a broad understanding of the business community, including how culture; society; economic systems; legal, international, political, and financial institutions; and human behavior interact to affect a business organization's policies and practices within the U.S. and a global society. Topics include business functions and terminology; organizational structure and design; leadership; human resource management; organized labor practices; marketing; organizational communication; technology; entrepreneurship; legal, accounting, and financial practices; the stock and securities market; and business career planning. This course is intended for students majoring in Business or anyone interested in the function and role of the business community.

FT; AA/as; CSU; UC.**BUSE 101 Business Mathematics****48-54 hours lecture; 3 units****Grading:** Letter Grade Only

This course provides a comprehensive study of mathematical concepts and computational techniques used in business. Topics include the mathematics of bank services; payroll; buying and selling; interest and loans; taxes; insurance; depreciation; and annuities, stocks, and bonds. Students also use descriptive statistics to evaluate business-related data and quantitative reasoning skills to select among different options in business-related decisions. This course is intended for students majoring in business or others who work or intend to work in a business setting such as managers, supervisors, or work team members.

FT; AA/as; CSU.**BUSE 115 Statistics for Business****48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Prerequisite:** Successful completion of Intermediate Algebra with a "C" or better or appropriate placement based on California title 5 regulations.**Advisory:** CBTE 140 with a Grade of "C" or better, or equivalent or CBTE 143 with a Grade of "C" or better, or equivalent

This course is a study of statistical analysis. Topics include descriptive statistics, probability, sampling and sampling distributions, confidence intervals, hypothesis testing, analysis of variance (ANOVA), and regression and correlation analyses as aids for business decision making. This course is designed for students majoring in business, economics, information technology, social science, or related fields.

FT; AA/as; CSU; UC; C-ID: MATH 110.**BUSE 119 Business Communications****48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Prerequisite:** ENGL C1000 with a Grade of "C" or better, or equivalent

This course applies the principles of effective and ethical communication to the creation of letters, memos, emails, and written and oral reports for a variety of business situations. The course emphasizes the development, analysis, organization, and composition of various types of professionally written messages, analytical reports, and business presentations using word processing and presentation-graphics software. Other topics include interpersonal communication, electronic media, and international/cross-cultural communication. This course is intended for students majoring in business and for others working in a business environment.

FT; AA/as; CSU; C-ID: BUS 115.

BUSE 120 Personal Financial Management**48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Limitation on Enrollment:** This course is not open to students with previous credit for CONF 110

This course is an introduction to the principles of personal finance and money management. Students examine their personal relationships with money and explore the psychological, sociological, and physiological factors that influence financial decisions. Emphasis is placed on financial goal setting, culminating in the development of a personal budget and financial plan. Other topics include income generation and career planning; effective spending decisions including major consumer purchases and real estate; savings strategies; credit building; insurance; retirement and estate planning; investment options; and the interrelationships among financial, social, physical, and mental health. This course is intended for all students interested in personal finance and money management.

FT; AA/as; CSU; UC.**BUSE 127 Social Media for Business****48-54 hours lecture; 3 units****Grading:** Letter Grade Only

This course explores the use of social media in business. Students learn how to develop a social media strategy to promote business and build strong customer relations utilizing best practices in digital content development and distribution. Topics include foundations of social media and digital marketing, overview of social media platforms and methods for measuring and evaluating performance. This course is designed for students majoring in business or marketing, others working in a business environment or those interested in digital marketing.

FT; AA/as; CSU.**BUSE 129 Introduction to Entrepreneurship****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass

Students in this course develop an understanding of the complex tasks faced by individuals engaged in entrepreneurial activities. Emphasis is placed on understanding and identifying the psychological traits and behaviors of the entrepreneurial mindset, the ideation process, feasibility planning, financial projections and startup budgets, resource acquisition, pitching a business idea, and the conceptual steps for launching a new business venture. This course is designed for all students interested in understanding entrepreneurship and how small businesses prepare to launch.

FT; AA/as; CSU.**BUSE 140 Business Law and the Legal Environment****48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent or BUSE 92 with a Grade of "C" or better, or equivalent

This course introduces students to the legal system, the laws that govern business in America, and the principles underlying fundamental legal concepts. Topics include judicial and administrative systems; ethics; contracts; torts; bankruptcy; agency; business organizations and ownership types; government agencies and regulation; protection of intellectual property interest; and the international business environment. This course is intended for students majoring in business and for others interested in business law.

FT; AA/as; CSU; UC; C-ID: BUS 120, BUS 125.**BUSE 150 Human Relations in Business****48-54 hours lecture; 3 units****Grading:** Letter Grade Only

This course introduces students to human behavior as it relates to business. Topics include leadership, communication, status, decision making, motivation, and personnel problems. This course is intended for students majoring in business and others who work or intend to work in a business setting such as managers, supervisors, and work team members.

FT; AA/as; CSU.**BUSE 155 Small Business Management****48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Advisory:** BUSE 101 with a Grade of "C" or better, or equivalent and BUSE 100 with a Grade of "C" or better, or equivalent

This course is a study of the elements involved in successfully operating a small business. Topics include human resource management, marketing for small business, and legal issues. This course is intended for students majoring in Business or anyone interested in owning or operating a small business.

FT; AA/as; CSU.

BUSE 190 Academic and Career Opportunities in Business**16-18 hours lecture; 1 unit****Grading:** Letter Grade Only

This course is a study of career options in the field of business administration. Emphasis is placed on the identification of career-related strengths and interests and information on post-baccalaureate options in related fields within business administration. This course is designed for students interested in majoring in business administration.

FT; AA/as; CSU.**BUSE 201 Business Organization and Management****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent or ENGL 105 with a Grade of "C" or better, or equivalent

This course covers business organization and management fundamentals with a focus on the managerial functions of planning, organizing, leading, and controlling. Other topics include managerial ethics, corporate social responsibility, and personal management skills and techniques. This course is intended for students majoring in business and for others who work or intend to work in a position of organizational responsibility such as managers and supervisors.

FT; AA/as; CSU.**BUSE 210 Human Resources Management****48-54 hours lecture; 3 units****Grading:** Letter Grade Only

This course introduces human resource management in business. Topics include the scope of human resource management, employee advocacy, employment law, recruiting, training, employee development, performance management, compensation and benefit programs, managing diversity and global operations, collective bargaining, and using human resources as a competitive advantage. This course is intended for students majoring in business and for others who work or intend to work in business settings such as supervisors, managers, or in human resources.

FT; AA/as; CSU.**BUSE 270 Business Internship / Work Experience****54 - 216 hours other; 1-4 units****Grading:** Letter Grade Only

Limitation on Enrollment: Obtain Permission Number from Instructor

This course provides on-the-job learning experiences for students employed in a business-related job or internship. Students develop workplace competencies, critical thinking skills, and problem solving abilities through the creation and achievement of job-related learning objectives. This course may be taken up to four times. One unit of credit may be earned for every 54 hours of work experience. A maximum of fourteen credit hours for all work experience subject areas may be earned during one enrollment period. This course is intended for students majoring in Business or those interested in the business field.

FT; AA/as; CSU.**BUSE 290 Independent Study****48 - 162 hours other; 1-3 units****Grading:** Letter Grade or Pass/No Pass

Limitation on Enrollment: Obtain Permission Number from Instructor

This course is for students who wish to conduct additional research, a special project, or learning activities in the field of business. It is not intended to replace an existing course in the discipline. In this course students will have a written contract with their instructor for activities such as: preparing problem analysis, engaging in primary research, preparing reports, and meeting with the instructor at specific intervals.

FT; AA/as; CSU.

CACM-Culinary Arts/Culinary Management

CACM 102 Sanitation**32-36 hours lecture; 2 units****Grading:** Letter Grade Only

Limitation on Enrollment: This course is not open to students with previous credit for FOOD 107 or CACM 101. This course provides sanitation principles and practices for personal and institutional application. Methods and techniques for handling foods safely are examined including food preparation, storage, service, and the prevention of food contamination. The course emphasizes the importance of knowing and understanding microorganisms, food borne illness versus food allergies, sanitary facilities and equipment, accident prevention, crisis management, and pest management. Compliance with city, state, and federal health regulation as embodied in HACCP (Hazard Analysis Critical Control Point) are explained, along with the supervisor's responsibilities in maintaining high standards of these principles. It may be used for national American Culinary Federation (ACF) recertification. Students taking this class and passing with a "C" or better will be able to sit for the ServSafe national food safety and sanitation manager certification. ServSafe certification currently qualifies holder as qualified food handler in the county of San Diego. This course is required for all Culinary Arts/Culinary Management students and must be taken as prior to all culinary laboratory courses.

FT; AA/as; CSU.**CACM 103 Organization of Food****16-18 hours lecture; 1 unit****Grading:** Letter Grade Only

Limitation on Enrollment: This course is not open to students with previous credit for CACM 105. This course provides a brief overview of the historic kitchen hierarchy, professionalism within the industry, Mise en Place, tools, equipment, and time management skills. The course is designed to give students the necessary knowledge to work in a professional commercial kitchen. Personal management and time management skills are highlighted throughout the course. This is a beginning course for students with an interest in culinary arts/culinary management.

FT; AA/as; CSU.**CACM 106 Theory of Food Principles****40-45 hours lecture; 2.5 units****Grading:** Letter Grade Only

Limitation on Enrollment: This course is not open to students with previous credit for CACM 105. This course provides basic terminology and methods of food production and baking. The course provides an understanding of the physical, chemical, and biological characteristics of food. The emphasis is placed on the principles of cooking with an introduction to principles of the bakeshop. The variety of basic and specially prepared foods served in hotels, restaurants and other types of food service establishments are introduced. Food grades and standards of quality for finished products are presented. This is a beginning course for students with an interest in culinary arts/culinary management.

FT; AA/as; CSU.**CACM 110A Fundamental Food and Service:****Restaurant Operations****96-108 hours lab; 2 units****Grading:** Letter Grade Only**Corequisite: Completion of or concurrent enrollment**

in: CACM 102 with a Grade of "C" or better, or equivalent and CACM 103 with a Grade of "C" or better, or equivalent and CACM 106 with a Grade of "C" or better, or equivalent

Advisory: Concurrent enrollment in: CACM 110B

Limitation on Enrollment: This course is not open to students with previous credit for FOOD 110 or CACM 110. This is a beginning laboratory course in restaurant food preparation and presentation including cooking equipment, techniques and safety procedures while cooking in a real-life setting. Students practice basic cooking techniques, restaurant procedures and dining room management in a hands-on experience. Students prepare meals by following recipe structure and procedures based on knowledge gained through the course. Food preparation is produced in a time-restricted setting to prepare for functioning in a commercial kitchen. This course is designed for students interested in pursuing a career in Culinary Arts/Culinary Management.

FT; AA/as; CSU.

**CACM 110B Fundamental Food and Service:
Cooking Techniques**

96-108 hours lab; 2 units

Grading: Letter Grade Only

Corequisite: Completion of or concurrent enrollment in: CACM 102 with a Grade of "C" or better, or equivalent and CACM 103 with a Grade of "C" or better, or equivalent and CACM 106 with a Grade of "C" or better, or equivalent

Advisory: Concurrent enrollment in: CACM 110A

Limitation on Enrollment: This course is not open to students with previous credit for CACM 110.

This is a beginning laboratory course in food preparation and presentation including cooking equipment, techniques, and safety procedures, using weights, measures and interpretation of recipes. Product identification, basic cooking techniques and procedures based on nutrition and classic preparation methods are presented. Students are provided the hands-on experience in preparing meals by following recipe structure and using and modifying recipes based on knowledge gained through the course. Food preparation is produced in a time-restricted setting to prepare for functioning in a commercial kitchen. This course is designed for students interested in pursuing a career in Culinary Arts/Culinary Management.

FT; AA/as; CSU.

CACM 122A Restaurant and Catering Operations
24-27 hours lecture; 1.5 units

Grading: Letter Grade Only

Limitation on Enrollment: This course is not open to students with previous credit for CACM 120.

This course covers the various styles of operations from restaurant to catering. Students learn the concepts of each operation. The class provides resources and techniques in managing operations, as well as marketing plans, mission statements, staffing, and business plans. This course is designed for students interested in a career in culinary arts/culinary management and hospitality.

FT; AA/as; CSU.

CACM 122B The Art of Menu Creation

24-27 hours lecture; 1.5 units

Grading: Letter Grade Only

Advisory: CACM 122A with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for CACM 120.

This course covers the key aspects to the art of creating menus for various styles of food service establishments. Menu planning essential to building a menu for a complete concept and operation is also covered. The principles of planning a menu are presented, from concept development and design mechanics to menu pricing and marketing issues. Each menu element is analyzed as it applies to foodservice operations, balanced presentation, and profitability. Various types of foodservices are presented for hotels, restaurants, foodservice facilities, and catering situations. This course is designed for students interested in pursuing a career in culinary arts/culinary management.

FT; AA/as; CSU.

CACM 132A Meat, Seafood & Poultry

16-18 hours lecture; 1 unit

Grading: Letter Grade Only

Corequisite: Completion of or concurrent enrollment in: CACM 102 with a Grade of "C" or better, or equivalent

This course covers different types of meat, seafood, and poultry. Students learn how to choose the right cut, purchase options, determine tough versus tender cuts, primal and subprimal cuts. The emphasis is placed on the muscle composition and location for practical use in a commercial kitchen. This course is designed for Culinary Arts/Culinary Management major and specialized training in Meat, Seafood, and Poultry.

FT; AA/as; CSU.

CACM 132B Seafood Identification & Processing

24-27 hours lecture; 1.5 units

Grading: Letter Grade Only

Corequisite: Completion of or concurrent enrollment in: CACM 132A with a Grade of "C" or better, or equivalent

This is an intermediate course that demonstrates the process of identifying and fabricating seafood. The emphasis is on identifying the classes of fish, shellfish: mollusks and crustaceans. Students will learn techniques required to handle and process seafood of all types. Demonstrations will provide the proper application of cooking techniques. The course is designed for Culinary arts/Culinary management majors and specialized training in seafood processing.

FT; AA/as; CSU.

CACM 132C Meat Identification & Processing**24-27 hours lecture; 1.5 units****Grading:** Letter Grade Only**Corequisite: Completion of or concurrent enrollment****in:** CACM 132A with a Grade of "C" or better, or equivalent

This is an intermediate course that demonstrates the process of identifying and fabricating meat. The emphasis is on identifying cuts of beef, veal, pork, lamb, and game.

Students will learn the techniques required to cut large subprimal portions into individual cuts. Demonstrations will provide the proper application of cooking techniques. The course is designed for Culinary art/Culinary management majors and specialized training in meat processing.

FT; AA/as; CSU.**CACM 133A Menu Preparation Lab****96-108 hours lab; 2 units****Grading:** Letter Grade Only**Prerequisite:** CACM 110A with a Grade of "C" or better, or equivalent and CACM 110B with a Grade of "C" or better, or equivalent**Corequisite: Completion of or concurrent enrollment****in:** CACM 132A with a Grade of "C" or better, or equivalent and CACM 132B with a Grade of "C" or better, or equivalent and CACM 132C with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for CACM 131.

This laboratory course covers the daily creation and preparations of the menu. Large scale food preparation is produced in a time-restricted, quality-minded setting. Emphasis is placed on the menu development, organization, and preparations for daily service. The daily menu is derived from students' creativity, learned techniques and skills. This intermediate course is designed for students interested in a career in Culinary Arts/Culinary Management.

FT; AA/as; CSU.**CACM 133B Modern Breakfast Service****96-108 hours lab; 2 units****Grading:** Letter Grade Only**Prerequisite:** CACM 110A with a Grade of "C" or better, or equivalent and CACM 110B with a Grade of "C" or better, or equivalent and **Corequisite: Completion of or concurrent enrollment in:** CACM 132A with a Grade of "C" or better, or equivalent and CACM 132B with a Grade of "C" or better, or equivalent and CACM 132C with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for CACM 131.

This laboratory course is designed for students to learn breakfast cooking and service. The class covers various styles of breakfast, cooking methods, short order cooking, and egg cookery, including nutritious meals. Students create and serve weekly menus for service in the restaurant. The point-of-sales system is an integral part of the learning. This intermediate course is for students interested in a career in Culinary Arts /Culinary Management.

FT; AA/as; CSU.**CACM 160 Fundamental of Baking Theory****48-54 hours lecture; 3 units****Grading:** Letter Grade Only

This course provides students with an understanding of the principles of baking and pastry utilizing various methods of production. The course is a study of terminology, specialty equipment and tool characteristics. Students learn the functions and proper use of ingredients, formula versus recipe, and conversions. This is a beginning course for students with an interest in baking and pastry certification in culinary arts/culinary management.

FT; AA/as; CSU.**CACM 202 Contemporary Restaurant Service****96-108 hours lab; 2 units****Grading:** Letter Grade Only**Prerequisite:** CACM 133A with a Grade of "C" or better, or equivalent and CACM 133B with a Grade of "C" or better, or equivalent

This laboratory course is designed to teach elevated dining preparation, techniques, and methods. This course covers concept menus, styles of dining, courting service and levels of dining. Leadership roles in managing the kitchen and dining room are emphasized. This course is for students pursuing a career in culinary arts/culinary management.

FT; AA/as; CSU.

CACM 206A Garde Manger I

96-108 hours lab; 2 units

Grading: Letter Grade Only

Prerequisite: CACM 132A with a Grade of "C" or better, or equivalent and CACM 132C with a Grade of "C" or better, or equivalent

This laboratory course is an intermediate course in meat preservation process and charcuterie. The laboratory class emphasizes forced, cured, smoked, and aged meats. The art of charcuterie is also presented. Students learn the processes mold takes when transforming and preserving meat. The course covers the proper Hazard Analysis Critical Control Point (HACCP) plan and sanitation required by the local health authority. This course is for students pursuing a career in culinary arts/culinary management and specialized training in meat preservation processes.

FT; AA/as; CSU.

CACM 206B Garde Manger II

48-54 hours lab; 1 unit

Grading: Letter Grade Only

Prerequisite: CACM 133A with a Grade of "C" or better, or equivalent and CACM 133B with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for CACM 205.

This laboratory course builds on skills previously learned while the student studies traditional upscale pantry preparation. Topics include sandwiches, hot & cold appetizers, amuse bouche, hors d'oeuvres, sushi, canapes, carving and cold soup. Artistic display centerpieces and culinary showpieces are emphasized for buffet presentations. Small and large-scale preparation is produced in a time-restricted quality-minded setting. This course is for students pursuing a career in culinary arts/culinary management.

FT; AA/as; CSU.

CACM 206C Garde Manger III

72-81 hours lab; 1.5 units

Grading: Letter Grade Only

Prerequisite: CACM 133A with a Grade of "C" or better, or equivalent and CACM 133B with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for CACM 205.

This laboratory course will cover advanced techniques and skills in molecular gastronomy, food fermentation and preserving, cheese making and sous vide processes. Students learn the chemical and physical transformation of food during the molecular gastronomy and sous vide cooking process. This course emphasizes sous vide, food fermentation principles, classic preservation techniques, and processes. Hazard analysis critical control point (HACCP) plan is applied to food fermentation, reduced oxygen packaging (ROP) and sous vide processes. This course is for students pursuing a career in culinary arts/culinary management and specialized training in food fermentation.

FT; AA/as; CSU.

CACM 212 Baking and Pastry

144-162 hours lab; 3 units

Grading: Letter Grade Only

Prerequisite: CACM 102 with a Grade of "C" or better, or equivalent and CACM 133A with a Grade of "C" or better, or equivalent and CACM 133B with a Grade of "C" or better, or equivalent or **Corequisite: Completion of or concurrent enrollment in:** CACM 160 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for FOOD 210 or CACM 210. This course is an introduction to techniques and skills required for baking and pastry. Students who wish to specialize or enhance their baking and pastry skills benefit from the specialized training in various areas. The principles of bakeshop cover concepts in methods, formulas, dough and batter, bread, basic creams, fillings and toppings, cookies, pastries, and cakes, processing dairy products, frozen desserts, chocolate work, sugar design, confections, as well as plating, decorating and icings. Emphasis is placed on refining skills to include specialty, gourmet, fine dining baked goods and pastries. Bakeshop items are produced in a time-restricted, quality-minded setting. This course is for students pursuing a certificate in baking and pastry and/or degree in culinary arts/culinary management.

FT; AA/as; CSU.

CACM 214 Advanced Baking**144-162 hours lab; 3 units****Grading:** Letter Grade Only**Prerequisite:** CACM 212 with a Grade of "C" or better, or equivalent

This course builds and enhances the basic baking skills obtained throughout the beginning labs and basic baking & pastry course. Emphasis is on commercial bakeries specializing in breads, cakes and designs. Techniques introduced are in design, types, shaping, decorating, planning stages, and storage. Techniques using chocolate and frozen dairy are introduced. This course includes management, production process and procedures. This course is designed for students interested in commercial bakeries and specialty cake shops.

FT; AA/as; CSU.**CACM 215 Advanced Pastry****144-162 hours lab; 3 units****Grading:** Letter Grade Only**Prerequisite:** CACM 212 with a Grade of "C" or better, or equivalent

This advanced course builds and enhances the skills and knowledge of fundamental labs and the basic baking and pastry courses. Emphasis is on the intricate creations of delicate pastries while focusing on the plating and presentation. Students learn how to integrate gastronomy and classical techniques to form modern pastries. Students produce high quality, professional pastries using techniques and skills of a pastry chef. This course is designed for students interested in French, classical and modern patisseries.

FT; AA/as; CSU.**CACM 218 Seafood Fabrication - Whole Fish Lab****48-54 hours lab; 1 unit****Grading:** Letter Grade Only**Prerequisite:** CACM 132A with a Grade of "C" or better, or equivalent**Corequisite: Completion of or concurrent enrollment****in:** CACM 132B with a Grade of "C" or better, or equivalent

This is an advanced laboratory course in whole fish fabrication from large to small fish. Students learn techniques to handle whole fish, prepping fish for breakdown, complete breakdown, seafood processing, and sustainable practices. Students have hands-on training on all aspects of seafood fabrication. The course is designed for culinary arts/culinary management majors and anyone interested in specialized training with seafood processing.

FT; AA/as; CSU.**CACM 220 Meat Butchery - Whole Animal Lab****72-81 hours lab; 1.5 units****Grading:** Letter Grade Only**Prerequisite:** CACM 132A with a Grade of "C" or better, or equivalent**Corequisite: Completion of or concurrent enrollment****in:** CACM 132C with a Grade of "C" or better, or equivalent

This is an advanced laboratory course in meat processing from a whole animal to primal cut. The course covers animal husbandry, livestock, various butchery techniques, and specialized equipment required. Students have a hands-on experience in this interactive laboratory course. The skill level is elevated and involves intricate cutting skills and animal muscle composition knowledge. The course is designed for culinary arts/culinary management majors and anyone interested in specialized training with meat butchery.

FT; AA/as; CSU.**CACM 222 Preservation of Meat Lab****72-81 hours lab; 1.5 units****Grading:** Letter Grade Only**Prerequisite:** CACM 132A with a Grade of "C" or better, or equivalent and CACM 132C with a Grade of "C" or better, or equivalent**Corequisite: Completion of or concurrent enrollment****in:** CACM 206A with a Grade of "C" or better, or equivalent

This is an advanced laboratory course in meat preservation processes. The laboratory class utilizes subprimal cuts fabricated in the meat butchery course. The emphasis is on ageing, curing, and smoking as a means of preserving subprimal cuts. Students experiment with molds, casing, and collagen to transform and preserve meat. Meat is shaped and encased to enhance the ageing process. Students use a combination of curing and smoking processes to create variations of preserved meats. This course is for students pursuing a career in culinary arts/culinary management and specialized training in meat preservation processes.

FT; AA/as; CSU.**CACM 270 Work Experience****54 - 216 hours other; 1-4 units****Grading:** Letter Grade Only

This course consists of on-the-job learning experiences for students employed in a job related to their major or their educational goal, specifically Culinary Arts and Culinary Management. One unit of credit may be earned for every 54 hours of work experience. A maximum of fourteen credit hours for all work experience subject areas may be earned during one enrollment period.

FT; AA/as; CSU.

CACM 290 Independent Study**48-162 hours other; 1-3 units****Grading:** Letter Grade Only**Limitation on Enrollment:** Obtain Permission Number from Instructor

This course is not open to students with previous credit for FOOD 290

This course is for students who wish to conduct individual projects and advanced study in culinary arts and management during supervised laboratory periods. It is not intended to replace an existing course in the discipline. In this course students have a written contract with their instructor outlining the course activities. Credit is granted on the basis of one unit for three hours laboratory activity.

CBTE-Computer Business Technology**CBTE 101 Basic Computer Keyboarding****12-13.5 hours lecture/12-13.5 hours lab; 1 unit****Grading:** Letter Grade Only

Limitation on Enrollment: This course is not open to students with previous credit for OFCE 100, OFCE 101, OFCE 102, OFCE 164, CBTE 94, CBTE 102 or CBTE 103. This course introduces students to basic keyboarding skills and document processing activities. Topics include keyboarding and basic word processing. Students practice keying by touch using word processing software. This course is intended for all students interested in improved keyboard skills for personal and/or business use.

FT; AA/as; CSU.**CBTE 140 Beginning Microsoft Excel****24-27 hours lecture/24-27 hours lab; 2 units****Grading:** Letter Grade Only

Advisory: CBTE 114 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for CBTE 140A or CBTE 143. This course is intended for students, office support personnel, and business owners who require a competency in performing tasks in Microsoft Excel. Students receive hands-on instruction on how to create, modify, and enhance workbooks, charts, and formulas.

FT; AA/as; CSU.**CBTE 143 Intermediate Microsoft Excel****32-36 hours lecture/48-54 hours lab; 3 units****Grading:** Letter Grade Only

Advisory: CBTE 114 with a Grade of "C" or better, or equivalent

This course is designed for students preparing for a career or job in which a competency in intermediate-to-advanced Excel functions is required to perform daily tasks. Students receive hands-on instruction on charts, PivotTables, PivotCharts, functions, formulas, data validation, autofilters, what-if analyses, templates, macros, Visual Basic for applications, and integration of Excel with other programs.

FT; AA/as; CSU.**CBTE 151 Microsoft Access: Basic****12-13.5 hours lecture/12-13.5 hours lab; 1 unit****Grading:** Letter Grade Only

This course covers basic Access skills. Students receive hands-on practice in creating, modifying, and sorting database tables, performing queries, creating reports, and designing forms. This course is designed for students and professionals acquiring or updating basic skills in creating and editing access databases.

FT; AA/as; CSU.**CBTE 180 Microsoft Office****32-36 hours lecture/48-54 hours lab; 3 units****Grading:** Letter Grade Only

Advisory: CBTE 114 with a Grade of "C" or better, or equivalent

This course is designed for students interested in an overview and basic working knowledge of Microsoft Office Professional suite for personal and/or professional purposes. Emphasis is placed on word processing, spreadsheet, database, and presentations, and the integration of data within and between the programs.

FT; AA/as; CSU.

CHEM-Chemistry

CHEM 16 Workshop for Introduction to General Chemistry

24-27 hours lab; 0.5 units

Grading: Pass/No Pass Only

Corequisite: CHEM 152

This is a guided problem solving course designed to supplement lecture material in Introduction to General Chemistry. Focus is placed on nomenclature, dimensional analysis, chemical equations, stoichiometry, and solutions chemistry. This course is recommended for students concurrently enrolled in Introduction to General Chemistry lecture who wish to supplement their instruction.

FT.

CHEM 20 Introduction to General Chemistry Refresher

24-27 hours lab; 0.5 units

Grading: Pass/No Pass Only

This course is designed for students that have successfully completed Introduction to General Chemistry but need a review course before beginning the General Chemistry. Also, students who have completed high school chemistry and wish to prepare for the challenge exam for General Chemistry may also benefit. Focus is on chemical calculations, density, molar mass, molarity, stoichiometry, and nomenclature. This course will not replace a failing grade in Introduction to General Chemistry. It does not satisfy the prerequisite for General Chemistry I.

FT.

CHEM 100 Fundamentals of Chemistry

48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

Prerequisite: Successful completion of Intermediate Algebra with a grade of C or better or appropriate placement based on California Title 5 regulations.

Corequisite: Completion of or concurrent enrollment in: CHEM 100L with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for Chemistry 152 or concurrent enrollment in CHEM 200

This course is an introductory study of the language and tools of chemistry. Basic concepts of the structure, properties, interactions of matter and energy are studied, both qualitatively and quantitatively. Emphasis is placed on matter, chemical changes, chemical conversions, chemical bonding, and acid-base chemistry. This course is intended for students majoring in nursing, nutrition, or animal health technology and provides a foundation for further coursework in chemistry, in particular for introductory organic chemistry.

FT; AA/as; CSU; UC; C-ID: CHEM 101 (CHEM 100, CHEM 100L).

CHEM 100L Fundamentals of Chemistry Laboratory

48-54 hours lab; 1 unit

Grading: Letter Grade or Pass/No Pass

Prerequisite: Successful completion of Intermediate Algebra with a grade of C or better or appropriate placement based on California Title 5 regulations.

Corequisite: Completion of or concurrent enrollment in: CHEM 100 with a Grade of "C" or better, or equivalent

This laboratory course is designed to illustrate the principles of inorganic and physical chemistry and to familiarize students with scientific reasoning, basic laboratory equipment and safe practices, scientific data collection methods and interpretation. This laboratory course is intended for students majoring in nursing, nutrition and allied health sciences, and provides a foundation for future lab work in chemistry.

FT; AA/as; CSU; UC; C-ID: CHEM 101 (CHEM 100, CHEM 100L).

CHEM 103 General, Organic, and Biological Chemistry

64-72 hours lecture/48-54 hours lab; 5 units

Grading: Letter Grade Only

Prerequisite: Successful completion of Intermediate Algebra with a grade of C or better or appropriate placement based on California Title 5 regulations.

Limitation on Enrollment: This course is not open to students with previous credit for the combination of CHEM 100, CHEM 100L, CHEM 130, CHEM 130L.

This course is a one-semester survey of general, organic, and biological chemistry for nursing and other health-related fields. Topics include general chemistry, organic chemistry, and biological chemistry as they apply to the human body. The laboratory component includes qualitative and quantitative experiments as well as analysis of data. This course is intended for students majoring in nursing, nutrition, or allied health fields.

FT; AA/as; CSU; UC.

CHEM 111 Chemistry in Society**48-54 hours lecture; 3 units****Grading:** Letter Grade Only

This course emphasizes conceptual, not mathematical, topics in chemistry and scientific thinking. Current issues in environmental chemistry such as energy resources, air and water pollution are explored. Students discuss the effects and controversy surrounding the use of different forms of energy. In addition, current issues in organic and biochemistry are examined including trends in diets, certain medicines and drugs, and household items. Students analyze current trends or news involving chemistry. Topics include a basic understanding of matter and energy, physical and chemical changes, the atom, nuclear chemistry, bonding, acids and bases, organic chemistry, and biochemistry. This course is intended for non-science majors.

FT; AA/as; CSU; UC.**CHEM 111L Chemistry in Society Laboratory****48-54 hours lab; 1 unit****Grading:** Letter Grade Only**Corequisite: Completion of or concurrent enrollment**

in: CHEM 111 with a Grade of "C" or better, or equivalent
This course illustrates the principles of chemistry in order for the student to understand how chemistry is used in our society. Experiments explore not only basic concepts in chemistry such as matter, energy, and the atom, but also explore real world applications of chemistry. This includes performing experiments related to the chemistry of the environment, household products, and biochemistry. Students learn how to work safely within the laboratory. This laboratory course is intended for non-science majors.

FT; AA/as; CSU; UC.**CHEM 130 Introduction to Organic and Biological Chemistry****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass

Prerequisite: CHEM 100 with a Grade of "C" or better, or equivalent and CHEM 100L with a Grade of "C" or better, or equivalent or CHEM 152 with a Grade of "C" or better, or equivalent and CHEM 152L with a Grade of "C" or better, or equivalent

Corequisite: Completion of or concurrent enrollment

in: CHEM 130L with a Grade of "C" or better, or equivalent
This is a one-semester course that introduces the basic physical, chemical and structural features of organic and biological compounds. Topics such as bonding, saturated and unsaturated hydrocarbons, the chemistry of organic functional groups, and the properties of important biological compounds such as carbohydrates, fats, and proteins are covered. The importance of these compounds in our daily lives is emphasized. This course is designed for nursing, nutrition, and allied health majors.

FT; AA/as; CSU; UC.**CHEM 130L Introduction to Organic and Biological Chemistry Laboratory****48-54 hours lab; 1 unit****Grading:** Letter Grade or Pass/No Pass

Prerequisite: CHEM 100 with a Grade of "C" or better, or equivalent and CHEM 100L with a Grade of "C" or better, or equivalent or CHEM 152 with a Grade of "C" or better, or equivalent and CHEM 152L with a Grade of "C" or better, or equivalent

Corequisite: Completion of or concurrent enrollment

in: CHEM 130 with a Grade of "C" or better, or equivalent
This is a one-semester laboratory course that illustrates the principles presented in introductory organic chemistry. Students are introduced to common organic chemistry laboratory equipment, fundamental organic and biochemical reactions, tests and techniques. Techniques covered include chromatography, recrystallization, and distillation. Tests and reactions of common organic functional groups, carbohydrates, fats, and amino acids are covered. Synthesis of a medicinal compound such as aspirin or a nitrogen-based analgesic is also covered. This course is designed for nursing, nutrition, and allied health majors.

FT; AA/as; CSU; UC.**CHEM 152 Introduction to General Chemistry****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass

Prerequisite: Successful completion of Intermediate Algebra with a grade of C or better or placement Milestone M50 based on California Title 5 regulations.

Corequisite: Completion of or concurrent enrollment

in: CHEM 152L with a Grade of "C" or better, or equivalent
Advisory: MATH 116 with a Grade of "C" or better, or equivalent or MATH 104 with a Grade of "C" or better, or equivalent or STAT C1000 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for CHEM 151

This is a one-semester preparatory course in chemistry consisting of an intensive study of the principles of inorganic and physical chemistry in preparation for General Chemistry. Topics include atomic structure, chemical nomenclature, periodicity, chemical equations, stoichiometry, solutions, and gas laws. Emphasis is placed on problem solving and chemical calculations. This course is intended for those students majoring in one of the natural sciences, engineering, or related curricula who need to take General Chemistry.

FT; AA/as; CSU; UC.

CHEM 152L Introduction to General Chemistry Laboratory**48-54 hours lab; 1 unit****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** Successful completion of Intermediate Algebra with a grade of C or better or placement Milestone M50 based on California Title 5 regulations.**Corequisite: Completion of or concurrent enrollment in:** CHEM 152 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for CHEM 151

This course is a one-semester laboratory in the principles of inorganic and physical chemistry in preparation for General Chemistry. Topics include chemical measurement, significant figures, laboratory safety, laboratory techniques, chemical reactions and stoichiometry. Emphasis is placed on problem solving, data analysis and chemical calculations. This course is intended for students majoring in one of the natural sciences, engineering or related curricula who need to take General Chemistry.

FT; AA/as; CSU; UC.**CHEM 160 Introductory Biochemistry****48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Prerequisite:** CHEM 130 with a Grade of "C" or better, or equivalent

This course is an introduction to the chemistry of biochemical reactions and biochemical molecules. Topics include acid/base chemistry; thermodynamics; cell biology; amino acids and proteins; enzymes; lipids; membranes and transport; carbohydrates; metabolism; nucleic acids; and information transfer. This course is designed for students majoring in nutrition, allied health, nursing, and the chemical or life sciences.

FT; AA/as; CSU; UC.**CHEM 200 General Chemistry I - Lecture****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** Successful completion of Intermediate Algebra with a grade of C or better or appropriate placement based on California Title 5 regulations. and CHEM 152 with a Grade of "C" or better, or equivalent and CHEM 152L with a Grade of "C" or better, or equivalent**Corequisite: Completion of or concurrent enrollment in:** CHEM 200L with a Grade of "C" or better, or equivalent
This is the first course in a two-course sequence in general chemistry. Emphasis is placed on the principles and laws of inorganic chemistry, including quantitative, mathematical problem solving. Topics include chemical equations, stoichiometry, atomic theory and its relationship to periodicity of the elements, bonding theories, molecular geometry, calorimetry, thermochemistry, solution chemistry, liquids, solids, and the gas laws. This course is intended for science majors and all students interested in chemistry.**FT; AA/as; CSU; UC; C-ID: CHEM 110; CHEM 120S (CHEM 200, 200L, 201, 201L).****CHEM 200L General Chemistry I - Laboratory****96-108 hours lab; 2 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** Successful completion of Intermediate Algebra with a grade of C or better or appropriate placement based on California Title 5 regulations and CHEM 152 with a Grade of "C" or better, or equivalent and CHEM 152L with a Grade of "C" or better, or equivalent**Corequisite: Completion of or concurrent enrollment in:** CHEM 200 with a Grade of "C" or better, or equivalent
This is the first-semester laboratory course in a two-course sequence in general chemistry. Emphasis is placed on laboratory experiments that illustrate the fundamental principles and laws of chemical behavior and the properties of matter, including quantitative, mathematical problem-solving. Topics include techniques of data analysis, chemical formulas, equations, stoichiometry and maintenance of a laboratory notebook. This course is intended for science majors and all students interested in chemistry.**FT; AA/as; CSU; UC; C-ID: CHEM 110; CHEM 120S (CHEM 200, 200L, 201, 201L).**

CHEM 201 General Chemistry II - Lecture**48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** CHEM 200 with a Grade of "C" or better, or equivalent and CHEM 200L with a Grade of "C" or better, or equivalent and Successful completion of Intermediate Algebra with a grade of "C" or better or appropriate placement based on California Title 5 regulations.**Corequisite: Completion of or concurrent enrollment****in:** CHEM 201L with a Grade of "C" or better, or equivalent
This course is the second course in a two-course sequence in general chemistry and is intended for students majoring in science or satisfying prerequisites for professional schools. The course covers the principles of physical and inorganic chemistry with an emphasis on quantitative, mathematical problem solving. Topics in the course include chemical kinetics, chemical equilibrium, acid-base theory, thermodynamics, electrochemistry, coordination chemistry and nuclear chemistry. The course also includes an introduction to organic chemistry.**FT; AA/as; CSU; UC; C-ID: CHEM 120S (CHEM 200, 200L, 201, 201L).****CHEM 201L General Chemistry II - Laboratory****96-108 hours lab; 2 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** Successful completion of Intermediate Algebra with a grade of C or better or appropriate placement based on California Title 5 regulations and CHEM 200 with a Grade of "C" or better, or equivalent and CHEM 200L with a Grade of "C" or better, or equivalent**Corequisite: Completion of or concurrent enrollment****in:** CHEM 201 with a Grade of "C" or better, or equivalent
This is the second-semester laboratory course of a two-course sequence in general chemistry. It is intended for students majoring in science or satisfying prerequisites for professional schools. Emphasis is placed on the fundamental principles of physical and inorganic chemistry. Topics include techniques of data analysis, chemical kinetics, chemical equilibrium, acids, bases, acidic/basic salts, thermochemistry, electrochemistry, and coordination chemistry. Computer skills are introduced and applied to data analysis, laboratory simulations, and computer interfacing with laboratory equipment.**FT; AA/as; CSU; UC; C-ID: CHEM 120S (CHEM 200, 200L, 201, 201L).****CHEM 231 Organic Chemistry I - Lecture****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** CHEM 201 with a Grade of "C" or better, or equivalent and CHEM 201L with a Grade of "C" or better, or equivalent**Corequisite: Completion of or concurrent enrollment****in:** CHEM 231L with a Grade of "C" or better, or equivalent**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent or ENGL 105 with a Grade of "C" or better, or equivalent

This course is the first semester of a one-year course in organic chemistry. Major themes include, but are not limited to, bonding, molecular structure, isomerism, conformational analysis, nomenclature, reaction mechanisms, and synthesis. Emphasis is placed on the reactions of aliphatic compounds, such as alkanes, cycloalkanes, alkenes, alkynes, alkyl halides, and alcohols. Organic chemistry literature and spectral interpretation using techniques, such as infrared and nuclear magnetic spectroscopies, are introduced to support the above topics. This course is designed for students pursuing a degree in the chemical sciences or training in chemical technology, as well as other transfer students who need organic chemistry as part of preparation for majors, such as molecular biology, premedical, pre dental, and pharmacy.

FT; AA/as; CSU; UC; C-ID: CHEM 160S (CHEM 231, 231L, 233, 233L).

CHEM 231L Organic Chemistry I - Laboratory**96-108 hours lab; 2 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** CHEM 201 with a Grade of "C" or better, or equivalent and CHEM 201L with a Grade of "C" or better, or equivalent**Corequisite: Completion of or concurrent enrollment in:** CHEM 231 with a Grade of "C" or better, or equivalent**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent or ENGL 105 with a Grade of "C" or better, or equivalent

This laboratory course is designed to illustrate the principles presented in the first semester of organic chemistry. Emphasis is placed on the determination of physical properties and the separation, purification and identification of organic compounds. This course acquaints students with the equipment, glassware, techniques and safe practices specific to the organic chemistry laboratory. Techniques, such as measurement of physical constants, recrystallization, extraction, distillation and chromatography are used in the synthesis and/or characterization of selected classes of organic compounds, such as alkanes, alkenes, alkynes, alkyl halides, and alcohols. The organic chemistry literature and spectral interpretation using techniques, such as infrared and nuclear spectroscopies, are introduced to support the above topics. This course is designed for students pursuing a degree in the chemical sciences or training in chemical technology, as well as other transfer students who need organic chemistry as part of preparation for majors, such as molecular biology, premedical, predental, and pharmacy.

FT; AA/as; CSU; UC; C-ID: CHEM 160S (CHEM 231, 231L, 233, 233L).**CHEM 233 Organic Chemistry II - Lecture****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** CHEM 231 with a Grade of "C" or better, or equivalent and CHEM 231L with a Grade of "C" or better, or equivalent**Corequisite: Completion of or concurrent enrollment in:** CHEM 233L with a Grade of "C" or better, or equivalent

This course is the second semester of a one-year sequence in organic chemistry. Major themes include, but are not limited to, molecular structure, molecular behavior, nomenclature, reaction mechanisms, and synthesis. Emphasis is placed on the reactions of selected classes of organic compounds, such as alcohols, ethers, aldehydes, ketones, carboxylic acids and their derivatives, amines, benzenoid and heterocyclic aromatics and their derivatives, carbohydrates, lipids, amino acids and their bio-organic compounds. The study of these molecules provides a backdrop for exploring the factors that govern particular transformations within a synthetic sequence. The use of print and electronic media and the interpretation of spectroscopic information (such as infrared, nuclear magnetic resonance, and ultraviolet-visible spectroscopies, and mass spectrometry) for the analysis and differentiation of molecular structures is continued. This course is designed for students pursuing a degree in the chemical sciences or training in chemical technology, as well as other transfer students who need organic chemistry as part of preparation for majors, such as molecular biology, premedical, predental, and pharmacy.

FT; AA/as; CSU; UC; C-ID: CHEM 160S (CHEM 231, 231L, 233, 233L).

CHEM 233L Organic Chemistry II - Laboratory
96-108 hours lab; 2 units

Grading: Letter Grade or Pass/No Pass

Prerequisite: CHEM 231 with a Grade of "C" or better, or equivalent and CHEM 231L with a Grade of "C" or better, or equivalent

Corequisite: Completion of or concurrent enrollment in: CHEM 233 with a Grade of "C" or better, or equivalent

This course is designed to illustrate the principles presented in the second semester of organic chemistry. Emphasis is placed on synthesis, purification and/or characterization of selected classes of organic compounds, including but not limited to aromatics, alcohols, aldehydes and ketones, carboxylic acids, amines, and simple examples of bio-organic molecules. Additional emphasis is placed on multi-step synthetic pathways and product identification using selected methods of qualitative organic analysis such as wet chemical and advanced spectroscopic techniques. Variation of scale from micro- to macro-quantities, and more advanced separation and analytical techniques, distinguish the level of this course from the first semester of organic chemistry laboratory. This course is designed for students pursuing a degree in the chemical sciences or training in chemical technology, as well as other transfer students who need organic chemistry as part of preparation for majors, such as molecular biology, premedical, pre dental, and pharmacy.

FT; AA/as; CSU; UC; C-ID: CHEM 160S (CHEM 231, 231L, 233, 233L).

CHEM 251 Quantitative Analytical Chemistry
48-54 hours lecture/96-108 hours lab; 5 units

Grading: Letter Grade or Pass/No Pass

Prerequisite: CHEM 201 with a Grade of "C" or better, or equivalent and CHEM 201L with a Grade of "C" or better, or equivalent

Corequisite: Completion of or concurrent enrollment in:

MATH 121 with a Grade of "C" or better, or equivalent or MATH 150 with a Grade of "C" or better, or equivalent

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent or ENGL 105 with a Grade of "C" or better, or equivalent

This is a course in quantitative analysis. Major topics include theory and practice of gravimetric and volumetric methods of chemical analysis and introduction to instrumental methods of analysis with a focus on precision and accuracy of experimental data. This course is intended for students majoring in chemistry or biochemistry and others who need the course for career advancement.

FT; AA/as; CSU; UC.

CHEM 290 Independent Study
48-162 hours other; 1-3 units

Grading: Letter Grade or Pass/No Pass

Limitation on Enrollment: Obtain Permission Number from Instructor

This course is designed for students who wish to conduct additional research, a special project, or learning activities in the field of chemistry. It is not intended to replace an existing course in the discipline. In this course students have a written contract with their instructor for activities such as: preparing problem analyses, engaging in primary research, preparing reports, and meeting with the instructor at specific intervals.

CHIC-Chicana and Chicano Studies

CHIC 110A Introduction to Chicana and Chicano Studies

48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

This course is an introductory survey of the field of Chicana/o Studies and the factors that influence the Chicano culture. Emphasis is placed on the historical development of the Chicano people including their Mesoamerican roots, cultural identification, political activities, and their contemporary roles and influence in United States culture, society and economy. This course is designed for all students interested in Chicana/o Studies, Social Sciences, and Ethnic Studies.

FT; AA/as; CSU; UC.

CHIC 110B Introduction to Chicana and Chicano Studies

48-54 hours lecture; 3 units

Grading: Letter Grade Only

This course is a survey of the field of Chicano Studies and the historical and contemporary factors that influence Chicano society. Emphasis is placed on the Chicana/o experience in the United States through an analysis of the social, political, and economic factors that impact and shape the Chicana/o community. This course is designed for all students interested in Chicana/o Studies, Social Studies and Ethnic Studies.

FT; AA/as; CSU; UC.

CHIC 130 Mexican Literature in Translation**48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass

This course is a survey of Mexican literature in translation. Students are introduced to authors of the novel, short story, poem, essay, and folklore within the context of Mexican history, politics and society. This course is designed for Chicano Studies majors and anyone interested in literature.

FT; AA/as; CSU; UC.**CHIC 135 Chicana/o Literature****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass

This is a survey course that examines the literary expressions of the Chicana/o people in the United States with an emphasis on the early 1800s to the present. Students in this class read and discuss works from a variety of literary genres. Students also read and discuss works from important contributors to the body of Chicana/o Literature in order to understand how the literature reflects the historical, socio-political, cultural experiences of the Chicana/o in the United States and its relationship to global literary movements. This course is designed for Chicana/o Studies majors and anyone interested in Ethnic Studies and literature.

FT; AA/as; CSU; UC.**CHIC 138 Literature of La Raza in Latin America in Translation****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass

This course is a survey of the novels, short stories, poetry and films produced in Latin America since the early civilizations to the present. Emphasis is placed on major cultural works reflecting and questioning the historical legacies and material realities of the project of colonialism in the Americas and its peoples. This course is for all students with an interest in the study of Latin American literature and culture.

FT; AA/as; CSU; UC.**CHIC 140 Chicana/o Sociology****48-54 hours lecture; 3 units****Grading:** Letter Grade Only

This course examines the institutional and structural conditions as well as social dynamics that have and continue to shape the Chicana/o experience in U.S. society. This course makes use of Sociological perspectives that incorporate various paradigms/theories/concepts including but not limited to: Stratification, Colonialism/Imperialism, Chicana Feminism, Queer Theory, Conflict Theory, Critical Race Theory, Intersectionality, and Assimilation/Acculturation. The application to Chicana/os and Latinos of traditional sociological theories and empirical research are examined and evaluated. This course is intended for all students interested in Chicana/o Studies, ethnic studies, or the social sciences.

FT; AA/as; CSU; UC.**CHIC 141A United States History from a Chicano Perspective****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass

This course is a survey of early American history from the Mexican/Chicano perspective. Emphasis is placed on the period of discovery to the period of Reconstruction with emphasis on the evolution, influence, and experience of the Chicano. Students analyze Chicano contributions to the political, social, economic, and cultural development of the United States. This course is intended for all students interested in history, ethnic studies, or other social sciences.

FT; AA/as; CSU; UC.**CHIC 141B United States History from a Chicano Perspective****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass

This is a survey course in American history that covers the period of the American acquisition in 1848 of Mexico to the present. Emphasis is placed on the role of Chicanos in the development of the United States throughout the nineteenth and twentieth centuries. Topics include slavery in the former Mexican territories, the Native American experience, immigration patterns and constitutional development and government in California. This course is intended for all students interested in history, ethnic studies, or other social issues.

FT; AA/as; CSU; UC.

CHIC 150 History of Mexico**48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass

This course is a survey of Mexican history from the ancient times to the present. Special emphasis is given to major historical developments from the time of the Spanish Conquest to the Revolution of 1910 and its aftermath. Special consideration is given to the economic, political, social, and cultural factors which have shaped modern Mexico. This course is designed for students majoring in Chicano Studies or History and prepares students for careers dealing with Mexico and/or Mexican culture and the relationships between Mexico and the United States.

FT; AA/as; CSU; UC.**CHIC 155 Introduction to Central American Studies****48-54 hours lecture; 3 units****Grading:** Letter Grade Only

This course familiarizes students with the rich heritage of Central America and the social, economic, political and cultural foundations of the region. It explores the diversity of issues informed by race, gender, ethnicity, the environments and social classes in the Central American community in Latin America and the United States. This course is designed for students majoring in Chicana/o Studies, Ethnic Studies and/or Social Sciences and all students interested in Central American Studies.

FT; AA/as; CSU; UC.**CHIC 170 La Chicana****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This course is the study of the Chicana in American society in historical and sociological perspective. Emphasis is placed on Chicana feminist scholarship and cultural representations, border issues, resistance to patriarchy, and the search for power. This course is designed for all students interested in Chicana/o Studies and Ethnic Studies.

FT; AA/as; CSU; UC.**CHIC 190 Chicano Images in Film****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass

This course is a critical approach to cinematic images of Chicanos as depicted in selected films. Focus is placed on stereotypical and negative portrayals during early cinema with an examination of the more realistic and complex portraits of more recent times. Film genres, such as early Hollywood features, documentaries and the emerging "Chicano film" are examined. This course is designed for students interested in film studies and Ethnic Studies with a special focus on the Chicano experience in film.

FT; AA/as; CSU; UC.**CHIC 201 The Indigenous Tradition of Mexico and Ancient Mesoamerica****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass

This course examines the Indigenous traditions of Mexico and Ancient Mesoamerica. The course explores the culture and history of the Mesoamerican civilizations and their relationship with the societies of Aridamerica and Oasisamerica, and the experiences of the Indigenous communities from the colonial times to the present. This course is intended for students who are pursuing a major in Chicana and Chicano Studies, History, Ethnic Studies, or other Social Sciences, and all students interested in the Mexican culture.

FT; AA/as; CSU; UC.**CHIC 210 Chicano Culture****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass

This course is a study of Chicana/o culture in the United States. Emphasis is placed on historical and contemporary representations of Chicana/os through their cultural products, such as music, dance, theatre, literature and film. Students apply Cultural Studies theories to analyze and interpret Chicana/o cultural products. This course is designed for all students interested in Chicana/o culture and Ethnic Studies.

FT; AA/as; CSU; UC.

CHIC 230 Chicano Art
48-54 hours lecture; 3 units

Grading: Letter Grade Only

This course is a comprehensive overview of the major influences, themes and styles in Chicano art from its emergence in the 1960s to the beginning of the 21st century. Emphasis is placed on the historical, social and cultural context of the Chicana/o art movement and the major forces that shape artistic creation within this field. Topics include Chicano paintings, murals, prints, sculpture, installation, performance and video. This course is designed for all students interested in Chicana/o studies, Ethnic Studies and for art majors who want to explore a revolutionary contemporary art movement.

FT; AA/as; CSU; UC.

CHIC 250 Introduction to Chicana/o Dramatic Art
48-54 hours lecture; 3 units

Grading: Letter Grade Only

This course is a survey of Chicano and Latino theater, its historical roots, techniques, styles and literature. Students explore and analyze the origins and development of various related forms in the context of the Chicana/o culture of the U.S. Southwest and Mexico. This course is designed for Chicana/o Studies majors and for students interested in the Dramatic Arts, Ethnic Studies and literature.

FT; AA/as; CSU; UC.

CHIC 290 Independent Study
48 - 162 hours other; 1-3 units

Grading: Letter Grade or Pass/No Pass

Limitation on Enrollment: Obtain Permission Number from Instructor

For students with advanced background in Chicano Studies who wish to study special problems or work on specialized projects.

FT; AA/as; CSU.

CHIL-Child Development

CHIL 100 Principles and Practices of Early Childhood Education

48-54 hours lecture; 3 units

Grading: Letter Grade Only

This course is an examination of the current early childhood field and workforce needs. Emphasis is placed on underlying theoretical principles and competencies as they relate to becoming highly qualified and successful early childhood educators who are prepared to meet the needs of our diverse society. This course is a foundational course for students majoring in child development and those interested in the field.

FT; AA/as; CSU.

CHIL 101 Human Growth and Development
48-54 hours lecture; 3 units

Grading: Letter Grade Only

This course examines the progression of development in the physical, cognitive, social, and emotional domains and identifies developmental milestones for children from conception through adolescence. Emphasis is on interactions between biological processes and environmental factors. Students observe children, evaluate individual differences, and analyze characteristics of development at various stages according to developmental theories. This course is a core requirement for the State of California Child Development Permit and the State of California Community Care Licensing, Title XXII.

FT; AA/as; CSU; UC; C-ID: CDEV 100.

CHIL 111 Curriculum: Music and Movement
48-54 hours lecture; 3 units

Grading: Letter Grade Only

This course introduces the function of music and fundamental movement skills in early childhood educational programs. Emphasis is placed on the development of music and movement skills, basic teaching and guidance techniques, and selection of appropriate materials and equipment. Other topics include designing and implementing curriculum plans that are appropriate for a variety of age groups and developmental levels. This course is intended for students interested in working in early childhood education, obtaining California child development permits, and transferring to four-year institutions.

FT; AA/as; CSU.

CHIL 120 Observation and Assessment in Early Childhood Programs**48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Prerequisite:** CHIL 101 with a Grade of "C" or better, or equivalent

This course is an introduction to the appropriate use of assessment and observation tools and provides strategies for documenting young children's development and learning. Emphasis is placed on the use of data to inform the planning of learning environments and curriculum experiences. Topics include strategies for collaboration with families and professionals. Ten hours of observation in a child care setting is required. This course is designed for students majoring in child development and those interested in the field.

FT; AA/as; CSU.**CHIL 121 Curriculum: Art****48-54 hours lecture; 3 units****Grading:** Letter Grade Only

This course introduces the creative process and experience in early childhood education programs. Emphasis is placed on creative development, art curriculum activities, basic teaching skills, guidance techniques, equipment, and materials. Students select appropriate activities for a variety of age and maturity levels based on child development theories and concepts. This course is intended for students majoring in Child Development or others interested in the creative process in early childhood education.

FT; AA/as; CSU.**CHIL 130 Introduction to Curriculum****48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Advisory: Completion of or concurrent enrollment in:**

CHIL 101 with a Grade of "C" or better, or equivalent

This course is an introduction to planning developmentally appropriate curriculum and environments for children birth through age eight. Emphasis is placed on utilizing theories of learning and developmentally appropriate practices to plan environments and curriculum in all content areas. Topics include indoor and outdoor environmental considerations as well as the integration of learning domains. This course is designed for students majoring in child development and those interested in the field.

FT; AA/as; CSU.**CHIL 131 Curriculum: Language/Science****48-54 hours lecture; 3 units****Grading:** Letter Grade Only

Limitation on Enrollment: This course is not open to students with previous credit for CHIL 133 or CHIL 135. This course is an introductory study of the function of language, math, and science learning in early childhood educational programs. Emphasis is placed on the development of language and science curriculum activities, basic teaching skills, guidance techniques, equipment, and materials. Students select appropriate activities for a variety of age groups and maturity levels based on child development theories and concepts. This course is designed for Child Development majors and may be used to partially fulfill requirements for Title 22 licensing and child development permits.

FT; AA/as; CSU.**CHIL 141 The Child, Family and Community****48-54 hours lecture; 3 units****Grading:** Letter Grade Only

This course is a study of the dynamics of human development and socialization in a culturally pluralistic society. Emphasis is placed on the influences of contemporary family living and cultural patterns on the child, school-family relationships, and community resources and services that support and strengthen families. This course is a core requirement for California Child Development teacher/director center permits as well as for the State of California Department of Community Care Title 22 licensing childcare centers requirements. This course is designed for all students interested in child development and multi-cultural and behavioral studies.

FT; AA/as; CSU.**CHIL 150 Teaching in a Diverse Society****48-54 hours lecture; 3 units****Grading:** Letter Grade Only

This course examines both historical and current perspectives of diversity and inclusion and the impact of systemic societal influences on development and learning. Emphasis is placed on incorporating strategies for developmental, cultural, and linguistically appropriate anti-bias curriculum as well as approaches to promote inclusive and anti-racist classroom communities. Topics include the influence of the student's own culture and life experiences on teaching and interactions with children and families. This course is designed for students majoring in child development and those interested in the field.

FT; AA/as; CSU.

CHIL 151 Program Planning**48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Prerequisite:** CHIL 101 with a Grade of "C" or better, or equivalent and CHIL 160 with a Grade of "C" or better, or equivalent and CHIL 111 with a Grade of "C" or better, or equivalent or CHIL 121 with a Grade of "C" or better, or equivalent or CHIL 131 with a Grade of "C" or better, or equivalent or CHIL 133 with a Grade of "C" or better, or equivalent or CHIL 135 with a Grade of "C" or better, or equivalent**Corequisite:** CHIL 270 or CHIL 275**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This course focuses on planning the preschool learning environment to promote optimal development. Emphasis is placed on curriculum planning, guidance, safety, record keeping, observation techniques, project planning, and classroom management. Students enrolled in this course must be concurrently working in a preschool learning environment under the supervision of a person holding a Child Development Master Teacher Permit or the equivalent. This course is intended for students pursuing teaching careers in early care and education settings and partially fulfills State of California Permit and Title 22 teacher requirements.

FT; AA/as; CSU.**CHIL 155 Supervised Field Study Seminar****16-18 hours lecture; 1 unit****Grading:** Letter Grade Only**Corequisite:** CHIL 151 and CHIL 270

This seminar course provides students with the opportunity to critically reflect on their student teaching fieldwork in order to effectively apply the principles and best practices of early care and education programs to their on-site work experience. This course is intended for students seeking teaching positions in early care and education settings and partially fulfills State of California Permit and Title 22 teacher requirements.

FT; AA/as; CSU.**CHIL 160 Observation and Assessment of Children****16-18 hours lecture/48-54 hours lab; 2 units****Grading:** Letter Grade Only**Limitation on Enrollment:** Health and Safety. TB clearance within the last year is required.

This course focuses on behavioral patterns and growth processes of young children through the use of a variety of assessment and observation strategies to document child development and behavior. Child observations are conducted and analyzed through supervised participation in the campus early education center. Topics include the use of observation and assessment of children in planning, implementing, and evaluating early childhood curriculum and environments. This course partially fulfills the specialization requirements for the State of California Master Teacher Permit.

FT; AA/as; CSU.**CHIL 161 Observations and Issues in Child Development****16-18 hours lecture/48-54 hours lab; 2 units****Grading:** Letter Grade Only**Limitation on Enrollment:** Health and Safety. TB clearance within the last year is required.

This course explores current issues in child development and how these issues influence both the child and family. The course emphasizes effective communication skills, positive guidance techniques, kindergarten readiness skills, and appropriate classroom activities. It is intended for students majoring in child development and parents of children enrolled in the campus child development center. It partially fulfills the specialization requirements for the State of California Master Teacher Permit.

FT; AA/as; CSU.**CHIL 163 Experience in Child Guidance Techniques for Early Childhood Classrooms****32-36 hours lecture/48-54 hours lab; 3 units****Grading:** Letter Grade Only**Prerequisite:** CHIL 101 with a Grade of "C" or better, or equivalent and CHIL 141 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for CHIL 162

This course explores guidance techniques for working with children from birth to age eight in early education settings. Emphasis is placed on the application of social and emotional strategies, developmentally appropriate practices, supportive environmental design, and the principles of professional ethics and diversity in working with children and families. Observation techniques and guided practice are emphasized within a three hour weekly lab experience. This course is intended for students who plan careers in early childhood and family support programs.

FT; AA/as; CSU.

CHIL 165 Children With Special Needs**48-54 hours lecture; 3 units****Grading:** Letter Grade Only

This course is a survey of education for children with special needs. Emphasis is placed on the types and characteristics of special needs as well as on the methods for integrating children with special needs into inclusive educational settings. Topics include the history of special education legislation, current educational compliance requirements and community resources available to parents, teachers and other professionals. This course is designed for professionals and parents who work with children with special needs. This course partially fulfills the specialization requirement for the State of California Master Teacher Permit.

FT; AA/as; CSU.**CHIL 166 Curriculum for Diverse Learners****48-54 hours lecture; 3 units****Grading:** Letter Grade Only

This course is an in-depth study of inclusive environments, guidance techniques, and curriculum planning strategies that are designed to meet the needs of the diverse children and families in our current society. Emphasis is placed on cognitive, physical, social- emotional, cultural, and linguistic diversity, and how well-designed environments, intentionally planned curriculum, and supportive behavioral strategies work together to provide a classroom that is welcoming and ensures that all children and families in the program thrive. This course is designed for parents, teachers, nurses, social workers, and paraprofessionals employed in schools and early childhood programs. This course partially meets the specialization requirements for the Master Teacher Permit.

FT; AA/as; CSU.**CHIL 175 Infant-Toddler Growth and Development****48-54 hours lecture; 3 units****Grading:** Letter Grade Only

This course examines the physical, social, emotional, and cognitive development of the infant and toddler and appropriate strategies to support this development. Emphasis is placed on culturally responsive techniques that support diverse family practices and connections. Appropriate observations and visitations to the community are required. This course meets State of California Title 22 licensing regulations for teachers in infant-toddler settings and fulfills the infant-toddler specialization requirement for the State of California Master Teacher Permit when taken in addition to CHIL 176. It is intended for students majoring in child development, parents, or those interested in infant-toddler care.

FT; AA/as; CSU.**CHIL 176 Principles of Infant-Toddler Caregiving****48-54 hours lecture; 3 units****Grading:** Letter Grade Only

This course is a study of the principles of infant-toddler care, including all aspects of infant and toddler development. Emphasis is placed on planning appropriate indoor and outdoor curriculum and environments. Topics include health, nutrition, and safety for the very young as well as licensing regulations, staff interactions, parent participation, and program development. This course meets State of California Title 22 licensing regulations for teachers in infant-toddler settings and fulfills the infant-toddler specialization requirement for the State of California Master Teacher Permit when taken in addition to CHIL 175. It is intended for students majoring in child development, parents, or those interested in infant-toddler care.

FT; AA/as; CSU.**CHIL 180 Nutrition, Health, and Safety for Children****48-54 hours lecture; 3 units****Grading:** Letter Grade Only

This course is a survey of the laws, regulations, standards, policies, procedures, and best practices related to health, safety, and nutrition in care and education settings for children birth through middle childhood. Emphasis is placed on the teacher's role in prevention strategies, nutrition and meal planning, integrating health safety and nutrition experiences into daily routines, and overall risk management. This course is designed for students majoring in child development and those interested in the field.

FT; AA/as; CSU.

CHIL 202 Administration of Early Childhood Programs**48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Prerequisite:** CHIL 101 with a Grade of "C" or better, or equivalent and CHIL 141 with a Grade of "C" or better, or equivalent**Advisory:** CHIL 111 with a Grade of "C" or better, or equivalent and CHIL 121 with a Grade of "C" or better, or equivalent or CHIL 131 with a Grade of "C" or better, or equivalent

This course is an overview of early childhood education program administration. Topics include theoretical perspectives on early childhood education, licensing regulations, funding sources, budgetary considerations, personnel management, curriculum development, and teacher selection. The course meets State of California Title 22 licensing regulations for site supervisors. It also partially fulfills State of California matrix requirements for Program Director and Site Supervisor Permits. This course is intended for anyone seeking a position as a site supervisor or center director.

FT; AA/as; CSU.**CHIL 210 Supervision of Early Childhood Programs****48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Prerequisite:** CHIL 141 with a Grade of "C" or better, or equivalent and CHIL 151 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for CHIL 201 or 201B. This course is a study of the supervisory tools and techniques required to organize and evaluate early childhood programs. Emphasis is placed on supervisory functions, in-service staff training, educational philosophies, program and staff evaluation, models of parent education and involvement, and supportive services. This course is designed for students who intend to go into supervisory positions in early childhood education. It partially fulfills the State of California Child Development Permit Matrix requirement for supervisors and directors and also meets the State of California Title 22 licensing regulations for directors.

FT; AA/as; CSU.**CHIL 215 Adult Supervision and Mentoring in Early Childhood Settings****48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Prerequisite:** CHIL 151 with a Grade of "C" or better, or equivalent

This course is a study of the methods and principles of supervising adults in early childhood settings. Students study effective models for guiding and evaluating adults, developing positive communication skills and recognizing the role of mentors in teaching environments. This course is designed for students who supervise other adults in classrooms while simultaneously providing appropriate settings for young children. It partially meets the requirements for the Master Teacher Permit, Site Supervisor, and Program Director permits issued by the California Commission on Teacher Credentialing.

CHIL 270 Work Experience**54 - 216 hours other; 1-4 units****Grading:** Letter Grade Only

This course is for Child Development students to acquire on-the-job training within an early care and education facility and partially fulfills State of California Permit and Title 22 teacher requirements. One unit of credit may be earned for every 54 hours of work experience. A maximum of fourteen credit hours for all work experience subject areas may be earned during one enrollment period.

FT; AA/as; CSU.**CHIL 275 Supervised Field Study****48-162 hours other; 1-3 units****Grading:** Letter Grade Only**Prerequisite:** CHIL 120 with a Grade of "C" or better, or equivalent or CHIL 130 with a Grade of "C" or better, or equivalent

This directed field study course provides students with an opportunity to apply classroom information in a practical setting with supervision from faculty as well as fieldsite supervisors. This course is intended for students who plan to teach or supervise in early childhood settings. It partially fulfills Title 22 and the State of California Child Development Permit experience requirement.

FT; AA/as; CSU.

CHIL 290 Independent Study**48 - 162 hours other; 1-3 units****Grading:** Letter Grade Only**Limitation on Enrollment:** Obtain Permission Number from Instructor

This course is for students who wish to conduct additional research, a special project or learning activities in the field of child development. It is not intended to replace an existing course in the discipline. In this course students have a written contract with their instructor for activities such as: preparing problem analyses, engaging in primary research, preparing reports, and meeting with the instructor at specific intervals.

FT; AA/as; CSU.**CHIL 291A Child Development Center Practicum****48-54 hours lab; 1 unit****Grading:** Letter Grade Only

This course provides directed laboratory experience in the campus Child Development Center. Students become familiar with the operating policies and procedures of a preschool program and observe and access the development of children as they reference the participant handbook and describe the policies of the campus lab. This course may be used toward the experience component for the State of California Child Development Permit. It is intended for students who plan careers in early childhood and family support programs and for parents who seek practical experience in guiding and teaching children.

FT; AA/as; CSU.**CHIL 291B Child Development Center Practicum****48-54 hours lab; 1 unit****Grading:** Letter Grade Only

This course provides directed laboratory experience in the campus Child Development Center. Students examine children's development, their safety, health, and their nutritional needs in a preschool setting with an emphasis on implementation with young children. This course may be used toward the experience component for the State of California Child Development Permit and toward the Health and Safety training requirements for Title 22. It is intended for students who plan careers in early childhood education and family support programs and for parents who seek practical experience in guiding and teaching children.

FT; AA/as; CSU.**CHIL 291C Child Development Center Practicum****48-54 hours lab; 1 unit****Grading:** Letter Grade Only

This course provides directed laboratory experience in the campus Child Development Center. Emphasis is placed on early education teaching techniques and selection of curriculum activities for children that are developmentally appropriate. This course may be used toward the experience component for the State of California Child Development Permit. It is intended for students who plan careers in early childhood and family support programs and for parents who seek practical experience in guiding and teaching children.

FT; AA/as; CSU.**CHIL 291D Child Development Center Practicum****48-54 hours lab; 1 unit****Grading:** Letter Grade Only

This course provides directed laboratory experience in the campus Child Development Center. Students examine effective routines and transitional activities in the organization and structure of an early child development setting. The class emphasizes positive guidance techniques for young children, and the selection of equipment and materials for young children that are developmentally age appropriate. This course may be used toward the field experience component for the State of California Child Development Permit. It is intended for students who plan careers in early childhood and family support programs and for parents who seek practical experience in guiding and teaching children.

FT; AA/as; CSU.

CHIN-Chinese

CHIN 101 First Course in Mandarin Chinese**80-90 hours lecture; 5 units****Grading:** Letter Grade or Pass/No Pass

This interactive, entry-level course introduces students to the Mandarin Chinese language and to Chinese culture. Emphasis is placed on the basic phonetic system, characters, grammar and common daily expressions. Topics also include Chinese culture, geography and history. This course is intended for students interested in an introduction to Mandarin Chinese language.

FT; AA/as; CSU; UC.**CHIN 102 Second Course in Mandarin Chinese****80-90 hours lecture; 5 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** CHIN 101 with a Grade of "C" or better, or equivalent or two years of high school Chinese.

This interactive, elementary course in Mandarin Chinese builds upon the listening, reading, speaking and writing skills introduced in the entry-level course. Emphasis is placed on phonetics, characters, grammar, tone usage and common daily expressions. This course is intended for students who have completed the first course in the Chinese language sequence and want to continue their second-semester Chinese course, students who want to further their basic proficiency in the Chinese language, and students who want to continue learning Chinese for their personal enrichment.

FT; AA/as; CSU; UC.**CHIN 201 Third Course in Mandarin Chinese****80-90 hours lecture; 5 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** CHIN 102 with a Grade of "C" or better, or equivalent or three years of high school Chinese with a grade of C or better, or equivalent.

This intermediate-level study of Mandarin Chinese is the third course in the Chinese language sequence. Students use increasingly complex Mandarin language structures and vocabulary to listen, speak, read and write at the intermediate level. This course is intended for students who have completed the second course in the Chinese language sequence and who are planning on majoring in Chinese or are interested in learning Chinese for their personal enrichment.

FT; AA/as; CSU; UC.**CHIN 202 Fourth Course in Mandarin Chinese****80-90 hours lecture; 5 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** CHIN 201 with a Grade of "C" or better, or equivalent

This intermediate-advanced level study of Mandarin Chinese is the fourth course in the Chinese language sequence. Students use increasingly complex Mandarin language structures and vocabulary to listen, speak, read and write at the intermediate-advanced level. This course is intended for students who have completed the third course in the Chinese language sequence and who are planning on majoring in Chinese or are interested in learning Chinese for their personal enrichment.

FT; AA/as; CSU; UC.**CHIN 210 Conversation and Composition in Chinese I****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** CHIN 102 with a Grade of "C" or better, or equivalent or three years of high school Chinese with a grade of C or better.

This is an interactive course in Chinese conversation and composition at the intermediate level. In this course, students are encouraged to express themselves creatively both orally and in writing as they explore a variety of topics in Chinese. This course is intended for students who have completed the first two courses in the Chinese language sequence.

FT; AA/as; CSU; UC.**CHIN 211 Conversation and Composition in Chinese II****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** CHIN 210 with a Grade of "C" or better, or equivalent

This is an interactive course in Mandarin Chinese conversation and composition at the intermediate-advanced level. In this course, students are encouraged to express themselves creatively both orally and in writing as they explore a variety of topics in Chinese at an intermediate-advanced level. This course is intended for students who have completed the first course in the Chinese language conversation and composition sequence.

FT; AA/as; CSU; UC.

CISC-Computer and Information Sciences

CISC 71 Microcontroller Programming
48-54 hours lecture/48-54 hours lab; 4 units

Grading: Letter Grade Only

This course introduces students to programming and interfacing microcontrollers to the world around them. Topics include programming a microcontroller to respond to inputs and to control various devices, such as light emitting diodes (LEDs), fans, servos, and relays. This course is designed for students who want to increase their understanding of microcontrollers and embedded programming.

FT; AA/as.

CISC 106 Introduction to Computer Science and Programming

32-36 hours lecture/96-108 hours lab; 4 units

Grading: Letter Grade Only

Advisory: CISC 150 with a Grade of "C" or better, or equivalent or CISC 181 with a Grade of "C" or better, or equivalent

This course is a hands-on study of the foundational principles of computer science. Emphasis is placed on applying fundamental computer science concepts and techniques to creative problem-solving and software development. Topics include conditional logic, looping, recursion, lists, arrays, trees, graphs, hash tables, algorithms, user-defined data types, lambdas, higher-order functions, complex data structures, input/output (I/O) streams, files, sockets, closures, lazy evaluation, macros, and domains. This course is designed for students majoring in computer information sciences, game development or multimedia, and for anyone interested in software development in general.

CISC 150 Introduction to Computer and Information Sciences

48-54 hours lecture; 3 units

Grading: Letter Grade Only

This course is a survey of computers, computer systems and information sciences. Emphasis is placed on the use of computers in business and technical fields. Topics include computer equipment and programming systems, systems study, design, development, and implementation. The course also explores careers in the computer science field. This course is intended for all students interested in computers and how to use them.

FT; AA/as; CSU.

CISC 152 Introduction to the Linux Operating System

48-54 hours lecture/48-54 hours lab; 4 units

Grading: Pass/No Pass Only

Limitation on Enrollment: This course is not open to students with previous credit for CISC 151.

This introductory course to the Linux Operating systems is for new users to learn the programs and services that made the Linux System so increasingly popular, including: the shell, communicating to other users, manipulating files using the file structure, setting file access permissions, full-screen text editing, and programming simple shell scripts. This course is designed for students majoring in Computer and Information Sciences and those who want to understand the components and mechanisms of the Linux operating system.

FT; AA/as; CSU.

CISC 179 Introduction to Python Programming

48-54 hours lecture/48-54 hours lab; 4 units

Grading: Letter Grade Only

Advisory: CISC 181 with a Grade of "C" or better, or equivalent

This is an introductory course in programming using the Python language and incorporating the fundamentals of object oriented programming. Topics include the use and programming of the mouse, windows, forms, menus, dialog boxes, icons, buttons, text fields, files, graphics, and other components of the Windows environment. Students learn to analyze user needs and requirements; design the user interface; assign properties to objects in the user interface; code event procedures; test and debug completed programs and applications; and complete final user documentation. This course is intended for Computer and Information Sciences majors or anyone interested in the Python programming language.

FT; AA/as; CSU; UC.

CISC 181 Principles of Information Systems

48-54 hours lecture/48-54 hours lab; 4 units

Grading: Letter Grade Only

This course is an introduction to basic principles and theory relating to problem solving and analysis in business organizations using computers and software packages. Emphasis is placed on computer organization, data processing systems, decision support systems, and systems analysis. Business software is reviewed with an emphasis on spreadsheet systems including hands-on spreadsheet applications. This course is intended for the transfer student planning to major in business, economics, or social science.

FT; AA/as; CSU; UC.

CISC 182 Fluency with Information Technology**48-54 hours lecture/48-54 hours lab; 4 units****Grading:** Letter Grade Only

This course provides transfer students with an introduction to computer technology. It targets students who need to complete a computer literacy course as part of their degree or certificate program. Computer software, networking, and systems are covered, with an emphasis on modern technologies. This course also serves community members interested in an introduction to computer technology.

FT; AA/as; CSU; UC.**CISC 186 Visual Basic Programming****48-54 hours lecture/48-54 hours lab; 4 units****Grading:** Letter Grade Only**Prerequisite:** CISC 181 with a Grade of "C" or better, or equivalent

This course is an introduction to programming using Visual Basic employing the fundamentals of event oriented programming in a Windows environment. Topics include the use and programming of a mouse, windows, forms, menus, dialog boxes, icons, buttons, text fields, files, graphics, and other components of a Windows environment in Visual Basic. This course is intended for students majoring in computer science or anyone interested in computer programming.

FT; AA/as; CSU; UC.**CISC 187 Data Structures in C++****48-54 hours lecture/48-54 hours lab; 4 units****Grading:** Letter Grade Only**Prerequisite:** CISC 192 with a Grade of "C" or better, or equivalent

This course introduces students to data structures and object-oriented software engineering. Emphasis is placed on implementing basic data structures, including collections and linked structures (stacks, queues, lists, arrays, trees, and hash tables) from the perspective of object-oriented programming. Topics include algorithms, object-oriented analysis, and the design and implementation of data structures in C++. This course is designed for students majoring in computer information systems and professionals in the field who want to update their programming skills.

FT; AA/as; CSU; UC; C-ID: COMP 132.**CISC 190 Java Programming****48-54 hours lecture/48-54 hours lab; 4 units****Grading:** Letter Grade Only**Advisory:** CISC 186 with a Grade of "C" or better, or equivalent or CISC 106 with a Grade of "C" or better, or equivalent or CISC 150 with a Grade of "C" or better, or equivalent or CISC 181 with a Grade of "C" or better, or equivalent or CISC 182 with a Grade of "C" or better, or equivalent

This course is an introduction to programming using Java. The course covers the fundamentals of object-oriented programming utilizing the Java programming language for general purpose business programs and interactive games. This course is intended for students majoring in computer and information sciences or anyone interested in the Java programming language.

FT; AA/as; CSU; UC; C-ID: COMP 122.**CISC 191 Intermediate Java Programming****48-54 hours lecture/48-54 hours lab; 4 units****Grading:** Letter Grade Only**Prerequisite:** CISC 190 with a Grade of "C" or better, or equivalent

This course is an intermediate level study of the Java programming language. Topics include single and multidimensional arrays; objects and classes; object-oriented programming; inheritance and polymorphism; exception handling and text input/output (I/O); abstract classes and interfaces; graphical user interfaces (GUIs); recursion; concurrency; and generic collections and data structures, such as linked lists, queues, and stacks. This course is intended for students majoring in computer and information sciences or anyone interested in learning more about the Java programming language.

FT; AA/as; CSU; UC; C-ID: COMP 132.**CISC 192 C/C++ Programming****48-54 hours lecture/48-54 hours lab; 4 units****Grading:** Letter Grade Only**Advisory:** CISC 186 with a Grade of "C" or better, or equivalent

This course presents basic programming concepts using the C++ programming language. The organization of standard Input/Output (I/O) classes is emphasized. Structured- and object-oriented programming techniques are presented and used to design and implement a variety of programming problems. This course is intended for students majoring in computer science or anyone interested in computer programming.

FT; AA/as; CSU; UC.

CISC 193 Microsoft C# Software Engineering 1
48-54 hours lecture/48-54 hours lab; 4 units

Grading: Letter Grade Only

This course applies industry-standard software engineering principles to the study of the object-oriented, general purpose programming language Microsoft C#, a member of the Microsoft Visual Studio.NET software development toolset. Coverage includes the typical topics of an introductory programming course. Extensive hands-on training is included in the laboratory sessions. This course is designed for students pursuing a degree in Computer Science or Information Systems and for vocational/professional students who are updating their programming skills set.

FT; AA/as; CSU; UC.

CISC 197 Microsoft C# Software Engineering II
48-54 hours lecture/48-54 hours lab; 4 units

Grading: Letter Grade Only

Prerequisite: CISC 193 with a Grade of "C" or better, or equivalent

This intermediate course applies industry-standard software engineering principles to the study of the object-oriented, general purpose programming language Microsoft C#, a member of the Microsoft Visual Studio with .NET software development toolset. Topics covered include review of object-oriented programming concepts as well as intermediate programming concepts specific to the Microsoft .NET and C# programming environment. This course is designed for students majoring in Computer Science or Information Systems and for vocational/professional students who are updating their programming skills set.

FT; AA/as; CSU; UC.

CISC 201 Advanced C++ Programming
48-54 hours lecture/48-54 hours lab; 4 units

Grading: Letter Grade Only

Prerequisite: CISC 192 with a Grade of "C" or better, or equivalent and CISC 205 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for CISC 196

This course is an advanced hands-on study of the C++ language programming best practices currently used in the industry. Emphasis is placed on generic programming through the use of templates and object-oriented programming. Robust and reliable coding practices are promoted through the disciplined use of exception handling and unit testing. This course is designed for computer science students and anyone interested in advancing their C++ programming skills.

FT; AA/as; CSU; UC.

CISC 205 Object Oriented Programming using C++

48-54 hours lecture/48-54 hours lab; 4 units

Grading: Letter Grade Only

Prerequisite: CISC 192 with a Grade of "C" or better, or equivalent

This course introduces students to Object Oriented Programming (OOP) using the C++ programming language. Emphasis is placed on essential concepts related to OOP, including use of classes and objects, inheritance, templates, polymorphism, pointers and references, and input/output (I/O) streams. This course is intended for students majoring in computer information technology and all students interested in OOP.

FT; AA/as; CSU; UC.

CISC 210 System Analysis and Design

48-54 hours lecture; 3 units

Grading: Letter Grade Only

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent

This course is an introductory, experiential study of the phases of the object-oriented software development life cycle (OOSDLC), including: stakeholder and requirements analysis; use cases development; software architecture; design patterns; project management; user interface considerations; interactive and prototyping methodology; component construction; programming best practices; quality assurance; and configuration management. This course is intended for students seeking advanced knowledge and applications in Computer and Information Sciences.

FT; AA/as; CSU; UC.

CISC 211 Computer Organization and Assembly Language

48-54 hours lecture/48-54 hours lab; 4 units

Grading: Letter Grade Only

Prerequisite: CISC 179 with a Grade of "C" or better, or equivalent or CISC 190 with a Grade of "C" or better, or equivalent or CISC 192 with a Grade of "C" or better, or equivalent or CISC 193 with a Grade of "C" or better, or equivalent

Advisory: MATH 116 with a Grade of "C" or better, or equivalent or MATH 141 with a Grade of "C" or better, or equivalent

This course is an introduction to the organization of modern digital computers and assembly language programming. Topics include language syntax; instruction set mnemonics; and segment, index, pointer, general purpose, and flag registers. A variety of memory addressing techniques are covered, as well as stack operations, particularly those associated with passing parameters to subroutine calls. Additional topics include machine architecture; memory addressing; input/output; interrupts; control structures; compiling; linking; and printer and disk interfaces. This course is intended for students majoring in computer and information sciences.

FT; AA/as; CSU; UC; C-ID: COMP 142.

CISC 217 Intermediate Python Programming

48-54 hours lecture/48-54 hours lab; 4 units

Grading: Letter Grade Only

Prerequisite: CISC 179 with a Grade of "C" or better, or equivalent

This course imparts intermediate Python concepts and skills, including the use of lists, tuples, dictionaries, object-oriented programming concepts, exception handling, Structured Query Language (SQL), Python database programming, and Object Relational Mapping (ORM) tools. Examples and projects used in this course inform diverse domains such as financial data processing, gaming applications, and more. This course prepares students for entry and mid-level positions in fields such as data science, game development, software development, automation, cyber security penetration development, and more. This course is designed for students majoring in Computer Science or Information Systems and for vocational/professional students who are updating their programming skill set.

FT; AA/as; CSU; UC.

CISC 220 Fundamentals of Computer Game Programming

48-54 hours lecture/48-54 hours lab; 4 units

Grading: Letter Grade Only

Advisory: CISC 179 with a Grade of "C" or better, or equivalent or CISC 187 with a Grade of "C" or better, or equivalent or CISC 190 with a Grade of "C" or better, or equivalent or CISC 192 with a Grade of "C" or better, or equivalent or CISC 193 with a Grade of "C" or better, or equivalent

This course introduces software programmers to the design and development of simple graphical computer-based games. The course may use Java or C# as the programming language of choice. Emphasis is placed on developing games in a team environment, designing logical games that satisfy player needs, and ensuring that games are of high quality through use of software engineering best practices and proper testing. This course is for students with some previous software programming experience.

FT; AA/as; CSU; UC.

CISC 221 Intermediate Computer Game Programming

48-54 hours lecture/48-54 hours lab; 4 units

Grading: Letter Grade or Pass/No Pass

Prerequisite: CISC 220 with a Grade of "C" or better, or equivalent

This course covers the field of software game program development. Students work as a team to design and build a complex software game. Students learn more complex elements of game construction, constituent technologies that facilitate their development, and collaborative software development and integration methodologies. This course is designed for students interested in furthering their knowledge in software game development.

FT; AA/as; CSU.

CISC 246 Discrete Mathematics for Computer Science**48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Prerequisite:** CISC 106 with a Grade of "C" or better, or equivalent or CISC 179 with a Grade of "C" or better, or equivalent or CISC 187 with a Grade of "C" or better, or equivalent or CISC 190 with a Grade of "C" or better, or equivalent or CISC 192 with a Grade of "C" or better, or equivalent or CISC 193 with a Grade of "C" or better, or equivalent or CISC 201 with a Grade of "C" or better, or equivalent or MATH 107 with a Grade of "C" or better, or equivalent**Advisory:** MATH 245 with a Grade of "C" or better, or equivalent

This is a course in discrete mathematics to include concepts and techniques in practical and theoretical computer science, and related disciplines. Topics include graph theory, algebras, probability theory, complexity analysis and models of computation. This course is intended for transfer students planning to major in computer science.

FT; AA/as; CSU; UC; C-ID: COMP 152.**CISC 270 Work Experience****54 - 216 hours other; 1-4 units****Grading:** Letter Grade Only**Limitation on Enrollment:** Obtain Permission Number-Work Exp. Coordinator

This course provides on-the-job learning experiences for students employed in a job or internship related to an occupational major. Students develop workplace competencies, critical thinking skills, and problem solving abilities through the creation and achievement of job-related behavioral learning objectives. One unit of credit may be earned for every 54 hours of work experience. A maximum of fourteen credit hours for all work experience subject areas may be earned during one enrollment period. This course is intended for students majoring or interested in an occupational field of study.

CISC 290 Independent Study**48-162 hours other; 1-3 units****Grading:** Letter Grade Only**Limitation on Enrollment:** Obtain Permission Number from Instructor

This course is for students who wish to conduct additional research, special problems or projects, or other learning activities in the field of computer and information sciences. It is not intended to replace an existing course in the discipline. In this course students have a written contract with their instructor for activities such as: problem analyses, engaging in primary research, and preparing reports.

CISC 401 Database Management and Design for Healthcare Professionals**48 - 54 hours lecture/48 - 54 hours lab; 4 units****Grading:** Letter Grade Only**Advisory:** CISC 181 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course discusses advanced topics in database management and design. The concepts covered in this course include programming language, current database structures utilized in healthcare, effective communication with end users and key stakeholders, identifying goals and requirements in database projects, performing end user analysis, and creating data models for performance improvement. Students explore all aspects of the data lifecycle from capture to storage and utilization to destruction. This course is designed for health information management majors.

FT; AA/as; CSU.

COMM-Communication Studies

For additional Communication Studies courses see COMS

COMM C1000 Introduction to Public Speaking

48-54 hours lecture; 3 units

Grading: Letter Grade Only

Limitation on Enrollment: This course is not open to students with previous credit for COMS 103 or SPEE 103 Part 1 (Identical): In this course, students learn and apply foundational rhetorical theories and techniques of public speaking in a multicultural democratic society. Students discover, develop, and critically analyze ideas in public discourse through research, reasoning, organization, composition, delivery to a live audience and evaluation of various types of speeches, including informative and persuasive speeches. Part 2 (Local): This course also includes an introduction to the rhetorical tradition of oral communication, emphasizing research, writing, and verbal and nonverbal messages. Communication theory is explored and applied to various live presentations using a variety of organizational contexts. This course is designed for communication studies majors and anyone interested in argumentation and the development of critical thinking skills. (Formerly COMS 103).

FT; AA/as; CSU; UC; C-ID: COMM 110.

COMS-Communication Studies

COMS 103 Oral Communication see COMM C1000 Introduction to Public Speaking

COMS 104 Advanced Public Communication

48-54 hours lecture; 3 units

Grading: Letter Grade Only

Prerequisite: COMM C1000 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for SPEE 104
This course covers theory, practice, and critical analysis of public communication, including speeches on subjects of current interest both local and global. It includes an introduction to the relationship between rhetorical theory and criticism and rhetorical practice in public communication. Special emphasis is placed on advanced platform speaking and limited preparation speaking. This course is designed for students majoring in communication studies or anyone interested in advancing fundamental speech skills.

FT; AA/as; CSU; UC.

COMS 111 Oral Interpretation

48-54 hours lecture; 3 units

Grading: Letter Grade Only

Limitation on Enrollment: This course is not open to students with previous credit for SPEE 111

This course is a practical study of the art of oral interpretation. Emphasis is placed on developing a foundation for critical analyses of literature in order to enhance spoken interpretation of prose, poetry, dramatic monologue and duo. This course is designed for communication studies and drama majors as well as anyone interested in improving their oratory skills.

COMS 117A Intercollegiate Forensics

48-162 hours lab; 1-3 units

Grading: Letter Grade or Pass/No Pass

Limitation on Enrollment: Tryout or Audition.

This course is not open to students with previous credit for SPEE 117A

This course is for students participating in their first semester of intercollegiate forensics (speech and debate) competition. Emphasis is placed on the preparation of platform speeches (informative, persuasive and after-dinner) at the novice intercollegiate level. Students taking the course for one unit participate in one event at one tournament; for two units, two events at two tournaments; for three units three events at three tournaments.

FT; AA/as; CSU.

COMS 117B Intercollegiate Forensics**48-162 hours lab; 1-3 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** COMS 117A with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for SPEE 117B Tryout or Audition.

This course is for students participating in their second semester of intercollegiate forensics (speech and debate) competition. Emphasis is placed on the preparation of oral interpretation events (poetry, prose, dramatic interpretation, dramatic-duo, informative, persuasive, after-dinner, program of oral interpretation, impromptu and extemporaneous speeches) at the novice to junior intercollegiate level. Students taking the course for one unit participate in one event at one tournament; for two units, two events at two tournaments; for three units three events at three tournaments.

FT; AA/as; CSU.**COMS 117C Intercollegiate Forensics****48-162 hours lab; 1-3 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** COMS 117B with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for SPEE 117C Tryout or Audition.

This course is for students participating in their third semester of intercollegiate forensics (speech and debate) competition. Emphasis is placed on limited preparation speech events (impromptu and extemporaneous) and debate at the intermediate to advanced level. Students taking the course for one unit participate in one event at one tournament; for two units, two events at two tournaments; for three units, three events at three tournaments.

FT; AA/as; CSU.**COMS 117D Intercollegiate Forensics****48-162 hours lab; 1-3 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** COMS 117C with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for SPEE 117D Tryout or Audition.

This course is for students participating in their fourth semester of intercollegiate forensics (speech and debate) competition. Emphasis is placed on the preparation of five (pentathlon) speech events, debate and team leadership at the advanced level. Students taking the course for one unit participate in one event at one tournament; for two units, two events at two tournaments; for three units, three events at three tournaments.

FT; AA/as; CSU.**COMS 135 Interpersonal Communication****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Limitation on Enrollment:** This course is not open to students with previous credit for SPEE 135

This course is a study of effective interpersonal skill development and practice in oral and written communication. Emphasis is placed on the personal, situational, and cultural influences of interaction. Topics include human perception, interpersonal dynamics, listening, conflict management, and verbal and nonverbal symbol systems. The course is intended for students who communicate in one-on-one situations, including communication, fashion, allied health, public service, and business majors as well as those interested in further development of effective interpersonal skills in work, volunteer, and personal environments.

FT; AA/as; CSU; UC; C-ID: COMM 130.

COMS 160 Argumentation and Critical Thinking**48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** ENGL C1000 with a Grade of "C" or better, or equivalent or ENGL 105 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for SPEE 160

This course is a study of argumentation and development of critical thinking through the rhetorical tradition.

Emphasis is placed on research, analysis of propositions, testing of evidence, and development of constructive and refutation cases through the writing and revision of a sequence of critical compositions as a foundation for oral debate. Students locate, evaluate, and integrate outside sources into their writing assignments, which total at least 6,000 words for the semester. This course is designed for communication studies majors and anyone interested in argumentation and the development of critical thinking skills through composition and spoken discourse.

FT; AA/as; CSU; UC; C-ID: COMM 120.**COMS 170 Small Group Communication****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** COMM C1000 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for SPEE 170

This course is a study of the concepts and theories related to group formation and development, and basic group communication dynamics. Students lead and participate in various forms of group discussion and activities. This course is designed for communication studies and business majors as well as for anyone interested in working effectively in small group settings.

FT; AA/as; CSU; UC; C-ID: COMM 140.**COMS 180 Intercultural Communication****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Limitation on Enrollment:** This course is not open to students with previous credit for SPEE 180

This course is a study of communication between members of diverse cultures. This study includes how cultures, cultural identity, languages, and social patterns affect communication between ethnic and cultural groups. Topics include interdependency in global society, verbal and nonverbal language systems, conflict styles, and contextual cultural implications. Students apply the principles of intercultural communication to contemporary cultural and global communication issues. This course is designed for communications majors and all students interested in developing intercultural communication skills.

FT; AA/as; CSU; UC; C-ID: COMM 150.**COMS 290 Independent Study****48 - 162 hours other; 1-3 units****Grading:** Letter Grade or Pass/No Pass**Limitation on Enrollment:** Obtain Permission Number from Instructor

This course is not open to students with previous credit for SPEE 290

This course is for students who wish to conduct additional research, a special project, or learning activities in a specific discipline/subject area and is not intended to replace an existing course in the discipline. In this course students will have a written contract with their instructor for activities such as: preparing problem analysis, engaging in primary research, preparing reports, and meeting with the instructor at specific intervals.

FT; AA/as; CSU.**COMS 401 Advanced Communication Skills for Healthcare Professionals****48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Advisory:** COMS 135 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course provides an overview of essential communication skills for healthcare professionals. The concepts include examination and application of relevant health communication theories, effective professional communication skills; specialized oral communication and presentation techniques; intercultural competencies; collaborative proficiencies; organizational communication methods; and professional approaches to technology facilitated communication. The course is designed for health information management majors.

FT; AA/as; CSU.

DANC-Dance

DANC 112A Ballet I

8-9 hours lecture/48-54 hours lab; 1.5 units

Grading: Letter Grade or Pass/No Pass

Limitation on Enrollment: This course is not open to students with previous credit for DANC 110 or DANC 110A.

Ballet I is a course in fundamental ballet technique focusing on correct body alignment and placement through warm-up, alignment, barre and center exercises in preparation for ballet movements. Students analyze, discuss, and critique the intent, movement, performance and theatrical elements of ballet movements at a fundamental level. This course is designed for dance majors and all students interested in Ballet.

FT; AA/as; CSU; UC.

DANC 112B Ballet II

8-9 hours lecture/48-54 hours lab; 1.5 units

Grading: Letter Grade or Pass/No Pass

Advisory: DANC 112A with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for DANC 110B. Ballet II is a course in beginning ballet technique focusing on correct body alignment and placement through repetition at warm-up, alignment, barre and center exercises in preparation for ballet movements. Students analyze ballet dance in comparison to another dance genre, regarding thematic content or intent, music, and theatrical elements. This course is designed for dance majors and all students interested in Ballet.

FT; AA/as; CSU; UC.

DANC 112C Ballet III

8-9 hours lecture/48-54 hours lab; 1.5 units

Grading: Letter Grade or Pass/No Pass

Advisory: DANC 112B with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for DANC 110C. Ballet III is a course in intermediate ballet technique focusing on correct body alignment and placement through repetition at barre, en diagonale, and center work including movement initiation and weight change. Students analyze, discuss, and critique ballet in regards to the thematic content or intent, choreographic creativity and movement, dancer's performance abilities, and theatrical elements. This course is designed for dance majors and all students interested in Ballet.

FT; AA/as; CSU; UC.

DANC 112D Ballet IV

8-9 hours lecture/48-54 hours lab; 1.5 units

Grading: Letter Grade or Pass/No Pass

Advisory: DANC 112C with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for DANC 110D.

Ballet IV is a course in Intermediate/Advanced ballet technique focusing on correct body alignment and placement through repetition at barre, en diagonale, and center work with an elevated level of various musical and movement textures, complex rhythms and emotional performance qualities. Students analyze, discuss, and critique ballet in regards to the thematic content or intent, choreographic creativity and movement, dancer's technical and performance abilities, choreographic structure, lighting design, music or sound design, mood conveyed and audience response. This course is designed for dance majors and all students interested in Ballet.

FT; AA/as; CSU; UC.

DANC 117A Tap Dance I

8-9 hours lecture/48-54 hours lab; 1.5 units

Grading: Letter Grade or Pass/No Pass

Limitation on Enrollment: This course is not open to students with previous credit for DANC 115 or DANC 115A.

This course introduces tap dance technique at the fundamental level. Instructions focuses on vocabulary, rhythms, balance studies and improvisations through warm-up, center floor combinations, rhythmic pattern exercises, in preparation for fundamental tap dance. Students explore and analyze dance styles, thematic content or intent, and theatrical elements at a fundamental level. This course is designed for dance and theater majors and all students interested in tap dance.

FT; AA/as; CSU; UC.

DANC 117B Tap Dance II**8-9 hours lecture/48-54 hours lab; 1.5 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** DANC 117A with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for DANC 115B. This course introduces tap dance technique at the beginning level. Instruction focuses primarily on the rhythm tap style; however, other tap styles are explored. Students practice beginning tap dance skills; rhythms, including swing and Latin; syncopation; time steps; short combinations; and stylings. The course includes an introduction to the history and performance of tap dance. This course is designed for dance and theater majors and all students interested in Tap.

FT; AA/as; CSU; UC.**DANC 117C Tap Dance III****8-9 hours lecture/48-54 hours lab; 1.5 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** DANC 117B with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for DANC 115C. This course is a course in intermediate tap technique and is designed for students who have mastered basic tap dance skills. Students focus on analyzing thematic content, and choreographic creativity in tap movement. Students explore group improvisation exercises, demonstrating active, well-timed participation and the use of interlocking rhythms. Students practice new and more complicated rhythms, movement coordination's and skills. The course presents a variety of musical forms related to tap dance. This course is designed for dance and theater majors and all students interested in Tap.

FT; AA/as; CSU; UC.**DANC 117D Tap Dance IV****8-9 hours lecture/48-54 hours lab; 1.5 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** DANC 117C with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for DANC 115D. This is a course in advance tap dance technique. This course is designed for students who want to further their mastery of Tap dance. Focus will be on increasing the speed and accuracy of execution of master tap routines and developing improvisation techniques. This course is designed for dance and theater majors and all students interested in Tap.

FT; AA/as; CSU; UC.**DANC 122A Hip Hop I****8-9 hours lecture/48-54 hours lab; 1.5 units****Grading:** Letter Grade or Pass/No Pass

Limitation on Enrollment: This course is not open to students with previous credit for DANC 120 or DANC 120A. This course is an introduction to Hip Hop dance. Emphasis is placed on fundamental Hip Hop technique and basic foundational party dances. This course is designed for dance majors and all students interested in Hip Hop dance.

FT; AA/as; CSU; UC.**DANC 122B Hip Hop II****8-9 hours lecture/48-54 hours lab; 1.5 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** DANC 122A with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for DANC 120B. This course is the second in a series of Hip Hop dance courses. Emphasis is placed on beginning Hip Hop technique, rhythms, and styles. This course is designed for dance majors and all students interested in Hip Hop dance.

FT; AA/as; CSU; UC.**DANC 122C Hip Hop III****8-9 hours lecture/48-54 hours lab; 1.5 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** DANC 122B with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for DANC 120C. This is the third in a series of Hip Hop dance courses. Emphasis is placed on intermediate Hip Hop dance technique, choreography, and breakin' foundations. This course is designed for dance majors and all students interested in Hip Hop dance.

FT; AA/as; CSU; UC.**DANC 122D Hip Hop IV****8-9 hours lecture/48-54 hours lab; 1.5 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** DANC 122C with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for DANC 120D. This course is the fourth in a series of Hip Hop dance courses. Emphasis is placed on intermediate/advanced Hip Hop dance technique, complex choreography, and cypher freestyling. This course is designed for dance majors and all students interested in Hip Hop dance.

FT; AA/as; CSU; UC.

DANC 125A Latin American Dance I**8-9 hours lecture/24-54 hours lab; 1-1.5 units****Grading:** Letter Grade or Pass/No Pass

Latin American Dance I is a beginning level survey course in a variety of established and emerging partnered dances of Latin American origin with an emphasis on Salsa dance and introductory techniques, styles, rhythms, leading or following skills, movement patterns and history of selected Latin dances. This course is designed for students who wish to explore dances from other cultures and partnered dance.

FT; AA/as; CSU; UC.**DANC 125B Latin American Dance II****8-9 hours lecture/24-54 hours lab; 1-1.5 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** DANC 125A with a Grade of "C" or better, or equivalent

Latin American Dance II is an advanced beginning to intermediate survey course in a variety of established and emerging partnered dances of Latin American origin with an emphasis on Salsa dance, including leading and following, intermediate Salsa styling, technique, variations, and history. When this course is offered for three hours a week, additional time is utilized in practice and perfection of movement variations and styling. This course is designed for students who wish to explore dance movements from other cultures and partnered dance.

DANC 126A Belly Dance I**32 - 54 hours lab; 0.5-1 units****Grading:** Letter Grade or Pass/No Pass**Limitation on Enrollment:** This course is not open to students with previous credit for DANC 126.

This is a fundamental course in social and stage dances from the region designated as the Near and Middle East. Emphasis is placed on fundamental techniques, styles, rhythms and history of American staged belly dance forms. This course is designed for students who wish to explore dance movements from other cultures.

FT; AA/as; CSU; UC.**DANC 126B Belly Dance II****32 - 54 hours lab; 0.5-1 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** DANC 126A with a Grade of "C" or better, or equivalent

This is the second course in social and stage dances from the region designated as the Near and Middle East. Emphasis is placed on beginning level techniques, styles, rhythms, cymbals and floor work of American staged belly dance forms. This course is designed for students who wish to explore dance movements from other cultures.

FT; AA/as; CSU; UC.**DANC 126C Belly Dance III****32 - 54 hours lab; 0.5-1 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** DANC 126B with a Grade of "C" or better, or equivalent

Belly Dance III is an intermediate level course in a variety of established and emerging belly dance forms. Emphasis is placed on techniques, styles, rhythms, use of various props and performance dynamics of American staged belly dance. This course is designed for students who wish to explore dance movements from other cultures.

FT; AA/as; CSU; UC.**DANC 126D Belly Dance IV****32 - 54 hours lab; 0.5-1 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** DANC 126C with a Grade of "C" or better, or equivalent

Belly Dance IV is an advanced level course in a variety of established and emerging belly dance forms. Emphasis is placed on advanced techniques, styles, rhythms, use of various props and performance dynamics of American staged belly dance. This course is designed for students who wish to explore dance movements from other cultures.

FT; AA/as; CSU; UC.**DANC 127 Movement for Wellness****24-27 hours lecture/24-27 hours lab; 2 units****Grading:** Letter Grade or Pass/No Pass

This course builds on basic concepts of anatomy, physiology, and kinesiology to introduce traditional and non-traditional approaches to movement and injury prevention. Emphasis is placed on the following modalities: Yoga, Pilates, breath support, mindfulness meditation, Tai Chi and Qi Gong, foam roller, and theraband. Students are also introduced to Feldenkrais, Alexander Technique, and Bartenieff fundamentals. Student skills and proficiencies are enhanced by supervised repetition of various body modalities techniques, alignment and core stabilization, and body connections. This course is intended for dance majors and all students interested in wellness through movement.

FT; AA/as; CSU.

DANC 130A Dance Repertoire**48-54 hours lab; 1 unit****Grading:** Letter Grade Only**Advisory:** DANC 112A with a Grade of "C" or better, or equivalent or DANC 137A with a Grade of "C" or better, or equivalent or DANC 142A with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for DANC 130

This course is an introduction to the choreography of renowned choreographers. Emphasis is placed on performing selected choreography in ballet, modern, jazz, tap, and musical theater. This course is intended for dance majors and minors as well as all students interested in dance.

FT; AA/as; CSU; UC.**DANC 137A Jazz Dance I****8-9 hours lecture/48-54 hours lab; 1.5 units****Grading:** Letter Grade or Pass/No Pass**Limitation on Enrollment:** This course is not open to students with previous credit for DANC 135 or DANC 135A.

This course is an introduction to jazz dance. Emphasis is placed on fundamental jazz dance technique, vocabulary, and performance concepts. This course is designed for dance majors and all students interested in jazz dance.

FT; AA/as; CSU; UC.**DANC 137B Jazz Dance II****8-9 hours lecture/48-54 hours lab; 1.5 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** DANC 137A with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for DANC 135B.

This course is the second in a series of Jazz dance courses. Emphasis is placed on beginning Jazz dance technique, turns, rhythms and styles. This course is designed for dance majors and all students interested in Jazz dance.

FT; AA/as; CSU; UC.**DANC 137C Jazz Dance III****8-9 hours lecture/48-54 hours lab; 1.5 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** DANC 137B with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for DANC 135C.

This course is the third in a series of Jazz dance courses. Emphasis is placed on intermediate Jazz dance technique, turns, rhythms and styles. This course is designed for dance majors and all students interested in Jazz dance.

FT; AA/as; CSU; UC.**DANC 137D Jazz Dance IV****8-9 hours lecture/48-54 hours lab; 1.5 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** DANC 137C with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for DANC 135D.

This course is the fourth in a series of Jazz dance courses.

Emphasis is placed on advanced Jazz dance technique, turns, rhythms and styles. This course is designed for dance majors and all students interested in Jazz dance.

FT; AA/as; CSU; UC.**DANC 142A Modern Dance I****8-9 hours lecture/48-54 hours lab; 1.5 units****Grading:** Letter Grade or Pass/No Pass**Limitation on Enrollment:** This course is not open to students with previous credit for DANC 140 or PHYE 140 or DANC 140A.

This course is an introduction to modern dance. Emphasis is placed on fundamental modern dance vocabulary, concepts, and techniques. Students are introduced to basic elements of choreography and history of early modern dance contributors. This course is designed for dance majors and all students interested in modern dance.

FT; AA/as; CSU; UC.**DANC 142B Modern Dance II****8-9 hours lecture/48-54 hours lab; 1.5 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** DANC 142A with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for DANC 140B

This course is the second in a series of modern dance courses. Emphasis is placed on beginning dance vocabulary, concepts, and techniques. Students manipulate elements of choreography and are introduced to basic anatomy. Topics include perspectives on modern dance history and techniques, with a focus on second generation dance artists and an introduction to African-American artists. This course is designed for dance majors and minors as well as students interested in modern dance.

FT; AA/as; CSU; UC.

DANC 142C Modern Dance III**8-9 hours lecture/48-54 hours lab; 1.5 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** DANC 142B with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for DANC 140C. This course is the third in a series of modern dance courses. Emphasis is placed on intermediate dance vocabulary, concepts, techniques, and anatomy. Students manipulate elements of choreography and rhythmic studies in movement. Topics include perspectives on modern dance history and techniques with a focus on third generation modern dance artists and an introduction to post-modern concepts. This course is designed for dance majors and minors as well as students interested in modern dance.

FT; AA/as; CSU; UC.**DANC 142D Modern Dance IV****8-9 hours lecture/48-54 hours lab; 1.5 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** DANC 142C with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for DANC 140D. This course is the fourth in a series of modern dance courses. Emphasis is placed on intermediate-advanced dance vocabulary, concepts, technique, and anatomy. Students manipulate and refine elements of choreography and rhythmic studies in movement. Topics include perspectives on modern dance history and techniques with a focus on contemporary modern dance artists. This course is designed for dance majors and minors as well as all students interested in modern dance.

FT; AA/as; CSU; UC.**DANC 145A Ballroom Dance I****8-9 hours lecture/24-54 hours lab/8 - 9 hours other; 1-1.5 units****Grading:** Letter Grade or Pass/No Pass

Limitation on Enrollment: This course is not open to students with previous credit for DANC 145. Ballroom Dance is an introductory course focusing on the fundamentals of partner dance and basic steps in a variety of social and ballroom dance genres. Emphasis is placed on basic kinesthetic concepts of connection to partner with correct body placement and physical compression as it pertains to either leading or following. Dance analysis will include exploration of dance style, thematic content or intent, and theatrical elements. This course is designed for dance and drama majors, as well as students who wish to explore historical dance.

FT; AA/as; CSU; UC.**DANC 145B Ballroom Dance II****8-9 hours lecture/24-54 hours lab; 1-1.5 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** DANC 145A with a Grade of "C" or better, or equivalent

Ballroom Dance II is the second in a series of ballroom dance courses focusing on partner dance and steps. Emphasis is placed on frame, style, partnering technique and variations in a variety of ballroom genres at the beginning through intermediate level, including concepts of connection to partner with correct body placement and physical compression as it pertains both leading and following. Dance analysis will include exploration of dance style, thematic content or intent, music, mood conveyed and theatrical elements. This course is designed for dance and drama majors, as well as students who wish to explore historical dance.

FT; AA/as; CSU; UC.**DANC 150A Dance Making: Ballet****48-54 hours lab; 1 unit****Grading:** Letter Grade Only

Advisory: DANC 253 with a Grade of "C" or better, or equivalent and DANC 112A with a Grade of "C" or better, or equivalent or DANC 137A with a Grade of "C" or better, or equivalent or DANC 142A with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for DANC 150. This course is a practical exploration of the processes and elements used in the art of dance making in the area of Ballet. Within a workshop format, students work under close faculty supervision to research the historical masterpieces of Ballet and reinterpret them in a contemporary light. Emphasis is placed on concept creation, use of story and movement, improvisation, dance patterns, revision and refinement to develop an original dance in a fixed, repeatable form. This course is designed for dance majors and all students interested in dance and choreography.

FT; AA/as; CSU; UC.

DANC 151A Dance Making: Jazz**48-54 hours lab; 1 unit****Grading:** Letter Grade Only**Advisory:** DANC 253 with a Grade of "C" or better, or equivalent and DANC 112A with a Grade of "C" or better, or equivalent or DANC 137A with a Grade of "C" or better, or equivalent or DANC 142A with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for DANC 151

This course is a practical exploration of the processes and elements used in the art of dance making in the area of Jazz. Within a workshop format, students work under close faculty supervision to research Jazz, including its African roots, its place in American musical theatre, and the influence of Funk, Hip-Hop and Latin rhythms, in order to create an original piece. Emphasis is placed on concept creation, use of story and movement, improvisation, dance patterns, revision and refinement to develop an original dance in a fixed, repeatable form. This course is designed for dance majors and all students interested in dance and choreography.

FT; AA/as; CSU; UC.**DANC 152A Dance Making: Modern****48-54 hours lab; 1 unit****Grading:** Letter Grade Only**Advisory:** DANC 253 with a Grade of "C" or better, or equivalent and DANC 112A with a Grade of "C" or better, or equivalent or DANC 137A with a Grade of "C" or better, or equivalent or DANC 142A with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for DANC 152

This course is a practical exploration of the processes and elements used in the art of dance making in the area of modern dance. Within a workshop format students work under close faculty supervision to research the 20th century pioneers of modern dance and 21st century trends to create an original, emotive modern dance. Emphasis is placed on concept creation, use of story, emotion and movement, improvisation, dance patterns, revision, and refinement to develop an original dance in a fixed, repeatable form. This course is designed for dance majors and all students interested in dance and choreography.

FT; AA/as; CSU; UC.**DANC 153A Dance Making: Dance Theatre****48-54 hours lab; 1 unit****Grading:** Letter Grade Only**Advisory:** DANC 253 with a Grade of "C" or better, or equivalent and DANC 112A with a Grade of "C" or better, or equivalent or DANC 137A with a Grade of "C" or better, or equivalent or DANC 142A with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for DANC 153

This course is a practical exploration of the processes and elements used in the art of dance making in the area of Dance Theatre. Within a workshop format, students work under close faculty supervision to integrate multimedia, text, spoken word, and/or film with dance to create an original piece of Dance Theatre. Emphasis is placed on concept creation, use of story and movement, improvisation, dance patterns, revision, and refinement to develop an original dance in a fixed, repeatable form. This course is designed for dance majors and all students interested in dance and choreography.

FT; AA/as; CSU; UC.**DANC 160A Pilates - Stretch and Conditioning****8-9 hours lecture/24-54 hours lab; 1-1.5 units****Grading:** Letter Grade or Pass/No Pass

Pilates is a course in stretch and conditioning based on exercises and concepts developed by Joseph H. Pilates. This course includes beginning mat work exercises to improve strength and flexibility. This course is of interest to dancers, athletes, and anyone seeking an understanding of Pilates exercises and concepts.

FT; AA/as; CSU; UC.**DANC 160B Pilates - Alignment and Correctives****8-9 hours lecture/24-54 hours lab; 1-1.5 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** DANC 160A with a Grade of "C" or better, or equivalent

Pilates is a course in alignment and correctives based on exercises and concepts developed by Joseph H. Pilates. This course includes intermediate mat exercises to improve body alignment, strength, flexibility, control, coordination, and breathing. This course is of interest to anyone seeking an understanding of Pilates exercises and concepts as well as dancers and athletes.

FT; AA/as; CSU; UC.

DANC 176A Dance Improvisation**8-9 hours lecture/48-54 hours lab; 1.5 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** DANC 112A with a Grade of "C" or better, or equivalent or DANC 137A with a Grade of "C" or better, or equivalent or DANC 142A with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for DANC 177 or DANC 177A.

This course is an introduction to improvisational dance. Emphasis is placed on space, time and energy as means for creating improvisational dance at the beginning level. This course is intended for all students interested in the use of improvisational movement in dance and non-dance settings.

FT; AA/as; CSU; UC.**DANC 176B Dance Improvisation II****8-9 hours lecture/48-54 hours lab; 1.5 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** DANC 176A with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for DANC 177B.

This course is an exploration of improvisational dance at the intermediate level. Emphasis is placed on space, time, and energy as a means of creating improvisational dance in structured and unstructured settings. Students utilize and refine improvisational dance skills in the creation of improvisational dance compositions. This course is intended for dance majors and all students interested in the use of improvisational movement in dance and non-dance settings.

FT; AA/as; CSU; UC.**DANC 181 History of Dance****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for PHYE 260

This course is a study of the history of dance. Emphasis is placed on the cultural, social and political aspects of dance in historical perspective. Students are challenged to broaden their aesthetic perceptions as they analyze and compare the influence of diverse cultures on western dance forms. Topics include the language of dance, dance technique and choreography. This class is intended for all students interested in dance and the history of dance.

FT; AA/as; CSU; UC.**DANC 183 Music for Dance****24-27 hours lecture/24-27 hours lab; 2 units****Grading:** Letter Grade Only

Music for Dance introduces the fundamentals of music through the study of terminology, notation, elements and form as they relate to movement. This course explores the interrelationship of music and dance and provides students the opportunity to compose and perform rhythmic and movement projects. This course is of interest to anyone seeking an understanding of music and movement fundamentals as well as dance majors. This course is designed to fulfill lower division requirements for dance majors.

FT; AA/as; CSU; UC.**DANC 253 Choreography****24-27 hours lecture/24-27 hours lab; 2 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** DANC 112A with a Grade of "C" or better, or equivalent or DANC 122A with a Grade of "C" or better, or equivalent or DANC 137A with a Grade of "C" or better, or equivalent or DANC 142A with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for PHYE 116

Choreography is a course that explores the theories and elements utilized in the creative process of dance composition. Emphasis is placed on student application of choreographic concepts through the development of movement compositions. This course is designed to fulfill lower division requirements for dance majors.

FT; AA/as; CSU; UC.**DANC 261A Dance Performance I****96-108 hours lab; 2 units****Grading:** Letter Grade Only**Advisory:** DANC 112A with a Grade of "C" or better, or equivalent or DANC 117A with a Grade of "C" or better, or equivalent or DANC 122A with a Grade of "C" or better, or equivalent or DANC 137A with a Grade of "C" or better, or equivalent or DANC 142A with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for DANC 261

This is the first in a series of dance performance courses. This course provides the opportunity for students to apply fundamental skills in ballet, jazz, tap, Hip Hop, and modern dance in concerts and community performances. Emphasis is placed on student application of dance, staging, and performance techniques in faculty choreographed works for large ensembles. This course is designed for dance majors and students interested in dance performance.

FT; AA/as; CSU; UC.

DANC 261B Dance Performance II**96-108 hours lab; 2 units****Grading:** Letter Grade Only

Advisory: DANC 112A with a Grade of "C" or better, or equivalent or DANC 117A with a Grade of "C" or better, or equivalent or DANC 122A with a Grade of "C" or better, or equivalent or DANC 137A with a Grade of "C" or better, or equivalent or DANC 142A with a Grade of "C" or better, or equivalent

This is the second in a series of dance performance courses. This course provides the opportunity for students to apply beginning skills in ballet, jazz, Hip Hop, tap, and modern dance in concerts and community performances. Emphasis is placed on student application of dance, staging, and performance techniques in student choreographed works for large ensembles. This course is designed for dance majors and students interested in choreography and dance performance.

FT; AA/as; CSU; UC.**DANC 261C Dance Performance III****96-108 hours lab; 2 units****Grading:** Letter Grade Only

Advisory: DANC 112B with a Grade of "C" or better, or equivalent or DANC 117B with a Grade of "C" or better, or equivalent or DANC 122B with a Grade of "C" or better, or equivalent or DANC 137B with a Grade of "C" or better, or equivalent or DANC 142B with a Grade of "C" or better, or equivalent

This is the third in a series of dance performance courses. This course provides the opportunity for students to apply intermediate skills in ballet, jazz, tap, Hip Hop, and modern dance in concerts and community performances. Emphasis is placed on student application of dance, staging, and performance techniques in faculty choreographed works for solos and small groups. This course is designed for dance majors and students interested in dance performance.

FT; AA/as; CSU; UC.**DANC 261D Dance Performance IV****96-108 hours lab; 2 units****Grading:** Letter Grade Only

Advisory: DANC 112C with a Grade of "C" or better, or equivalent or DANC 117C with a Grade of "C" or better, or equivalent or DANC 122C with a Grade of "C" or better, or equivalent or DANC 137C with a Grade of "C" or better, or equivalent or DANC 142C with a Grade of "C" or better, or equivalent

This is the fourth in a series of dance performance courses. This course provides the opportunity for students to apply advanced skills in ballet, jazz, Hip Hop, tap, and modern dance in concerts and community performances. Emphasis is placed on student application of dance, staging, and performance techniques in student choreographed works for solos and small groups. Students choreograph and produce all elements of performances in preparation to transfer to a university. This course is designed for dance majors and students interested in choreography and dance performance.

FT; AA/as; CSU; UC.**DANC 271A Stage Costuming for Dance****48-108 hours lab; 1-2 units****Grading:** Letter Grade Only

Limitation on Enrollment: This course is not open to students with previous credit for DANC 271

This production oriented course introduces students to the techniques of costume design and organization for a full dance production. Emphasis is placed on costume design, modification, and craft techniques, as well as on the organizational structure required for costume production for a staged dance performance. This course is intended for dance majors and all students interested in costume production for the stage.

FT; AA/as; CSU; UC.**DANC 271B Makeup for Dance Productions****48-108 hours lab; 1-2 units****Grading:** Letter Grade Only

This production oriented course introduces students to the materials and techniques used in stage makeup design and application for a full dance production. Emphasis is placed on vocabulary pertinent to the use of dance makeup and participation in the makeup crew for a full dance department production. This course is intended for dance majors and all students interested in makeup for the stage.

FT; AA/as; CSU; UC.

DANC 271C Lighting Design for Dance Production
48-108 hours lab; 1-2 units

Grading: Letter Grade Only

This production oriented course introduces students to the principles and practice of stage lighting. Emphasis is placed on design and drafting of lighting plots and the operation of basic lighting and electrical stage equipment. Students participate in lighting design and execution for a full department dance production. This course is intended for dance majors and all students interested in lighting for the stage.

FT; AA/as; CSU; UC.

DANC 271D Sound Design for Dance Production
48-108 hours lab; 1-2 units

Grading: Letter Grade Only

This production oriented course introduces students to the principles and practice of theater sound and its technical operation. Emphasis is placed on the basic aesthetic and technical aspects of sound design for the theater. Students participate in crew sound for a full department dance production. This course is intended for dance majors and all students interested sound for the stage.

FT; AA/as; CSU; UC.

DANC 290 Independent Study

48 - 162 hours other; 1-3 units

Grading: Pass/No Pass Only

Limitation on Enrollment: Obtain Permission Number from Instructor

This course is for students who wish to conduct additional research, a special project, or learning activities in dance. It is not intended to replace an existing course in the discipline. Projects may include extended research on dance subjects addressed in scheduled dance classes as well as topics outside the dance curriculum. The culmination of the course may include a written paper, presentation, or performance. An Independent Study has to be arranged with, approved and monitored by a member of the dance faculty.

FT; AA/as; CSU.

DENA-Dental Assisting

DENA 50 Dental Communications

48-54 hours lecture; 3 units

Grading: Letter Grade Only

Limitation on Enrollment: This course is not open to students with previous credit for DENA 102

This course is an introduction to dentistry. Emphasis is placed on the history of dentistry, current trends in the dental industry, educational requirements, and the responsibilities of each Dental Health Team. Students explore the dental field and its demands as they develop the verbal, non-verbal and written communication skills required to be effective members of a Dental Health Team. Topics include dental terminology, California Occupation Safety and Health Administration (Cal OSHA) standards, infection control basics, standards of patient care, methods of conflict resolution and an exploration of psychological issues related to dental patients, employers and co-workers. This course is for students who are interested in dental assisting and/or dental office administration.

FT; AA/as.

DENA 54 Basic Dental Assisting

32-36 hours lecture; 2 units

Grading: Letter Grade Only

Prerequisite: DENA 50 with a Grade of "C" or better, or equivalent

Corequisite: DENA 54L

Corequisite: Completion of or concurrent enrollment in: DENA 56 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for DENA 122 or DENA 124 Special Admission - must be admitted to program.

This basic dental assisting course presents the role of the restorative dental assistant. This course includes sterilization/disinfection principles, preparation/function of instruments, matrix systems and care/maintenance of dental equipment. Principles of team positioning as well as delivering dental care in four-and six-handed general dentistry, and moisture control methods are stressed. Patient relations and techniques of team interactions are introduced. This course is for students who have been admitted to the Dental Assisting Program.

FT; AA/as.

DENA 54L Basic Dental Assisting Lab**96-108 hours lab; 2 units****Grading:** Letter Grade Only**Corequisite:** DENA 54**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course is not open to students with previous credit for DENA 122L or DENA 124L

This basic dental assisting laboratory course allows for the practical application of chairside dental assisting techniques in restorative dentistry. Emphasis is placed on the manipulation and delivery of restorative materials, sterilization procedures, and the preparation of dental instruments and the treatment room. Topics also include the care and preventive maintenance of equipment used in restorative dentistry, team positioning, four- and six-handed dentistry, moisture control, placing and removing a dental dam, matrices, vital signs and overall patient handling. This course is for students who have been admitted to the Dental Assisting Program.

FT; AA/as.**DENA 56 Basic Dental Science****56-63 hours lecture; 3.5 units****Grading:** Letter Grade Only**Advisory: Completion of or concurrent enrollment in:**

DENA 50 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for DENA 105 or DENA 106. This course is a basic study of Science in Dentistry for dental assisting students. Emphasis is placed on anatomy, physiology, tooth morphology, embryology and histology, head and neck anatomy, and landmarks of the face and oral cavity. Topics include microbiology in dentistry, disease transmission in dentistry, oral pathology, pharmacology, medical emergencies in the dental office, pain control, and anesthesia. This course is for students who are interested in the dental assisting and/or dental office administration.

FT; AA/as.**DENA 58 Preventive Dental Care****24-27 hours lecture; 1.5 units****Grading:** Letter Grade Only**Prerequisite:** DENA 50 with a Grade of "C" or better, or equivalent**Corequisite:** DENA 58L**Corequisite: Completion of or concurrent enrollment****in:** DENA 56 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for DENA 104, DENA 103, or DENA 053

Special Admission - must be admitted to program.

This course is a study of the principles and techniques for preventing tooth decay. Emphasis is placed on nutrition, personal preventive oral hygiene, and education of the dental patient on issues related to preventive dental care. Students maintain a food log, analyze their nutritional and sweet intake and counsel one another on dietary choices. Students also practice applying fluoridation in conjunction with a caries detection device to aid against tooth decay. Topics also include coronal polishing, dental sealants and Caries Management By Risk Assessment (CAMBRA). This course is for students who have been admitted to the Dental Assisting Program.

FT; AA/as.**DENA 58L Preventive Dental Care Lab****24-27 hours lab; 0.5 units****Grading:** Letter Grade Only**Corequisite:** DENA 58 and DENA 83A

Limitation on Enrollment: This course is not open to students with previous credit for DENA 104, DENA 103L or DENA 053L

Special Admission - must be admitted to program.

This laboratory course is a practical application of preventive dental care, including an analysis of personal/patient nutrition and nutritional counseling. Emphasis is placed on a plaque control program using a variety of oral hygiene products and patient education strategies. Students perform fluoride treatments, use a variety of caries detection devices and perform caries risk assessments. Laboratory practice includes developing skills in coronal polishing and pit and fissure sealants. This course is for students who have been admitted to the Dental Assisting Program.

FT; AA/as.

DENA 60 Clinical Business Management**24-27 hours lecture; 1.5 units****Grading:** Letter Grade Only**Prerequisite:** DENA 50 with a Grade of "C" or better, or equivalent and DENA 56 with a Grade of "C" or better, or equivalent**Corequisite:** DENA 60L

Limitation on Enrollment: This course is not open to students with previous credit for DENA 131 or DENA 132. This course presents a basic foundation for the administrative dental assistant in accounts receivable and payable for manual and computerized systems. Included is the role of the dental assistant in clinical record keeping, preparing treatment plans, telephone techniques, effective scheduling, and insurance processing. The topics of this course also include maintaining recall system, inventory control, and marketing systems. Employment skills necessary to obtain a position as an administrative Registered Dental Assistant and cultivate skills necessary to remain employed are also covered in this course. This course also includes law and ethics and the California Dental Practice Act as they apply to dentistry. This course is designed for students enrolled in the Dental Assisting Program and/or Dental Office Administration.

FT; AA/as.**DENA 60L Clinical Business Management Lab****48-54 hours lab; 1 unit****Grading:** Letter Grade Only**Prerequisite:** DENA 50 with a Grade of "C" or better, or equivalent and DENA 56 with a Grade of "C" or better, or equivalent**Corequisite:** DENA 60

Limitation on Enrollment: This course is not open to students with previous credit for DENA 131 or DENA 132L. This lab course presents a basic foundation for the administrative dental assistant in accounts receivable and payable when theories can be applied to a computerized system. Included is the role of the dental assistant in clinical record keeping, preparing treatment plans, telephone techniques, effective scheduling, insurance processing, and maintaining recall and inventory control systems. This course is designed for students enrolled in the Dental Assisting Program.

FT; AA/as.**DENA 62 Dental Specialties I****40-45 hours lecture; 2.5 units****Grading:** Letter Grade Only**Prerequisite:** DENA 118 with a Grade of "C" or better, or equivalent and DENA 54 with a Grade of "C" or better, or equivalent**Corequisite:** DENA 62L

Limitation on Enrollment: Special Admission - must be admitted to program.

This course is not open to students with previous credit for DENA 161 or DENA 162.

This course presents the first phase of dental specialties, including oral and maxillofacial surgery, periodontics, and pediatric dentistry. Topics include mouth mirror inspection for the Registered Dental Assistant (RDA), basics of dental implants, teeth whitening, infection process of periodontal disease, and the types of dental instruments used in each specialty procedure. This course also covers the theory for the application of coronal polishing, as well as pit and fissure sealants. This course is designed for students enrolled in the Dental Assisting program.

FT; AA/as.**DENA 62L Dental Specialties I Laboratory****96-108 hours lab; 2 units****Grading:** Letter Grade Only**Prerequisite:** DENA 54L with a Grade of "C" or better, or equivalent and DENA 83A with a Grade of "C" or better, or equivalent and DENA 118L with a Grade of "C" or better, or equivalent**Corequisite:** DENA 62

Limitation on Enrollment: Special Admission - must be admitted to program.

This course is not open to students with previous credit for DENA 161L or DENA 162L.

This laboratory course presents the practical application of chairside assisting and laboratory techniques in the specialty areas of oral and maxillofacial surgery, periodontic surgery, dental implants, and pediatric dentistry. Assisting skills are developed in a variety of surgical procedures. This course provides certification in coronal polishing, pit and fissure sealants. The following are taught to clinical proficiency: mouth mirror inspection, use of intra-oral camera, charting the findings, bleaching trays, coronal polishing, pit and fissure sealants, and infection control evaluations for certification. This course is intended for the student enrolled in the Dental Assisting program.

FT; AA/as.

DENA 82 Dental Specialties II

40-45 hours lecture; 2.5 units

Grading: Letter Grade Only

Prerequisite: DENA 118 with a Grade of "C" or better, or equivalent and DENA 54 with a Grade of "C" or better, or equivalent

Corequisite: DENA 82L

Limitation on Enrollment: Special Admission - must be admitted to program.

This course is not open to students with previous credit for DENA 181 or DENA 182

This course presents the second phase of dental specialties, including prosthodontic dentistry, orthodontics and endodontic specialties. Topics include fixed and removable dental prosthesis, provisional coverage, application of liners and bases, and the types of dental instruments used in each specialty procedure. Law and ethics and the California Dental Practice Act as they apply to dental assisting are also presented. This course is designed for students enrolled in the Dental Assisting Program.

FT; AA/as.

DENA 82L Dental Specialties II Lab

96-108 hours lab; 2 units

Grading: Letter Grade Only

Prerequisite: DENA 54L with a Grade of "C" or better, or equivalent and DENA 58L with a Grade of "C" or better, or equivalent and DENA 118L with a Grade of "C" or better, or equivalent

Corequisite: DENA 82

Limitation on Enrollment: Special Admission - must be admitted to program.

This course is not open to students with previous credit for DENA 181L or DENA 182L

This course prepares the student to perform procedures of the chairside dental assistant in the specialty areas of fixed and removable prosthodontics, orthodontia and endodontics. Laboratory practice includes developing skills in constructing provisional crowns, placement of liners, bases, temporary sedative restorations on a typodont, scanning and milling a fixed crown, use and care of specialized instruments, and preparation of impression materials. The following are taught to clinical proficiency: preliminary impressions, impressions for orthodontic study models, bite registration, and infection control evaluations for certification. This course is intended for the student enrolled in the Dental Assisting program.

FT; AA/as.

DENA 83A Directed Clinical Practice

81 hours other; 1.5 units

Grading: Letter Grade Only

Prerequisite: DENA 50 with a Grade of "C" or better, or equivalent

Corequisite: Completion of or concurrent enrollment

in: DENA 54L with a Grade of "C" or better, or equivalent and DENA 58L with a Grade of "C" or better, or equivalent and DENA 118L with a Grade of "C" or better, or equivalent

Limitation on Enrollment: Special Admission - must be admitted to program.

This course is not open to students with previous credit for DENA 185A or DENA 186A or DENA 86A

This course is designed for students in the Dental Assisting program to gain experience in directed clinical practice (DCP) in a dental clinic. Basic dental assisting is the main focus of this course. Support procedures include: infection control, preparing treatment rooms and patients for treatment, and assisting in restorative chairside procedures using four and six-handed dentistry. The dental assisting student will also have the opportunity to manipulate a variety of dental materials. Students are required to complete Basic Life Support (BLS) Certification for Healthcare Providers before beginning at their clinical site. The DCP is coordinated by a member of the college faculty. Supervision of the student is shared by the staff of the affiliating institution and faculty from the Dental Assisting Program. Students may not be paid for DCP. This course is for students who have been admitted to the Dental Assisting Program.

FT; AA/as.

DENA 83B Directed Clinical Practice**216 - 243 hours other; 4.5 units****Grading:** Letter Grade Only**Prerequisite:** DENA 83A with a Grade of "C" or better, or equivalent**Corequisite:** DENA 139**Corequisite: Completion of or concurrent enrollment in:** DENA 60L with a Grade of "C" or better, or equivalent and DENA 62L with a Grade of "C" or better, or equivalent and DENA 82L with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course is not open to students with previous credit for DENA 185B, DENA 185C, DENA 185D, DENA 186B or DENA 86B

This course provides dental assisting students a comprehensive, supervised application of knowledge and skills in all aspects of chairside assisting and administrative procedures in dental offices or clinics. Focus is on the job-ready, safe, legal, ethical and effective application of registered dental assistant functions. Rotations to specialty clinics are required. Directed clinical practice (DCP) is coordinated by a member of the Dental Assisting program faculty. Supervision of the student is shared by the staff of the dental office or clinic and a faculty member. This course includes clinical hours of dental radiography and administrative assistant duties. Students may not be paid for DCP. This course is for students who are enrolled in the dental assisting program.

FT; AA/as.**DENA 118 Dental Materials****40-45 hours lecture; 2.5 units****Grading:** Letter Grade Only**Prerequisite:** DENA 50 with a Grade of "C" or better, or equivalent**Corequisite:** DENA 118L**Corequisite: Completion of or concurrent enrollment in:** DENA 56 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for DENA 116 or DENA 117. This course is a study of the materials used in dentistry and the agencies responsible for dental materials standards. Emphasis is placed on the history of restorative dentistry and its related materials. Topics include restorative, preventive and cosmetic materials, prosthetics, the chemical and physical properties of each material, and proper manipulation techniques. This course covers safe materials handling practices with emphasis on potential hazards to patient, operator and/or the environment. This course is for students who have been admitted to the Dental Assisting Program.

FT; AA/as; CSU.**DENA 118L Dental Materials - Lab****24-27 hours lab; 0.5 units****Grading:** Letter Grade Only**Corequisite:** DENA 118**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course is not open to students with previous credit for DENA 116L or DENA 117L

This course provides dental assisting students with the opportunity to manipulate a variety of dental materials commonly used in modern dentistry. Students practice proper safe handling, dispensing and manipulation techniques for each material presented. This course is for students who have been admitted to the Dental Assisting Program.

FT; AA/as; CSU.**DENA 138 Dental Radiography I****40-45 hours lecture; 2.5 units****Grading:** Letter Grade Only**Prerequisite:** DENA 50 with a Grade of "C" or better, or equivalent**Corequisite:** DENA 138L**Corequisite: Completion of or concurrent enrollment in:** DENA 56 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for DENA 127 or DENA 128 or DENA 129

Special Admission - must be admitted to program.

This is a lecture course that provides the dental assisting student with the history, ethics, infection control and principles of dental radiographic production. Various techniques for obtaining intra-oral radiographs and digital images are presented. The radiographic identification of anatomical landmarks, dental pathology and dental treatment is explored. An introduction to dental photography as well as the discussion of the management of pediatric patients and patients with special needs in dental radiography is also presented. This course is for students who have been admitted to the Dental Assisting Program.

FT; AA/as; CSU.

DENA 138L Dental Radiography Lab**48-54 hours lab; 1 unit****Grading:** Letter Grade Only**Corequisite:** DENA 138**Limitation on Enrollment:** This course is not open to students with previous credit for DENA 125 or DENA 127L or DENA 128L or DENA 129L

Special Admission - must be admitted to program.

This is a laboratory course in which the dental assisting student demonstrates radiation protective techniques, caring for dental x-ray equipment, exposing, processing, mounting, and evaluating dental radiographs using infection control techniques. Exposures are accomplished using dental film and digital imaging on manikins (DXTTR) in preparation for exposures on human patients. The student identifies anatomical landmarks and basic caries as well as periodontal disease processes on intra-oral and extra-oral radiographs with beginning level competence. The student obtains a set of full mouth radiographs on a human patient. This course is for students who have been admitted to the Dental Assisting Program.

FT; AA/as; CSU.**DENA 139 Dental Radiography II****24-27 hours lab; 0.5 units****Grading:** Letter Grade Only**Prerequisite:** DENA 138L with a Grade of "C" or better, or equivalent**Corequisite:** DENA 83B**Limitation on Enrollment:** This course is not open to students with previous credit for DENA 136

Special Admission - must be admitted to program.

This course is the clinical level of dental x-rays and covers the techniques and skills required for obtaining full mouth series of dental radiographs and digital images of diagnostic quality, including Panoramic and Cephalometric images. The use of various radiographic positioning devices is included. Students obtain extra-oral and intra-oral dental photographs. In addition students complete the NOMAD x-ray unit training using a pediatric dental manikin. The student has the opportunity to expose radiographs in a simulated private practice environment through a program of referral of patient by local dentists. Students obtain a California State Radiation Safety Certification of Completion upon satisfactory completion of course requirements. This course is designed for students enrolled in the Dental Assisting Program.

FT; AA/as; CSU.

DRAM-Dramatic Arts**DRAM 100A Fundamentals of Performance and Production I****192-216 hours lab; 4 units****Grading:** Letter Grade Only**Corequisite:** DRAM 104A**Limitation on Enrollment:** This course is not open to students with previous credit for DRAM 101

This hands-on course focuses on beginning acting skills, scenic design and construction techniques, and theatrical production. Students participate in all aspects of theatrical production through a college theatre company. This course is designed for first-year dramatic arts majors.

FT; AA/as; CSU; UC.**DRAM 100B Fundamentals of Performance and Production II****192-216 hours lab; 4 units****Grading:** Letter Grade Only**Corequisite:** DRAM 104B**Limitation on Enrollment:** This course is not open to students with previous credit for DRAM 102

This hands-on course focuses on beginning acting skills, lighting design and the technical aspects of lighting for the stage, and theatrical production. Students participate in all aspects of theatrical production through a college theatre company. This course is designed for first-year dramatic arts majors.

FT; AA/as; CSU; UC.

DRAM 103 Acting for Non-majors**48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for DRAM 130

This course introduces students to improvisational acting, treating acting as process-centered. The instructor leads the students using a variety of exercises to imagine, enact and reflect upon human experiences, emphasizing problem-solving skills in group improvisational work. This course is designed for introductory drama students and anyone who is interested in studying acting.

FT; AA/as; CSU.**DRAM 104A Theatre Company Performance I****48-108 hours lab; 1-2 units****Grading:** Letter Grade Only**Corequisite:** DRAM 100A

This course is an introduction to the performance process of a college theatre company production. Emphasis is placed on the introduction of the artistic process including work ethic, collaboration, and execution of assigned duties throughout all phases of the performance. This course is intended for students majoring in drama. Unit value for this course is determined by the given role.

DRAM 104B Theatre Company Performance II**48-108 hours lab; 1-2 units****Grading:** Letter Grade Only**Corequisite:** DRAM 100B

This course is the second level of the performance process of a college theatre company production. Emphasis is placed on the development of the artistic process within the theatrical performance. This course is intended for students majoring in drama. Unit value for this course is determined by the given role.

DRAM 105 Introduction to Dramatic Arts**48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This survey course introduces fundamental practices and creative processes in the dramatic arts. Through experimentation and examination, students gain greater insight and appreciation of the dramatic arts as an agent of change that is vital to the humanities. Aspects of theatre production and collaboration are covered through lecture, group discussion and participation. This course is designed for dramatic arts majors and all students interested in the dramatic arts.

FT; AA/as; CSU; UC; C-ID: THTR 111.**DRAM 106 Voice-Over Performance****32-36 hours lecture/48-54 hours lab; 3 units****Grading:** Letter Grade Only

Limitation on Enrollment: This course is not open to students with previous credit for RTVC 106, RTVF 106, DRAM 265 or RTVC 265.

This course is practical study of the voice-over industry. Emphasis is placed on voice-over performance techniques for radio and television commercials, multimedia, and other audio and video presentations. Students are expected to read aloud extensively as well as to record their voice for critique and self-evaluation. Topics include an overview of the voice-over business, marketing, current technology, and professional work and studio etiquette as well as legal and ethical issues in voice-over performance. Social and cultural constructs, economics, technology, and equity and social justice are explored. This course is designed for students pursuing media-related majors and anyone interested in media-related industries.

FT; AA/as; CSU.**DRAM 107 Study of Filmed Plays****48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This course is a study of cinematic adaptations of plays, comparing stage and screen versions in the areas of form and structure, writing, and production. Emphasis is placed on developing students' appreciation for dramatic art and providing practice in the art of theatre criticism. This course is designed for Drama majors and any student interested in the Humanities.

FT; AA/as; CSU; UC.**DRAM 108 Playwriting****48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Prerequisite:** Eligible to enroll in a transferable English composition course.

This course gives students an opportunity to write dramatic material for the theatre. Topics and exercises include exploring dialogue, monologue, exposition, autobiography, writing for various voices, and other areas related to playwriting. Students are required to write scenes and monologues that explore issues of structure, in order to develop a technique to explore individual and traditional dramatic ideas and processes. This class is designed for students majoring in theatre and those students interested in the Humanities.

FT; AA/as; CSU; UC.

DRAM 109 Theatre and Social Issues**48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This course is a study of the role of theatre in society within its cultural, aesthetic, economic, and political manifestations. Emphasis is placed on increasing students' understanding of politics in theatrical representation and comprehension of theatre as a tool for social change. Topics include the nature and function of theatrical representation, moving to historical and contemporary issues in American and World cultures. This class is designed for students majoring in theatre and those students interested in the Humanities and/or social and theoretical issues.

FT; AA/as; CSU; UC.**DRAM 112 Introduction to Script Analysis****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This course is intended to introduce Dramatic Arts majors, and other interested students, to the fundamental techniques of script analysis. Focus is on the students' ability to interpret and describe concepts and ideas as related to historical and contemporary dramatic literature. The course emphasizes the development of the techniques of script analysis specific its use in acting, directing, and design, as well as critical and social analysis.

FT; AA/as; CSU; UC; C-ID: THTR 114.**DRAM 114A Digital Storytelling I****32-36 hours lecture/48-54 hours lab; 3 units****Grading:** Letter Grade Only

This course is an introduction to the critical and current integration of the digital video medium into the dramatic arts to conceive, assemble, and share stories that engage audiences via the author's unique voice. Students use tools including video editing software, camcorders, and mobile devices to create digital video-based stories. The course also focuses on creation of demo reels, streaming and projection design for live theatre, video analysis and critique, on-camera performance, shot planning, and sound capture and design. This course is designed for students majoring in dramatic arts and those interested in the creation of digital storytelling media.

FT; AA/as; CSU; UC.**DRAM 114B Digital Storytelling II****32-36 hours lecture/48-54 hours lab; 3 units****Grading:** Letter Grade Only**Prerequisite:** DRAM 114A with a Grade of "C" or better, or equivalent

This course is an intermediate exploration of the critical and current integration of the digital video medium into the dramatic arts to conceive, assemble, and share stories that engage audiences via the author's unique voice. It focuses on on-camera performance, story development through script writing and storyboarding, and intermediate video production for the dramatic arts, including creation of demo reels and self-tape auditions, and streaming and projection design for live theatre, using tools including video editing software, camcorders, and mobile devices. It also focuses on the scheduling and execution of an entire production. This course is designed for students majoring in dramatic arts and those interested in the creation of digital storytelling media.

FT; AA/as; CSU; UC.**DRAM 118 Intermediate Playwriting****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** DRAM 108 with a Grade of "C" or better, or equivalent

This course examines themes, structures, and effective material that is written for the theatre at the intermediate level. Topics and exercises include the exploration of dialogue and monologue composition, exposition, autobiography, political and domestic social issues, writing for the opposite gender, and structure. Students are required to write scenes and plays that facilitate the development of a technique that is both individual and based on traditional dramaturgical ideas. Students present a folio of plays as well as critical analyses of plays and other works associated with theatre and playwriting. This course is designed for students majoring in theatre and those interested in creative writing and the humanities.

FT; AA/as; CSU.

DRAM 119 Film and Television Performance**32-36 hours lecture/48-54 hours lab; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** DRAM 132 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for RTVC 119 or RTVF 119 or DRAM 265 or RTVC 265

This course introduces students to the skills required for on-camera performing techniques as used in the motion picture and television industry. Students participate in the selection, rehearsal, and on-camera performance of material from television and motion picture scripts including drama, sitcoms, daytime dramas, and commercials. Emphasis is placed on cold-reading taped audition skills, improvisational and interview techniques, and the fundamental acting techniques required for on-camera performance. Legal and ethical issues in film and television performance, including the implications of social and cultural constructs, economics, technology, and equity and social justice, are explored. This course is designed for theatre, television, and film majors.

FT; AA/as; CSU.**DRAM 123 Beginning Stagecraft****32-36 hours lecture/48-54 hours lab; 3 units****Grading:** Letter Grade or Pass/No Pass**Limitation on Enrollment:** This course is not open to students with previous credit for DRAM 125

This course is a hands-on introduction to technical theatre production. Emphasis is placed on construction, painting, rigging, placement, and manipulation of stage scenery, lighting equipment, sound, projections, properties, and the organization and management of stage activity and stagecraft technology. This course is designed for theatre majors and students interested in backstage production.

FT; AA/as; CSU; UC; C-ID: THTR 171.**DRAM 124 Makeup for the Stage****32-36 hours lecture/48-54 hours lab; 3 units****Grading:** Letter Grade Only**Limitation on Enrollment:** This course is not open to students with previous credit for DRAM 122

This course is an introductory hands-on study of the materials and techniques used in stage and production makeup design and application. Emphasis is placed on the acquisition of a lexicon pertinent to the history and use of makeup in the theater as well as on the actual application of stage makeup in the classroom and as a member of the makeup crew for a theatrical and video production. This course is intended for students majoring in drama, theatre, film, radio and television and cosmetology as well as anyone interested in makeup for the stage.

FT; AA/as; CSU; UC; C-ID: THTR 175.**DRAM 127 Sound For Theatre****16-18 hours lecture/48-54 hours lab; 2 units****Grading:** Letter Grade or Pass/No Pass

This course is an introduction to the basic principles of audio production and the craft of sound design. Topics include technique, theory and procedures necessary to develop sound, music and effects integrated into theatre productions. This course is intended for the transfer student planning a major in Dramatic Arts, desiring competency in technical theatre or those interested in developing a deeper understanding of sound design.

FT; AA/as; CSU; UC.**DRAM 128 Stage Lighting Design****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass

This course is an introduction to the principles and practice of stage and film lighting design. Emphasis is placed on the operation of basic lighting equipment, design, and digital drafting techniques. Technical preparation for other forms of production, such as outdoors, television, and movies is included. This course is intended for students majoring in Dramatic Arts or those interested in technical theatre.

FT; AA/as; CSU; UC.**DRAM 129A Beginning Scene Painting****32-36 hours lecture/48-54 hours lab; 3 units****Grading:** Letter Grade or Pass/No Pass**Limitation on Enrollment:** This course is not open to students with previous credit for DRAM 129

This course introduces students to basic techniques and materials used in the painting of scenery for the stage. Emphasis is placed on techniques in faux painting, murals, trompe l'oeil (trick the eye), and decorative motifs for theatre. Students experiment with color mixing, base, layout, ink, lay-in detail, and the use of brushes and tools for application in theatre settings. This course is designed for drama majors, art students, and anyone interested in painting on a large scale.

FT; AA/as; CSU; UC.

DRAM 132 Beginning Acting**32-36 hours lecture/48-54 hours lab; 3 units****Grading:** Letter Grade Only**Limitation on Enrollment:** This course is not open to students with previous credit for DRAM 131A

This course is a beginning level study, practice and execution of the fundamentals of acting designed to develop a foundation in basic acting technique. Emphasis is placed on the effective communication of ideas and emotions by a dramatic character to audience. Topics include staging techniques, improvisation, theater games, scenes, monologues, stage movement, and an introduction to the lexicon of acting for theater. This course is intended for students who are interested in developing basic acting techniques.

FT; AA/as; CSU; UC; C-ID: THTR 151.**DRAM 133 Intermediate Acting****32-36 hours lecture/48-54 hours lab; 3 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** DRAM 132 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for DRAM 131B

This course is an intermediate level study of the fundamentals of acting. Emphasis is placed on the use of scene work as a tool for sharpening the actor's skill. Students work on scenes by a variety of playwrights as they increase vocal, physical and emotional flexibility as well as their stage presence. This course is designed for students majoring in Drama and anyone interested in honing their acting skill.

FT; AA/as; CSU; UC; C-ID: THTR 152.**DRAM 134 Beginning Voice for Actors****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass

This course is a study of the foundations of vocal technique for actors. Emphasis is placed on breath, projection, resonators, and diction. Students apply voice technique through classical and modern monologues. This course is designed for drama majors, multilingual learners, and anyone interested in refining voice and articulation skills.

FT; AA/as; CSU; UC.**DRAM 143 Beginning Costuming****32-36 hours lecture/48-54 hours lab; 3 units****Grading:** Letter Grade or Pass/No Pass

This lecture and laboratory course emphasizes student involvement in the techniques and methodology of costume construction. Topics include practical experience in sewing, fabrics and their modification, costume craft techniques such as millinery, masks, footwear and accessories, and service on costume crews. Students explore costume production procedures with regards to time, budgets, and labor. This course is designed for students majoring in performance and technical theatre or anyone interested in clothing and fashion.

FT; AA/as; CSU; UC; C-ID: THTR 174.**DRAM 150 Cinema as Art and Communication I****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass

This course is a survey of cinema as it relates to historical, aesthetic and critical influences on American society. Emphasis is placed on the development of the feature film from its inception through the 1960's. Topics include silent film, the introduction of sound, the aesthetics of black and white film, the technology of color, the birth of animated film, the influence of the director, the role of technology and the resulting influence on an audience. Students are also introduced to the film movements of the modern era, including Italian Neo-Realism, German Expressionism and Soviet Montage. This course is designed for students interested in a general survey of cinema.

FT; AA/as; CSU; UC.**DRAM 151 Cinema as Art and Communication II****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass

This course provides a survey of American cinema as it relates to cultural, aesthetic and critical influences on American society. The focus of the course is the development of the feature film from the 1970's through the present. The course traces and explains the impact of film movements of the modern era, the evolution of national cinemas, the innovations in animation and special effects, contemporary experimental cinema, the role of the home movie and video, as well as the influence of the director, the role of technology and the resulting influence on an audience. This course is intended for all students interested in a general survey of American cinema.

FT; AA/as; CSU; UC.

DRAM 165 Introduction to Stage Movement**48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Limitation on Enrollment:** This course is not open to students with previous credit for Drama 165A

This course is an introduction to basic techniques of movement for the stage. Emphasis is placed on the actor's body as an expressive instrument. Students acquire flexibility, strength, and physical repertoire of stage movement. This course is designed for drama and dance majors and anyone interested in honing stage movement skills.

FT; AA/as; CSU; UC.**DRAM 200A Fundamentals of Performance and Production III****192-216 hours lab; 4 units****Grading:** Letter Grade Only**Prerequisite:** DRAM 100B with a Grade of "C" or better, or equivalent and DRAM 100A with a Grade of "C" or better, or equivalent**Corequisite:** DRAM 204A**Limitation on Enrollment:** This course is not open to students with previous credit for DRAM 201

This hands-on course focuses on intermediate acting skills, costume design and construction, and theatrical production. Students participate in all aspects of theatrical production through a college theatre company. This course is designed for second-year dramatic arts majors.

FT; AA/as; CSU; UC.**DRAM 200B Fundamentals of Performance and Production IV****192-216 hours lab; 4 units****Grading:** Letter Grade Only**Prerequisite:** DRAM 100A with a Grade of "C" or better, or equivalent and DRAM 100B with a Grade of "C" or better, or equivalent**Corequisite:** DRAM 204B**Limitation on Enrollment:** This course is not open to students with previous credit for DRAM 202

This hands-on course focuses on intermediate acting skills, theatrical management, and theatrical production. Students participate in all aspects of theatrical production through a college theatre company. This course is designed for second-year dramatic arts majors.

FT; AA/as; CSU; UC.**DRAM 204A Theatre Company Performance III****48-108 hours lab; 1-2 units****Grading:** Letter Grade Only**Corequisite:** DRAM 200A

This course is the third level of the performance process of a college theatre company production. Emphasis is placed on the ability to model the artistic process within the practice of theatrical performance. This course is intended for students majoring in drama. Unit value for this course is determined by the given role.

DRAM 204B Theatre Company Performance IV**48-108 hours lab; 1-2 units****Grading:** Letter Grade Only**Corequisite:** DRAM 200B

This course is the fourth level of the performance process of a college theatre company production. Emphasis is placed on the ability to lead the artistic process within the practice of theatrical performance. This course is intended for students majoring in drama. Unit value for this course is determined by the given role.

DRAM 205 The American Musical on Stage and Screen**48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This course is a survey of the American musical on stage and film with an emphasis on the evolution of this unique American art form. Students explore the role of social, political, and demographic changes on Musical Theatre from late-nineteenth century stage productions to recent live, filmed, and digital manifestations. This class is designed for Dramatic Arts majors, Film majors, and anyone with an interest in musical theatre.

FT; AA/as; CSU; UC.

DRAM 235 Literature to Life-A Scene Study Course**96-108 hours lab; 2 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** DRAM 132 with a Grade of "C" or better, or equivalent

This performance-based course introduces students to interpreting and staging dramatic literature. It also examines and investigates how dramatic texts influence and are influenced by the time period and/or cultural context in which they were written, and through performance choices, relate its influence on contemporary American culture and society. Scene work may be selected in coordination with curriculum in other disciplines. Students rehearse the scenes in the first half of the semester and perform the scenes for both on-campus classes and high schools in the second half of the semester. This course is intended for drama majors and all students who have had some acting experience.

FT; AA/as; CSU.**DRAM 244A Theatre Workshop I**
48-108 hours lab; 1-2 units**Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This introductory class is designed for the rehearsal and performance of original, established, touring, or devised works. Aspects of theatre covered including acting, playwriting, and production support. This course is intended for introductory drama majors and all students interested in theatre arts.

FT; AA/as; CSU.**DRAM 244B Theatre Workshop II**
48-108 hours lab; 1-2 units**Grading:** Letter Grade or Pass/No Pass**Advisory:** DRAM 244A with a Grade of "C" or better, or equivalent

This class is designed for the intermediate level of rehearsal and performance of original, established, touring, or devised works. Various aspects of theatre are covered including acting, playwriting, directing, design, and production support. This course is intended for intermediate drama majors and all students interested in theatre arts.

FT; AA/as; CSU.**DRAM 244C Theatre Workshop III****48-108 hours lab; 1-2 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** DRAM 244B with a Grade of "C" or better, or equivalent

This class is designed for the intermediate-advanced level of rehearsal and performance of original, established, touring, or devised works. All aspects of theatre are covered including acting, directing, playwriting, design, and production support. This course is intended for intermediate-advanced drama majors and all students interested in theatre arts.

FT; AA/as; CSU.**DRAM 244D Theatre Workshop IV****48-108 hours lab; 1-2 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** DRAM 244C with a Grade of "C" or better, or equivalent

This class is designed for the advanced level of rehearsal and performance of original, established, touring, or devised works. All aspects of theatre are covered including acting, directing, playwriting, design, and production support. This course is intended for advanced drama majors and all students interested in theatre arts.

FT; AA/as; CSU.**DRAM 268 Experimental Theatre****48-162 hours lab; 1-3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** DRAM 132 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for maximum credit for DRAM 267

This course focuses on rehearsal, performance and production for experimental theatre. Emphasis is placed on the presentation of theatre styles not usually included in Dramatic Arts programs, such as staged readings, children's theatre, touring theatre, new works, avante garde, performance studies and cross-curriculum projects. Students may participate in a variety of roles, including playwriting, directing, acting, scenic design, sound design, lighting design, costume design, running crews and marketing. This course is intended for drama majors and anyone with minimal theatre experience.

FT; AA/as; CSU.**DRAM 290 Independent Study****48 - 162 hours other; 1-3 units****Grading:** Letter Grade or Pass/No Pass

Limitation on Enrollment: Obtain Permission Number from Instructor

Advanced special work in dramatic arts: acting, design, lighting, film, business, makeup, costumes, direction or play production.

DSPS-Disability Support Programs and Services

DSPS 40 Individual Assessment and Educational Planning

8-9 hours lecture; 0.5 units

Grading: Pass/No Pass Only

Limitation on Enrollment: This course is not open to students with previous credit for Disabled Students Programs and Services (DSPS) 050

This course teaches students about their individual learning aptitude as compared to measured academic achievement. Students use standardized achievement and aptitude assessment instruments in accordance with the California Community College Learning Disabilities Eligibility Model to create a learning profile related to community college academic demands. Other topics include individual cognitive processing strengths and weaknesses, compensatory learning strategies, study skills, and disability management. This course is intended for students who believe they may have a learning disability or those interested in exploring issues related to learning aptitudes.

DSPS 42 Basic Skills Applied Study Strategies

24-54 hours lab; 0.5-1 units

Grading: Pass/No Pass Only

This course provides students with extra support for academic success in a college course. Emphasis is placed on the application of fundamental study skills strategies and computer technologies for learning and applying course material. Students are required to create a realistic study schedule for independent and group study sessions. This course is intended for all students interested in college level study skills strategies.

ECON-Economics

ECON 120 Principles of Macroeconomics

48-54 hours lecture; 3 units

Grading: Letter Grade Only

Prerequisite: Successful completion of Intermediate Algebra with a grade of C or better or appropriate placement based on California Title 5 regulations. This course is an introduction to aggregate (macro) economic analysis. Topics include market systems; aggregate measures of economic activity; macroeconomic equilibrium; money and financial institutions; monetary and fiscal policy; international economics; and economic growth. This course is intended for business majors and students interested in macroeconomics.

FT; AA/as; CSU; UC; C-ID: ECON 202.

ECON 121 Principles of Microeconomics

48-54 hours lecture; 3 units

Grading: Letter Grade Only

Prerequisite: Successful completion of Intermediate Algebra with a grade of C or better or appropriate placement based on California Title 5 regulations. This course is an introduction to economic analysis of specific decision-making sectors in the economy (micro analysis). These sectors include households, firms, and government. Topics covered include productivity and costs for individual firms, industry types, the labor market, anti-trust issues, income distribution, and environmental externalities. This course is intended for business majors and all students interested in microeconomics.

FT; AA/as; CSU; UC; C-ID: ECON 201.

ECON 220 Economics of the Environment

48-54 hours lecture; 3 units

Grading: Letter Grade Only

This course is a study of major environmental issues from an economics perspective. Emphasis is placed on resource management. Market and government responses are evaluated and analyzed. International response to major environmental issues are explored. This course is designed for students interested in majoring in economics, sustainability, environmental science, political science, international studies, or related majors.

FT; AA/as; CSU; UC.

EDUC-Education

EDUC 44A Supervised Tutoring: Communication**1 - 162 hours other; 0 units****Grading:** Non-credit Course

This course is designed to prepare the student to succeed with the communication skills needed in corequisite and subsequent subject matter courses.

EDUC 44B Supervised Tutoring: Literacy**1 - 162 hours other; 0 units****Grading:** Non-credit Course

This course is designed to prepare the student to succeed with the literacy skills needed in corequisite and subsequent subject matter courses.

EDUC 44C Supervised Tutoring: Quantitative Reasoning**1 - 162 hours other; 0 units****Grading:** Non-credit Course

This course is designed to prepare the student to succeed with the quantitative reasoning needed in corequisite and subsequent subject matter courses.

EDUC 44D Supervised Tutoring: Critical Thinking**1 - 162 hours other; 0 units****Grading:** Non-credit Course

This course is designed to prepare the student to succeed with the critical thinking skills needed in corequisite and subsequent subject matter courses.

EDUC 100 Tutor Training**8-9 hours lecture/24-27 hours lab; 1 unit****Grading:** Pass/No Pass Only

This course prepares college-level students for tutoring adult/college students. Student trainees learn about tutoring methods as well as how to use appropriate written and mediated instructional materials. The course includes supervised tutoring practice.

FT; AA/as; CSU.**EDUC 120 Introduction to Human-Centered Instructional Design in the Age of Artificial Intelligence****2 units****Grading:** Letter Grade Only

This course is an introduction to instructional design. It provides a historical overview of the field of instructional design and explores the different kinds of instructional design jobs that exist today. Emphasis is placed on the foundational adult learning theories, including Universal Design for Learning and Andragogy, and instructional design frameworks, including ADDIE (Analysis, Design, Development, Implementation, Evaluation) and SAM (Successive Approximation Model). Students begin leveraging artificial intelligence (AI), and exploring how designing learning spaces that center care and connection can dismantle the barriers that exist in traditional training environments. This course is designed for students interested in pursuing a career in instructional design, current instructional designers needing to update their skills, and those interested in exploring instructional design.

FT; AA/as; CSU.**EDUC 122 Needs Assessment in Instructional Design****2 units****Grading:** Letter Grade Only**Advisory: Completion of or concurrent enrollment in:**

EDUC 120 with a Grade of "C" or better, or equivalent

This course offers an in-depth look at the needs assessment phase of instructional design, emphasizing the vital role of analyses in determining appropriate solutions, whether through training or alternative strategies. Students will explore various types of analysis through the lens of equity and empathy, learn to integrate AI in enhancing data collection and analysis, and employ the action mapping approach for fixing performance problems that don't involve training. This course equips students with the skills to conduct comprehensive needs assessments that support effective, inclusive learning solutions. This course is designed for students interested in pursuing a career in instructional design, current instructional designers needing to update their skills, and those interested in exploring instructional design.

FT; AA/as; CSU.

EDUC 124 Training Design

2 units

Grading: Letter Grade Only

Advisory: Completion of or concurrent enrollment in:

EDUC 120 with a Grade of "C" or better, or equivalent

This course is an overview of the design phase of instructional design. Emphasis is placed on evaluating the strengths and limitations of various training modalities to develop inclusive and accessible training. Students explore design prototyping, assessment strategies, and leveraging AI in the training design phase. Topics include an exploration of training formats, active learning strategies, and community-building strategies. This course is designed for students interested in pursuing a career in instructional design, current instructional designers needing to update their skills, and those interested in exploring instructional design.

FT; AA/as; CSU.

EDUC 126 Measuring Impact in Instructional Design

2 units

Grading: Letter Grade Only

Advisory: Completion of or concurrent enrollment in:

EDUC 120 with a Grade of "C" or better, or equivalent

In this course, students learn how to effectively measure the impact of training programs, incorporating both traditional approaches and AI-supported strategies to evaluate success. Emphasis is placed on understanding and applying Kirkpatrick's Four Levels of Training Evaluation. Students explore various methods for learning and training outcomes assessment, including the design and implementation of data collection tools such as surveys, to align training evaluations with business goals. Topics include learning assessment vs. outcomes assessment, methodologies for data collection, and the integration of AI to enhance and streamline evaluation processes. This course is designed for students interested in pursuing a career in instructional design, current instructional designers needing to update their skills, and those interested in exploring instructional design.

FT; AA/as; CSU.

EDUC 128 Facilitating Training

2 units

Grading: Letter Grade Only

Advisory: Completion of or concurrent enrollment in:

EDUC 120 with a Grade of "C" or better, or equivalent

In this course, students learn the nuances of effectively facilitating training across diverse environments, focusing on creating accessible and inclusive learning experiences. Students explore strategies for facilitating culturally relevant training and employing techniques that ensure all participants feel valued and engaged. Topics include various kinds of facilitation, ensuring accessibility and accommodations, building rapport across modalities, and the principles of Universal Design for Learning (UDL). Emphasis is placed on the use of active learning strategies as an equitable facilitation strategy. This course is designed for students interested in pursuing a career in instructional design, current instructional designers needing to update their skills, and those interested in exploring instructional design.

FT; AA/as; CSU.

EDUC 130 Inclusive Content Development

2 units

Grading: Letter Grade Only

Advisory: Completion of or concurrent enrollment in:

EDUC 120 with a Grade of "C" or better, or equivalent

In this course, students learn how to craft accessible course content using the principles of Universal Design for Learning (UDL) that resonates with the diverse backgrounds and lived experiences of all learners. Emphasis is placed on assessing and revising existing training materials to enhance inclusivity, utilizing a variety of authoring tools to develop engaging and representative course materials. Topics include accessibility basics, managing cognitive load, leveraging Open Educational Resources (OERs), and practical skills for developing content. Additional multimedia formats is explored, such as graphics, videos, and podcasts. This course is designed for students interested in pursuing a career in instructional design, current instructional designers needing to update their skills, and those interested in exploring instructional design.

FT; AA/as; CSU.

EDUC 132 Instructional Videos

2 units

Grading: Letter Grade Only

Advisory: Completion of or concurrent enrollment in:

EDUC 120 with a Grade of "C" or better, or equivalent

This course gives students experience with the entire video production process and a variety of video tools, from planning instructional video through recording, captioning, and sharing. Students explore successful strategies in each phase of the process, including knowing your audience and setting clear objectives, leveraging artificial intelligence (AI) to streamline the process, and tips for captioning. Emphasis is placed on short, humanized videos that connect with learners. Topics include storyboarding, scriptwriting, recording, editing basics, integrating interactive elements, and tips for updating and maintaining video content. This course is designed for students interested in pursuing a career in instructional design, current instructional designers needing to update their skills, and those interested in exploring instructional design.

FT; AA/as; CSU.

EDUC 134 E-learning Tools

2 units

Grading: Letter Grade Only

Advisory: Completion of or concurrent enrollment in:

EDUC 120 with a Grade of "C" or better, or equivalent

In this course, students learn to navigate the landscape of e-learning tools, focusing on evaluating and selecting the most suitable authoring tools for specific projects. Emphasis is placed on utilizing e-learning tools and exploring low cost alternatives to traditional authoring tools. Students explore how artificial intelligence (AI) can be seamlessly integrated into the development process to create more dynamic and personalized learning experiences. Topics include an overview of the e-learning development tools, working with templates and themes, incorporating multimedia, and creating interactions. This course is designed for students interested in pursuing a career in instructional design, current instructional designers needing to update their skills, and those interested in exploring instructional design.

FT; AA/as; CSU.

EDUC 136 Artificial Intelligence for Instructional Designers

2 units

Grading: Letter Grade Only

Advisory: Completion of or concurrent enrollment in:

EDUC 120 with a Grade of "C" or better, or equivalent

In this course, students learn the role of artificial intelligence (AI) in instructional design, focusing on leveraging AI to create more personalized and effective learning experiences. Emphasis is placed on analyzing the impact of AI technologies on the phases of instructional design, and evaluating various AI tools. Students explore the limitations of AI, including areas where human creativity and empathy are irreplaceable. Topics include the current landscape of AI in the field of instructional design, practical applications of AI tools, and the balance between leveraging AI and human intervention. This course is designed for students interested in pursuing a career in instructional design, current instructional designers needing to update their skills, and those interested in exploring instructional design.

FT; AA/as; CSU.

EDUC 138 Project Management for Instructional Designers

2 units

Grading: Letter Grade Only

Advisory: Completion of or concurrent enrollment in:

EDUC 120 with a Grade of "C" or better, or equivalent

In this course, students explore the essentials of project management tailored for instructional design, focusing on navigating through key project phases. Emphasis is placed on managing client expectations while developing effective communication strategies for stakeholder engagement. Students learn to apply iterative feedback processes and time management strategies to meet deadlines, and explore the integration of AI tools to enhance project efficiency. This course is designed for students interested in pursuing a career in instructional design, current instructional designers needing to update their skills, and those interested in exploring instructional design.

FT; AA/as; CSU; UC.

EDUC 140 Instructional Design Capstone

1 unit

Grading: Letter Grade Only

Prerequisite: EDUC 120 with a Grade of "C" or better, or equivalent

EDUC 122 with a Grade of "C" or better, or equivalent

EDUC 124 with a Grade of "C" or better, or equivalent

EDUC 126 with a Grade of "C" or better, or equivalent

EDUC 128 with a Grade of "C" or better, or equivalent

EDUC 130 with a Grade of "C" or better, or equivalent

In this course students compile a comprehensive portfolio that showcases their mastery of instructional design principles and projects. Emphasis is placed on showcasing the practical application of instructional design. Students engage in reflective practice and identify areas for continued professional growth and development in the field. This course provides an opportunity for students to synthesize knowledge, skills, and experiences gained, preparing them for career advancement in instructional design. This course is designed for students interested in pursuing a career in instructional design, current instructional designers needing to update their skills, and those interested in exploring instructional design.

FT; AA/as; CSU.

EDUC 150 Advanced Tutor Training

8-9 hours lecture/24-27 hours lab; 1 unit

Grading: Pass/No Pass Only

Advisory: EDUC 100 with a Grade of "C" or better, or equivalent

The course is designed to prepare college level persons for tutoring adult/college students in an online environment. Online tutoring methods, use of appropriate written and mediated instructional materials and equipment, and supervised practice tutoring are included in this course. Online tutoring techniques and methodology are emphasized. Laboratory hours are by arrangement with the tutorial center coordinators.

EDUC 200 Teaching as a Profession

32-36 hours lecture; 2 units

Grading: Letter Grade Only

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent

Advisory: Concurrent enrollment in: EDUC 203

This course is an introduction to the teaching profession. Emphasis is placed on the historical and philosophical foundations of the American education system and contemporary trends and issues related to teaching diverse learners in Kindergarten through grade 12 (K-12) classrooms. California's content standards and frameworks and teacher performance standards are also examined. This course is designed for students considering teaching as a profession.

FT; AA/as; CSU; UC; C-ID: EDUC 200 (EDUC 200, EDUC 203).

EDUC 203 Field Experience for Prospective Teachers

16-18 hours lecture; 1 unit

Grading: Letter Grade or Pass/No Pass

Advisory: Concurrent enrollment in: EDUC 200

Limitation on Enrollment: Health and Safety. Student must meet safety and health clearance standards for public school observers.

This course provides students interested in teaching at the Kindergarten through grade 12 (K-12) level with a 45-hour supervised field observation experience in a public K-12 classroom. Emphasis is placed on introducing students to classroom environments, management techniques, and curriculum designed for diverse learners. This course is intended for students who are considering teaching at the K-12 level as a profession.

FT; AA/as; CSU; UC; C-ID: EDUC 200 (EDUC 200, EDUC 203).

EDUC 211 Field Experience in Math and Science

16-18 hours lecture; 1 unit

Grading: Letter Grade Only

This course is guided classroom observations for prospective middle and high school mathematics and science teachers. Emphasis is placed on math and science education and strategies that promote professional development as well as teaching in culturally and linguistically diverse school settings. This course requires a minimum of 15 hours of classroom observation and is intended for community college students considering a career in teaching mathematics and science.

FT; AA/as; CSU; UC.

ELAC-English Language Acquisition

ELAC 15 Introduction to English Literacy and Communication

144-162 hours lecture; 9 units

Grading: Letter Grade or Pass/No Pass

Advisory: Assessment Skill Level L19. Students are advised to take the ELAC placement test prior to enrollment and perform at L19.

Limitation on Enrollment: This course is not open to students with previous credit for ENGL 7, ENGL 58, ESOL 19, or ESOL 19A

This course provides non-native English speakers with the skills to integrate reading, writing, grammar, and oral communication at the low-intermediate level. Emphasis is placed on comprehending, summarizing, and interpreting audio and written texts as well as expressing one's own thoughts and opinions. Topics include communicating in an academic setting, applying critical reading strategies, writing paragraphs and short compositions in a variety of genres, as well as analyzing and producing grammatical structures in context. This course is intended for non-native speakers of English preparing for college-level coursework.

FT.

ELAC 23 Academic Listening and Speaking I

96-108 hours lecture; 6 units

Grading: Letter Grade or Pass/No Pass

Prerequisite: ELAC 15 with a Grade of "C" or better, or equivalent or Milestone L20

Limitation on Enrollment: This course is not open to students with previous credit for ESOL 22

This course provides non-native English speakers with academic listening and speaking skills at the intermediate level. Emphasis is placed on developing accuracy and fluency in oral communication skills as well as understanding and responding to audio texts from a variety of genres. This course is intended for non-native speakers of English preparing for college-level coursework.

FT.

ELAC 25 Integrated Reading, Writing, and Grammar I

96-108 hours lecture; 6 units

Grading: Letter Grade or Pass/No Pass

Prerequisite: ELAC 15 with a Grade of "C" or better, or equivalent or Milestone L20

Limitation on Enrollment: This course is not open to students with previous credit for ENGL 8, ENGL 60, or ESOL 20 and ESOL 21

This course provides non-native English speakers with the skills to integrate reading, writing, and grammar at the intermediate level. Emphasis is placed on applying critical reading strategies to a variety of genres, writing paragraph and multi-paragraph compositions based on assigned readings, and analyzing and producing grammatical structures in context. This course is intended for non-native speakers of English preparing for college-level coursework.

FT.

ELAC 33 Academic Listening and Speaking II

48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

Prerequisite: ELAC 23 with a Grade of "C" or better, or equivalent or Milestone L30

Limitation on Enrollment: This course is not open to students with previous credit for ESOL 32

This course provides non-native English speakers with academic listening and speaking skills at the high-intermediate to advanced levels. Emphasis is placed on linguistic and interpersonal skills necessary for participation in a variety of formal and informal tasks in the college environment as well as understanding and responding to audio texts from a variety of genres. This course is intended for non-native speakers of English preparing for college-level coursework.

FT.

ELAC 35 Integrated Reading, Writing and Grammar II

96-108 hours lecture; 6 units

Grading: Letter Grade or Pass/No Pass

Prerequisite: ELAC 25 with a Grade of "C" or better, or equivalent or Milestone L30

Limitation on Enrollment: This course is not open to students with previous credit for ENGL 9, ENGL 6, or ESOL 30 and ESOL 31

This course provides non-native English speakers with the skills to integrate reading, writing, and grammar at the high-intermediate level. Emphasis is placed on applying critical reading strategies to a variety of genres, writing multi-paragraph compositions (including introduction of the academic essay) based on assigned readings and other sources, and analyzing and producing grammatical structures in context. This course is intended for non-native speakers of English preparing for college-level coursework.

FT.

ELAC 145 Integrated Reading, Writing, and Grammar III

96-108 hours lecture; 6 units

Grading: Letter Grade or Pass/No Pass

Prerequisite: ELAC 35 with a Grade of "C" or better, or equivalent or Assessment Skill Level L40

Corequisite: Completion of or concurrent enrollment

in: ELAC 33 with a Grade of "C" or better, or equivalent
Students who meet the prerequisite by completion of ELAC 35 must have completed ELAC 33 or be concurrently enrolled in ELAC 33.

Limitation on Enrollment: This course is not open to students with previous credit for ENGL 10, ENGL 62, ESOL 40, ESOL 45, or ELAC 45

This course provides non-native English speakers with the skills to integrate reading, writing, and grammar at the advanced level. Emphasis is placed on applying critical reading strategies to a variety of genres as well as analysis and synthesis of sources. The course also focuses on writing multi-paragraph compositions (including the academic essay), responding to and integrating sources, as well as analyzing and producing grammatical structures in context. This course is intended for non-native speakers of English preparing for college-level coursework.

FT; AA/as; CSU; UC.

ENGE-Engineering

ENGE 101 Introduction to Engineering

24-27 hours lecture; 1.5 units

Grading: Letter Grade or Pass/No Pass

Limitation on Enrollment: This course is not open to students with previous credit for ENGE 265B: Introduction to Engineering

This course is an introduction to engineering in the work environment, including familiarization with the different occupations of engineering. Emphasis is placed on engineering requirements, analysis, design, implementation and testing of actual engineering problems. Students learn the proper use of engineering tools including computers, statistics and computer simulations. This course is designed to help students decide whether to embark on an engineering or technical career.

FT; AA/as; CSU.

ENGE 116 Computational Methods in Engineering

32-36 hours lecture/48-54 hours lab; 3 units

Grading: Letter Grade Only

Corequisite: Completion of or concurrent enrollment

in: MATH 151 with a Grade of "C" or better, or equivalent
This course introduces students to computational methods and their applications to computer-based problem solving for engineers. Students formulate and solve engineering problems through modeling and the application of numerical methods, then evaluate and rationalize the results using Matlab computational engineering software. Topics include functions and arrays, data and file management, loops, control flow, and standard library packages and software. Numerical methods covered include matrix operations, Gauss Reduction, Newton Raphson, curve fitting, interpolation, numerical differentiation and numerical integration. Engineering application include finite element analysis, dynamics, computational fluid mechanics, data visualization and image analysis. This course is designed for students majoring in engineering.

FT; AA/as; CSU; UC.

ENGE 151 Computer-Aided Design**96-108 hours lab; 2 units****Grading:** Letter Grade or Pass/No Pass

Prerequisite: Successful completion of Intermediate Algebra with a grade of C or better or appropriate placement based on California Title 5 regulations. This course is an introduction to 3D computer-aided mechanical design using SolidWorks software. Emphasis is placed on the creation of basic to intermediate solid parts, the application of parametric 3D feature-based solid modeling, assignments of materials, building assemblies, developing exploded views and production drawings that include orthographic, pictorial, section, auxiliary, and detail views. Students apply software features, such as finite element analysis (FEA) and motion simulation. The course begins by covering basic features of all parts, continues with building simple assemblies with those parts, and culminates with creating both detail part and assembly output-product drawings. Students apply skills to group design projects, which include written reports and mechanical dimensioning using ANSI standards, Geometric Dimensioning and Tolerancing (GD&T), and thread notation per ASME Y14.5M-2009. Laboratory exercises that include industrial applications and practices are designed to strengthen these concepts. This course is intended for students majoring in Engineering or other disciplines including those in the physical sciences, and is designed for those with or without previous 3D CAD modeling application experience.

FT; AA/as; CSU; UC.**ENGE 200 Statics****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass

Prerequisite: PHYS 195 with a Grade of "C" or better, or equivalent

Corequisite: Completion of or concurrent enrollment in: MATH 151 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for ENGN 150. This course is a study of applications of the principles of mechanics to rigid bodies in equilibrium. The course content emphasizes areas of friction, centroids, center of gravity, analysis of structures, moments of inertia and methods of virtual work. This course is intended for students majoring in Engineering or disciplines included in the physical sciences.

FT; AA/as; CSU; UC.**ENGE 210 Properties of Materials****48-54 hours lecture; 3 units****Grading:** Letter Grade Only

Prerequisite: PHYS 195 with a Grade of "C" or better, or equivalent

Corequisite: Completion of or concurrent enrollment in: CHEM 200 with a Grade of "C" or better, or equivalent and CHEM 200L with a Grade of "C" or better, or equivalent

This course is a study of the chemical, physical and mechanical properties of engineering materials including metals, ceramics, polymers and composites. Emphasis is placed on function and structure as they relate to specific design considerations. This course is intended for students majoring in Engineering or disciplines included in the physical sciences.

FT; AA/as; CSU; UC.**ENGE 211 Properties of Materials - Laboratory****48-54 hours lab; 1 unit****Grading:** Letter Grade Only

Prerequisite: ENGE 210 with a Grade of "C" or better, or equivalent

This laboratory course provides opportunities to directly observe and study the interrelationships between engineering materials' structure and properties. Topics include the operation of engineering materials testing equipment, data gathering and analysis, and technical writing mechanics through formal laboratory reports. This course is designed for students majoring in Engineering.

FT; AA/as; CSU; UC.**ENGE 240 Digital Systems****48-54 hours lecture; 3 units****Grading:** Letter Grade Only

Limitation on Enrollment: This course is not open to students with previous credit for PHYN 265: Digital Systems

This course is an introduction to modeling, analysis, and design of digital systems primarily at the Logic Design Level. Students apply the basic theory of switching networks, use Boolean Algebra to analyze and synthesize switching networks, design logic gate networks, use simplification schemes to minimize part count and cost while providing optimum performance, and design and analyze sequential and combinational circuits using flip-flops and logic gate networks. This course is designed for students majoring in engineering or disciplines included in the physical sciences.

FT; AA/as; CSU; UC.

ENGE 250 Dynamics**48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Prerequisite:** ENGE 200 with a Grade of "C" or better, or equivalent**Corequisite: Completion of or concurrent enrollment in:** MATH 252 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for ENGN 250

This course is a study of fundamental principles of bodies in motion with an emphasis on kinematics and kinetics of particles and rigid bodies, moving reference frames, work-energy, linear and angular momentum relationships and their application to engineering problems. Vector notation is used throughout the course. This course is intended for students majoring in Engineering or disciplines included in the physical sciences.

FT; AA/as; CSU; UC.**ENGE 260 Electric Circuits****48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Prerequisite:** PHYS 196 with a Grade of "C" or better, or equivalent and MATH 151 with a Grade of "C" or better, or equivalent

This course is an introduction to the study of network analysis, basic network theorems, mesh and nodal analysis with independent and controlled sources. Emphasis is placed on steady state and transient responses of networks, complex frequency transformation, alternating current (AC), circuit analysis, power, reactive apparent power and power factor, and balanced three-phase electric systems. This course is intended for students majoring in Engineering or disciplines included in the physical sciences.

FT; AA/as; CSU; UC.**ENGL-English**

ENGL 101-Reading and Composition has been renumbered to ENGL C1000-Academic Reading and Writing.

ENGL 205-Critical Thinking and Intermediate Composition has been renumbered to ENGL C1001-Critical Thinking and Writing.

ENGL 31 Academic Literacy**32-36 hours lecture; 2 units****Grading:** Pass/No Pass Only**Prerequisite:** ELAC 145 with a Grade of "C" or better, or equivalent or Milestone R40/W40 or **Corequisite:** ENGL C1000 or ENGL 105

This is a course for students who have assessed into basic skills English courses and desire to concurrently enroll in English 101: Reading and Composition or English 105: Composition and Literature. Academic Literacy creates success in English 101 or 105 by focusing on reading, writing, and critical thinking. Students learn to articulate arguments, create academic identities, and build and strengthen relationships with texts, others, and themselves.

FT.**ENGL 105 Composition and Literature****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** ELAC 145 with a Grade of "C" or better, or equivalent or Milestone R40/W40 Students with Milestone R30/W30 must enroll in ENGL 105X (ENGL 105 and ENGL 31 learning community).

This is a composition course using literature as a background for improving writing skills. Students discuss the general nature and elements of literature and literary criticism by reading and analyzing representative works of fiction, drama, and poetry. Based on this subject matter, students are required to write a variety of critical papers, including a research paper, comprising at least 6,000 graded words. This course is intended for students majoring in English or those students interested in literature and in developing strong critical and analytical writing skills. Designated sections of this course may be taught from a specific cultural perspective.

FT; AA/as; CSU; UC.

ENGL 202 Introduction to Linguistics**48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This course is designed to introduce students to the field of linguistics. In this course, students develop an understanding of the nature of language through the study of core areas in linguistics, including phonetics, phonology, morphology, syntax, semantics, and pragmatics. Students also read, write, and think critically about related fields such as psycholinguistics, sociolinguistics, historical linguistics, and animal communication. This course is intended for students majoring in English or those with a general interest in linguistics.

FT; AA/as; CSU; UC.**ENGL 207 The Art of the Sentence****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** ENGL C1000 with a Grade of "C" or better, or equivalent or ENGL 105 with a Grade of "C" or better, or equivalent

This course is a study of the stylistic aspects of the sentence through the application of linguistic and rhetorical principles. Emphasis is placed on the interconnections among grammatical design, content, and purpose. Students move beyond basic correctness to sophisticated aspects of sentence patterning in order to achieve clarity and force in written expression. This course is intended for transfer students, those who desire to write and/or speak as effectively as possible in their academic work and/or career, and those with a special interest in language and linguistics.

FT; AA/as; CSU; UC.**ENGL 208 Introduction to Literature****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** ENGL C1000 with a Grade of "C" or better, or equivalent or ENGL 105 with a Grade of "C" or better, or equivalent

This course provides an inquiry into the basic nature of literature. Students read and analyze representative literary works in fiction, non-fiction, poetry, and drama from various cultures and periods, applying practical critical techniques in essays, reports, and exams. This course is designed for students with a general interest in literature as well as for those majoring in the field.

FT; AA/as; CSU; UC; C-ID: ENGL 120.**ENGL 209 Literary Approaches to Film****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent or ENGL 105 with a Grade of "C" or better, or equivalent

This course is a study of film from a literary perspective. Emphasis is placed on reading and writing about film, film analysis, and cultural impact. Topics include film composition, genre, and literary criticism. This course is designed for English majors and all students interested in literature and/or film.

FT; AA/as; CSU; UC.**ENGL 210 American Literature I****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** ENGL C1000 with a Grade of "C" or better, or equivalent or ENGL 105 with a Grade of "C" or better, or equivalent

This course is a survey of American literature from its beginning to the late 19th century, including representative works from the Colonial Period (1588-1765), the New Republic (1765-1829), the American Renaissance (1829-1860), and the beginnings of Realism (1860-1880). Students critically analyze and discuss diverse authors of these periods, addressing relevant historical, social, political, philosophical, aesthetic, cultural, and religious issues. This course is intended for English majors and anyone interested in American Literature.

FT; AA/as; CSU; UC; C-ID: ENGL 130.**ENGL 211 American Literature II****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** ENGL C1000 with a Grade of "C" or better, or equivalent or ENGL 105 with a Grade of "C" or better, or equivalent

A survey of American Literature from the late 19th century to the present, which includes representative works from the Age of Realism (1865-1914), the Modernist Period (1914-1945), and the Postmodern Era (1950-present). Students critically analyze and discuss diverse authors of these periods, addressing relevant historical, social, political, philosophical, aesthetic, cultural, and religious issues. This course is intended for English majors and anyone interested in American Literature.

FT; AA/as; CSU; UC; C-ID: ENGL 135.

ENGL 215 English Literature I: 800-1799**48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** ENGL C1000 with a Grade of "C" or better, or equivalent or ENGL 105 with a Grade of "C" or better, or equivalent

This course offers a survey of British literature from the Anglo-Saxon period to the pre-Romantic period (approximately 800 to 1799), including representative works from the Old and Middle English periods, the Renaissance and the Elizabethans, the Cavalier, Metaphysical, and Puritan periods, the Restoration and the Neoclassical periods. Students read and discuss the major authors of these periods, addressing relevant social, political, cultural, and religious issues. Through a variety of learning activities and assignments, students critically engage with specific works and their literary, cultural, historical and political significance, considering the interplay between text and context. This course is intended for English majors and all students interested in literature.

FT; AA/as; CSU; UC; C-ID: ENGL 160.**ENGL 216 English Literature II: 1800 - Present****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** ENGL C1000 with a Grade of "C" or better, or equivalent or ENGL 105 with a Grade of "C" or better, or equivalent

This course offers a survey of British literature from the Romantic period to the 21st century (approximately 1800 to the present) including representative works from the pre-Romantic and Romantic periods; the Victorian and later Victorian period; the Modern period; the Postmodern period; the postcolonial era; and the contemporary era. Students read and discuss the major authors of these periods, addressing relevant social, political, cultural, and religious issues. Students also critically analyze, in essays and research papers, authors, specific works, and other topics as assigned. This course is intended for students majoring in English and those interested in English Literature.

FT; AA/as; CSU; UC; C-ID: ENGL 165.**ENGL 220 Masterpieces of World Literature I:****1500 BCE - 1600 CE****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** ENGL C1000 with a Grade of "C" or better, or equivalent or ENGL 105 with a Grade of "C" or better, or equivalent

This course offers a survey of world literature in translation, from the ancient world through the European renaissance (approximately 2150 BCE - 1600 CE), including the established classic literature of the Near East, Tibet, Greece and Rome, India, China, Japan, Africa, the Islamic world, and Europe. Students read and discuss a variety of authors from these regions, and address relevant social, cultural, and religious issues. Students critically analyze, in essays and papers, specific authors, works, themes, and other topics as assigned. This course is intended for English majors and anyone interested in World Literature.

FT; AA/as; CSU; UC; C-ID: ENGL 140.**ENGL 221 Masterpieces of World Literature II:****1600 - Present****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** ENGL C1000 with a Grade of "C" or better, or equivalent or ENGL 105 with a Grade of "C" or better, or equivalent

This course offers a survey of world literature in translation, from the close of the European renaissance through the present time, including the literature of Asia, Europe, North America, Central America, South America, Africa and the Islamic world. Students read and discuss a variety of authors from these regions, and address relevant social, religious, and cultural issues. Students critically analyze, in essays and papers, specific authors, works, themes, and other topics as assigned. This course is intended for English majors and anyone interested in World Literature.

FT; AA/as; CSU; UC; C-ID: ENGL 145.

ENGL 230 Asian American Literature**48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** ENGL C1000 with a Grade of "C" or better, or equivalent or ENGL 105 with a Grade of "C" or better, or equivalent

This course is a survey of Asian American literature. The relationship between identity and the creative work of prominent Asian American writers is explored, as well as the ways in which Asian American writers have been influenced by various artistic, cultural, linguistic, and socio-political forces. Students are introduced to prominent Asian American texts and encouraged to analyze through writing and discussion the defining conversations and controversies in Asian American literary history. This course is intended for all students interested in Asian American Literature and Asian American Studies.

FT; AA/as; CSU; UC.**ENGL 234 Hip Hop Literature: A Poetry Class****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** ENGL C1000 with a Grade of "C" or better, or equivalent or ENGL 105 with a Grade of "C" or better, or equivalent

This course is an introduction to Hip Hop literature/poetry. Emphasis is placed on key figures, poets, and other artists who have profoundly contributed to the genre and its different styles and forms. The course explores Hip Hop poetry's connections to other prominent forms of literature and literary theories. This course is designed for English majors and anyone interested in Hip Hop literature.

FT; AA/as; CSU; UC.**ENGL 237 Women in Literature****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent or ENGL 105 with a Grade of "C" or better, or equivalent

This course is an introduction to images of women in literature and to women writers. Students read from a variety of genres including stories, poetry, novels, and essays, written by different authors from a range of social, cultural, and ethnic backgrounds. This course is intended for students majoring in English or anyone interested in literature.

FT; AA/as; CSU; UC.**ENGL 240 Shakespeare****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent or ENGL 105 with a Grade of "C" or better, or equivalent

This course is a survey of William Shakespeare's work. Emphasis is placed on analyses of representative plays and poems from the perspectives of theme, character, structure, and language in historical and contemporary contexts. This course is designed for students majoring in English and those with a general interest in the author or the period.

FT; AA/as; CSU; UC.**ENGL 245A Writing Creative Nonfiction****48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Prerequisite:** ENGL C1000 with a Grade of "C" or better, or equivalent or ENGL 105 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for ENGL 245
This is an intensive course in writing creative nonfiction. Emphasis is placed on the principles and methods of creative nonfiction and the critical analysis of student and master works addressing personal, social, political, and/or cultural issues. Students submit original creative nonfiction for class discussion and are introduced to the workshop format to further their work. This course is intended for students majoring in English and those preparing for writing-related careers in areas, such as publishing, journalism, communications, and education.

FT; AA/as; CSU; UC.**ENGL 245B Advanced Creative Nonfiction****48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Prerequisite:** ENGL 245A with a Grade of "C" or better, or equivalent

This course is an intensive course advanced creative nonfiction. Emphasis is placed on advanced techniques in character, point of view, narrative, plot, language, style, and structure. The creative process includes meetings with the professor to set goals. Students use fictional techniques of character development, plotting, setting, language, verb tense, and theme to compose nonfiction at an advanced level. This course is intended for students majoring in English and those preparing for writing-related careers in areas, such as publishing, journalism, communications, and education, and those desiring to develop a writing portfolio.

FT; AA/as; CSU; UC.

ENGL 247A Writing Seminar - Poetry**48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** ENGL C1000 with a Grade of "C" or better, or equivalent or ENGL 105 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for ENGL 247

This course is an introduction to writing poems. Emphasis is placed on the basic elements, techniques and invention strategies for writing poems, with some instruction in basic forms and evaluative techniques. This course is intended for students majoring in English and all students interested in writing poems.

FT; AA/as; CSU; UC.**ENGL 247B Advanced Writing Seminar - Poetry****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** ENGL 247A with a Grade of "C" or better, or equivalent

This course provides advanced instruction in writing poems. Emphasis is placed on sophisticated forms, techniques, and evaluation, as well as on preparing poems for submission and publication. This course is intended for students majoring in English and all students interested in writing poems.

FT; AA/as; CSU; UC.**ENGL 249A Introduction to Creative Writing I****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** ENGL C1000 with a Grade of "C" or better, or equivalent or ENGL 105 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for ENGL 249

This course is an introduction to creative writing with special emphasis on inclusive, anti-racist, and decolonized writing and artistic approaches. Students use the basic elements of poetry and fiction writing to analyze the works of professional BIPOC (Black, indigenous, and people of color) writers to create original pieces, and to critique the work of their peers as well as their own in supportive and inclusive writing workshop spaces. This course is intended for students majoring in English, and all students, as well as lifelong learners, interested in narrative/memoir, poetry, creative non-fiction, fiction, and screenwriting.

FT; AA/as; CSU; UC.**ENGL 249B Introduction to Creative Writing II****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** ENGL 249A with a Grade of "C" or better, or equivalent

This course is an exploration and application of creative writing with a focus on fiction and poetry. Students use complex elements of poetry and fiction writing to analyze the works of professional writers, to create original pieces, and to critique the work of their peers as well as their own. This course is intended for students majoring in English and all students interested in fiction and fiction writing.

FT; AA/as; CSU; UC.**ENGL 252A Fundamentals of Fiction Writing****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** ENGL C1000 with a Grade of "C" or better, or equivalent or ENGL 105 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for ENGL 253

This is an intensive course in fiction writing techniques at the beginning level. Students read and evaluate master works of fiction based on the basic elements of fiction writing introduced in class. Students write original fiction for submission to the class for discussion and integrate criticism offered by the instructor and peers through the editing process. This course is intended for students interested in a better understanding of literature and/or use of language as well as students interested in a writing-related career, such as publishing, journalism, communications, or education.

FT; AA/as; CSU; UC.**ENGL 252B Intermediate Fiction Writing****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** ENGL 252A with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for ENGL 254

This is an intensive course in fiction writing techniques at the intermediate level. Students read and evaluate master works of fiction that address personal, social, political, and cultural issues and integrate such elements into their original pieces of fiction. Students are expected to articulate, accept, and incorporate criticism through an increasingly sophisticated editorial process. This course is intended for students interested improving their creative writing skills and/or developing a portfolio prior to transferring to a four-year institution.

FT; AA/as; CSU; UC.

ENGL 290 Independent Study**48 - 162 hours other; 1-3 units****Grading:** Letter Grade or Pass/No Pass**Limitation on Enrollment:** Obtain Permission Number from Instructor

This course is for students who wish to conduct additional research, a special project, or learning activities in the field of English. It is not intended to replace an existing course in the discipline. In this course students have a written contract with their instructor for activities such as: preparing problem analyses, engaging in primary research, preparing reports, and meeting with the instructor at specific intervals.

FT; AA/as; CSU.**ENGL 401 Advanced Writing for Healthcare Professionals****48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Prerequisite:** ENGL C1001 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course provides an overview of writing for healthcare professionals. The primary concepts include effective workplace writing, the standards, conventions, and technologies of professional writing; communicating to a variety of audiences; the five stages of the writing process, critical reading of medical records and reports, and developing appropriate written responses to workplace challenges. Other topics will include research writing in APA format and grant writing. This course is designed for health information management majors.

FT; AA/as; CSU.**ENGL C1000 Academic Reading and Writing****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** Placement as determined by the college's multiple measures assessment process.**Advisory:** Milestone R40/W40. Students with Milestone R30/W30 must enroll in ENGL C1000X (ENGL C1000 and ENGL 31 learning community).**Limitation on Enrollment:** This course is not open to students with previous credit for ENGL 101

Part 1 (CCN Identical): In this course, students receive instruction in academic reading and writing, including writing processes, effective use of language, analytical thinking, and the foundations of academic research. Part 2 (Local): Students read, analyze, discuss, and think critically using a variety of works and sources. Based on these activities, students write essays, fully documented research projects, and other types of texts for various purposes and audiences. This written work, which demonstrates effective, logical, and precise expression of ideas, totals at least 6,000 graded words. Designated sections of this course may be taught from a specific cultural perspective. (Formerly ENGL 101).

FT; AA/as; CSU; UC; C-ID: ENGL 100.**ENGL C1001 Critical Thinking and Writing****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** College-level composition (ENGL C1000, ENGL C1000H, ENGL C1000E/C-ID ENGL 100) or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for ENGL 205

Part 1 (CCN Identical): In this course, students receive instruction in critical thinking for purposes of constructing, evaluating, and composing arguments in a variety of rhetorical forms, using primarily non-fiction texts, refining writing skills and research strategies developed in ENGL C1000 College Reading and Writing (C-ID ENGL 100) or similar first-year college writing course. Part 2 (Local): Emphasis is placed on reading, evaluating, and writing argumentative prose. Students locate, evaluate and integrate outside sources into their writing assignments, which total at least 8,000 words for the semester. This course is intended for students majoring in English and all students interested in improving critical thinking and writing skills. (Formerly ENGL 205).

FT; AA/as; CSU; UC; C-ID: ENGL 105.

ESCR-Escrow

EXSC-Exercise Science

EXSC 110A Surfing I**24-54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 113A with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** Health and Safety. Students will need to demonstrate the ability to swim in an ocean environment prior to being allowed to participate in ocean activities.

This is the first of four courses in surfing. Topics include historical perspective of surfing, ocean safety, surfing equipment, surfing etiquette, and surfing fundamentals. This course is designed for students interested in the Aquatics Certificate of Achievement, kinesiology majors or those that want to learn about surfing.

FT; AA/as; CSU; UC.**EXSC 110B Surfing II****24-54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 110A with a Grade of "C" or better, or equivalent and EXSC 113A with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** Health and Safety. Students will need to demonstrate the ability to swim in an ocean environment prior to being allowed to participate in ocean activities.

This is the second of four courses in surfing. Topics include surfing fitness and conditioning, advanced wave selection, intermediate wave riding techniques and basic beach first aid. This course is designed for students interested in the Aquatics Certificate of Achievement, kinesiology majors or those that want to learn about surfing.

FT; AA/as; CSU; UC.**EXSC 110C Surfing III****24-54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 110B with a Grade of "C" or better, or equivalent and EXSC 113A with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** Health and Safety. Students will need to demonstrate the ability to swim in an ocean environment prior to being allowed to participate in ocean activities.

This is the third of four courses in surfing. Topics include advantages of surfing, advanced paddling techniques and advanced riding techniques. This course will also cover environmental issues as they pertain to the ocean and surfing. This course is designed for students interested in the Aquatics Certificate of Achievement, kinesiology majors or those that want to learn about surfing.

FT; AA/as; CSU; UC.**EXSC 110D Surfing IV****24-54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 110C with a Grade of "C" or better, or equivalent and EXSC 113A with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** Health and Safety. Students will need to demonstrate the ability to swim in an ocean environment prior to being allowed to participate in ocean activities.

This is the fourth of four courses in surfing. Topics include rescue techniques, surfboard repair, surf trip planning and advanced paddling and riding techniques. This course is designed for students interested in the Aquatics Certificate of Achievement, kinesiology majors or those that want to learn about surfing.

FT; AA/as; CSU; UC.**EXSC 112 Adapted Swimming****32 - 54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Limitation on Enrollment:** A physician's medical release form is required.

This course is not open to students with previous credit for PHYE 181A.

This course is designed for students with disabilities to learn how to swim through modified swimming strokes based on their abilities. Emphasis is placed on practice in the fundamental swimming strokes and aquatic conditioning, including water safety skills. Stroke analysis, conditioning and endurance is stressed in the progression of the class. When this course is offered for three hours a week, the additional time is utilized for enhanced musculo-skeletal and cardio-vascular fitness development.

FT; AA/as; CSU; UC.**EXSC 113A Swimming I****32 - 54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Limitation on Enrollment:** This course is not open to students with previous credit for PHYE 155 or PHYE 155W. This course is the first in a series of swimming courses. Emphasis is placed on fundamental swimming technique and water safety skills. This is an entry level course for novice swimmers. When this course is offered for three hours per week, the additional time is utilized for skill development.**FT; AA/as; CSU; UC.**

EXSC 113B Swimming II**32 - 54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 113A with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for PHYE 155X. This course is the second in a series of swimming courses. Emphasis is placed on the development of swimming strokes, open turns, entering the water, and aquatic emergency situations. This course is intended for beginning level swimmers with some aquatic experience. When this course is offered for three hours per week, the additional time is utilized for skill development.

FT; AA/as; CSU; UC.**EXSC 113C Swimming III****32 - 54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 113A with a Grade of "C" or better, or equivalent and EXSC 113B with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for PHYE 155Y. This course is the third in a series of swimming courses. Emphasis is placed on intermediate swim stroke development, open turns, head first water entry, and pool and open water emergency response. This course is intended for intermediate level swimmers. When this course is offered for three hours per week, the additional time is utilized for skill development.

FT; AA/as; CSU; UC.**EXSC 113D Swimming IV****32 - 54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 113B with a Grade of "C" or better, or equivalent and EXSC 113C with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for PHYE 155Z. This course is the fourth in a series of swimming courses. Emphasis is placed on advanced swimming techniques, turns, finishes, and racing starts, swim propulsion and drag theories, and aquatic survival and safety skills. This course is intended for advanced swimmers. When this course is offered for three hours per week, the additional time is utilized for skill development.

FT; AA/as; CSU; UC.**EXSC 114A Aquatic Fitness I****32 - 54 hours lab; 0.5-1 units****Grading:** Letter Grade Only

Limitation on Enrollment: This course is not open to students with previous credit for PHYE 106. This course is the first in a series of four aquatic fitness courses. This course is an introduction to cardiovascular fitness through aquatic activities. Topics include aquatic fitness testing, timed swims, proper warm-up and cool-down, principles of swimming propulsion, and introductory safety. This course is intended for those starting at an entry level of cardiovascular fitness.

FT; AA/as; CSU; UC.**EXSC 114B Aquatic Fitness II****32 - 54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 114A with a Grade of "C" or better, or equivalent

This course is the second in a series of four aquatic fitness courses. This course provides instruction and conditioning for various beginning level aquatic activities. Topics include beginning personal aquatic workout design and implementation, aquatic interval training, heart rate monitoring, using a pace clock, and safety concerns and techniques. This course is intended for those starting at a beginning level of cardiovascular fitness.

FT; AA/as; CSU; UC.**EXSC 114C Aquatic Fitness III****32 - 54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 114B with a Grade of "C" or better, or equivalent

This course is the third in a series of four aquatic fitness courses. This course provides instruction and conditioning for various intermediate level aquatic activities. Topics include analysis of personal health and lifestyle, intermediate level workout design, goal setting and motivation, body specific training for an aquatic environment, individual aquatic activities, and intermediate training types and safety concerns. This course is intended for those starting at an intermediate level of cardiovascular fitness.

FT; AA/as; CSU; UC.

EXSC 114D Aquatic Fitness IV**32 - 54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 114C with a Grade of "C" or better, or equivalent

This course is the fourth in a series of four aquatic fitness courses. This course provides instruction and conditioning for various advanced aquatic activities. Topics include components of aquatic fitness, advanced workout design, aquatic training for specific races, strokes and events, aquatic training with advanced equipment, advanced aquatic conditioning terminology and nutrition and hydration principles. This course is intended for those starting at an advanced level of cardiovascular fitness.

FT; AA/as; CSU; UC.**EXSC 116A Stand Up Paddle Boarding****48-54 hours lab; 1 unit****Grading:** Letter Grade Only**Advisory:** EXSC 113A with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** Health and Safety. Students will need to demonstrate the ability to swim at the first class meeting on the water.

This is the first of two courses to provide instruction in water paddling. Emphasis for this course is Stand Up Paddle Boarding. Topics include paddling equipment, etiquette, safety in a water environment and paddling techniques. This course is designed for those students that are interested in the Certificate of Achievement in Aquatics, kinesiology majors or the sport of Stand Up Paddle Boarding.

FT; AA/as; CSU; UC.**EXSC 116B Kayaking****48-54 hours lab; 1 unit****Grading:** Letter Grade Only**Advisory:** EXSC 113A with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** Health and Safety. Students will need to demonstrate the ability to swim at the first class meeting on the water.

This is the second of two courses to provide instruction in water paddling. Emphasis for this course is kayaking. Topics include paddling equipment, etiquette, safety in a water environment and paddling techniques. This course is designed for those students that are interested in the Certificate of Achievement in Aquatics, kinesiology majors or the sport of kayaking.

FT; AA/as; CSU; UC.**EXSC 118 Lifeguard Training****40-45 hours lecture/24-27 hours lab; 3 units****Grading:** Letter Grade Only**Limitation on Enrollment:** This course is not open to students with previous credit for PHYE 139.

This course gives the most current instruction in the American Red Cross lifeguard training techniques and first aid and cardiopulmonary resuscitation/automated external defibrillation (CPR/AED) skills required to gain eligibility for a lifeguarding position. Upon successful completion, students earn certifications for American Red Cross Lifeguard Training and CPR/AED for the Professional Rescuer. Adequate swimming skills are necessary. Students may petition to re-enroll in the course to renew certifications. This course is of interest to students who wish to earn the American Red Cross certifications necessary for employment as a lifeguard and those interested in the Aquatics Certificate of Achievement.

FT; AA/as; CSU; UC.**EXSC 119 Water Safety Instructor****40-45 hours lecture/24-27 hours lab; 3 units****Grading:** Letter Grade Only**Limitation on Enrollment:** This course is not open to students with previous credit for PHYE 164.

This course gives the most current instruction in the American Red Cross (ARC) Water Safety Instructor (WSI) course. Upon successful completion, students earn WSI certification, which enables them to teach the Learn to Swim programs of the American Red Cross. Adequate swimming skills are necessary at the Learn to Swim Level 4. Students may petition to re-enroll in the course to renew certifications. This course is of interest to students who wish to earn the American Red Cross certifications necessary for employment as a swimming instructor and those interested in the Aquatics Certificate of Achievement.

FT; AA/as; CSU; UC.**EXSC 122A Cardio Zumba I****48-54 hours lab; 1 unit****Grading:** Letter Grade Only

This course is an introduction to Cardio Zumba that incorporates several latin styles of dance including but not limited to merengue, salsa, cumbia and reggaeton. Emphasis is placed on fundamental Zumba technique, vocabulary and fitness concepts. This course is designed for all students interested in Zumba as a cardiovascular, movement-oriented sport, as well as students majoring in kinesiology.

FT; AA/as; CSU; UC.

EXSC 122B Cardio Zumba II**48-54 hours lab; 1 unit****Grading:** Letter Grade Only**Advisory:** EXSC 122A with a Grade of "C" or better, or equivalent

This is the second course in Cardio Zumba. This level will ask students to increase the intensity of movement, including higher impact. Students will use additional arm and hip variations with new steps. Rhythm styles will expand to include Cha Cha, Mambo, Pop, Soca, Bollywood and Samba. This course is designed for students interested in Zumba as a cardiovascular, movement-oriented sport, as well as those majoring in kinesiology.

FT; AA/as; CSU; UC.**EXSC 124A Core and Cardio Fitness I****32 - 54 hours lab; 0.5-1 units****Grading:** Pass/No Pass Only

Limitation on Enrollment: This course is not open to students with previous credit for PHYE 153 or PHYE 153W. This course provides students with introductory level knowledge and practice in attaining and maintaining core and cardio fitness levels. Instruction emphasizes cardiovascular fitness as well as core fitness through individual and circuit training. This course is the first in a series of four core and cardio fitness courses. It is intended for students seeking to develop introductory physical fitness habits or Kinesiology majors.

FT; AA/as; CSU; UC.**EXSC 124B Core and Cardio Fitness II****32 - 54 hours lab; 0.5-1 units****Grading:** Pass/No Pass Only**Advisory:** EXSC 124A with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for PHYE 153X. This course provides introductory level students with beginning knowledge and practice in attaining and maintaining core and cardio fitness levels. Instruction emphasizes beginning cardiovascular fitness as well as core fitness through individual and circuit training. Other topics include a variety of core fitness tests, stability ball exercise routines, and beginning level aerobic and core conditioning program design. This course is the second in a series of four core and cardio fitness courses. It is intended for students seeking to develop beginning physical fitness habits or Kinesiology majors.

FT; AA/as; CSU; UC.**EXSC 124C Core and Cardio Fitness III****32 - 54 hours lab; 0.5-1 units****Grading:** Pass/No Pass Only**Advisory:** EXSC 124B with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for PHYE 153Y. This course provides beginning level students with intermediate knowledge and practice in attaining and maintaining core and cardio fitness levels. Instruction emphasizes intermediate cardiovascular fitness as well as core fitness through individual and circuit training. Other topics include fitness level assessment and conditioning for the treadmill; continuous, interval, and fartlek aerobic conditioning elements; beginning plyometric exercises; coronal and oblique plane movements; and clinical evaluations such as blood pressure and blood lipid tests. This course is the third in a series of four core and cardio fitness courses. It is intended for students seeking to develop intermediate physical fitness habits or Kinesiology majors.

FT; AA/as; CSU; UC.**EXSC 124D Core and Cardio Fitness IV****32 - 54 hours lab; 0.5-1 units****Grading:** Pass/No Pass Only**Advisory:** EXSC 124C with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for PHYE 153Z. This course provides intermediate students with advanced knowledge and practice in attaining and maintaining core and cardio fitness levels. Instruction emphasizes advanced cardiovascular fitness as well as core fitness through individual and circuit training. Other topics include core and cardio fitness assessment data comparison; advanced core fitness assessments including plyometric tests; cardiovascular interval and sprint training; advanced plyometric training involving lateral movement; dietary analysis; and identification and incorporation of dietary modifications. This course is the fourth in a series of four core and cardio fitness courses. It is intended for students seeking to develop advanced physical fitness habits or Kinesiology majors.

FT; AA/as; CSU; UC.

EXSC 125A Aerobic Dance I**32 - 54 hours lab; 0.5-1 units****Grading:** Letter Grade Only

Limitation on Enrollment: This course is not open to students with previous credit for PHYE 103 or PHYE 103W. This course is an introduction to all forms of Aerobic Dance and movement. Emphasis is placed on fundamental Aerobic Dance technique, vocabulary, and performance concepts. This course is the first in a series of four aerobic dance courses. It is designed for all students interested in Aerobics as a cardiovascular, movement-oriented sport.

FT; AA/as; CSU; UC.**EXSC 125B Aerobic Dance II****32 - 54 hours lab; 0.5-1 units****Grading:** Letter Grade Only

Advisory: EXSC 125A with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for PHYE 103X. This course provides students with knowledge and practice in beginning Aerobic Dance principles. Emphasis is placed on beginning Aerobic Dance technique, vocabulary, strength, and performance concepts. Other topics include Cardio Latin dance rhythms and styles, additional dance vocabulary, expanded use of weights, and sports nutrition. This course is the second in a series of four aerobic dance courses. It is designed for all students interested in Aerobics as a cardiovascular, movement-oriented sport.

FT; AA/as; CSU; UC.**EXSC 125C Aerobic Dance III****32 - 54 hours lab; 0.5-1 units****Grading:** Letter Grade Only

Advisory: EXSC 125B with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for PHYE 103Y. This course provides students with knowledge and practice in intermediate level, complex forms of Aerobic Dance, its variations, and directional changes. Cardio Kickboxing technique and plyometric moves are added for a diverse, dynamic workout. Emphasis is placed on intermediate level Aerobic Dance technique, vocabulary, and performance concepts. This course is the third in a series of four aerobic dance courses. It is designed for all students interested in Aerobics as a cardiovascular, movement-oriented sport, and who have taken the beginning level version of this class.

FT; AA/as; CSU; UC.**EXSC 125D Aerobic Dance IV****32 - 54 hours lab; 0.5-1 units****Grading:** Letter Grade Only

Advisory: EXSC 125C with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for PHYE 103Z. This course provides students with knowledge and practice in complex forms of advanced Aerobic Dance and its variations, such as Cardio Latin dance, Cardio Kickboxing, and Cardio Hip Hop styles and rhythms. Emphasis is placed on advanced levels of Aerobic Dance technique, vocabulary, and performance concepts. Other topics include advanced principles of body alignment such as movement combinations and jumps; advanced level plies such as sliding and jumping; and plyometrics. This course is the fourth in a series of four aerobic dance courses. It is designed for all students interested in Aerobics as a cardiovascular, movement-oriented sport, and who have taken the intermediate level version of this class.

FT; AA/as; CSU; UC.**EXSC 126A Cardio Conditioning I****32 - 54 hours lab; 0.5-1 units****Grading:** Letter Grade Only

Limitation on Enrollment: This course is not open to students with previous credit for PHYE 123 or 123W. This course provides instruction in the basic skills necessary to improve aerobic fitness, cardiovascular health, muscular endurance/strength, and static flexibility. Topics include fitness terminology, identifying individual fitness level and areas to improve, basic exercise programming, proper warm up/cool down and resting/exercise heart rate. This class is designed for students interested in a healthy lifestyle as well as kinesiology majors.

FT; AA/as; CSU; UC.**EXSC 126B Cardio Conditioning II****32 - 54 hours lab; 0.5-1 units****Grading:** Letter Grade Only

Advisory: EXSC 126A with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for PHYE 123X. This course provides instruction in exercise programming through moderately intense activities including cross training, basic boxing, plyometrics, speed and agility, core stability, dynamic flexibility and nutrition. This course is designed to provide students the opportunity to continue the fundamental principles of physical fitness and their impact on life-long health and wellness. This class is designed for students interested in a healthy lifestyle as well as kinesiology majors.

FT; AA/as; CSU; UC.

EXSC 126C Cardio Conditioning III**32 - 54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 126B with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for PHYE 123Y. This course is designed to provide students the opportunity to develop and implement a personalized fitness plan to help them pursue their lifelong commitment to life-long health and wellness. Topics include goal setting, training zones, and body specific training principles through moderate/highly intense activities. This class is designed for students interested in a healthy lifestyle as well as Kinesiology majors.

FT; AA/as; CSU; UC.**EXSC 126D Cardio Conditioning IV****32 - 54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 126C with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for PHYE 123Z. This course is the fourth in a series of Cardio Conditioning courses. Students develop, analyze and implement advanced group fitness plans. Topics include agility and jump training, running, sports cross training, advanced core training, stress management and nutrition. Data gathering and assessment methods are also covered. This class is designed for students interested in a healthy lifestyle as well as Kinesiology majors.

FT; AA/as; CSU; UC.**EXSC 130A Indoor Cycling I****24-54 hours lab; 0.5-1 units****Grading:** Letter Grade Only

This course is the first in a series of Indoor Cycling courses. Emphasis is placed on instruction in the basic fundamentals necessary to improve indoor cycling techniques and improve cardiovascular/aerobic fitness. Topics includes cycling terminology and ergonomics, overall fitness evaluation, various indoor cycling exercise regimens, and goal setting programs for individual health and fitness benefits. This class is designed for students interested in cardiovascular fitness improvement through indoor cycling (spinning).

FT; AA/as; CSU; UC.**EXSC 130B Indoor Cycling II****24-54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 130A with a Grade of "C" or better, or equivalent

This course is the second in a series of Indoor Cycling courses. Emphasis is placed on beginning to intermediate cycling techniques, heart rate calculations, fitness evaluations, and cardiovascular training and program design. Beginning level principles of physiology are explored including how to train to elicit a desired physiological response. This class is designed for students interested in aerobic fitness improvement through indoor cycling as well as Kinesiology majors.

FT; AA/as; CSU; UC.**EXSC 130C Indoor Cycling III****24-54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 130B with a Grade of "C" or better, or equivalent

This course is the third in a series of Indoor Cycling courses. Emphasis is based on intermediate to advanced cycling techniques, interval training, power cycling, and intermediate workload training. Intermediate level principles of physiology are explored including how to train within a workload range and why. This class is designed for students interested in aerobic fitness improvement through indoor cycling as well as Exercise Science or related majors.

FT; AA/as; CSU; UC.**EXSC 130D Indoor Cycling IV****24-54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 130C with a Grade of "C" or better, or equivalent

This is the fourth course in a series of Indoor Cycling courses. Emphasis is placed on advanced cycling techniques, advanced interval training, advanced power cycling and advanced workload training. Advanced principles of physiology are explored including how to train within a workload and why. This class is designed for students interested in aerobic fitness improvement through advanced indoor cycling as well as Exercise Science or related majors.

FT; AA/as; CSU; UC.

EXSC 134 Adapted Weight Training**32 - 54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Limitation on Enrollment:** A physician's medical release form is required.

This course is not open to students with previous credit for PHYE 182

This course is designed for students with disabilities as an introduction to progressive resistance training. Emphasis is placed on developing cardiorespiratory and muscle endurance, muscle strength and flexibility and a healthy body composition through individualized safe and beneficial exercise programming. The course includes exercises that focus on relaxation, joint mobility, body maintenance, and activities for daily living. A physician's medical release is required.

EXSC 135A Individual Conditioning I**32 - 54 hours lab; 0.5-1 units****Grading:** Letter Grade Only

Limitation on Enrollment: This course is not open to students with previous credit for PHYE 132 or PHYE 132W. This course provides individually programmed instruction in the fundamental skills and techniques of strength training and aerobic activity. The positive impact of physical education on health and wellness is explored and emphasized. This course is of particular interest to students wishing to enter the fields of sports medicine and athletics, as well as to students seeking to improve overall fitness.

FT; AA/as; CSU; UC.**EXSC 135B Individual Conditioning II****32 - 54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 135A with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for PHYE 132X. This course provides individually programmed instruction in the beginning level skills of the 5 components of fitness. Students learn proper body mechanics for basic movement patterns utilizing a variety of different training modalities. Beginning level principles of physiology is explored including how to train to elicit a desired physiological response.

FT; AA/as; CSU; UC.**EXSC 135C Individual Conditioning III****32 - 54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 135B with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for PHYE 132Y.

This course provides individually programmed instruction in the intermediate principles of the 5 components of fitness. Students learn basic anatomy and build upon the principles of physiology learned in previous levels of this course to create both individual workouts and a long term workout plan to meet individualized conditioning goals.

FT; AA/as; CSU; UC.**EXSC 135D Individual Conditioning IV****32 - 54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 135C with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for PHYE 132Z

This course provides individually programmed instruction in the advanced principles of the 5 components of fitness. Students learn how to instruct others in proper movement patterns and body mechanics for several strength training and cardiovascular training modalities. Students utilize their knowledge of the advanced principles of anatomy and physiology to create a workout plan for another individual, identifying modifications, and variations of exercises depending on the unique needs of the subject they are designing a workout for.

FT; AA/as; CSU; UC.**EXSC 136A Off-Season Conditioning for Sport I****32 - 54 hours lab; 0.5-1 units****Grading:** Letter Grade Only

Limitation on Enrollment: This course is not open to students with previous credit for PHYE 191 or PHYE 165. This course is designed to enhance the physical and mental skills needed to participate in intercollegiate sports activities. Emphasis is placed on weight training, running, skill development games, and individual development for sport. When this course is offered for one unit the additional time is utilized in the practice and perfection of individual sport-specific skills. This course is intended for intercollegiate athletes.

FT; AA/as; CSU; UC.

EXSC 136B Off-Season Conditioning for Sport II**32 - 54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 136A with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for PHYE 165 or PHYE 191. This course provides intercollegiate athletes with individually programmed coaching in the fundamental skills of sports-specific training and aerobic conditioning. Through progressive inquiry and practice, students demonstrate more advanced levels of athletic performance. When this course is offered for one unit the additional time is utilized in the development and implementation of sport-specific exercise programs. This course is intended for intercollegiate athletes.**FT; AA/as; CSU; UC.****EXSC 139A Weight Training I****32 - 54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Limitation on Enrollment:** This course is not open to students with previous credit for PHYE 166 or PHYE 166W. This is the first in a series of progressive resistance training courses. Instruction includes proper methods of weight training, use of weight training machines, cardio exercise equipment, lifting of free weights, and warm up/cool down. Instruction also includes charting exercises, introduction to major muscle groups and the weight training exercises to improve strength and range of motion. This class is designed for students interested in a healthy lifestyle as well as exercise science majors.**FT; AA/as; CSU; UC.****EXSC 139B Weight Training II****32 - 54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 139A with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for PHYE 166X. This is the second in a series of progressive resistance training courses. Emphasis is placed on alternative training methods including circuit and interval training, hill climbing, and fat burning. This course includes basic nutrition to help build muscle and/or reduce body weight utilized in student development of a personal fitness program. This class is designed for students interested in a healthy lifestyle as well as exercise science majors.**FT; AA/as; CSU; UC.****EXSC 139C Weight Training III****32 - 54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 139B with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for PHYE 166Y. This is the third in a series of progressive resistance training courses. Emphasis is placed on the use of the weight training machines, cardio exercise equipment, and Olympic lifts. This course covers alternate methods of resistance training including medicine balls, plyo balls, bosu balls, elastic cords, and TRX belts. This class is designed for students interested in a healthy lifestyle as well as exercise science majors.**FT; AA/as; CSU; UC.****EXSC 139D Weight Training IV****32 - 54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 139C with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for PHYE 166Z. This is the fourth in a series of progressive resistance training courses. This course covers the proper use of weight lifting machines, cardio exercise equipment, and alternate methods of resistance training and lifting of free weights. This class is designed for students interested in a healthy lifestyle as well as exercise science majors.**FT; AA/as; CSU; UC.****EXSC 140A Boot Camp I****32 - 54 hours lab; 0.5-1 units****Grading:** Letter Grade Only

This course provides students with introductory level instruction in fundamental skills related to core strength, stability, and performance. Topics include physical readiness testing, proper exercise technique, and fundamental core and strength training. This course is the first in a series of four boot camp physical training courses. It is intended for kinesiology majors and all students interested in comprehensive physical fitness training.

FT; AA/as; CSU; UC.

EXSC 140B Boot Camp II**32 - 54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 140A with a Grade of "C" or better, or equivalent

This course provides introductory students with beginning level instruction in fundamental skills related to core and unilateral strength, stability, and performance. Topics include core stability, targeted functional training. This course is the second in a series of four boot camp physical training courses. It is intended for kinesiology majors and all students interested in comprehensive physical fitness training.

FT; AA/as; CSU; UC.**EXSC 140C Boot Camp III****32 - 54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 140B with a Grade of "C" or better, or equivalent

This course provides students with intermediate level instruction in fundamental skills related to core and unilateral strength, stability, and performance. Topics include core stability and targeted functional training. This course is the third in a series of four boot camp physical training courses. It is intended for kinesiology majors and all students interested in comprehensive physical fitness training.

FT; AA/as; CSU; UC.**EXSC 140D Boot Camp IV****32 - 54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 140C with a Grade of "C" or better, or equivalent

This course provides intermediate students with advanced level instruction in skills related to core and unilateral strength, stability, and performance. Topics include core stability and targeted functional training. This course is the fourth in a series of four boot camp physical training courses. It is intended for kinesiology majors and all students interested in comprehensive physical fitness training.

FT; AA/as; CSU; UC.**EXSC 141A Total Body Conditioning I****24-54 hours lab; 0.5-1 units****Grading:** Letter Grade Only

This course is the first in a series of total body conditioning courses. Emphasis is placed on developing proper training techniques necessary to improve muscular strength and endurance using compound and accessory exercises in rapid sequence. Topics will include identification of major movement patterns and modifications based on ability levels, basic strength exercises for muscle groups with emphasis on the core, and safety practices. When this course is offered for three hours per week, the additional time is utilized for skill development. This course is designed for kinesiology majors and all students interested in improving fitness.

FT; AA/as; CSU; UC.**EXSC 141B Total Body Conditioning II****24-54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 141A with a Grade of "C" or better, or equivalent

This course is the second in a series of total body conditioning courses. Emphasis is placed on improving muscular strength and endurance and cardiorespiratory endurance using compound and accessory exercises and cardiorespiratory intervals in rapid sequence. Topics will include identification of muscle groups used in single and multi-joint movement exercises, intermediate strength exercises for muscle groups with emphasis on functional exercises, and use of appropriate modifications for varying ability levels. When this course is offered for three hours per week, the additional time is utilized for skill development. This course is designed for kinesiology majors and all students interested in improving fitness.

FT; AA/as; CSU; UC.**EXSC 141C Total Body Conditioning III****24-54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 141B with a Grade of "C" or better, or equivalent

This course is the third in a series of total body conditioning courses. Emphasis is placed on improving muscular strength and endurance and cardiorespiratory endurance using compound and accessory exercises and cardiorespiratory intervals in rapid sequence. Topics will include understanding of advanced exercise techniques, advanced strength and plyometric exercises for muscle groups with emphasis on functional exercises. When this course is offered for three hours per week, the additional time is utilized for skill development. This course is designed for kinesiology majors and all students interested in improving fitness.

FT; AA/as; CSU; UC.

EXSC 145A Yoga I**32 - 54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Limitation on Enrollment:** This course is not open to students with previous credit for PHYE 168.

This is the first of four levels of classes relating to yoga. This course is an introduction to fundamental yoga practices and principles. Instruction includes learning the fundamentals of yoga postures. The students will also gain a fundamental understanding of the practices of relaxation techniques and breathing practices. This course is designed for students who want to increase health, longevity and who are interested in understanding the importance of the fitness aspect of their life.

FT; AA/as; CSU; UC.**EXSC 145B Yoga II****32 - 54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 145A with a Grade of "C" or better, or equivalent

This is the second of four levels of classes relating to yoga. This course is an introduction to fundamentals of basic yoga practices and principles. Instruction includes basic yoga postures, guided relaxations, and breathing practices, as well as some basic stress reduction techniques. This course is designed for students interested in utilizing basic yoga and stress reduction techniques to help increase their health and longevity.

FT; AA/as; CSU; UC.**EXSC 145C Yoga III****32 - 54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 145B with a Grade of "C" or better, or equivalent

This is the third of four levels of classes relating to yoga. This course will cover intermediate yoga practices and principles including some intermediate inversions. Instruction includes intermediate yoga postures, guided relaxations, basic inversions, breathing practices, and basic partner yoga as well as stress reduction techniques and nutritional analysis. This course is designed for students interested in learning about both fitness and nutrition. The students will utilize intermediate yoga to help increase their health and longevity.

FT; AA/as; CSU; UC.**EXSC 145D Yoga IV****32 - 54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 145C with a Grade of "C" or better, or equivalent

This is the fourth of four levels of classes relating to yoga. This course will cover advanced yoga practices and principles. Instruction includes advanced yoga postures, guided relaxations, inversions, breathing practices, and partner yoga as well as stress reduction techniques and nutritional analysis. This course is designed for students interested in developing their own workout regime utilizing advanced yoga to help increase their health and longevity.

FT; AA/as; CSU; UC.**EXSC 147A Kickboxing I****32 - 54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Limitation on Enrollment:** This course is not open to students with previous credit for PHYE 233.

This is the first in a series of kickboxing courses. Topics include fundamental kickboxing terminology, safety, physical fitness, and controlled sparring. Emphasis is placed on single strike upper body kickboxing combinations. This course is intended for all students interested in fundamental level kickboxing.

FT; AA/as; CSU; UC.**EXSC 147B Kickboxing II****32 - 54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 147A with a Grade of "C" or better, or equivalent

This is the second in a series of kickboxing courses. Topics include beginning kickboxing terminology, safety, physical fitness, and controlled sparring. Emphasis is placed on double strike kickboxing combinations that include the lower body. This course is intended for all students interested in beginning level kickboxing.

FT; AA/as; CSU; UC.**EXSC 147C Kickboxing III****32 - 54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 147B with a Grade of "C" or better, or equivalent

This is the third in a series of kickboxing courses. Topics include intermediate kickboxing terminology, safety, physical fitness, and controlled sparring. Emphasis is placed on triple strike kickboxing combinations that include the full body. This course is intended for all students interested in intermediate level kickboxing.

FT; AA/as; CSU; UC.

EXSC 147D Kickboxing IV**32 - 54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 147C with a Grade of "C" or better, or equivalent

This is the fourth in a series of kickboxing courses. Topics include advanced kickboxing terminology, safety, physical fitness, and controlled sparring. Emphasis is placed on four strike kickboxing combinations that include the full body. This course is intended for all students interested in advanced level kickboxing.

FT; AA/as; CSU; UC.**EXSC 148A Mixed Martial Arts I****32 - 54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Limitation on Enrollment:** This course is not open to students with previous credit for PHYE 232

This is the first in a series of mixed martial arts exercise courses. Emphasis is placed on fundamental mixed martial arts terminology, safety, self-defense, etiquette, punches, blocks, strikes, kicks, stances, pressure points, and forms. This course is intended for all students interested in fundamentals techniques including but not limited to Thai-boxing, judo, jiu jitsu, and boxing as referenced by the International Mixed Martial Arts Federation organization.

FT; AA/as; CSU; UC.**EXSC 148B Mixed Martial Arts II****32 - 54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 148A with a Grade of "C" or better, or equivalent

This is the second in a series of mixed martial arts exercise courses. Emphasis is placed on beginning mixed martial arts terminology, safety, self-defense, etiquette, punches, blocks, strikes, kicks, stances, pressure points, and forms. This course is intended for all students interested in beginning techniques including but not limited to Thai-boxing, judo, jiu jitsu, and boxing as referenced by the International Mixed Martial Arts Federation organization.

FT; AA/as; CSU; UC.**EXSC 148C Mixed Martial Arts III****32 - 54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 148B with a Grade of "C" or better, or equivalent

This is the third in a series of mixed martial arts exercise courses. Emphasis is placed on intermediate mixed martial arts terminology, safety, self-defense, etiquette, punches, blocks, strikes, kicks, stances, pressure points, and forms. This course is intended for all students interested in intermediate techniques including but not limited to Thai-boxing, judo, jiu jitsu, and boxing as referenced by the International Mixed Martial Arts Federation organization.

FT; AA/as; CSU; UC.**EXSC 148D Mixed Martial Arts IV****32 - 54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 148C with a Grade of "C" or better, or equivalent

This is the fourth in a series of mixed martial arts exercise courses. Emphasis is placed on advanced mixed martial arts terminology, safety, self-defense, etiquette, punches, blocks, strikes, kicks, stances, pressure points, and forms. This course is intended for all students interested in advanced techniques including but not limited to Thai-boxing, judo, jiu jitsu, and boxing as referenced by the International Mixed Martial Arts Federation organization.

FT; AA/as; CSU; UC.**EXSC 154A Badminton I****32 - 54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Limitation on Enrollment:** This course is not open to students with previous credit for PHYE 108

This course is the first in a series of four badminton courses. This course provides instruction and court experience in the skills, strategies and rules necessary to play badminton at the novice level. Instruction includes the basic strokes, vocabulary and sportsmanship. This course is intended for novice level badminton players.

FT; AA/as; CSU; UC.**EXSC 154B Badminton II****32 - 54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 154A with a Grade of "C" or better, or equivalent

This course is the second in a series of four badminton courses. Emphasis is placed on beginning level skills, shots, serves, footwork and strategies. This course is intended for kinesiology majors and all students interested in incorporating the game of badminton into an active lifestyle.

FT; AA/as; CSU; UC.

EXSC 154C Badminton III**32 - 54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 154B with a Grade of "C" or better, or equivalent

This course is the third in a series of four badminton courses. Emphasis is placed on intermediate level skills, shots, serves, footwork and strategies for singles and doubles play. This course is intended for kinesiology majors and all students interested in incorporating the game of badminton into an active lifestyle.

FT; AA/as; CSU; UC.**EXSC 154D Badminton IV****32 - 54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 154C with a Grade of "C" or better, or equivalent

This course is the fourth in a series of four badminton courses. Emphasis is placed on advanced level skills, and strategies for singles and doubles tournament play. This course is intended for kinesiology majors and all students interested in incorporating the game of badminton into an active lifestyle.

FT; AA/as; CSU; UC.**EXSC 156A Baseball I****32 - 54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Limitation on Enrollment:** This course is not open to students with previous credit for PHYE 111.

This course is designed to introduce the student to the game of baseball at the college level. Emphasis is placed on fielding ground balls, base running, outfield play, and the techniques and practice of bunting, including the sacrifice bunt, drag bunt, and push bunt. Topics also include the history of baseball, rules, terminology, safety procedures, values, and etiquette. This course is intended for novice level baseball players.

FT; AA/as; CSU; UC.**EXSC 156B Baseball II****24-54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 156A with a Grade of "C" or better, or equivalent

This beginning level course in baseball is designed to continue the skill development in baseball and to introduce students to the concepts of wellness and a healthy lifestyle through baseball activities. Emphasis is placed on the batting stance and batters swing techniques, including balance, base, front side direction, contact position, and vision. Topics include ball flight, pitch selection, location recognition, count management, body weight transition, and contact point. Baseball fitness is included and encompasses cardio conditioning, plyometrics, and stretching as they pertain to the sport. This course is intended for intermediate level baseball players.

FT; AA/as; CSU; UC.**EXSC 156C Baseball III****24-54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 156B with a Grade of "C" or better, or equivalent

This intermediate-advanced level course in baseball provides instruction and practice in specialty defense such as bunt coverages, cuts and relays, first and third situations, and pick-off plays. Students practice and analyze specialty defensive situations to improve overall defensive awareness on the baseball field and to become a more well-rounded defensive player. Topics include terminology, pre-pitch preparation, foot work, body position before and during game play, and the fundamentals of playing catch. Baseball fitness includes cardio conditioning, plyometrics, and stretching as they pertain to the sport. This course is intended for intermediate-advanced level baseball players.

FT; AA/as; CSU; UC.**EXSC 156D Baseball IV****24-54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 156C with a Grade of "C" or better, or equivalent

This advanced level course in baseball is designed for students to apply both offensive and defensive baseball skills in competition. Emphasis is placed on instruction and practice in game situations through inner squad games arranged between teams made up of class members. The mental aspect of the game is explored and applied throughout the course. This course is intended for advanced baseball players.

FT; AA/as; CSU; UC.

EXSC 158A Basketball I**32 - 54 hours lab; 0.5-1 units****Grading:** Letter Grade Only

Limitation on Enrollment: This course is not open to students with previous credit for PHYE 112. This course is the first in a series of four basketball courses. This course introduces students to the game of basketball. Instruction includes basic individual offensive and defensive fundamental skills, history of the game, terminology, rules, etiquette, proper warm-up and cool down and safety. Emphasis is placed on games using less than full teams and half court situations. This course is designed for anyone who has an interest in playing basketball.

FT; AA/as; CSU; UC.**EXSC 158B Basketball II****32 - 54 hours lab; 0.5-1 units****Grading:** Letter Grade Only

Advisory: EXSC 158A with a Grade of "C" or better, or equivalent

This course is the second in a series of four basketball courses. This course provides students the opportunity to improve individual beginning skills and introduces individual offensive moves and team concepts. Topics include transition basketball, team offense and defense as well as theories of basketball conditioning. Emphasis is placed on 5-5 play and full court situations and strategies of team play. This class is designed for those with a basic knowledge and ability to play basketball.

FT; AA/as; CSU; UC.**EXSC 158C Basketball III****32 - 54 hours lab; 0.5-1 units****Grading:** Letter Grade Only

Advisory: EXSC 158B with a Grade of "C" or better, or equivalent

This course is the third in a series of four basketball courses. This course provides students the opportunity to improve individual intermediate skills through self analysis of strengths and weaknesses and introduces full court pressure play. Students are expected to write programs to improve individual skills. Topics include full court zone and man pressure, full court offense and specialty plays. Emphasis is placed on skill work drills, 5-5 play and full court situations. This class is designed for those that have above an intermediate knowledge and skill level in basketball.

FT; AA/as; CSU; UC.**EXSC 158D Basketball IV****32 - 54 hours lab; 0.5-1 units****Grading:** Letter Grade Only

Advisory: EXSC 158C with a Grade of "C" or better, or equivalent

This course is the fourth in a series of four basketball courses. This course provides students the opportunity to develop technical skills necessary to coach the game of basketball and stresses the development of advanced skills and team play. Topics include analysis of team play, writing a practice plan, how to scout an opponent and evaluation of individual play. Emphasis is placed on skill work drills and full court tournament play. This class is designed for those that have an intermediate knowledge of basketball and possess an advanced skill level.

FT; AA/as; CSU; UC.**EXSC 160A Springboard Diving I****24-54 hours lab; 0.5-1 units****Grading:** Letter Grade Only

Limitation on Enrollment: This course is not open to students with previous credit for PHYE 119.

This course is an introduction to springboard diving with progressive skill development in performing dives from five different categories. Standardized skill progressions are used for level one dives. This course is intended for all students interested in springboard diving.

FT; AA/as; CSU; UC.**EXSC 160B Springboard Diving II****24-54 hours lab; 0.5-1 units****Grading:** Letter Grade Only

Advisory: EXSC 160A with a Grade of "C" or better, or equivalent

This course is the beginning level of springboard diving with progressive skill development in performing dives from five different categories. Standardized skill progressions are used for level two forward, backward, inward, reverse and twisting dives with a somersault. This course is intended for all students interested in springboard diving.

FT; AA/as; CSU; UC.**EXSC 160C Springboard Diving III****24-54 hours lab; 0.5-1 units****Grading:** Letter Grade Only

Advisory: EXSC 160B with a Grade of "C" or better, or equivalent

This course is the intermediate level of springboard diving with progressive skill development in performing dives from five different categories. Standardized skill progressions are used for intermediate level three forward, backward, inward, reverse and twisting dives with one and a half somersaults. This course is intended for all students interested in springboard diving.

FT; AA/as; CSU; UC.

EXSC 160D Springboard Diving IV**24-54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 160C with a Grade of "C" or better, or equivalent

This course is the advanced level of springboard diving with progressive skill development in performing dives from five different categories. Standardized skill progressions are used for level four forward, backward, inward, reverse and twisting dives with two and a half to three and a half somersaults. This course is intended for all students interested in springboard diving.

FT; AA/as; CSU; UC.**EXSC 164A Football I****24-54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Limitation on Enrollment:** This course is not open to students with previous credit for PHYE 125.

This first level of football explores the fundamental skills and techniques for team play including blocking, tackling, passing, catching, running, and offensive and defensive positioning at the college introductory level. Team skills as well as game strategies are covered. This course is intended for all students interested in playing the game of football.

FT; AA/as; CSU; UC.**EXSC 164B Football II****24-54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 164A with a Grade of "C" or better, or equivalent

This second level of football explores the beginning skills and techniques for team play emphasizing receiver, running back, linebacker, defensive back, defensive and offensive line drills. Team skills as well as game strategies are covered. This course is intended for all students interested in playing intercollegiate football and kinesiology majors.

FT; AA/as; CSU; UC.**EXSC 164C Football III****24-54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 164B with a Grade of "C" or better, or equivalent

This third level of football explores the intermediate skills and techniques for team play emphasizing making adjustments to multiple offensive and defensive schemes. Team skills as well as game strategies are covered. This course is intended for all students interested in playing the game of football or kinesiology majors.

FT; AA/as; CSU; UC.**EXSC 164D Football IV****24-54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 164C with a Grade of "C" or better, or equivalent

This fourth level of football explores the advanced skills and techniques for team play emphasizing situational strategies and real time adjustments for offense and defense. Team skills as well as game strategies are covered. This course is intended for all students interested in playing the game of football or kinesiology majors.

FT; AA/as; CSU; UC.**EXSC 166A Golf I****24-54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Limitation on Enrollment:** This course is not open to students with previous credit for PHYE 126.

This course provides golf instruction and practice.

Emphasis is placed on the fundamentals of the grip, stance, alignment, and the techniques and practice of the short game strokes of pitching, chipping and putting. Topics include the rules, terminology, safety procedures, values, etiquette, equipment, and history of golf. This course is designed for all students interested in playing golf as part of a fitness lifestyle or kinesiology majors.

FT; AA/as; CSU; UC.**EXSC 166B Golf II****24-54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 166A with a Grade of "C" or better, or equivalent

This course provides golf instruction and practice.

Emphasis is placed on techniques of the full swing with irons, hybrids, fairway metals and drivers. Topics include golf fitness, stretching and the principles of warm-up as well as golf club selection and use. This course is designed for all students interested in playing golf as part of a fitness lifestyle or kinesiology majors.

FT; AA/as; CSU; UC.

EXSC 166C Golf III**24-54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 166B with a Grade of "C" or better, or equivalent

This course provides golf instruction and practice. Emphasis is placed on specialty shots, such as sand, side hill and up and down hill lies. The fundamental errors in golf are analyzed to correct individual errors focusing on swing techniques and the mental approach to the game. Topics include the laws of ball flight, the swing plane, and wise use of practice time. This course is designed for all students interested in playing golf as part of a fitness lifestyle and kinesiology majors.

FT; AA/as; CSU; UC.**EXSC 166D Golf IV****24-54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 166C with a Grade of "C" or better, or equivalent

This course provides golf instruction and practice. Emphasis is placed on playing strategies, analysis of golf rounds for strengths and weaknesses, student analysis of several different golf swings, and the handicap system. Stroke and Match plays are arranged between class members to develop playing strategies in competition. This course is designed for all students interested in playing golf as part of a fitness lifestyle and kinesiology majors.

FT; AA/as; CSU; UC.**EXSC 168A Gymnastics I****24-54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Limitation on Enrollment:** This course is not open to students with previous credit for PHYE 171.

This course is an introduction to gymnastics with progressive skill development in performing fundamental routines for gymnastic events. Emphasis is placed on gymnastics vocabulary, safety, injury prevention, balance and body alignment. This course is intended for all students interested in gymnastics or those that are kinesiology majors.

FT; AA/as; CSU; UC.**EXSC 168B Gymnastics II****24-54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 168A with a Grade of "C" or better, or equivalent

This course is the second of four courses in gymnastics with progressive skill development focusing on beginning routines for gymnastics. Emphasis is placed on gymnastics vocabulary, safety, injury prevention, balance and body alignment. This course is intended for all students interested in gymnastics and for those that are kinesiology majors.

FT; AA/as; CSU; UC.**EXSC 168C Gymnastics III****24-54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 168B with a Grade of "C" or better, or equivalent

This course is the third of four courses in gymnastics with progressive skill development focusing on level three routines for multiple apparatuses. Emphasis is placed on gymnastics vocabulary, safety, injury prevention, balance and body alignment. This course is intended for all students interested in gymnastics and kinesiology majors.

FT; AA/as; CSU; UC.**EXSC 168D Gymnastics IV****24-54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 168C with a Grade of "C" or better, or equivalent

This course is the fourth level of gymnastics with progressive skill development in multiple events. Emphasis is placed on the performance of optional routines. This course is intended for all students interested in gymnastics or kinesiology majors.

FT; AA/as; CSU; UC.**EXSC 174A Soccer I****24-54 hours lab; 0.5-1 units****Grading:** Letter Grade Only

Limitation on Enrollment: This course is not open to students with previous credit for PHYE 149 or PHYE 149W. This course provides instruction in basic soccer skill technique, strategies, etiquette and rules necessary to play soccer at the novice level. Topics include basic dribbling, heading and collection with the soccer ball. Students also define, apply and interpret the basic rules and safety procedures within the game of soccer. This class is designed for students interested in an active lifestyle as well as for Kinesiology majors.

FT; AA/as; CSU; UC.

EXSC 174B Soccer II**24-54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 174A with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for PHYE 149X.

This course provides instruction in soccer technique, tactics, and physical skills necessary to play soccer at the beginning level. Topics include dribbling skills including scissors and Matthews moves, passing techniques and turning while collecting a soccer ball. Students also define and apply methods of scoring, set pieces and principles of team defense within the game of soccer. This class is designed for students interested in an active lifestyle as well as Kinesiology majors.

FT; AA/as; CSU; UC.**EXSC 174C Soccer III****24-54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 174B with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for PHYE 149Y.

This course provides instruction in individual soccer techniques, tactics, and physical skills necessary to play soccer at the intermediate level. Topics include shooting from both close and far distances, lofted passing techniques and offensive heading of the soccer ball. Students also define, apply and interpret methods of creating space, both offensively and defensively as an individual player. This class is designed for students interested in an active lifestyle as well as Kinesiology majors.

FT; AA/as; CSU; UC.**EXSC 174D Soccer IV****24-54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 174C with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for PHYE 149Z.

This course provides instruction in team soccer techniques, tactics, physical skills, etiquette, and rules necessary to play soccer at the advanced level. Topics include building the offensive through the back, playing through the midfield and attacking from the central and flank positions. Students also define and apply methods of zonal defending and defending various systems of play as a team. This class is designed for students interested in an active lifestyle as well as Kinesiology majors.

FT; AA/as; CSU; UC.**EXSC 176A Softball I****32 - 54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Limitation on Enrollment:** This course is not open to students with previous credit for PHYE 151.

This course is the first in a series of four softball courses. This course provides instruction to develop the fundamental skills of throwing, catching, running, hitting, and rules of play of softball as well as individual and team skill development and strategies involved in competitive game situations. This course is intended for all students interested in softball.

FT; AA/as; CSU; UC.**EXSC 176B Softball II****32 - 54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 176A with a Grade of "C" or better, or equivalent

This course is the second in a series of four softball courses. This course provides instruction to continue the development of the beginning skills of throwing, catching, running, hitting, and rules of play of softball as well as individual and team skill development and strategies involved in competitive game situations. This course is intended for all students interested in softball.

FT; AA/as; CSU; UC.**EXSC 176C Softball III****32 - 54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 176B with a Grade of "C" or better, or equivalent

This course is the third in a series of four softball courses. This course provides instruction to develop the intermediate skills of throwing, catching, running, hitting, and rules of play of softball, as well as, individual and team skill development and strategies involved in competitive game situations. This course is intended for all students interested in softball.

FT; AA/as; CSU; UC.**EXSC 176D Softball IV****32 - 54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 176C with a Grade of "C" or better, or equivalent

This course is the fourth in a series of four softball courses. This course provides instruction to develop the advanced skills of throwing, catching, running, hitting and rules of play of softball, as well as, advanced individual and team skill development and strategies involved in competitive game situations. This course is intended for all students interested in softball.

FT; AA/as; CSU; UC.

EXSC 178A Tennis I**32 - 54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Limitation on Enrollment:** This course is not open to students with previous credit for PHYE 159 and PHYE 159W.

This course is the first in a series of four courses in tennis. Emphasis is placed on introductory level skills, strokes, strategies, rules and etiquette. This course is intended for kinesiology majors and all students interested in incorporating the game of tennis into an active lifestyle.

FT; AA/as; CSU; UC.**EXSC 178B Tennis II****32 - 54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 178A with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for PHYE 159X.

This course is the second in a series of four courses in tennis. Emphasis is placed on beginning level skills, strokes, strategies, rules and etiquette as they relate to tournament play. This course is intended for kinesiology majors and all students interested in incorporating the game of tennis into an active lifestyle.

FT; AA/as; CSU; UC.**EXSC 178C Tennis III****32 - 54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 178B with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for PHYE 159Y.

This course is the third in a series of four courses in tennis. Emphasis is placed on intermediate level skills, strokes, strategies, rules and etiquette as they relate to league and tournament play. This course is intended for kinesiology majors and all students interested in incorporating the game of tennis into an active lifestyle.

FT; AA/as; CSU; UC.**EXSC 178D Tennis IV****32 - 54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 178C with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for PHYE 159Z.

This course is the fourth in a series of four courses in tennis. Emphasis is placed on advanced skills, strokes, strategies, rules and etiquette as they relate to singles and doubles tournament play. This course is intended for kinesiology majors and all students interested in incorporating the game of tennis into an active lifestyle.

FT; AA/as; CSU; UC.**EXSC 179A Pickleball I****24-54 hours lab; 0.5-1 units****Grading:** Letter Grade Only

This course is an introduction to the sport of pickleball. Emphasis is placed on the fundamental pickleball techniques, rules and etiquette needed to play pickleball with no prior experience. When the course is offered for three hours per week, the additional time is utilized for stroke development and application of strategies in playing situations. This course is designed for kinesiology majors and all students interested in the sport of pickleball.

EXSC 179B Pickleball II**24-54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 179A with a Grade of "C" or better, or equivalent

This course provides instruction and on-court experience in the skills, strategies, rules and etiquette necessary to play pickleball at a beginner level, including both singles and doubles. No prior experience is required, although a background in other racquet sports such as tennis, racquetball or badminton is helpful. When the course is offered for three hours per week, the additional time is utilized for stroke development and application of strategies in playing situations. This course is designed for kinesiology majors and all students interested in the sport of pickleball.

EXSC 179C Pickleball III**24-54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 179B with a Grade of "C" or better, or equivalent

This course provides instruction and on-court experience in the skills strategies, rules and etiquette necessary to play pickleball at an intermediate level, including both singles and doubles. Completion of Pickleball I or II is not required, but recommended. A background in other racquet sports such as tennis, racquetball or badminton is helpful. When the course is offered for three hours per week, the additional time utilized for stroke development and application of strategies in playing situations.

EXSC 179D Pickleball IV**24-54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 179C with a Grade of "C" or better, or equivalent

This course provides instruction and on-court experience in the skills, strategies, rules and etiquette necessary to play pickleball at an advanced level, including both singles and doubles. Completion of Pickleball 3 is highly recommended. A background in other racquet sports such as tennis, racquetball or badminton is helpful. When the course is offered for three hours per week, the additional time is utilized for stroke development and application of strategies in playing situations, including tournaments. This course is designed for kinesiology majors and all students interested in the sport of pickleball.

EXSC 180A Track and Field I**24-54 hours lab; 0.5-1 units****Grading:** Letter Grade Only

Limitation on Enrollment: This course is not open to students with previous credit for PHYE 160 or EXSC 180. This course is designed as an introduction to the fundamentals of track and field. Emphasis is placed on safety, form and techniques related to throwing, jumping and running events. This course is intended for anyone interested in track and field or Kinesiology Majors.

FT; AA/as; CSU; UC.**EXSC 180B Track and Field II****24-54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 180A with a Grade of "C" or better, or equivalent

This course provides instruction and practice in advanced beginner skills and techniques of all track and field events. Emphasis is placed on creating a conditioning program involving event-specific running and event technique and drills. This course is intended for anyone interested in track and field or those majoring in kinesiology.

FT; AA/as; CSU; UC.**EXSC 180C Track and Field III****24-54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 180B with a Grade of "C" or better, or equivalent

This course provides instruction and practice in intermediate skills and techniques of all track and field events. Emphasis is placed on creating a conditioning program involving event-specific running and event technique and drills. This course is intended for anyone interested in track and field or those majoring in kinesiology.

FT; AA/as; CSU; UC.**EXSC 180D Track and Field IV****24-54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 180C with a Grade of "C" or better, or equivalent

This course provides instruction and practice in advanced skills and techniques of all track and field events. Emphasis is placed on creating a conditioning program involving event-specific running and event technique and drills. This course is intended for anyone interested in track and field or those majoring in kinesiology.

FT; AA/as; CSU; UC.**EXSC 182A Volleyball I****24-54 hours lab; 0.5-1 units****Grading:** Letter Grade Only

Limitation on Enrollment: This course is not open to students with previous credit for PHYE 161

This course is the first of four courses in volleyball. Emphasis is placed on introductory level skills, basic rules, strategies and etiquette. This course is intended for Kinesiology majors and all students interested in incorporating the sport of volleyball into an active lifestyle.

FT; AA/as; CSU; UC.**EXSC 182B Volleyball II****24-54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 182A with a Grade of "C" or better, or equivalent

The course is the second of four courses in volleyball. Emphasis is placed on beginning level skills and offensive and defensive systems as they relate to team play. This course is intended for Kinesiology majors and all students interested in incorporating the sport of volleyball into an active lifestyle.

FT; AA/as; CSU; UC.

EXSC 182C Volleyball III**24-54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 182B with a Grade of "C" or better, or equivalent

This course is the third of four courses in volleyball. Emphasis is placed on intermediate level individual offensive and defensive skills. Topics include offensive team systems and options, and defensive theory and team systems as they relate to league play. This course is intended for Kinesiology majors and all students interested in incorporating the sport of volleyball into an active lifestyle.

FT; AA/as; CSU; UC.**EXSC 182D Volleyball IV****24-54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 182C with a Grade of "C" or better, or equivalent

This course is the fourth of four courses in volleyball. Emphasis is placed on advanced level individual offensive and defensive skills. Topics include diversified offensive and defensive team systems as they relate to intercollegiate and international level volleyball. This course is intended for Kinesiology majors and all students interested in incorporating the sport of volleyball into an active lifestyle.

FT; AA/as; CSU; UC.**EXSC 183A Beach Volleyball I****24-54 hours lab; 0.5-1 units****Grading:** Letter Grade Only

This course is the first of four courses in beach volleyball. Emphasis is placed on volleyball terminology, introductory level skills, improvement of cardiovascular/aerobic fitness, basic rules, safety procedures, strategies and etiquette. This course is intended for kinesiology majors and all students interested in incorporating the sport of beach volleyball into an active lifestyle.

FT; AA/as; CSU; UC.**EXSC 183B Beach Volleyball II****24-54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 183A with a Grade of "C" or better, or equivalent

This course is the second of four courses in beach volleyball. Emphasis is placed on beginning level skills and offensive and defensive systems as they relate to team play. This course is intended for Kinesiology majors and all students interested in incorporating the sport of volleyball into an active lifestyle.

FT; AA/as; CSU; UC.**EXSC 183C Beach Volleyball III****24-54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 183B with a Grade of "C" or better, or equivalent

This is the third of four courses in beach volleyball. Topics include intermediate skill development, introduction to plyometric training, team strategies on offense and defense. This course is intended for kinesiology majors and all students interested in incorporating the sport of beach volleyball into an active lifestyle.

FT; AA/as; CSU; UC.**EXSC 183D Beach Volleyball IV****24-54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 183C with a Grade of "C" or better, or equivalent

This is the fourth of four courses in beach volleyball. Topics include advanced skill development, introduction to plyometric training, team strategies on offense and defense. This course is intended for kinesiology majors and all students interested in incorporating the sport of beach volleyball into an active lifestyle.

FT; AA/as; CSU; UC.**EXSC 184A Water Polo I****24-54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Limitation on Enrollment:** This course is not open to students with previous credit for PHYE 163

This course is an introduction to water polo. Emphasis is placed on fundamental water polo techniques and introductory level skills, including picking up a ball in the water, passing, receiving, shooting, dribbling, and playing in a game. Other topics include introductory level offensive and defensive positioning and movements; team strategies; and rules of play. This course is the first in a series of four water polo courses. It is intended for students interested in the sport of water polo.

FT; AA/as; CSU; UC.

EXSC 184B Water Polo II**24-54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 184A with a Grade of "C" or better, or equivalent

This course provides beginning level knowledge and practice in the sport of water polo. Emphasis is placed on beginning level water polo techniques and skills, including picking up a ball in the water, passing, receiving, shooting, dribbling, and playing in a game. Other topics include: beginning level offensive and defensive positioning and movements; team strategies and rules of play. This course is the second in a series of four water polo courses. It is intended for students interested in the sport of water polo.

FT; AA/as; CSU; UC.**EXSC 184C Water Polo III****24-54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 184B with a Grade of "C" or better, or equivalent

This course provides intermediate level knowledge and practice in the sport of water polo. Emphasis is placed on intermediate level water polo techniques and skills, including picking up a ball in the water, passing, receiving, shooting, dribbling, and playing in a game. Other topics include intermediate level offensive and defensive positioning and movements; team strategies; and rules of play. This course is the third in a series of four water polo courses. It is intended for students who have been playing water polo for more than 6 months.

FT; AA/as; CSU; UC.**EXSC 184D Water Polo IV****24-54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Advisory:** EXSC 184C with a Grade of "C" or better, or equivalent

This course provides students with advanced level knowledge and practice in the sport of water polo. Emphasis is placed on advanced level water polo techniques and skills, including passing, receiving, shooting, dribbling, and playing in a game. Other topics include advanced level offensive and defensive positioning and movements; team strategies; and rules of play. This course is the fourth in a series of four water polo courses. It is intended for students who have been playing water polo for more than 12 months.

FT; AA/as; CSU; UC.**EXSC 200 Intercollegiate Badminton I****96 - 175 hours lab; 2-3.5 units****Grading:** Letter Grade Only**Advisory:** EXSC 154A with a Grade of "C" or better, or equivalent or previous competitive badminton experience**Limitation on Enrollment:** This course is not open to students with previous credit for PHYE 200

This is a course for students competing in their first intercollegiate badminton season. The course is offered in the spring semester and may be taken two times for credit. Students must demonstrate increased proficiency and skill attainment with each repetition.

FT; AA/as; CSU; UC.**EXSC 201 Intercollegiate Badminton II****96 - 175 hours lab; 2-3.5 units****Grading:** Letter Grade Only**Advisory:** EXSC 200 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for PHYE 201

This is a course for students competing in their second intercollegiate badminton season. The course is offered in the spring semester and may be taken two times for credit. Students must demonstrate increased proficiency and skill attainment with each repetition.

FT; AA/as; CSU; UC.**EXSC 202 Intercollegiate Baseball I****96 - 175 hours lab; 2-3.5 units****Grading:** Letter Grade Only**Advisory:** EXSC 230A with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for PHYE 202

This course is intended for the first season of intercollegiate competition. Baseball skills and game strategies are at a more advanced level of participation than those of an introductory course in baseball. This course may be taken two times for credit.

FT; AA/as; CSU; UC.**EXSC 203 Intercollegiate Baseball II****96 - 175 hours lab; 2-3.5 units****Grading:** Letter Grade Only**Advisory:** EXSC 230B with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for PHYE 203

This course is intended for the second season of intercollegiate competition. Baseball skills and game strategies are at the advanced levels of participation. This course may be taken two times for credit.

FT; AA/as; CSU; UC.

EXSC 204 Intercollegiate Basketball I**96 - 175 hours lab; 2-3.5 units****Grading:** Letter Grade Only

Limitation on Enrollment: This course is not open to students with previous credit for PHYE 204. This course is intended for the first season of intercollegiate competition. Basketball skills and game strategies are at a more advanced level of participation than those of an introductory course in basketball. This course may be taken two times for credit.

FT; AA/as; CSU; UC.**EXSC 205 Intercollegiate Basketball II****96 - 175 hours lab; 2-3.5 units****Grading:** Letter Grade Only

Advisory: EXSC 204 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for PHYE 205. This course is intended for the second season of intercollegiate competition. Basketball skills and game strategies are at the advanced levels of participation. This course may be taken two times for credit.

FT; AA/as; CSU; UC.**EXSC 206 Intercollegiate Cross-Country I****96 - 175 hours lab; 2-3.5 units****Grading:** Letter Grade Only

Limitation on Enrollment: This course is not open to students with previous credit for PHYE 206. This course is for students participating in their first season of intercollegiate cross-country competition. This course may be taken two times for credit. Students must demonstrate increased proficiency and skill attainment with each repetition.

FT; AA/as; CSU; UC.**EXSC 207 Intercollegiate Cross Country II****96 - 175 hours lab; 2-3.5 units****Grading:** Letter Grade Only

Limitation on Enrollment: This course is not open to students with previous credit for PHYE 207. This course is for students participating in their second season of intercollegiate cross-country competition. This course may be taken two times for credit. Students must demonstrate increased proficiency and skill attainment with each repetition.

FT; AA/as; CSU; UC.**EXSC 210 Intercollegiate Football I****96 - 175 hours lab; 2-3.5 units****Grading:** Letter Grade Only

Advisory: Completion of or concurrent enrollment in: EXSC 233B with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for PHYE 210

A physician's medical release form is required.

This course is designed for students in their first season of intercollegiate football. Topics include fundamental skills of play for offense/defense and special teams. This course may be taken two times for credit.

FT; AA/as; CSU; UC.**EXSC 211 Intercollegiate Football II****96 - 175 hours lab; 2-3.5 units****Grading:** Letter Grade Only

Advisory: Completion of or concurrent enrollment in: EXSC 233B with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for PHYE 211

A physician's medical release form is required.

This course is designed for students in their second season of intercollegiate football. Topics include fundamental skills of play for offense/defense and special teams. This course may be taken two times for credit.

FT; AA/as; CSU; UC.**EXSC 214 Intercollegiate Soccer I****96 - 175 hours lab; 2-3.5 units****Grading:** Letter Grade Only

Limitation on Enrollment: This course is not open to students with previous credit for PHYE 214.

This is a course in which students competing in their first intercollegiate soccer season learn and practice the techniques and strategies necessary for successful participation. The topics covered are fundamental through advanced skills as well as offensive and defensive strategies. This course is offered separately for men and women in the fall semester. This course may be taken two times for credit.

FT; AA/as; CSU; UC.

EXSC 215 Intercollegiate Soccer II**96 - 175 hours lab; 2-3.5 units****Grading:** Letter Grade Only**Advisory: Concurrent enrollment in:** EXSC 234B**Limitation on Enrollment:** This course is not open to students with previous credit for PHYE 215

This is a course in which students competing in their second intercollegiate soccer season of competition learn and practice the techniques and strategies necessary for successful participation. Those topics covered are fundamental through advanced soccer skills and both offensive and defensive strategies. This course is offered separately for both men and women in the Fall semester. This course may be taken two times for credit.

FT; AA/as; CSU; UC.**EXSC 216 Intercollegiate Softball I****96 - 175 hours lab; 2-3.5 units****Grading:** Letter Grade Only**Limitation on Enrollment:** This course is not open to students with previous credit for PHYE 216.

A physician's medical release form is required.

This course is designed for students competing in their first intercollegiate softball season. Students will learn and practice the techniques and strategies necessary for successful participation. Those topics covered are fundamental through advanced softball skills and offensive and defensive strategies. Students must demonstrate increased softball skill proficiency and skill attainment with each repetition. This course may be taken two times for credit.

FT; AA/as; CSU; UC.**EXSC 217 Intercollegiate Softball II****96 - 175 hours lab; 2-3.5 units****Grading:** Letter Grade Only**Limitation on Enrollment:** This course is not open to students with previous credit for PHYE 217

A physician's medical release form is required.

This course is designed for students competing in their second intercollegiate softball season. Students will learn and practice the techniques and strategies necessary for successful participation. Those topics covered are fundamental through advanced softball skills and offensive and defensive strategies. Students must demonstrate increased softball skill proficiency and skill attainment with each repetition. This course may be taken two times for credit.

FT; AA/as; CSU; UC.**EXSC 218 Intercollegiate Swimming I****96 - 175 hours lab; 2-3.5 units****Grading:** Letter Grade Only**Limitation on Enrollment:** This course is not open to students with previous credit for PHYE 218

A physician's medical release form is required.

This course is designed for students to compete in men's and women's intercollegiate varsity swimming and diving competition. This course may be taken two times for credit. Students must demonstrate increased proficiency and skill attainment with each repetition.

FT; AA/as; CSU; UC.**EXSC 219 Intercollegiate Swimming II****96 - 175 hours lab; 2-3.5 units****Grading:** Letter Grade Only**Limitation on Enrollment:** This course is not open to students with previous credit for PHYE 219

A physician's medical release form is required.

This course is designed for students to compete in a second semester of men's and women's intercollegiate varsity swimming and diving competition. This course may be taken two times for credit. Students must demonstrate increased proficiency and skill attainment with each repetition.

FT; AA/as; CSU; UC.**EXSC 222 Intercollegiate Track and Field I****96 - 175 hours lab; 2-3.5 units****Grading:** Letter Grade Only**Limitation on Enrollment:** This course is not open to students with previous credit for PHYE 222

This course is for students competing in their first season of intercollegiate track and field. This course may be taken two times for credit. Students must demonstrate increased proficiency and skill attainment with each repetition.

FT; AA/as; CSU; UC.**EXSC 223 Intercollegiate Track and Field II****96 - 175 hours lab; 2-3.5 units****Grading:** Letter Grade Only**Limitation on Enrollment:** This course is not open to students with previous credit for PHYE 223.

This course is for students competing in their second season of intercollegiate track and field. This course may be taken two times for credit. Students must demonstrate increased proficiency and skill attainment with each repetition.

FT; AA/as; CSU; UC.

EXSC 224 Intercollegiate Volleyball I**96 - 175 hours lab; 2-3.5 units****Grading:** Letter Grade Only**Limitation on Enrollment:** This course is not open to students with previous credit for PHYE 224.

This is the first course in intercollegiate volleyball competition. Topics include analyses of team offensive and defensive systems. This course is designed to prepare advanced volleyball students for intercollegiate competition. This course is offered in the fall and spring semester and may be taken two times for credit. Students must demonstrate increased proficiency and skill attainment with each repetition.

FT; AA/as; CSU; UC.**EXSC 225 Intercollegiate Volleyball II****96 - 175 hours lab; 2-3.5 units****Grading:** Letter Grade Only**Advisory:** EXSC 224 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for PHYE 225.

This is the second course in intercollegiate volleyball competition. This course is offered in the fall and spring semester and may be taken two times for credit. Students must demonstrate increased proficiency and skill attainment with each repetition.

FT; AA/as; CSU; UC.**EXSC 226 Intercollegiate Water Polo I****96 - 175 hours lab; 2-3.5 units****Grading:** Letter Grade Only**Limitation on Enrollment:** This course is not open to students with previous credit for PHYE 226.

This course is designed for men and women participating in intercollegiate water polo competition. Topics include fundamental techniques of water polo, individual and team offensive tactics, individual and team defensive tactics, and rules of play. This course is designed to improve student proficiency and skill level with each repetition and may be taken two times for credit. It is intended for intercollegiate athletes.

FT; AA/as; CSU; UC.**EXSC 227 Intercollegiate Water Polo II****96 - 175 hours lab; 2-3.5 units****Grading:** Letter Grade Only**Prerequisite:** EXSC 226 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for PHYE 227.

This course is designed for men and women participating in intercollegiate water polo competition. Topics include advanced techniques of water polo, advanced individual and team offensive tactics, advanced individual and team defensive tactics, and further study in rules of play. This course is designed to improve student proficiency and skill level with each repetition and may be taken two times for credit. It is intended for intercollegiate athletes.

FT; AA/as; CSU; UC.**EXSC 228A Intercollegiate Beach Volleyball I****96 - 175 hours lab; 2-3.5 units****Grading:** Letter Grade Only

This course is designed for students participating in intercollegiate beach volleyball competitions. Topics include techniques of beach volleyball, individual and team offensive tactics, individual and team defensive tactics, and rules of play. This course is designed to improve student proficiency and skill level with each repetition and may be taken two times for credit.

FT; AA/as; CSU; UC.**EXSC 228B Intercollegiate Beach Volleyball II****96 - 175 hours lab; 2-3.5 units****Grading:** Letter Grade Only**Advisory:** EXSC 228A with a Grade of "C" or better, or equivalent

This course is designed for students participating in intercollegiate beach volleyball competitions. Topics include advanced techniques of beach volleyball, advanced individual and team offensive tactics, advanced individual and team defensive tactics, and further study in rules of play. This course is designed to improve student proficiency and skill level with each repetition and may be taken two times for credit.

FT; AA/as; CSU; UC.

EXSC 230A Theories and Strategies of Baseball I
24-27 hours lecture/24-27 hours lab; 2 units

Grading: Letter Grade Only

Advisory: Concurrent enrollment in: EXSC 202 or EXSC 203

Limitation on Enrollment: This course is not open to students with previous credit for PHYE 252A. This course provides instruction to develop the fundamental skills of throwing, catching, running, hitting, and the rules of NCAA baseball as well as strategies used during game competition. Sport specific speed and strength development is emphasized. This course is intended for intercollegiate baseball players only.

FT; AA/as; CSU; UC.

EXSC 230B Theories and Strategies of Baseball II
24-27 hours lecture/24-27 hours lab; 2 units

Grading: Letter Grade Only

Advisory: EXSC 230A with a Grade of "C" or better, or equivalent

Advisory: Concurrent enrollment in: EXSC 202 or EXSC 203

Limitation on Enrollment: This course is not open to students with previous credit for PHYE 252B. This is the second course in Theories and Strategies of Baseball. Course emphasis is on advanced skills, strategy, tactics, rules officiating, and organizational procedures in baseball. This course is intended for intercollegiate baseball players.

FT; AA/as; CSU; UC.

EXSC 231A Theories and Strategies of Basketball I
24-27 hours lecture/24-27 hours lab; 2 units

Grading: Letter Grade Only

Limitation on Enrollment: This course is not open to students with previous credit for PHYE 251A. This course covers the theoretical concepts necessary for students to compete successfully in their first intercollegiate basketball season. Topics include rules, game strategies, history, and game preparation. The physiological requirements for the intercollegiate athlete and importance of nutritional components for optimal performance are emphasized. Separate sections of this course are offered for men and women. The course is intended for intercollegiate athletes.

FT; AA/as; CSU; UC.

EXSC 231B Theories and Strategies of Basketball II

24-27 hours lecture/24-27 hours lab; 2 units

Grading: Letter Grade Only

Advisory: EXSC 231A with a Grade of "C" or better, or equivalent

Advisory: Concurrent enrollment in: EXSC 205

Limitation on Enrollment: This course is not open to students with previous credit for PHYE 251B. This course covers advanced theoretical concepts and techniques for intercollegiate basketball competition. Topics include advanced team strategies, efficient basketball conditioning techniques, goals for game preparation, and leadership qualities for basketball. Concepts of team building and social skills necessary for success at the intercollegiate level are also emphasized. Separate sections of this course are offered for men and women. The course is intended for intercollegiate athletes.

FT; AA/as; CSU; UC.

EXSC 232A Professional Activities/Cross Country I
24-27 hours lecture/24-27 hours lab; 2 units

Grading: Letter Grade Only

Advisory: Completion of or concurrent enrollment in: EXSC 206 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for PHYE 258A. This course introduces students to the development of skills for cross country running as well as biomechanics, exercise physiology, workout design, scouting, and procedures for administering a college cross country meet. The course is designed for students who are participating in this sport and for those who may be interested in coaching cross country teams.

FT; AA/as; CSU; UC.

EXSC 232B Professional Activities/Cross Country II

24-27 hours lecture/24-27 hours lab; 2 units

Grading: Letter Grade Only

Advisory: Completion of or concurrent enrollment in: EXSC 207 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for PHYE 258B. This course covers the development of advanced skills in cross country running, including techniques of biomechanics, exercise physiology, workout design, and scouting. Emphasis is placed on procedures for administering college cross country meets and coaching techniques. This course is designed for second-year students who are participating in this sport and for those who are interested in coaching cross-country teams.

FT; AA/as; CSU; UC.

EXSC 233A Theories and Strategies of Intercollegiate Football I

24-27 hours lecture/24-27 hours lab; 2 units

Grading: Letter Grade Only

Advisory: Concurrent enrollment in: EXSC 210

Limitation on Enrollment: This course is not open to students with previous credit for PHYE 250A.

This course is designed for students competing in their first intercollegiate football season. Emphasis is on theoretical concepts necessary for successful participation. Topics include analysis of fundamentals used on offense/defense, special teams and also strategies, rules, and officiating.

FT; AA/as; CSU; UC.

EXSC 233B Theories and Strategies of Intercollegiate Football II

24-27 hours lecture/24-27 hours lab; 2 units

Grading: Letter Grade Only

Advisory: Concurrent enrollment in: EXSC 211

Limitation on Enrollment: This course is not open to students with previous credit for PHYE 250B.

This course in the theory and strategies of intercollegiate football is offered in the Fall semester and emphasizes advanced game skills, tactics, rules officiating, and organizational procedures. Students develop social skills and team building techniques required for success on the football team. This course is designed for students involved in intercollegiate football.

FT; AA/as; CSU; UC.

EXSC 234A Theories and Strategies of Soccer I

24-27 hours lecture/24-27 hours lab; 2 units

Grading: Letter Grade Only

Limitation on Enrollment: This course is not open to students with previous credit for PHYE 257A

This course covers the theoretical concepts necessary for students to compete successfully in their first intercollegiate soccer season. Topics include mechanical analysis of fundamental through advanced soccer skills, offensive and defensive strategies, statistics, rules, and officiating. Separate sections of this course are offered for men's soccer and women's soccer. The course is intended for intercollegiate athletes.

FT; AA/as; CSU; UC.

EXSC 234B Theories and Strategies of Soccer II

24-27 hours lecture/24-27 hours lab; 2 units

Grading: Letter Grade Only

Limitation on Enrollment: This course is not open to students with previous credit for PHYE 257B.

This course covers advanced theoretical concepts and techniques for intercollegiate soccer competition. Topics include advanced team strategies, efficient conditioning techniques, goals for game preparation, and leadership qualities. Concepts for team building and social skills necessary for success at the intercollegiate level are emphasized. Separate sections of this course are offered for men's soccer and women's soccer. The course is intended for intercollegiate athletes.

FT; AA/as; CSU; UC.

EXSC 235A Theories and Strategies of Softball I

24-27 hours lecture/24-27 hours lab; 2 units

Grading: Letter Grade Only

Advisory: Concurrent enrollment in: EXSC 216

Limitation on Enrollment: This course is not open to students with previous credit for PHYE 253A.

This course explores a variety of softball strategies and techniques focusing on the development of offensive and defensive strategies, rules, officiating, video review, and mechanical analysis of fundamentals through advanced softball skills. The course is open to students interested in participating in intercollegiate softball or kinesiology majors.

FT; AA/as; CSU; UC.

EXSC 235B Theories and Strategies of Softball II

24-27 hours lecture/24-27 hours lab; 2 units

Grading: Letter Grade Only

Advisory: Concurrent enrollment in: EXSC 217

Limitation on Enrollment: This course is not open to students with previous credit for PHYE 253B.

This course develops both mental and physical competency with emphasis on advanced skill, mechanics, rules, offensive and defensive strategies, officiating, facilities, video review, organizational procedures and physiological aspects of the game as they relate to college softball. The course is open to students interested in intercollegiate softball and kinesiology majors.

FT; AA/as; CSU; UC.

EXSC 236A Theories and Strategies of Beach Volleyball I**24-27 hours lecture/24-27 hours lab; 2 units****Grading:** Letter Grade Only**Advisory: Completion of or concurrent enrollment in:**

EXSC 228A with a Grade of "C" or better, or equivalent

This course covers theoretical concepts necessary for successful participation in beach volleyball. Topics covered include mechanical analysis of fundamentals through advanced beach volleyball skills, offensive/defensive strategies, court etiquette, rules and officiating. This course is designed for students competing on the intercollegiate beach volleyball team and those interested in the sport of beach volleyball.

FT; AA/as; CSU; UC.**EXSC 236B Theories and Strategies of Beach Volleyball II****24-27 hours lecture/24-27 hours lab; 2 units****Grading:** Letter Grade Only**Advisory: Completion of or concurrent enrollment in:**

EXSC 228B with a Grade of "C" or better, or equivalent

This course covers advanced theoretical concepts necessary for successful participation in beach volleyball. Topics include advanced team strategies, efficient beach volleyball conditioning techniques, goals for game preparation, and leadership qualities for beach volleyball. Concepts of team building and social skills necessary for success at the intercollegiate level are also emphasized. This course is designed for students competing on the intercollegiate beach volleyball team and those interested in the sport of beach volleyball.

FT; AA/as; CSU; UC.**EXSC 238A Theories and Strategies/Track and Field I****24-27 hours lecture/24-27 hours lab; 2 units****Grading:** Letter Grade Only**Advisory: Concurrent enrollment in:** EXSC 222**Limitation on Enrollment:** This course is not open to students with previous credit for PHYE 254A.

This course is a practical application of track and field program management. Emphasis is placed on team development, competition scheduling, site preparation, and teaching the principles of track and field. This course is offered during Spring semester for students enrolled in a first intercollegiate track and field season.

FT; AA/as; CSU; UC.**EXSC 238B Theories and Strategies/Track and Field II****24-27 hours lecture/24-27 hours lab; 2 units****Grading:** Letter Grade Only**Advisory:** EXSC 238A with a Grade of "C" or better, or equivalent**Advisory: Completion of or concurrent enrollment in:**

EXSC 223 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for PHYE 254B.

This course is an advanced application of track and field program management. Emphasis is placed on skills, tactics, officiating, facilities, video review and organizational procedures for administering a college track and field meet. This course is offered during the Spring semester for students enrolled in a second intercollegiate track and field season.

FT; AA/as; CSU; UC.**EXSC 239A Theories and Strategies of Intercollegiate Volleyball I****24-27 hours lecture/24-27 hours lab; 2 units****Grading:** Letter Grade Only**Advisory: Concurrent enrollment in:** EXSC 224 or EXSC 225**Limitation on Enrollment:** This course is not open to students with previous credit for PHYE 255A.

This is a course in which students competing in their first intercollegiate volleyball season learn the theoretical concepts necessary for successful participation. Topics covered include mechanical analysis of fundamentals through advanced volleyball skills, offensive/defensive strategies, statistics, rules, and officiating.

FT; AA/as; CSU; UC.**EXSC 239B Theories and Strategies of Intercollegiate Volleyball II****24-27 hours lecture/24-27 hours lab; 2 units****Grading:** Letter Grade Only**Advisory:** EXSC 239A with a Grade of "C" or better, or equivalent**Advisory: Concurrent enrollment in:** EXSC 225**Limitation on Enrollment:** This course is not open to students with previous credit for PHYE 255B.

This is a course in which students competing in their second intercollegiate volleyball season learn the theoretical concepts necessary for successful participation. Topics covered include officiating, statistics, concepts for team building, goals for game preparation, leadership, and social skills for success at the intercollegiate level.

FT; AA/as; CSU; UC.

EXSC 240 Physical Education in the Elementary Schools**40-45 hours lecture/24-27 hours lab; 3 units****Grading:** Letter Grade Only

Limitation on Enrollment: This course is not open to students with previous credit for PHYE 240. This course includes a brief study of the growth, development, and characteristics of the elementary school child. The elements of written lesson plans, units, evaluations, and various forms of testing are covered. The teaching of fundamental skills, rhythms, dance, and games based on sound physiological principles for this age group is emphasized. The positive impact of physical education on health and wellness, in addition to, academic achievement is explored. Students gain knowledge and understanding of the physiological and sociological effects of alcohol, narcotics, drugs, and tobacco and of ways to identify, refer, and support students and their families who may be at risk of physical, psychological, emotional, or social health problems. Actual teaching situations are experienced in the lab sessions. This course is designed to fulfill lower division preparation for the kinesiology major or for students interested in elementary education.

FT; AA/as; CSU.**EXSC 241B Introduction to Kinesiology****48-54 hours lecture; 3 units****Grading:** Letter Grade Only

Limitation on Enrollment: This course is not open to students with previous credit for PHYE 241B. This introductory course covers the professional career options, history, basic philosophy, and principles of kinesiology. Other topics include current and emerging issues in foods and nutrition. This course is intended for Kinesiology majors or anyone exploring opportunities in the fields of health, wellness, physical activity, nutrition, or sport.

FT; AA/as; CSU; UC; C-ID: KIN 100.**EXSC 242B Care and Prevention of Injuries****48-54 hours lecture; 3 units****Grading:** Letter Grade Only

Limitation on Enrollment: This course is not open to students with previous credit for PHYE 242, 242B or EXSC 289. This course covers the theory and practice of emergency field care and basic athletic first aid. Topics include prevention and care of common athletic injuries, bandaging and/or taping techniques. This course is designed for students interested in athletic training, coaching of sports and majoring in Physical Education, Kinesiology and Exercise Science.

FT; AA/as; CSU; UC.**EXSC 243A Theories and Strategies of Water Polo I****24-27 hours lecture/24-27 hours lab; 2 units****Grading:** Letter Grade Only

Advisory: Completion of or concurrent enrollment in: EXSC 226 with a Grade of "C" or better, or equivalent. This course covers the theoretical concepts necessary for students to compete successfully in their first intercollegiate water polo season. Topics include rules, game strategies, history, and game preparation. The physiological requirements for the intercollegiate athlete and importance of nutritional components for optimal performance are emphasized. Separate sections of this course are offered for men and women. The course is intended for intercollegiate water polo athletes.

FT; AA/as; CSU; UC.**EXSC 243B Theories and Strategies of Water Polo II****24-27 hours lecture/24-27 hours lab; 2 units****Grading:** Letter Grade Only

Advisory: Completion of or concurrent enrollment in: EXSC 227 with a Grade of "C" or better, or equivalent. This course covers advanced theoretical concepts and techniques for intercollegiate water polo competition. Topics include advanced team strategies, efficient water polo conditioning techniques, goals for game preparation, and leadership qualities for water polo. Concepts of team building and social skills necessary for success at the intercollegiate level are also emphasized. Separate sections of this course are offered for men and women. The course is intended for intercollegiate water polo athletes.

FT; AA/as; CSU.**EXSC 244A Theories and Strategies of Swimming and Diving I****24-27 hours lecture/24-27 hours lab; 2 units****Grading:** Letter Grade Only

Advisory: Completion of or concurrent enrollment in: EXSC 218 with a Grade of "C" or better, or equivalent. This course covers the theoretical concepts necessary for students to compete successfully in their first intercollegiate swimming and diving season. Topics covered include rules, history, race tactics, individual and team training and strategies. The physiological requirements for the intercollegiate athlete and importance of nutritional components for optimal performance are emphasized. Separate sections of this course are offered for men and women. The course is intended for intercollegiate athletes and students who may be interested in coaching swimming and diving teams.

FT; AA/as; CSU; UC.

EXSC 244B Theories and Strategies of Swimming and Diving II**24-27 hours lecture/24-27 hours lab; 2 units****Grading:** Letter Grade Only**Advisory: Completion of or concurrent enrollment in:**

EXSC 219 with a Grade of "C" or better, or equivalent

This course covers advanced theoretical concepts and techniques for intercollegiate swimming and diving competition. Emphasis is placed on team development, competition scheduling, site preparation, and teaching the principles of swimming and diving program management. Topics include advanced team strategies, officiating, facilities, and organizational procedures for administering a college swimming and diving meet. Concepts of team building, leadership and social skills necessary for success at the intercollegiate level are also emphasized. Separate sections of this course are offered for men and women. This course is designed for second-year students who are participating in this sport and for those who are interested in coaching swimming and diving.

FT; AA/as; CSU; UC.**EXSC 270 Exercise Science Internship / Work Experience****54 - 216 hours other; 1-4 units****Grading:** Letter Grade Only**Limitation on Enrollment:** This course is not open to students with previous credit for PHYE 270.

This course provides on-the-job learning experience for students employed in an exercise science-related job or internship. Students develop workplace competencies, critical thinking skills, and problem solving abilities through the creation, and achievement of job-related behavioral learning objectives. This course may be taken up to four times. One unit of credit may be earned for every 54 hours of work experience. A maximum of fourteen credit hours for all work experience subject areas may be earned during one enrollment period. This course is intended for students majoring in exercise science or those interested in the fitness, health, and wellness industry. This includes but is not limited to the fields of personal training, physical therapy, strength and conditioning, health and wellness coaching, and yoga teaching.

FT; AA/as; CSU.**EXSC 280 Applied Exercise Physiology****32-36 hours lecture; 2 units****Grading:** Letter Grade Only**Limitation on Enrollment:** This course is not open to students with previous credit for PHYE 280

This course is an introduction to how the body functions under conditions of exercise stress and how fitness behaviors affect health and wellness. Emphasis is placed on muscular, cardiorespiratory, and other physiological processes that occur as a result of exercise conditioning, as well as their effects on disease risk. This course is intended for students seeking certification as personal trainers.

FT; AA/as; CSU.**EXSC 281 Applied Kinesiology****32-36 hours lecture; 2 units****Grading:** Letter Grade Only**Limitation on Enrollment:** This course is not open to students with previous credit for PHYE 281

This course is a study of movement as it relates to exercise under both normal and injury conditions. Students learn the practical implications of exercise on bones, joints, nerves, and muscles. Emphasis is placed on applying body alignment, range of motion, stabilization, and acceleration principles to the development of exercise programs. This course is intended for students seeking certification as personal trainers.

FT; AA/as; CSU.**EXSC 282 Techniques of Weight Training****32-36 hours lecture; 2 units****Grading:** Letter Grade Only**Limitation on Enrollment:** This course is not open to students with previous credit for PHYE 282.

This course is an introduction to teaching techniques in weight training. Topics include anatomy, physiology, training sequences, equipment options, safety factors, and contraindications. This course is intended for students seeking certification as personal trainers.

FT; AA/as; CSU.**EXSC 283 Exercise and Fitness Assessment****24-27 hours lecture/24-27 hours lab; 2 units****Grading:** Letter Grade Only**Limitation on Enrollment:** This course is not open to students with previous credit for PHYE 283.

This course prepares students to assess and evaluate exercise and fitness parameters. Topics include the measurement and evaluation of cardiorespiratory endurance; muscular strength and endurance; flexibility; body fat; pulmonary function; and blood pressure. Emphasis is placed on determining the appropriate test, conducting the test, interpreting the results, and creating an exercise program. This course is intended for students seeking certification as personal trainers.

FT; AA/as; CSU.

EXSC 284 Fitness and Sports Nutrition**32-36 hours lecture; 2 units****Grading:** Letter Grade Only**Limitation on Enrollment:** This course is not open to students with previous credit for PHYE 284.

This course covers the basic principles of nutrition and the ramifications on sports activities. Topics include general nutrition, nutritional considerations for optimal sports performance, and weight control. This course is intended for students seeking certification as personal trainers.

FT; AA/as; CSU.**EXSC 285 Exercise for Special Populations****32-36 hours lecture; 2 units****Grading:** Letter Grade Only**Limitation on Enrollment:** This course is not open to students with previous credit for PHYE 285.

This course presents exercise implications for special populations related to age, medical condition, and level of fitness. Emphasis is placed on cardiac conditions; diabetes; obesity; physical disabilities; Human Immunodeficiency Virus (HIV) and Acquired Immune Deficiency Syndrome (AIDS); asthma; and sensory impairments. Issues and barriers to exercise are included for each of the following groups: seniors; children; athletes; the mentally impaired; and pregnant and postpartum women. This course is intended for students seeking certification as personal trainers.

FT; AA/as; CSU.**EXSC 286 Techniques of Exercise Leadership****28-31.5 hours lecture/12-13.5 hours lab; 2 units****Grading:** Letter Grade Only**Limitation on Enrollment:** This course is not open to students with previous credit for PHYE 286.

This course provides students with the principles and techniques involved in developing a personal trainer/client relationship. Emphasis is placed on client assessment, communication skills, program design, exercise adherence, teaching strategies, and professional responsibility and liability. This course is intended for students seeking certification as personal trainers.

FT; AA/as; CSU.**EXSC 288 Personal Training Professional Preparation****16-18 hours lecture; 1 unit****Grading:** Letter Grade Only**Advisory: Concurrent enrollment in:** EXSC 270**Limitation on Enrollment:** This course is not open to students with previous credit for PHYE 287, PHYE 288 or EXSC 287.

This course is designed to provide students in the Personal Trainer Certificate Program with practical experience in the field of exercise and fitness. Emphasis is placed on participant screening, evaluation, and exercise program design; self-marketing; trainer/client relationships; and professional responsibility in a fitness setting.

FT; AA/as; CSU.**EXSC 290 Independent Study****48 - 162 hours other; 1-3 units****Grading:** Letter Grade or Pass/No Pass**Limitation on Enrollment:** Obtain Permission Number from Instructor

This course is not open to students with previous credit for PHYE 290.

This course is for students who wish to conduct additional research, a special project, or learning activities in the field of exercise science. It is not intended to replace an existing course in the discipline. In this course students will have a written contract with their instructor for activities such as: preparing problem analysis, engaging in primary research, preparing reports, and meeting with the instructor at specific intervals.

FT; AA/as; CSU.**EXSC 294 Health and Wellness Coaching****48-54 hours lecture; 3 units****Grading:** Letter Grade Only

This course provides students with the theoretical knowledge and practical skills required to be a health and wellness coach. Emphasis is placed on effective coach-to-client communication techniques, rapport building, motivational interviewing, and behavior change theories. This course is intended for students who are preparing for the American Council on Exercise's (ACE) Health Coach Certification and/or the National Board for Health and Wellness Coaching's National Board Certified Health and Wellness Coach (NBC-HWC) exam.

FT; AA/as; CSU.

EXSC 298 Applications of Health and Wellness Coaching**24-54 hours lab; 0.5-1 units****Grading:** Letter Grade Only**Prerequisite:** EXSC 294 with a Grade of "C" or better, or equivalent

This course helps students enhance their coaching skills with practice coaching sessions and instructor feedback. It also covers the ethical and legal implications of health and wellness coaching. This course is designed to provide students in the Health and Wellness Coaching Program with practical experience in the field of wellness coaching.

FT; AA/as; CSU.**EXSC 392A Special Topics in Sports Theory and Training I****8-9 hours lecture/24-108 hours lab; 1-3 units****Grading:** Letter Grade or Pass/No Pass

This beginning-level course provides students the opportunity to develop theoretical understanding and individual training in a specific sport. Theories, principles, and techniques are taught for a variety of different sports that may vary from term to term. Sports focus areas for each section are listed in the class schedule.

FT; AA/as; CSU.**EXSC 392B Special Topics in Sports Theory and Training II****8-9 hours lecture/24-108 hours lab; 1-3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** EXSC 392A with a Grade of "C" or better, or equivalent

This intermediate-level course provides students the opportunity to develop additional theoretical understanding and individual training in a specific sport. Theories, principles, and techniques are taught for a variety of different sports that may vary from term to term. Sports focus areas for each section are listed in the class schedule.

FT; AA/as; CSU.

FASH-Fashion**FASH 105 Introduction to Fashion****48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This course is a survey of the fashion industry. Emphasis is placed on all aspects of the fashion field including the designing, manufacturing, retailing, and promotion. Students develop a vocabulary of fashion terminology and an awareness of the relationship of fashion trends to current economic and social factors relating to men's, women's and children's clothing. The global nature of fashion is also discussed. This course is designed for anyone interested in pursuing a career in fashion.

FT; AA/as; CSU.**FASH 108 Analysis, Evaluation, and Comparison of Ready-to-Wear Fashion****48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Advisory: Concurrent enrollment in:** FASH 105

This course provides an analysis of the quality of materials, design, and construction in ready-to-wear garments. Topics also include sizing, fit, selling points and buying benefits. This course is designed for fashion merchandising majors and marketing students interested in the ready-to-wear and retail industry.

FT; AA/as; CSU.**FASH 109 Fashion Product Development****40-45 hours lecture/24-27 hours lab; 3 units****Grading:** Letter Grade Only**Prerequisite:** FASH 105 with a Grade of "C" or better, or equivalent and **Advisory:** FASH 108 with a Grade of "C" or better, or equivalent and FASH 130 with a Grade of "C" or better, or equivalent

In this course students learn the processes of sourcing and product development for apparel businesses. The focus includes research, development, and execution of a production-ready prototype and its technical package. Included are techniques in building a technical package, approving samples, pattern adjustment and appropriate fit. This course is designed for students enrolled in the Fashion Merchandising program and those interested in fashion product development.

FT; AA/as; CSU.

FASH 110 Fashion Buying/Management**48-54 hours lecture; 3 units****Grading:** Letter Grade Only

This course is a study and practical application of buying for a variety of retail concerns. Emphasis is placed on the role of the buyer in maximizing sales, managing inventories, negotiating with vendors, and creating customer satisfaction through providing desired merchandise assortments. Topics also include the principles of retail accounting as they apply to the role of the buyer. This course is designed for fashion merchandising and business students and anyone interested in exploring retail buying as a career.

FT; AA/as; CSU.**FASH 111 Fashion E-commerce****48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Prerequisite:** FASH 105 with a Grade of "C" or better, or equivalent**Advisory:** FASH 110 with a Grade of "C" or better, or equivalent or FASH 175 with a Grade of "C" or better, or equivalent or FASH 179 with a Grade of "C" or better, or equivalent

This course is a study and practical applications necessary for E-Commerce fashion business. Emphasis is on planning, creation and management of an E-Commerce site for a fashion-related business. Topics include research analysis, development of an online identity, site planning, and the processes involved in building, managing, and marketing an online web store. This course is designed for fashion merchandising and business students, anyone interested in exploring E-Commerce as a career.

FT; AA/as; CSU.**FASH 112 Fashion Promotion****48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This course is a study of fashion promotion. Emphasis is placed on marketing fashion through promotional events. Students conceptualize, plan, budget, promote and direct fashion activities in the community and on campus. Topics also include publicity, event advertising, and community presentations. This course is intended for fashion majors and students interested in fashion promotion.

FT; AA/as; CSU.**FASH 113 Fashion Event Planning and Production****24-27 hours lecture/24-27 hours lab; 1.5 units****Grading:** Letter Grade Only

In this course students learn the process of planning and producing fashion events currently utilized in the fashion industry. Additionally, students effectively plan and execute a fashion-related community event. This course is designed for students seeking skills in event management.

FT; AA/as; CSU.**FASH 115 Visual Merchandising****48-54 hours lecture; 3 units****Grading:** Letter Grade Only

This course is a study of the processes required to plan, coordinate and build visual displays for the fashion industry. Emphasis is placed on the principles and elements of design. This course is designed for students interested in creating fashion displays.

FT; AA/as; CSU.**FASH 120 Fashion History and Trends****48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This course is a survey of the evolution of clothing styles throughout history from the Egyptian period to the present. Emphasis is placed on the relation of recurring style trends to contemporary fashion. This course is designed for fashion design majors and anyone interested in costuming, museum work or fashion in history.

FT; AA/as; CSU.**FASH 121 Ethnic Costume: Overview of History and Design****16-18 hours lecture; 1 unit****Grading:** Letter Grade Only

This course provides a basic overview of ethnic costume from around the world. Emphasis is placed on silhouette, cut, and embellishment. This course is designed for students interested in broadening their appreciation of global traditional dress.

FT; AA/as; CSU; UC.

FASH 122 Ethnic Costume**48-54 hours lecture; 3 units****Grading:** Letter Grade Only

This course is an in-depth study of ethnic costume from around the world. Emphasis is placed on the interrelationship of history, geography and anthropology on the dress of various cultures. Costumes are studied in terms of styling, fabrication, embellishment and local influences, such as the arts and crafts practiced by the group. This course is designed for students in multiple disciplines who are interested in gaining an appreciation of world costume, past and present.

FT; AA/as; CSU; UC.**FASH 123 Introduction to Costume Development****40-45 hours lecture/24-27 hours lab; 3 units****Grading:** Letter Grade Only

Advisory: FASH 120 with a Grade of "C" or better, or equivalent and FASH 130 with a Grade of "C" or better, or equivalent and FASH 131 with a Grade of "C" or better, or equivalent and FASH 141 with a Grade of "C" or better, or equivalent and FASH 145 with a Grade of "C" or better, or equivalent

In this course students learn the process of costuming for theatre and stage. They study the various approaches to costuming and will research, design, draft/drape and construct a costume from a period of history, suitable for the stage. Analysis, sketching, pattern drafting/draping and construction skills will be utilized. This course is designed for Fashion students interested in costume development.

FT; AA/as; CSU.**FASH 124 Costume Understructures****8-9 hours lecture/24-27 hours lab; 1 unit****Grading:** Letter Grade Only

Prerequisite: FASH 130 with a Grade of "C" or better, or equivalent and FASH 130L with a Grade of "C" or better, or equivalent

Advisory: FASH 140 with a Grade of "C" or better, or equivalent and FASH 145 with a Grade of "C" or better, or equivalent

This course focuses on the history and design of understructures that altered the fashion silhouette. Students will research, design, and construct a period-influenced understructure utilizing appropriate fabrics and techniques. This course is suitable for anyone interested in working in fashion design or costuming within the theatre and entertainment industries.

FT; AA/as; CSU.**FASH 125 Fashion Selection****48-54 hours lecture; 3 units****Grading:** Letter Grade Only

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent

This course is a study of the cultural, psychological and sociological aspects of clothing, including art elements and principles of design as they relate to clothing selection. Emphasis is placed on wardrobe planning, buying practices, and standards of quality. This course is intended for Fashion Design majors and students interested in wardrobe planning.

FASH 130 Apparel Construction I**48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Corequisite:** FASH 130L

This course is a study of basic apparel construction using standard and industry methods. Emphasis is placed on garment construction, sewing equipment operation and maintenance, and analysis of fitting problems. This course is intended for all fashion design majors and is open to students interested in fitting and constructing clothing.

FT; AA/as; CSU.**FASH 130L Apparel Construction I Laboratory****48-54 hours lab; 1 unit****Grading:** Letter Grade Only**Corequisite:** FASH 130

Limitation on Enrollment: This course is not open to students with previous credit for FASH 199A.

This laboratory course provides hands-on experience in basic apparel construction. Students apply standard and industry methods to construct garments and maintain and operate sewing equipment. This course is designed for all fashion design majors and is open to students interested in fitting and constructing clothing.

FT; AA/as; CSU.**FASH 131 Apparel Construction II****48-54 hours lecture; 3 units****Grading:** Letter Grade Only

Prerequisite: FASH 130 with a Grade of "C" or better, or equivalent

Corequisite: FASH 131L

This course is a study of advanced apparel construction. Emphasis is placed on current fabrics and techniques used in contemporary ready-to-wear and couture. This course is intended for all fashion design majors and is open to students interested in fitting and constructing clothing.

FT; AA/as; CSU.

FASH 131L Apparel Construction II Laboratory**48-54 hours lab; 1 unit****Grading:** Letter Grade Only**Corequisite:** FASH 131**Limitation on Enrollment:** This course is not open to students with previous credit for FASH 199C.

This course provides hands-on experience in advanced ready-to-wear and couture apparel construction. Students apply advanced standard and industry methods to construct advanced-level garments. This course is designed for all fashion design majors and is open to students interested in fitting and constructing clothing.

FT; AA/as; CSU.**FASH 135 Tailoring****48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Prerequisite:** FASH 131 with a Grade of "C" or better, or equivalent**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This course presents various tailoring techniques. Emphasis is placed on tailoring and fitting a coat or jacket utilizing a commercial pattern. This course is intended for students majoring in fashion design.

FT; AA/as; CSU.**FASH 140 Clothing Design and Flat Pattern I****40-45 hours lecture/24-27 hours lab; 3 units****Grading:** Letter Grade Only**Corequisite: Completion of or concurrent enrollment in:** FASH 130 with a Grade of "C" or better, or equivalent

This course is a study of clothing design through flat pattern making. Students make patterns by manipulation of a basic sloper to create a variety of designs. This course is designed for all fashion design majors and students interested in creating original clothing designs.

FT; AA/as; CSU.**FASH 141 Clothing Design and Flat Pattern II****40-45 hours lecture/24-27 hours lab; 3 units****Grading:** Letter Grade Only**Prerequisite:** FASH 140 with a Grade of "C" or better, or equivalent

This course is an advanced study of the clothing design through flat pattern making and drafting. Emphasis is placed on the principles of design and the application of those techniques in developing, fitting, and constructing original garments. This course is intended for fashion design majors and students interested in creating original clothing designs.

FT; AA/as; CSU.**FASH 142 Fashion Illustration & Technical Sketching****48-54 hours lecture; 3 units****Grading:** Letter Grade Only

This course is a practical study of fashion illustration techniques for drawing the stylized, elongated figure (croquis) and technical flats. Emphasis is placed on the use of the fashion croquis to interpret and draw garment shapes utilizing both traditional and digital media. This course is intended for fashion design majors.

FT; AA/as; CSU.**FASH 143 Advanced Fashion Illustration and Technical Sketching****24-27 hours lecture; 1.5 units****Grading:** Letter Grade Only**Prerequisite:** FASH 142 with a Grade of "C" or better, or equivalent

This advanced course continues the development of individualized sketching style by perfecting the stylized, elongated fashion croquis, production technical flats, and exploring portfolio-ready presentation layouts. Advanced mixed media techniques are developed for rendering a variety of fabric textures. This course is intended for fashion design majors.

FT; AA/as; CSU.**FASH 145 Clothing Design Through Draping****48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Prerequisite:** FASH 130 with a Grade of "C" or better, or equivalent and FASH 140 with a Grade of "C" or better, or equivalent**Corequisite:** FASH 145L

This course is a study of the terminology and basic techniques of fabric draping. Students drape and fit fabrics on a three-dimensional form, design patterns and construct original garments from these patterns. This course is designed for fashion design majors and any student interested in expanding design skills.

FT; AA/as; CSU.**FASH 145L Clothing Design Through Draping Laboratory****48-54 hours lab; 1 unit****Grading:** Letter Grade Only**Corequisite:** FASH 145**Limitation on Enrollment:** This course is not open to students with previous credit for FASH 199B.

This laboratory course provides hands-on experience in basic draping. Students apply industry methods to drape three-dimensional designs. This course is designed for all fashion design majors and is open to students interested in draping for the fashion industry.

FT; AA/as; CSU.

FASH 147 Stretch Knits: Design and Construction
8-9 hours lecture/24-27 hours lab; 1 unit

Grading: Letter Grade Only

Prerequisite: FASH 130 with a Grade of "C" or better, or equivalent and FASH 140 with a Grade of "C" or better, or equivalent

This course focuses on the design and construction of stretch knit clothing. Students learn to evaluate knit fabrics and to draft appropriate patterns. Specialty construction techniques are covered. This course is suitable for Fashion students interested in working in the knitwear, activewear, swimwear, or costuming industries.

FT; AA/as; CSU.

FASH 150 Advanced Fashion Design

48-54 hours lecture; 3 units

Grading: Letter Grade Only

Prerequisite: FASH 130 with a Grade of "C" or better, or equivalent and FASH 140 with a Grade of "C" or better, or equivalent and FASH 142 with a Grade of "C" or better, or equivalent or FASH 176 with a Grade of "C" or better, or equivalent and FASH 145 with a Grade of "C" or better, or equivalent or FASH 141 with a Grade of "C" or better, or equivalent or FASH 171 with a Grade of "C" or better, or equivalent

This course covers advanced principles of designing, creating and producing original garments for specific customer markets. Students develop a collection of original garments for presentation to the fashion industry. This course is intended for fashion design majors.

FASH 155 Fashion Field Studies

48-216 hours lab; 1-4 units

Grading: Letter Grade Only

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent

This course is a field study of the fashion industry. Emphasis is placed on field trip outings to a variety of fashion merchandising and design businesses in San Diego and Los Angeles, and/or other domestic markets. This course is designed for students majoring in fashion and those who wish to explore employment opportunities in the fashion industry.

FT; AA/as; CSU.

FASH 156 International Fashion Field Studies: Overview

48-216 hours lab; 1-4 units

Grading: Letter Grade Only

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent

This course is a field study of the international fashion industry. Emphasis is placed on an overview of the international fashion world with visits to textile, manufacturing, design, merchandising and retail operations abroad. This course is designed for students majoring in fashion who wish to experience fashion from a global perspective.

FT; AA/as; CSU.

FASH 157 International Field Studies: Focused Study

48-216 hours lab; 1-4 units

Grading: Letter Grade Only

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent

This course is a field study of special topics in the international fashion industry. Emphasis is placed on expanding one's knowledge in a focused way through experiences abroad with global fashion design, merchandising, technology and business operations. This course is intended for students majoring in fashion who wish to explore an area of the international fashion industry in greater depth.

FT; AA/as; CSU.

FASH 158 Fashion Field Studies: Trade Shows/Markets

48-216 hours lab; 1-4 units

Grading: Letter Grade Only

Prerequisite: FASH 105 with a Grade of "C" or better, or equivalent

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent

Advisory: Completion of or concurrent enrollment in:

FASH 110 with a Grade of "C" or better, or equivalent or FASH 190 with a Grade of "C" or better, or equivalent or FASH 130 with a Grade of "C" or better, or equivalent or FASH 140 with a Grade of "C" or better, or equivalent

This course is a study of fashion industry trade shows. Emphasis is placed on field trip outings to a variety of domestic fashion industry trade shows. This course is designed for students majoring in fashion and those who wish to explore the resources available for fashion designers, retailers, buyers and manufacturers.

FT; AA/as; CSU.

FASH 160 Millinery Techniques**16-18 hours lecture; 1 unit****Grading:** Letter Grade Only

This course is a study of millinery design. Emphasis is placed on the use of millinery techniques to create a brimless hat. This course is for all students preparing for a career in the fashion industry, costume design, or millinery or anyone interested in hat making.

FT; AA/as; CSU.**FASH 161 Millinery Flat Pattern Design****16-18 hours lecture; 1 unit****Grading:** Letter Grade Only

This course is a study of millinery design through flat pattern making. Students design and construct hats by utilizing a pattern to create a variety of styles. This course is designed for students preparing for a career in the fashion industry, costume design or millinery, and any student interested in hat making.

FT; AA/as; CSU.**FASH 162 Millinery Blocking****16-18 hours lecture; 1 unit****Grading:** Letter Grade Only

This course is a study of millinery design through blocking techniques. Students construct an original hat design using the blocking techniques. This course is designed for students preparing for a career in the fashion industry, costume design, or millinery and anyone interested in hat making.

FT; AA/as; CSU.**FASH 166 Fitting Techniques and Alterations****48-54 hours lecture; 3 units****Grading:** Letter Grade Only

Prerequisite: FASH 130 with a Grade of "C" or better, or equivalent and FASH 130L with a Grade of "C" or better, or equivalent and FASH 140 with a Grade of "C" or better, or equivalent

This course covers the process of fitting patterns to the body. Topics include taking accurate body measurements, pattern alterations, solving typical fit issues, and altering ready-to-wear (RTW) for fit. This course is intended for fashion design majors and professionals who want to update their technical skills.

FASH 168 Textiles**48-54 hours lecture; 3 units****Grading:** Letter Grade Only

Limitation on Enrollment: This course is not open to students with previous credit for CONF 140.

This course includes core information, analysis and testing of natural and man-made fibers, yarn and textile construction, fabric finishing and design. Challenges in identification, selection, use and care of textiles is covered. This course is intended for students majoring in Fashion Merchandising or Fashion Design, as well as for those who desire to be better consumers of textile products.

FT; AA/as; CSU.**FASH 169 Textile Design Practicum****40-45 hours lecture/24-27 hours lab; 3 units****Grading:** Letter Grade Only

This course covers an in-depth study and execution of skills utilized create original textile fabrics and embellishments. Emphasis is placed on the historical and current traditions of design and the practical techniques required to create and embellish fabrics. Students will execute a variety of techniques through the creation of projects in the areas of dyeing, printing, and surface design. This course is intended for students interested in creating original fabrics for use in fashion, theatre and interiors.

FT; AA/as; CSU.**FASH 170 Textile Design****16-18 hours lecture; 1 unit****Grading:** Letter Grade Only

Limitation on Enrollment: This course is not open to students with previous credit for FASH 265

This course covers a variety of textile and surface design techniques that are used to create original textile fabrics. Emphasis is placed on textile design terminology as well as dyeing, printing, and surface embellishment techniques. This course is intended for students interested in creating original fabrics for use in fashion, theatre and interiors.

FASH 171 Computer Flat Pattern Design I**48-54 hours lecture; 3 units****Grading:** Letter Grade Only

Prerequisite: FASH 140 with a Grade of "C" or better, or equivalent

This course is a study of pattern drafting by computer utilizing software designed for small business use. Emphasis is placed on various approaches to garment design and pattern drafting. Topics include comparisons between hand-drafting techniques and computer-aided techniques, pattern packet preparation and copying ready-to-wear garments. This course is intended for fashion design students and students interested in creating original patterns for small business purposes.

FT; AA/as; CSU.

FASH 172 Computer Flat Pattern Design II**48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Prerequisite:** FASH 171 with a Grade of "C" or better, or equivalent

This course is a study of pattern drafting by computer utilizing industrial software for apparel production in the fashion industry. Emphasis is placed on expanding one's knowledge in computer patterning, with a focus on digital patterning and drafting techniques. Students may utilize computer peripherals to facilitate the pattern drafting process. This course is intended for fashion design students, who wish to explore computer patterning in greater depth.

FT; AA/as; CSU.**FASH 173 Fashion Marketing on the Internet****16-18 hours lecture; 1 unit****Grading:** Letter Grade Only**Prerequisite:** FASH 105 with a Grade of "C" or better, or equivalent**Advisory:** FASH 175 with a Grade of "C" or better, or equivalent and FASH 111 with a Grade of "C" or better, or equivalent

This course is a study of fashion marketing on the Internet. Emphasis is placed on the development of webpages and a survey of social media used to promote business in the fashion field. Students develop a marketing plan and web site structure for a fashion-oriented business and create a simple web site that effectively markets a fashion or design product. This course is intended for fashion students and anyone interested in promoting a fashion business.

FT; AA/as; CSU.**FASH 175 Computer Fashion Design: Adobe Photoshop****32-36 hours lecture/48-54 hours lab; 3 units****Grading:** Letter Grade Only

In this class, students draw and design apparel garments and fashion illustrations by computer utilizing Adobe Photoshop. Emphasis is placed on computer graphic techniques that facilitate fashion design, fabric development and rendering, and garment merchandising. Students build digital presentations and utilize a variety of digital imagery sources as aids to the design process. This course is designed for students majoring in the fashion design and merchandising and all students interested in design and computer graphics.

FT; AA/as; CSU.**FASH 176 Computer Fashion Design: Adobe Illustrator****32-36 hours lecture/48-54 hours lab; 3 units****Grading:** Letter Grade Only

This course offers hands-on instruction on the use of Adobe Illustrator software to design fashion drawings and technical drawings pertaining to fashion. Computer techniques involving object-oriented design include fashion figure and flat garment drawing, fabric design/rendering and technical drawing. Students integrate image processing and presentation software, digital and other peripheral equipment with Illustrator. This course is intended for fashion and computer fashion technology students and anyone interested in design and computer graphics.

FT; AA/as; CSU.**FASH 178 Computer Publishing and Portfolio****32-36 hours lecture/48-54 hours lab; 3 units****Grading:** Letter Grade Only

This course is a practical study of graphic and publishing software used to create fashion brochures, flyers, newsletters, business materials and other documents related to fashion marketing and promotion. Students prepare electronic presentations and portfolios. This course is intended for all students in the design field.

FT; AA/as; CSU.**FASH 179 Fashion Photo Styling****48-54 hours lecture; 3 units****Grading:** Letter Grade Only

This course is a practical study of photo styling and the role of photography in fashion marketing. Emphasis is placed on simulating the daily work of a photo stylist, including styling techniques, self-promotion and business management. Students create a portfolio of work based on common photo styling projects. This course is designed for students majoring in the fashion field.

FT; AA/as; CSU.**FASH 190 Fashion Entrepreneurship****48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This course is a practical study of the procedures associated with starting a business in the fashion industry. Emphasis is placed on an analysis of the pros and cons of running a fashion business as well as on the practicalities of converting ideas into a successful business plan for a profitable venture. This course is designed for students majoring in Fashion Design or Merchandising and anyone interested in starting a new business in a fashion related business.

FT; AA/as; CSU.

FASH 270 Work Experience**54 - 216 hours other; 1-4 units****Grading:** Letter Grade Only

This course is on-the-job learning experiences for students employed in a job related to fashion. One unit of credit may be earned for every 54 hours of work experience. A maximum of fourteen credit hours for all work experience subject areas may be earned during one enrollment period.

FASH 290 Independent Study**48 - 162 hours other; 1-3 units****Grading:** Letter Grade Only

Advisory: FASH 130 with a Grade of "C" or better, or equivalent or FASH 140 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: Obtain Permission Number from Instructor

This course is designed for students who wish to research and create special fashion-related projects. It is not intended to replace an existing course in the discipline. In this course students have a written contract with their instructor for activities such as: preparing problem analyses, engaging in primary research, preparing reports, and meeting with the instructor at specific intervals.

FERM-Fermentation**FERM 101 Introduction to Yeast and Fermentation****48-54 hours lecture; 3 units****Grading:** Letter Grade Only

This foundation course focuses on yeast and fermentation science through the eyes of a beverage maker. The importance of yeast in the beverage-making profession, and how it creates the flavor and form are explored. Review of fundamental principles of biology and culture of the grapevine, harvest and wine making process are discussed. The raw ingredients associated with the brewing and distilling process are introduced. This course is designed for students enrolled in the Fermentation Management program and for the beginning brewer, winemaker or spirits enthusiast.

FT; AA/as; CSU; UC.**FERM 110 Importing and Distribution****48-54 hours lecture; 3 units****Grading:** Letter Grade Only

Advisory: FERM 101 with a Grade of "C" or better, or equivalent

This course is an overview of the journey from producer to market to fully understand what wineries look for in order to get their products to market. Students learn the many intricacies of setting up an import business, including licensing, shipping and logistics. Students also learn about distribution, what it takes to get it and to keep it, including marketing, training and relationship-building. This course is designed for students enrolled in the Fermentation Management program and for the beginning brewer, winemaker or spirits enthusiast.

FT; AA/as; CSU.**FERM 120 Fundamentals of Spirits****32-36 hours lecture; 2 units****Grading:** Letter Grade Only

Advisory: FERM 101 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: Following state licensing regulations for tasting, students enrolled in the course must be 18 years or older.

This course looks at the process of distilling multiple spirits and gives insights on how distilling has progressed throughout history. It is a taste of what is to come for the beginner distiller. This course is designed for students in the Fermentation Science program.

FT; AA/as; CSU.**FERM 130 Flavor and Form****32-36 hours lecture; 2 units****Grading:** Letter Grade Only

Advisory: FERM 101 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: Following state licensing regulations for tasting, students enrolled in the course must be 18 years or older.

This course is an examination of the history, community and business of beer, wine and spirits in hospitality management, from its international beverage markets to the small craft distributors. Comprehension of styles, regions, processes and food pairings are explored through weekly tastings and sensory applications of the principles of beverage making. An examination of the economic impact of beverage on the hospitality industry is also included. This course is designed for students enrolled in the Fermentation Management program.

FT; AA/as; CSU.

FERM 140 Beer Production Laboratory

192-216 hours lab; 4 units

Grading: Letter Grade Only

Corequisite: Completion of or concurrent enrollment

in: FERM 101 with a Grade of "C" or better, or equivalent

Advisory: BUSE 115 with a Grade of "C" or better, or equivalent or MATH C1000 with a Grade of "C" or better, or equivalent or MATH 116 with a Grade of "C" or better, or equivalent and CHEM 111 with a Grade of "C" or better, or equivalent and CHEM 111L with a Grade of "C" or better, or equivalent or CHEM 152 with a Grade of "C" or better, or equivalent and CHEM 152L with a Grade of "C" or better, or equivalent

Limitation on Enrollment: Following state licensing regulations for tasting, students enrolled in the course must be 18 years or older.

This course is designed to introduce students to scientific principles of beer and the brewing process. The complexities of the brewing process, including ingredients, methods, biology and chemistry, are explored. This course is designed for students in the Fermentation Management program.

FT; AA/as; CSU.

FILI-Filipino

FILI 100 Filipino American Experience

48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent or ENGL 105 with a Grade of "C" or better, or equivalent

This course is an overview of the history, cultures, values, contributions, experiences, and social struggles of Filipinos in America. Students apply theory and knowledge produced by the Filipino American community to analyze the history and lived experiences of Filipino Americans in relation to integration, acculturation, social struggles, and ethnic identity and affirmation. Students also critically evaluate the role of race and racism in Filipino American communities and experiences as well as the relevance of resistance, racial and social justice, and solidarity to current U.S. institutions and structures. This course is intended for anyone interested in the field of Ethnic Studies or the history and experiences of Filipino Americans.

FT; AA/as; CSU; UC.

FREN-French

FREN 101 First Course in French**80-90 hours lecture; 5 units****Grading:** Letter Grade or Pass/No Pass**Limitation on Enrollment:** This course is not open to students with previous credit for FREN 100

This course is a first semester course in French and is designed to introduce students to the French language and cultures of the French-speaking world. In this interactive course, students use the language by speaking, listening, reading, and writing at the novice level. Basic language structures and vocabulary for communication are examined and explored in French. This course is designed for students majoring in French and all students interested in the French language.

FT; AA/as; CSU; UC.**FREN 102 Second Course in French****80-90 hours lecture; 5 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** FREN 101 with a Grade of "C" or better, or equivalent or two years of high school French.

This course is a second semester course in French and is intended for students interested in further study of the French language and cultures of the French-speaking world. In this interactive course, students use listening, reading, speaking, and writing at a more complex level than in the first course. The students further develop their receptive and productive competencies to the high-novice/low-intermediate level. Additional language structures and vocabulary for communication are examined and explored in French. This course is designed for students majoring in French and all students interested in the French language.

FT; AA/as; CSU; UC.**FREN 201 Third Course in French****80-90 hours lecture; 5 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** FREN 102 with a Grade of "C" or better, or equivalent or three years of high school French

This is an intermediate course in French. Language structures and vocabulary for communication are examined and explored through speaking, listening, reading and writing at the intermediate level. Students explore in more depth than in previous courses the history and the culture of the French-speaking world. This course is appropriate for students preparing for a major in French as well as for those who wish to continue their studies of the French language and culture.

FT; AA/as; CSU; UC.**FREN 202 Fourth Course in French****80-90 hours lecture; 5 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** FREN 201 with a Grade of "C" or better, or equivalent or four years of high school French

This is an advanced-intermediate course and is the fourth course in the French language sequence. In this interactive course, language structures and vocabulary for communication are examined and studied through speaking, listening, reading and writing at the high-intermediate level. Students continue to explore the history and the culture of the French-speaking world. Readings of literary and culturally relevant authentic materials are examined in depth. This course is designed for students preparing for a major in French as well as for those who have a strong interest in the French language and culture.

FT; AA/as; CSU; UC.**FREN 210 Conversation and Composition in French I****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** FREN 102 with a Grade of "C" or better, or equivalent or successful completion of three years of high school French.

This course further develops oral comprehension and fluency as well as written communication at a mid-intermediate level in French through culturally relevant materials. Students develop spoken and written vocabulary, dramatize everyday topics of conversation, interpret and describe materials, and compare and contrast the cultures of the French speaking world with U.S. culture both orally and in writing. Writing strategies are emphasized and literature is introduced. This course is intended for students who want to enhance their skills in the French language.

FT; AA/as; CSU; UC.**FREN 211 Conversation and Composition French II****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** FREN 210 with a Grade of "C" or better, or equivalent

This course develops oral comprehension and fluency as well as written proficiency in French at an advanced-intermediate level through reading, analyzing, discussing, and reporting on culturally relevant materials. Students develop oral and reading vocabulary skills, study the cultures of the French-speaking world, and further develop the reading strategies introduced in French 210 through reading literature. This course is intended for students who want to further enhance their skills in the French language.

FT; AA/as; CSU; UC.

FREN 290 Independent Study

48 - 162 hours other; 1-3 units

Grading: Letter Grade or Pass/No Pass

Limitation on Enrollment: Obtain Permission Number from Instructor

This course is designed for intermediate students who wish to work on special projects and to further develop further their skill in communication in French. It is not intended to replace an existing course in the discipline. In this course students have a written contract with their instructor for activities such as: preparing problem analyses, engaging in primary research and preparing reports.

GEOG-Geography

GEOG 101 Physical Geography

48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

This course is a spatial study of the Earth's dynamic physical systems and processes. Topics include the natural environment and nature-society interactions with an emphasis on scientific literacy and critical thinking. The course covers classification and analysis of spatial patterns of weather, climate, climate change and the enhanced greenhouse effect, the water cycle, landforms, and the distribution of living organisms. This course also addresses environmental issues in geography and sustainability. The course develops students' spatial analysis skills using maps, Geographic Information Systems (GIS), the Global Positioning System (GPS), and remote sensing imagery. This course is intended for social science majors, sustainability majors, or anyone seeking an understanding of Earth's physical systems and human impacts on the natural environment.

FT; AA/as; CSU; UC; C-ID: GEOG 110.

GEOG 101L Physical Geography Laboratory

48-54 hours lab; 1 unit

Grading: Letter Grade Only

Corequisite: Completion of or concurrent enrollment

in: GEOG 101 with a Grade of "C" or better, or equivalent

This course requires practical observations and applications of the geographic grid, atlases, and topographic maps, weather and climate, natural vegetation and soils, and landforms. This includes exercises in remote sensing and computer tools for data analysis, including Google Earth and Geographic Information Systems (GIS). This course is designed for students interested in geography, geology, or Earth science.

FT; AA/as; CSU; UC; C-ID: GEOG 111.

GEOG 102 Cultural Geography

48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent or ENGL 105 with a Grade of "C" or better, or equivalent

This course is an introduction to thematic cultural geography. Emphasis is placed on population, race, language, religion, settlement patterns, political organization, economic activities, industry, and the regional distribution of these elements. This course is for students interested in thematic cultural geography or Social Science majors.

FT; AA/as; CSU; UC; C-ID: GEOG 120.

GEOG 104 World Regional Geography

48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent or ENGL 105 with a Grade of "C" or better, or equivalent

This course is a survey of the world's major geographical regions, including Europe, North America, Latin America, Africa, Australia, Oceania, and South, East, and Southeast Asia. Emphasis is placed on the historical, environmental, cultural, economic, and technological factors that impact these geographical areas. This course is intended for students majoring in Geography and all students interested in world geography.

FT; AA/as; CSU; UC; C-ID: GEOG 125.

GEOG 154 Introduction to Urban Geography**48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This course is a survey of urban geography. Students apply a multidisciplinary approach to investigate and assess urban issues at various scales. Topics include the origins of the city, globalization, urban planning, social justice, and sustainability. This course is designed for students interested in geography, anthropology, sustainability, public administration, urban planning, architecture, and landscape architecture.

FT; AA/as; CSU; UC.**GEOG 175 Sustainable Places and Practices****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This course analyzes sustainability from a geographic perspective using case studies to illustrate sustainable practices from local to global scales. Case studies focus on current sustainable practices in industries such as energy, transportation, and water resources. Using climate and environmental justice frameworks, students evaluate nature-society relationships across different cultures. This course is intended for students interested in environmental issues and sustainability as well as those majoring in Geography or Sustainability.

FT; AA/as; CSU; UC.**GEOG 205 Critical Thinking and Writing in Geography****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** ENGL C1000 with a Grade of "C" or better, or equivalent or ENGL 105 with a Grade of "C" or better, or equivalent

This seminar course is designed to develop students' critical thinking, research, and writing skills in preparation for upper-division coursework. The course emphasizes the interconnectedness of people and places using an interdisciplinary lens that bridges the social and natural sciences. The course covers reasoning techniques, geographic methodologies, the analysis of bias, logical fallacies, and cultural humility. Writing assignments focus on critical reasoning, inquiry-driven research, and argumentative writing for specific geography-related outlets. The evaluation of sources based on currency, relevance, credibility, and other measures contribute to the development of geographic research skills. This course is designed for students who want to expand their knowledge on important global issues, gain information literacy, advance their critical thinking skills, and hone their writing skills.

FT; AA/as; CSU; UC.**GEOG 290 Independent Study****48 - 162 hours other; 1-3 units****Grading:** Letter Grade or Pass/No Pass**Limitation on Enrollment:** Obtain Permission Number from Instructor

This course is for students who wish to conduct additional research, a special project, or learning activities in the field of geography. It is not intended to replace an existing course in the discipline. In this course students have a written contract with their instructor for activities such as: preparing problem analyses, engaging in primary research, preparing reports, and meeting with the instructor at specific intervals.

GEOL-Geology

GEOL 100 Physical Geology**48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory: Concurrent enrollment in:** GEOL 101

This course is an introduction to the science of the earth, the materials of which it is composed, and the processes that are acting upon it. Topics include plate tectonics and Earth's internal structure; the formation and classification of minerals and rocks; geologic structures; and geologic processes of the earth's surface and subsurface. This course is intended for students with a general interest in the geological sciences as well as those majoring in geology, earth science, or geological engineering.

FT; AA/as; CSU; UC; C-ID: GEOL 100.**GEOL 101 Physical Geology Laboratory****48-54 hours lab; 1 unit****Grading:** Letter Grade or Pass/No Pass**Corequisite: Completion of or concurrent enrollment in:** GEOL 100 with a Grade of "C" or better, or equivalent

This laboratory course is a practical study of mineral and rock identification; landforms; topographic/geologic map interpretation; and geologic structures. It is intended for students with a general interest in the geological sciences as well as those majoring in geology, earth science, or geological engineering.

FT; AA/as; CSU; UC; C-ID: GEOL 100L.**GEOL 104 Earth Science****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass

This course is a survey of Earth's major physical systems, including the lithosphere, hydrosphere, atmosphere, and Earth's place in the solar system. Emphasis is placed on a synthesis of pertinent topics in geology, physical geography, oceanography, meteorology, and astronomy. This course is intended for those with a general interest in the Earth sciences.

FT; AA/as; CSU; UC; C-ID: GEOL 120.**GEOL 111 Dinosaurs, Mass Extinctions, and Earth History****48-54 hours lecture/48-54 hours lab; 4 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent or ENGL 105 with a Grade of "C" or better, or equivalent and GEOL 100 with a Grade of "C" or better, or equivalent or GEOL 104 with a Grade of "C" or better, or equivalent

This course covers the principles of historical geology. Topics include the origin and evolution of the Earth and biosphere, dinosaurs, mass extinctions, fossils, plate tectonics, biological evolution, and geologic dating techniques. This course is intended for students with a general interest in geoscience, as well as those majoring in geology, geography, earth science, or geological engineering.

FT; AA/as; CSU; UC; C-ID: GEOL 111.**GEOL 120 Earth Science Laboratory****48-54 hours lab; 1 unit****Grading:** Letter Grade or Pass/No Pass**Corequisite: Completion of or concurrent enrollment in:** GEOL 104 with a Grade of "C" or better, or equivalent

This is a laboratory course related to the essentials of Earth Science including the geosphere, atmosphere, hydrosphere and Earth's place in the solar system. This course focuses on the physical and chemical systems of the Earth such as the tectonic cycle, rock cycle, hydrologic cycle, weather, and climate. This course is designed for teacher education students and anyone with a general interest in Earth Science.

FT; AA/as; CSU; UC; C-ID: GEOL 120L.**GEOL 130 Field Geology of San Diego County****48-54 hours lecture/48-54 hours lab; 4 units****Grading:** Letter Grade Only**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent and GEOL 100 with a Grade of "C" or better, or equivalent or GEOL 101 with a Grade of "C" or better, or equivalent or GEOL 104 with a Grade of "C" or better, or equivalent or GEOL 120 with a Grade of "C" or better, or equivalent or OCEA 101 with a Grade of "C" or better, or equivalent

This course explores the geologic history and plate tectonic evolution of San Diego County. Emphasis is placed on the geology of various regions, including the coastal plain, Peninsular Ranges, and Salton Trough. Through lectures, laboratory activities, and field trips, students will gain a deeper understanding of the processes that have shaped these areas. Topics include plate tectonic theory, regional geology, rocks and minerals, map and compass work, geo-spatial data collection, and geologic report writing. This course is intended for those with an interest in field geology.

FT; AA/as; CSU; UC.

GEOL 290 Independent Study

48 - 162 hours other; 1-3 units

Grading: Letter Grade or Pass/No Pass

Advisory: GEOL 100 with a Grade of "C" or better, or equivalent and GEOL 101 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: Obtain Permission Number from Instructor

This course is for students who wish to conduct additional research, a special project, or learning activities in the field of geology. It is not intended to replace an existing course in the discipline. In this course students will have a written contract with their instructor for activities such as preparing problem analysis, engaging in primary research, preparing reports, and meeting with the instructor at specific intervals.

FT; AA/as; CSU.

GERM-German

GERM 101 First Course in German

80-90 hours lecture; 5 units

Grading: Letter Grade or Pass/No Pass

Limitation on Enrollment: This course is not open to students with previous credit for GERM 100

This entry level course introduces students to the German language and cultures of the German-speaking world. In this interactive course, students learn and use the language by speaking, listening, reading, and writing at the novice level. They also examine and explore basic German language structures and vocabulary. This course is intended for beginning students who seek basic proficiency in the German language, students who want to take other German courses, and students who want to learn German for their personal enrichment.

FT; AA/as; CSU; UC.

GERM 102 Second Course in German

80-90 hours lecture; 5 units

Grading: Letter Grade or Pass/No Pass

Prerequisite: GERM 101 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for GERM 100

This interactive course is the second in the German language series. Students use increasingly complex German language structures to speak, listen, read, and write in cultural context at the novice-high level. This course is intended for all students interested in gaining proficiency in the German language for academic purposes and/or personal enrichment.

FT; AA/as; CSU; UC.

GERM 201 Third Course in German

80-90 hours lecture; 5 units

Grading: Letter Grade or Pass/No Pass

Prerequisite: GERM 102 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for GERM 200

This interactive course is the third in the German language series. Students use increasingly complex language structures and vocabulary to develop the functional competence required to communicate beyond survival needs and to discuss and express opinions on abstract topics related to the arts, lifestyle, linguistics, and literature at the intermediate level. This course is intended for students majoring in German and anyone interested in gaining proficiency in the German language for academic purposes and /or personal enrichment.

FT; AA/as; CSU; UC.

GERM 290 Independent Study

48 - 162 hours other; 1-3 units

Grading: Letter Grade or Pass/No Pass

Limitation on Enrollment: Obtain Permission Number from Instructor

This course is designed for intermediate students who wish to work on special projects and to further develop their skill in communication in German. It is not intended to replace an existing course in the discipline. In this course students have a written contract with their instructor for activities such as: preparing problem analyses, engaging in primary research, preparing reports, and meeting with the instructor at specific intervals.

GISG-Geographic Information Systems

GISG 104 Geographic Information Science and Spatial Reasoning

40-45 hours lecture/24-27 hours lab; 3 units

Grading: Letter Grade Only

Prerequisite: Successful completion of Intermediate Algebra with a grade of C or better or appropriate placement based on California Title 5 regulations.

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent

This course is an introduction to Geographic Information Systems (GIS). Emphasis is placed on the fundamental concepts of GIS. Topics include an overview of cartography, remote sensing, and global positioning systems (GPS) as well as GIS data sources, implementation steps, spatial analysis, and applications in government and business. Students are provided the hands-on experience required to visualize information and identify spatial patterns. This course is designed for all students interested in GIS and for professionals who want to know how to use GIS to better understand and analyze geographic data in their field.

FT; AA/as; CSU; UC; C-ID: GEOG 155.

GISG 110 Introduction to Mapping and Geographic Information Systems

40-45 hours lecture/24-27 hours lab; 3 units

Grading: Letter Grade or Pass/No Pass

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent or ENGL 105 with a Grade of "C" or better, or equivalent

This course is a practical study of Geographic Information Systems (GIS). Emphasis is placed on the use of ArcGIS software to map, analyze, and model geographic information relevant to fields such as forestry, economics, cartography, city planning, and health. Topics include map making, GIS data creation and management, and map projections and coordinate systems. This course is designed for students majoring in geographic information systems and professionals in the field who want to update their skills.

FT; AA/as; CSU; C-ID: GEOG 155.

GISG 111 Geographic Information Systems and Cartography

40-45 hours lecture/24-27 hours lab; 3 units

Grading: Letter Grade or Pass/No Pass

Prerequisite: GISG 110 with a Grade of "C" or better, or equivalent

This course is designed for students who possess a basic background in Geographic Information Systems (GIS). Learning in this course focuses on cartographic principles of map design, production, and evaluation through the application of hands-on activities using ArcGIS software. Topics covered include data acquisition methods used in map production (Global Positioning Systems/GPS, scanning, and georeferencing of data); spatial analysis techniques (using geoprocessing); and GIS project planning techniques. Cartographic tools and enhancements such as map layout, symbology, and labeling are emphasized. Students will apply project management skills to a class project.

FT; AA/as; CSU.

GISG 112 Spatial Analysis with Geographic Information Systems

40-45 hours lecture/24-27 hours lab; 3 units

Grading: Letter Grade Only

Prerequisite: GISG 111 with a Grade of "C" or better, or equivalent

This course teaches intermediate geographic information systems (GIS) concepts and spatial analysis techniques, focusing on raster data and surfaces. Emphasis is placed on hands-on exercises using GIS software and on the functionality of GIS as an effective tool for modeling and analyzing complex GIS surfaces. This course is intended for students earning a certificate or degree in GIS and/or for GIS professionals who wish to gain more experience with spatial analysis and working with raster data for both 2D and 3D surfaces.

FT; AA/as; CSU.

GISG 113 Advanced Geographic Information Systems Applications

40-45 hours lecture/24-27 hours lab; 3 units

Grading: Letter Grade Only

Prerequisite: GISG 112 with a Grade of "C" or better, or equivalent

This course introduces students to advanced topics, techniques, and applications of geographic information systems (GIS) spatial analyses and customizations. Emphasis is placed on using advanced GIS software for spatial analysis, visualization, interpretation, and statistics. Students use real-world data and apply one or more advanced applications to class project analyses to evaluate GIS analysis as a tool in the decision-making process. Students gain a knowledge of, and experience in using, advanced software applications. More advanced class projects may incorporate scripting and modeling. This course is intended for students who have achieved an intermediate level of knowledge and experience in GIS.

FT; AA/as; CSU.

GISG 114 Spatial Databases in Geographic Information Systems

40-45 hours lecture/24-27 hours lab; 3 units

Grading: Letter Grade or Pass/No Pass

Prerequisite: GISG 111 with a Grade of "C" or better, or equivalent

This course focuses on the development and application of spatial database models and processing techniques. Students of Geographic Information Systems (GIS) who wish to gain exposure to emerging data structures and methods via problem-based learning benefit from this course. The course deals with conceptual issues in spatial database development, analysis, display, and designing and creating spatial databases. Students work with a variety of GIS data types and edit GIS data within the geodatabase environment, with emphasis on real-world applications. The class project focuses on the design, creation and use of a geodatabase to solve a problem.

FT; AA/as; CSU.

GISG 130 Introduction to Remote Sensing

40-45 hours lecture/24-27 hours lab; 3 units

Grading: Letter Grade or Pass/No Pass

Advisory: GISG 111 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for GISG 120

This course introduces students to the basics of remote sensing, characteristics of remote sensors, and remote sensing applications in academic disciplines and professional industries. Emphasis is placed on image acquisition and data collection in the electromagnetic spectrum and data set manipulations. This course is designed for geographic information systems (GIS) students interested in imagery analysis.

FT; AA/as; CSU.

GISG 131 Introduction to Digital Image Processing

40-45 hours lecture/24-27 hours lab; 3 units

Grading: Letter Grade or Pass/No Pass

Advisory: GISG 111 with a Grade of "C" or better, or equivalent and GISG 130 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for GISG 121

This course introduces students to concepts related to processing, analysis, enhancement, correction, and interpretation of remotely sensed images. Emphasis is placed on photogrammetry, image acquisition, information extraction, scientific visualization and practical applications for geospatial professionals. This course is designed for geographic information systems (GIS) students interested in analysis of remotely sensed images.

FT; AA/as; CSU.

GISG 270 Geographic Information Systems Work Experience

54 - 216 hours other; 1-4 units

Grading: Letter Grade Only

Prerequisite: GISG 111 with a Grade of "C" or better, or equivalent

This course is a directed field study where students apply classroom instruction to real world Geographic Information Systems (GIS) projects in the community. Students arrange for faculty and department chair approval prior to enrolling in work experience. Students are supervised by a college faculty member while participating in a short-term work experience/internship program in a business or government agency that uses GIS. Work experience students meet periodically with their assigned faculty member, complete interim reports and present a final report. One unit of credit may be earned for every 54 hours of work experience. A maximum of fourteen credit hours for all work experience subject areas may be earned during one enrollment period.

FT; AA/as; CSU.

HEAL-Health Education

HEAL 101 Health and Lifestyle

48-54 hours lecture; 3 units

Grading: Letter Grade Only

This course covers aspects of mental, emotional, social, environmental, spiritual, and physical health. Emphasis is placed on knowledge for developing the attitude, understanding, and practice of a preventive lifestyle for healthy living and optimal wellness. Topics include chronic diseases, physical activity, nutrition, weight management, birth control methods, human sexuality, alcohol, tobacco and illicit chemical use, stress, and factors that contribute to wellness and longevity. Experience in personal health assessment and the changing of health behaviors is stressed. This course is intended for all students seeking a healthy lifestyle as well as those pursuing a teaching credential. It satisfies the State of California teaching credential Health Education requirement.

FT; AA/as; CSU; UC.

HEAL 103 Introduction to Public Health

48-54 hours lecture; 3 units

Grading: Letter Grade Only

This course introduces the concepts, terminology, and functions of public health professions and institutions. Various public health professions and agencies will be examined, as well as the role of public health professionals within the overall health care system. Public health applications of epidemiology, disease prevention, and health promotion will be analyzed. Infectious diseases, chronic diseases, and mental illness will be addressed with respect to epidemiology, prevention, and promotion. The social determinants of health and their impact on health disparities will be covered with respect to environmental health, global health, and healthcare policy and management. This course is intended for students in the Health and Wellness Coaching Program and for students interested in Public Health.

FT; AA/as; CSU; UC.

HEAL 104 Public Health and Social Justice**48-54 hours lecture; 3 units****Grading:** Letter Grade Only

This course provides an introduction to the health inequities in the United States and other nations that stem from unequal living, social, and economic conditions. Students will learn and synthesize information concerning the impact of the social determinants of health including, education, socioeconomic status, race, sexual orientation, disability, and gender. The roles of public health, government, and private sector policies on health outcomes will be compared and contrasted. Students will explore opportunities for health promotion and advocacy in the local community. This course is intended for students in the Health and Wellness Program and those interested in Public Health.

FT; AA/as; CSU; UC.**HEAL 107 Lifestyle Medicine for Health and Wellness****48-54 hours lecture; 3 units****Grading:** Letter Grade Only

This course provides the science and application behind healthy lifestyle interventions for the prevention and treatment of chronic, lifestyle-related diseases such as cardiovascular disease, diabetes, cancer, and other chronic conditions. Lifestyle medicine connects the science of physical activity, nutrition, stress resiliency, sleep hygiene, and behavior change to the advancement of total person mental, emotional, and physical wellbeing. This course offers students the evidence-based knowledge and practical strategies to instill healthy lifestyle behaviors in clients and patients. This course is intended for students completing certification in the Health and Wellness Coaching Program.

FT; AA/as; CSU.**HEAL 131 Emergency Medical Response****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass

This course is of interest to students who wish to earn the American Red Cross certifications necessary for employment as an emergency first responder. This class also satisfies the prerequisite requirement for students entering the Emergency Medical Technician (EMT) program or any educational program requiring a college level first aid class. This course follows the U.S. Department of Transportation First Responder National Standard Curriculum and meets Emergency Cardiovascular Care (ECC) Guidelines. Students successfully completing this course are eligible to test for certifications in Emergency Response (valid for 3 years), CPR/AED for the Professional Rescuer (valid for 2 years), Bloodborne Pathogens and Administering Emergency Oxygen (each valid for 1 year). This course may be repeated to renew certifications. This course is also of interest to those students that wish to receive an ADT in Kinesiology.

FT; AA/as; CSU; UC; C-ID: KIN 101.**HEAL 195 Health Education For Teachers****32-36 hours lecture; 2 units****Grading:** Letter Grade Only

Limitation on Enrollment: This course is not open to students with previous credit for Health Education for Teachers 190

This course overviews health-related issues and problems in the kindergarten through 12th grade. Topic areas include behavior modification, stress symptoms and management, physical activity, nutrition, cardiovascular disease, sexually transmitted diseases, illicit substance abuse, alcohol and nicotine use and misuse. This course satisfies the State of California Health Education requirement for the K-12 Teaching Credential. This course is intended for prospective K-12 teachers.

FT; AA/as; CSU.**HEAL 290 Independent Study****48 - 162 hours other; 1-3 units****Grading:** Letter Grade or Pass/No Pass

Limitation on Enrollment: Obtain Permission Number from Instructor

This course is for students who wish to conduct additional research, a special project, or learning activities in the field of health education. It is not intended to replace an existing course in the discipline. In this course students will have a written contract with their instructor for activities such as: preparing problem analysis, engaging in primary research, preparing reports, and meeting with the instructor at specific intervals.

FT; AA/as; CSU.

HEIT-Health Information Technology

HEIT 110 Introduction to Health Information **64-72 hours lecture; 4 units**

Grading: Letter Grade Only

This course is an introduction to the profession of Health Information Technology. It includes an overview of the American healthcare delivery system and health care professions, health information department functions, ethical and legal issues in health information technology, healthcare reimbursement, quality management, performance improvement, healthcare information systems, revenue cycle, and fraud and abuse compliance. Data governance, management, quality, analytics, and informatics as well as privacy and security regulations are discussed. The course is for Health Information Technology students.

FT; AA/as; CSU.

HEIT 130 Basic Pharmacology **16-18 hours lecture; 1 unit**

Grading: Letter Grade Only

Corequisite: Completion of or concurrent enrollment in: MEDA 115 with a Grade of "C" or better, or equivalent

This course is an introduction to pharmacology. Topics include pharmacology terminology, drug forms, routes of administration, drug categories, and mechanisms of drug action. This course is intended for students in the Health Information Technology Program and healthcare professionals who want to refresh their working knowledge of basic pharmacology.

FT; AA/as; CSU.

HEIT 136 Introduction to Health Information Systems

48-54 hours lecture; 3 units

Grading: Letter Grade Only

Limitation on Enrollment: Special Admission - must be admitted to program.

This course is an introduction to information technologies used in the management of health information in the healthcare setting. This includes software applications, data and information file structures; data security and protection of health information; and information systems planning and development life-cycle. This course is designed for students enrolled in the health information technology program and those interested in computer systems used in the health information technology field.

FT; AA/as; CSU.

HEIT 140 Fundamentals of Law for Health Information

48-54 hours lecture; 3 units

Grading: Letter Grade Only

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: Special Admission - must be admitted to program.

This course is not open to students with previous credit for HEIT 205

This course covers the legal aspects of health information management, including the American legal system, civil procedure, evidence, tort law, corporate and contract law. State, Federal and other agency rules regarding record access, retention, release of information, processing subpoenas, and confidentiality, such as HIPAA (Health Information Portability & Accountability Act) privacy and security rules, are also included. Other topics include required reporting, risk management, quality improvement, corporate compliance, medical staff, and workplace law. This course is intended for health information technology students.

FT; AA/as; CSU.

HEIT 155 Current Procedural Terminology (CPT) Coding

48-54 hours lecture; 3 units

Grading: Letter Grade Only

Prerequisite: MEDA 110 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for Health Information Technology 155C.

This introductory course for Health Information Technology students includes the use of Current Procedural Terminology (CPT) coding. The course covers the purpose of CPT, CPT Manual format, code format, and coding steps used to code from the six divisions of CPT: Evaluation & Management, Anesthesia, Surgery, Radiology, Pathology & Laboratory, and Medicine. In addition, the course includes national and category III codes. It also includes an overview of reimbursement issues involving physician and hospital payment for outpatient services. This course is also available to hospital and doctors' office employees.

FT; AA/as; CSU.

HEIT 214 ICD Coding I**32-36 hours lecture/48 hours lab; 3 units****Grading:** Letter Grade Only**Prerequisite:** MEDA 115 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for HEIT 155A (if taken after 2011).

This is the first of a two-course sequence for Health Information Technology students. It focuses on the International Classification of Diseases (ICD), the most commonly used classification system in the US for coding and reporting diagnostic inpatient and outpatient services and inpatient procedural services. Coding guidelines, conventions and reimbursement methodology are covered in this course. The student uses both the code books and computer software program.

FT; AA/as; CSU.**HEIT 215 ICD Coding II****32-36 hours lecture/48-54 hours lab; 3 units****Grading:** Letter Grade Only**Prerequisite:** HEIT 214 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for HEIT 155B (if taken after 2011)

This course is the second of a two-course sequence for Health Information Technology students. The emphasis is on advanced principles of International Classification of Diseases-Procedure Coding System (ICD-PCS), the most commonly used classification system in the US for coding and reporting inpatient procedural services. Coding guidelines, conventions and reimbursement methodology are also covered. Advanced principles include Diagnostic Related Group (DRG) case mix derivation, analysis of compliant coding, documentation improvement for correct code assignment, hospital acquired conditions, and present admission indicators that impact the code assignment and revenue cycle. The student uses both the code books and computer software program.

FT; AA/as; CSU.**HEIT 220 Principles of Leadership****32-36 hours lecture; 2 units****Grading:** Letter Grade Only**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course is not open to students with previous credit for HEIT 260

This course introduces the basic concepts of leadership including team leadership, change management, training and developing employee. Other topics include using enterprise-wide information assets in support of organizational strategies and objectives, company culture and diversity in the workplace. This course is for Health Information Technology students.

FT; AA/as; CSU.**HEIT 225 Introduction to Revenue Cycle****48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Prerequisite:** HEIT 214 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course is not open to students with previous credit for HEIT 160.

This course is an introduction to healthcare reimbursement and revenue cycle. The topics covered include the foundations of healthcare reimbursement, reimbursement methodologies and payment systems, revenue cycle process, revenue cycle management and revenue cycle analysis. This course is for Health Information Technology students.

FT; AA/as; CSU.

HEIT 256 Statistics for Healthcare**48-54 hours lecture; 3 units****Grading:** Letter Grade Only

Prerequisite: Successful completion of Intermediate Algebra with a grade of C or better or appropriate placement based on California Title 5 regulations. This course is an introductory study of statistics for health information technology. Emphasis is placed on the basic principles of data collection, descriptive statistics, probability, confidence intervals, hypothesis testing, research methods, measures of central tendency and statistical analysis of hospital and non-acute facility health data. Calculation of Health Information Management department descriptive and inferential statistics are included. In addition, the course covers the calculation of specific vital statistics as well as discharge analysis reporting. There is instruction in the preparation of monthly and annual medical, administrative, and outside agency reports utilizing tables and graphs. Practice in the interpretation of statistical reports is also provided. This course is intended for students majoring in Health Information Technology or those interested in applied statistics.

FT; AA/as; CSU.**HEIT 258 Healthcare Quality Management****48-54 hours lecture; 3 units****Grading:** Letter Grade Only

Limitation on Enrollment: Special Admission - must be admitted to program.

This course is an introduction to quality and performance management and improvement, utilization review and risk management. The course includes the purpose, principles, historical development, assessment and analysis techniques, and application and program development strategies used in quality management and improvement, utilization review and risk management activities. It also includes the integration of performance improvement activities with the medical staff appointment and reappointment process. Regulatory and privacy requirements will also be addressed. The key concepts, background and statistical tools used in the continuous quality improvement process (CQI) are also provided. This course is for Health Information Technology students.

FT; AA/as; CSU.**HEIT 266 Directed Clinical Practice****120 - 135 hours other; 2.5 units****Grading:** Letter Grade Only

Prerequisite: HEIT 110 with a Grade of "C" or better, or equivalent and MEDA 110 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: Special Admission - must be admitted to program.

This course is not open to students with previous credit for HEIT 261 or HEIT 263.

This course provides professional practice experience for students enrolled in the health information technician program and is designed to provide students with supervised onsite experience performing entry-level tasks in a health information department in an assigned affiliated healthcare organization. Students gain exposure to the organization and functions of a health information department. Experiences may include release of information, data collection and reporting, registries, and health record analysis and documentation requirements.

HIMS-Health Information Management

HIMS 405 Foundations in Health Information Management**64-72 hours lecture; 4 units****Grading:** Letter Grade Only**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course provides an advanced level perspective on topics relevant to the health information management (HIM) profession. The concepts covered in this course include an overview of emerging issues such as HIM management and training, clinical classification systems, data integrity and management, ethical standards, consumer engagement, privacy and cybersecurity, electronic health records, revenue cycle management, compliance and risk management. This course is designed for health information management majors.

FT; AA/as; CSU.**HIMS 408 Ethics in Healthcare Administration****48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course provides a comprehensive foundation for ethics in healthcare management and administration. Students gain knowledge of the theory and concepts of ethics and its application to health information and healthcare administration for them to be able to model sound decision making and ethical practice. Ethics related to the United States healthcare system around patient access, quality and cost are addressed. This course is designed for health information management majors.

FT; AA/as; CSU.**HIMS 411 Healthcare Informatics****48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course is not open to students with previous credit for HIMS 410.

This course is designed to bring together healthcare generated information and technology for the purpose of improving quality of care in a cost-effective manner. The primary concepts covered include data standards, data management, health information exchange, clinical decision support, privacy and security issues involving protected health information, emerging trends, data governance, and new technologies. This course is designed for health information management majors.

FT; AA/as; CSU.**HIMS 415 Healthcare Analytics****48-54 hours lecture/48-54 hours lab; 4 units****Grading:** Letter Grade Only**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course focuses on the analysis of data for the purpose of generating information resulting in actionable decisions. The primary concepts covered in this course include advanced health care statistics, data analysis, mining, exploration and visualizations. Microsoft Excel is utilized to analyze data and information related to clinical and business systems in healthcare. This course is designed for health information management majors.

FT; AA/as; CSU.**HIMS 418 Topics in Legal and Compliance for Healthcare Professionals****64-72 hours lecture; 4 units****Grading:** Letter Grade Only**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course focuses on the laws and regulations applicable to healthcare compliance. Topics include federal and state law enforcement and reporting requirements, risk management, audit trails, fraud detection, ethical and legal requirements related to coding, personal health record (PHR), analysis of privacy, security, and confidentiality policies and procedures. This course is designed for health information management majors.

FT; AA/as; CSU.**HIMS 420 Principles of Finance for Health Information Management****48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course covers the fundamentals of financial management in the healthcare setting. The primary concepts covered in this course include capital, operating and/or project budgets using basic accounting principles, performing cost-benefit analysis for resource planning and allocation, evaluating vendor contracts, and negotiation skills. This course is designed for health information management majors.

FT; AA/as; CSU.

HIMS 425 Revenue Cycle Management**48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course covers advanced topics in healthcare revenue cycle management. Concepts covered in this course include healthcare classification systems and terminologies, chargemaster management, revenue cycle and audit processes, utilization and resource management, and application and analysis of the relationship between clinical code assignment and reimbursement. This course is designed for health information management majors.

FT; AA/as; CSU.**HIMS 431 Human Resources Management in Healthcare****48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course is not open to students with previous credit for HIMS 430.

This course examines the complexities and multiple issues and best practices involved in human resources management in healthcare organizations. The primary concepts covered in this course include managing people in all aspects of their work, recruiting, interviewing, and hiring, compensation and benefits, motivational strategies, performance appraisals, promotions, and terminations. This course is designed for health information management majors.

FT; AA/as; CSU.**HIMS 435 Project Management in the Healthcare Setting****48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course is designed as a high-level overview of project management utilized in healthcare settings. The primary concepts in this course include project management techniques such as project selection, management, organization, planning, conflict resolution, negotiation, budgeting, scheduling, change management, business process reengineering, and termination of the project. This course is designed for health information management majors.

FT; AA/as; CSU.**HIMS 440 Leadership and Strategic Management for Healthcare Professionals****64-72 hours lecture; 4 units****Grading:** Letter Grade Only**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course examines the theory and practice of leadership, strategic management, and change management in healthcare settings. The primary concepts covered in this course include an overview of emerging issues such as business planning, organizational change, innovation, strategic planning, leadership thinking and goals, change implementation and strategies for successful transitions. This course is designed for health information management majors.

FT; AA/as; CSU.**HIMS 450 Healthcare Information Systems Analysis and Design****48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course is not open to students with previous credit for HIMS 445.

This course is designed to prepare students in the planning, analysis, design, and implementation of healthcare computer-based information systems. The concepts include system requirements, systems development lifecycle, system architecture including database design, data warehousing, workflow concepts, and systems performance management. This course is designed for health information management majors.

FT; AA/as; CSU.**HIMS 455 Applied Research Project in Health Information Management****48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course is the capstone for the health information management baccalaureate degree. This course integrates the theoretical and technical content of the health information management program courses. Ethical considerations for health information managers and information management support for biomedical research are also discussed. Concepts are integrated and applied through the analysis of case studies and the completion of a capstone project, designed by the student or instructor, supporting a local HIM community of interest. This course is designed for Health Information Management majors.

FT; AA/as; CSU.

HIMS 460 Advanced Directed Clinical Placement 70 - 75 hours other; 1 unit

Grading: Letter Grade Only

Limitation on Enrollment: Special Admission - must be admitted to program.

This course provides supervised onsite professional practice experience (PPE) for Health Information Management students. This course integrates theory and professional practice in health information management. Emphasis is placed on applying management theories to actual work settings, practice of professional behavior, ethics, and self reflection including career goals. Project topics will support a local HIM community of interest and will be designed by the student, instructor, and the PPE site manager. Note: This course may require student travel. To meet course requirements the student may be required to be available during normal business hours (i.e. 8:00 am to 5:00 pm) for site visits, conduction of professional interviews, and data gathering. This course is designed for Health Information Management majors.

FT; AA/as; CSU.

HIST-History

HIST 100 World History I

48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent

This course examines the growth of civilizations and the interrelationships of peoples of Europe, Asia, Africa, and the Americas from the birth of civilization to the eve of the Modern Period. Topics in social, intellectual, economic, and political history are covered. This course is intended for history majors and all students interested in a global historical perspective.

FT; AA/as; CSU; UC.

HIST 101 World History II

48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent

This course examines the comparative history of the world's civilizations in Africa, the Americas, Asia, and Europe from the dawn of the Modern Period (1600) to the present. Topics in social, intellectual, economic, and political history are covered. This course is intended for history majors as well as anyone seeking a global historical perspective.

FT; AA/as; CSU; UC; C-ID: HIST 160.

HIST 105 Introduction to Western Civilization I

48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent

This course is an historical survey of Western Civilization from the early human communities through the early modern period. The course is designed to introduce students to the ideas, attitudes, and institutions basic to Western Civilization through primary and secondary source material. This course is intended for students majoring in history as well as any student seeking a broad historical perspective.

FT; AA/as; CSU; UC; C-ID: HIST 170.

HIST 106 Introduction to Western Civilization II

48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent

This course is a historical survey of Western Civilization from early modernism to the present. Students are introduced to the ideas, attitudes, and institutions basic to Western Civilization. Topics include the political structures, social structures, forms of cultural expression, and patterns of change during key periods of Western history. This course is intended for history majors as well as any student seeking a broad historical perspective.

FT; AA/as; CSU; UC; C-ID: HIST 180.

HIST 109 History of the United States I**48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This course covers the history of the United States from its colonial origins through the period of Reconstruction. It provides an overview of the diverse peoples who interacted, settled, and influenced the history of the nation and its developing economic, social, and political institutions. Concentrating on class, ethnicity/race, and gender, students are required to analyze a variety of primary and secondary sources, think critically, and write thesis-based essays. This course is intended for all students interested in United States history.

FT; AA/as; CSU; UC; C-ID: HIST 130.**HIST 110 History of the United States History II****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This course covers the history of the United States from Reconstruction to the present. It provides an overview of the diverse peoples who influenced the history of the nation and its maturing economic, social, and political institutions. Concentrating on class, ethnicity/race, and gender, students are required to analyze a variety of primary and secondary sources, think critically, and write thesis-based essays. This course is intended for all students interested in United States history.

FT; AA/as; CSU; UC; C-ID: HIST 140.**HIST 115A History of the Americas I****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This course is a history of the Americas from 1500 through 1870. Emphasis is placed on a comparison of the cultural forms, political institutions, social relations, and economic structures that resulted from the interactions among people of different socially defined cultures, races, ethnicities, and social classes. Topics include the emergence of the independence movements in the Americas; political conflict and civil war in the newly independent countries; and the consolidation of stable nation states by 1870. The United States Constitution and subsequent political institutions in the United States are compared to the other newly independent countries in the Americas. This course is intended for students majoring in History and those interested in the history of the Americas.

FT; AA/as; CSU; UC.**HIST 115B History of the Americas II****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This course is a history of the Americas from 1865 to the present. Emphasis is placed on the application of classical liberalism during the late nineteenth century, construction of corporatist states during the mid-twentieth century, and the advent of neo-liberalism in the late twentieth century. Topics include the development of the California State Constitution, the expansion of commerce, and international relations among nations in the Western Hemisphere. This course is intended for students majoring in History and those interested in the history of the Americas.

FT; AA/as; CSU; UC.**HIST 120 Introduction to Asian Civilizations****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This course examines the social, cultural, and political evolution of distinct civilizations in East, South, and Southeast Asia from prehistory to the end of the sixteenth century. Emphasis is placed on topics such as the development of indigenous religions/philosophies, the rise and decline of regional kingdoms/dynasties, cultural achievements, and gender roles. This course is intended for all students interested in Asian history and culture.

FT; AA/as; CSU; UC.**HIST 121 Asian Civilizations in Modern Times****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This course examines the evolution of the distinct cultures, thought, and institutions in East, South, and Southeast Asia from the sixteenth century to the present through critical investigations into the impact of modernization on the political, social, economic, and cultural dimensions of these societies. Emphasis is placed on topics such as the first encounters with Western powers, the evolution of Western imperialism, the rise of nationalist movements and independent nation states, and their evolution and progress to the present. This course is intended for all students interested in Asian history and culture.

FT; AA/as; CSU; UC.

HIST 123 U.S. History from the Asian Pacific American Perspective**48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This course examines the global, national, and local forces that shaped the lives of Asian Pacific Islander Americans (APIA) from the 1850s to the present. Topics include labor, migration, and settlement of diverse APIA groups; national debates over legal, social, and economic inclusion and exclusion; American overseas expansion; racial and gender politics; family formation; and pan-ethnicity. California constitutionalism, state and local governments, and California state and federal government relations are also covered. This course is intended for all students interested in history, ethnic studies, and Asian American studies.

FT; AA/as; CSU; UC.**HIST 130 The Modern Middle East****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This course is a survey of modern Middle Eastern history from the Nineteenth Century to the present. Emphasis is placed on analyzing modern Middle Eastern historical events and processes within a global context. Topics include the historical development and role of Islam in the region, the 'decline' and dismemberment of the Ottoman Empire, imperialism, Arab independence movements, the Israeli-Palestinian conflict, the resurgence of Islam and the role of the United States in the region. This course is intended for history majors and all students interested in the contemporary Middle East.

FT; AA/as; CSU; UC.**HIST 131 Latin America Before Independence****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This course is a history of Latin America and the Caribbean, 1492-1810. It opens with a discussion of the pre-Encounter world and then delves into topics such as social relations, the Church's role in colonization, and resistance to colonization and slavery. Throughout the course, references are made to Latin America's and the Caribbean's roles in the emergence of a modern, global social-economic system. This course is designed for all students interested in the history of Latin America and the Caribbean.

FT; AA/as; CSU; UC.**HIST 132 Latin America Since Independence****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This course is a history of Latin America since 1810.

Lectures and discussions include issues pertinent to Latin America's past and present such as modernization, social movements, political conflicts including revolutions, and race and gender relations. Throughout the course, modern Latin American history is placed in the context of global economic, ideological, and cultural trends. This course is designed for all students interested in the history of modern Latin America and the Caribbean.

FT; AA/as; CSU; UC.**HIST 135 History of Technology****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This course provides an overview of technology in world history from the Paleolithic Era to the Present. It explores how technology shapes—and is shaped by—prevailing values, attitudes and institutions. The lectures and readings introduce students to the theories and schools in the history of technology, and how they grapple with technology's social, cultural, political and environmental implications. Students examine specific technological inventions, innovations and systems from a diverse range of geographic regions, including Asia, Europe, Africa, and the Americas. This course is intended for all students interested in technology and its influence.

FT; AA/as; CSU; UC.**HIST 141 Women in United States History I****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This course covers the history of the United States from its colonial origins through the period of Reconstruction with a special emphasis on the history and role of women. Topics include the diverse contributions of women that influenced the history of the nation and its developing economic, social, and political institutions. The course requires students to analyze a variety of materials, think critically, and write thesis-based essays. This course is intended for students interested in history or women's studies.

FT; AA/as; CSU; UC.

HIST 142 Women in United States History II**48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This course covers the history of the United States from Reconstruction to the present with a special emphasis on the history and role of women. Topics include the diverse peoples who influenced the history of the nation and its maturing economic, social and political institutions. This course requires students to analyze a variety of materials, think critically, and write thesis-based essays. It is intended for students interested in history or women's studies.

FT; AA/as; CSU; UC.**HIST 150 Native Americans in United States History I****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This course covers the history of the United States from the Pre-contact Colonial Period to the mid-nineteenth century, with an emphasis on the history of Native Americans, the development of United States Indian policy, and the interaction of divergent cultures. This course requires students to analyze a variety of materials, think critically, and develop thesis-based essays. This course is designed for anyone interested in United States and Native American history.

FT; AA/as; CSU; UC.**HIST 151 Native Americans in United States History II****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This course covers the history of the United States from the Civil War to the present, with an emphasis on Native Americans. The course demonstrates that assimilation was the basis for federal Indian policy during the late nineteenth and early twentieth centuries, and explains how self-determination and sovereignty replaced assimilation during the latter-twentieth century. Topics include the efforts to dismantle Indian trust land, Native American communal life, and indigenous cultures, termination of sovereign Indian nations, and current political tensions. Indigenous survival and revival in the latter twentieth century is a key emphasis. This course is designed for anyone interested in United States or Native American History.

FT; AA/as; CSU; UC.**HIST 154 Ancient Egypt****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This course is a study of the history, geography, literature, art, religion, and culture of ancient Egypt from the origins of Egyptian civilization to the culture's eventual decline under the dominance of foreign powers. The course is designed for all students with an interest in Egypt, the Mediterranean, and the Middle East in ancient times.

FT; AA/as; CSU; UC.**HIST 175 California History****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This course, which covers the history of California from its earliest times to the present, provides an overview of both the physical characteristics and the diverse peoples of California and how they interacted and influenced the history of this state and its economic, social, cultural, and political institutions. The course requires students to analyze a variety of materials, think critically, and write thesis-based essays. This course may be of special interest to students planning a career in education.

FT; AA/as; CSU; UC.**HIST 205 Methodology and Practice in History****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** ENGL C1000 with a Grade of "C" or better, or equivalent or ENGL 105 with a Grade of "C" or better, or equivalent

This seminar in History builds students' critical-thinking, writing, and research skills in preparation for upper-division courses at four-year colleges and universities. Although the course emphasizes historiography and historical methods, students majoring in disciplines other than History will benefit from such topics as but not limited to: objectivity; quantitative methodology; the roles of sex, gender, race and ethnicity in history; demographics, disease and public health in history; economic and technological influences on history; social and cultural history; environmental history; and the proper use and interpretation of primary sources. This course is intended for students who are interested in History while also wanting to improve critical-thinking and writing skills that can be applied across the curriculum.

FT; AA/as; CSU; UC.

HIST 290 Independent Study

48 - 162 hours other; 1-3 units

Grading: Letter Grade or Pass/No Pass

Limitation on Enrollment: Obtain Permission Number from Instructor

This course is for students who wish to conduct additional research, a special project, or learning activities in the field of history. It is not intended to replace an existing course in the discipline. In this course students have a written contract with their instructor for activities such as: preparing problem analyses, engaging in primary research, preparing reports, and meeting with the instructor at specific intervals.

HOSP-Hospitality

HOSP 101 Introduction to Hospitality & Tourism

48-54 hours lecture; 3 units

Grading: Letter Grade Only

This introductory course addresses a general overview and analyses of linkages between segments of the hospitality industry, including: history, career opportunities and service ethics, lodging products and service levels, travel and tourism, food and beverage throughout the industry segments, managed services, clubs, casinos, leisure and recreation, convention centers and meeting and event planning. The course touches on concerns related to health, safety, liability, the environment, technology, and globalization that are interrelated with the hospitality industry. Exploration of all aspects of the multifaceted hospitality and tourism industries are emphasized, including trends, future projection and employment opportunities. This overview course is designed for students interested in the hospitality industry.

FT; AA/as; CSU.

HOSP 102 Hospitality Accounting

48-54 hours lecture; 3 units

Grading: Letter Grade Only

This course is designed to provide students with an understanding of the principles of finance and accounting and to comprehend the money implications of decisions in hospitality. Because many of the measures of success and failure in the hospitality business are expressed in financial terms, this course covers the aspects of finance and accounting encountered by a non-financial hospitality employee. Basic relevant financial concepts and financial tools are introduced to improve business decision making including: how to read balance sheets, income statements, profit and loss, and cash flow statements, critical ratios and other financial measurements and to interpret what the numbers mean. This course is intended for all Event Management and Hotel Management students.

FT; AA/as; CSU.

HOSP 111 Food and Beverage Management

48-54 hours lecture; 3 units

Grading: Letter Grade Only

Advisory: Completion of or concurrent enrollment in:

HOSP 101 with a Grade of "C" or better, or equivalent and HOSP 102 with a Grade of "C" or better, or equivalent or CACM 122A with a Grade of "C" or better, or equivalent

Limitation on Enrollment: Health and Safety. Following state licensing regulations for wine tasting, students enrolled in the course must be 18 years or older.

This course is not open to students with previous credit for FOOD 140 or CACM 140

This course is designed to provide students with an understanding of food operations in the hospitality industry, its variety of operations/outlets and how to gain the skills to successfully manage these operations/outlets. Areas of study include an overview of food and beverage outlets, food service marketing, menu analysis, beverage sensory tasting, food pairing, menu and pricing strategies and performance indicators. Students analyze service standard operating procedures, types of service, food and beverage sourcing and beverage management. Sanitation and safety issues are presented along with facility design and equipment. Competitive trends are determined. Financial acumen are developed. This course is intended for all students in Hospitality Management, Fermentation Management and Culinary Arts / Culinary Management.

FT; AA/as; CSU.

HOSP 112 Lodging and Resort Management & Operations**48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Corequisite:** Completion of or concurrent enrollment in: HOSP 101 with a Grade of "C" or better, or equivalent**Advisory:** HOSP 102 with a Grade of "C" or better, or equivalent and CBTE 140 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for HOSP 110 and HOSP 151. This course is an overview of the management responsibilities of hotel operations. The focus is on analysis and understanding of the interdependent nature of major departments within a hotel/resort operation: rooms division, food and beverage, sales and marketing, housekeeping and maintenance, and general and administrative. Details are presented in planning, development and financial investment management that deal with the unique nature of resort business. Analyses of the interrelationship between the major departments are examined through the concepts of organizing, planning, communicating, and ethical principles among the major departments of a lodging operation. Job titles, functions, and their interactive relationships that are of utmost importance in understanding and working productively with the complexities of hotel management are discussed, along with performance indicators. The course is designed for students interested in the hospitality industry.

FT; AA/as; CSU.**HOSP 115 Strategic Leadership in Hospitality****48-54 hours lecture; 3 units****Grading:** Letter Grade Only

Limitation on Enrollment: This course is not open to students with previous credit for FOOD 115. This course is designed to acquaint students with the leadership, management, supervision and quality issues facing today's hospitality and health care industry. It covers the organization and management of hospitality operations. This course is designed for students who are interested in hospitality and culinary arts/culinary management, as well as those working toward American Culinary Federation certification and recertification. The course is a requirement for students seeking the DSS certification.

FT; AA/as; CSU.**HOSP 121 Sales, Marketing and Brand Management****48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Advisory:** HOSP 101 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for HOSP 120 and HOSP 170. This course provides students with the knowledge of marketing and themes uniquely related to the hospitality and tourism industry. The course explores such topics as identifying target markets, marketing service and customer satisfaction, advertising and media planning, event promotion and sponsorship, merchandising, and personal sales. Students will develop a marketing plan for a topic/ event/ facility of their choice in the hospitality and tourism industry. This course is designed for students enrolled in the Hospitality program.

FT; AA/as; CSU.**HOSP 130 Hospitality Law****48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Corequisite:** Completion of or concurrent enrollment in: HOSP 101 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for HOTEL 115. This course introduces the student to the laws and regulations that influence business and management decisions applicable to the ownership and operation of hospitality and tourism businesses. It is designed to provide practical knowledge of the law and how the legal system functions. The course focus is on legal fundamentals including negligence, relationships with guests, employees, contracts, liability, and the sale of food and alcohol. This course is designed for students interested in a career in hospitality and tourism or those interested in the area and those majoring in Hotel Management.

FT; AA/as; CSU.

HOSP 162 Event Management**48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Corequisite: Completion of or concurrent enrollment****in:** HOSP 101 with a Grade of "C" or better, or equivalent**Advisory:** HOSP 102 with a Grade of "C" or better, or equivalent and HOSP 121 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for HOSP 160 and HOSP 175. This course covers planning events such as meetings, conferences, convention and trade shows within the parameters of that segment of the business and tourism industries. Students are introduced to the differences between types of events, their scale, target markets, purposes, venues and logistics. This course focuses on meeting and convention management from both the perspective of the planner and the venue. The process of selling space, functions and events to groups, and the methods for servicing group business after the sale are outlined. Also addressed are the steps that are taken to plan, organize, and produce such activities from an emphasis on marketing. This course is for students enrolled in the Hospitality program.

FT; AA/as; CSU.**HOSP 166 Operations Management and Consulting****48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Corequisite: Completion of or concurrent enrollment****in:** HOSP 101 with a Grade of "C" or better, or equivalent**Advisory:** HOSP 102 with a Grade of "C" or better, or equivalent and HOSP 121 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for HOSP 165 and HOSP 186. This course covers the theoretical and practical foundation for operations management and operational procedures. Emphasis is placed on research, design, planning, budgeting and evaluation of hospitality concepts. The course also identifies the knowledge and skills needed to operate a business related to life-cycle and hospitality consulting. This course is designed for students enrolled in the Hospitality program.

FT; AA/as; CSU.**HOSP 185 Sustainable Facilities Management****32-36 hours lecture; 2 units****Grading:** Letter Grade Only**Corequisite: Completion of or concurrent enrollment****in:** HOSP 101 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for TOUR 140 or HOSP 180. This course highlights meeting and event facilities and venues and their methods of sustainable operation. Included areas are public assembly facilities, arenas, stadiums, convention centers, performing arts centers and amphitheaters. Logistical considerations of booking events, contract negotiations, ticket sales, maintenance and production are identified. Also examined are management techniques of hospitality facilities to get better value from physical assets to improve business productivity and sustainability. This course is designed for students enrolled in the Hospitality program.

FT; AA/as; CSU.**HOSP 190 Hospitality Capstone****32-36 hours lecture; 2 units****Grading:** Letter Grade Only**Prerequisite:** HOSP 101 with a Grade of "C" or better, or equivalent

This course of volunteering and self-assessment through learning experiences and research allows students to better understand the community and use their skills learned in unique hospitality environments. Topics include an introduction to professional organizations, career development research, lifelong learning, and leadership skills. Students assess their strengths and limitations as hospitality professionals. This course is designed for students enrolled in the Hospitality program.

FT; AA/as; CSU.**HOSP 270 Work Experience****54 - 216 hours other; 1-4 units****Grading:** Letter Grade Only**Limitation on Enrollment:** Obtain Permission Number from Instructor

A program of on-the-job learning experiences for students employed in a job related to their major. One unit of credit may be earned for every 54 hours of work experience. A maximum of fourteen credit hours for all work experience subject areas may be earned during one enrollment period.

HUMA-Humanities

HUMA 101 Introduction to the Humanities I**48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This interdisciplinary course is designed for students interested in meeting general education requirements in humanities. The course develops students' understanding and appreciation of humankind's cultural heritage from the Upper Paleolithic (ca. 40,000 BCE) to approximately 1400 CE. A survey is made of the literature, philosophy, music, painting, architecture, and sculpture of both Western and non-Western civilizations.

FT; AA/as; CSU; UC.**HUMA 102 Introduction to the Humanities II****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This interdisciplinary course is designed for students interested in meeting general education requirements in humanities. The course develops students' understanding and appreciation of humankind's cultural heritage from approximately 1400CE to the present time. A survey is made of the literature, philosophy, music, painting, architecture, and sculpture of both Western and non-Western civilizations.

FT; AA/as; CSU; UC.**HUMA 103 Introduction to the New Testament****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This course provides a survey of the New Testament period (First Century C.E.). Emphasis is placed on the history and culture of the New Testament period, the methods of critical analysis of Biblical materials, and the content of the New Testament. The impact of the New Testament on western culture is also examined. This course is intended for students of history, literature, anthropology or those with a general interest in biblical studies.

FT; AA/as; CSU; UC.**HUMA 104 Introduction to the Old Testament****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent or ENGL 105 with a Grade of "C" or better, or equivalent

This course is an introduction to the texts and development of the Old Testament (Hebrew Bible) through a critical reading of its writings, taking into account its relevant history, cultural influences, the original language, and the important events, personages/characters, ideas, and beliefs of ancient Israel. Also addressed are the contributions of other disciplines to a critical understanding of Hebrew Scriptures, including archaeology, literature, history, current Biblical scholarship and criticism, and women's studies. This course may be of particular interest to students in literature, anthropology, and other such disciplines.

FT; AA/as; CSU; UC.**HUMA 106 World Religions****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This course is an introduction to the basic elements of the religions of the world, their similarities and differences, and their impact on believers and society. The course includes a study of the historical development, doctrines, rituals, sects, and scriptures of the major religions of the world. Some analysis of ancient religious traditions and tribal religious beliefs and practices may be included. This course is intended for all students interested in humanities and the study of world religions.

FT; AA/as; CSU; UC.**HUMA 118 Eastern Humanities****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This interdisciplinary course develops students' understanding and appreciation of the arts, literature, philosophy, and religions of Asia—from Prehistory to the Present. It is designed for students interested in Asian civilizations, the Humanities in general, and related disciplines.

FT; AA/as; CSU; UC.

HUMA 119 Western Humanities**48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This interdisciplinary course develops students' understanding and appreciation of the arts, literature, philosophy, and religions of Europe, Africa, and the Americas—from Prehistory to the Present. It is designed for students interested in European, African, and American civilizations; the Humanities in general; and related disciplines.

FT; AA/as; CSU; UC.**HUMA 201 Mythology****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This interdisciplinary course introduces students to the major images and themes of the myths of widely separated peoples of the world throughout history. By analyzing various archetypal patterns found in the great civilizations and tribal cultures of the world, students understand both the uniqueness of each culture's world view and the commonality of human mythological conceptions. Literature and the arts are used to demonstrate these cultures' mythic ideas. This course is meant for students in the Humanities and for those interested in the myths of the world.

FT; AA/as; CSU; UC.**HUMA 205 Exploring Human Values Through Film****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This course is an introduction to the Humanities through the study of film. Emphasis is placed on thematic and technical analysis of feature films. Topics include philosophic meaning, moral development, and social responsibility. This course is designed for Humanities majors and students interested in film and its expression of humanistic values.

FT; AA/as; CSU; UC.**HUMA 210 Women in Religion and Myth****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This interdisciplinary course explores ancient and modern beliefs in female divinities; studies the status of women in religions worldwide and throughout history; and analyzes the impact of religious ritual and doctrine on the lives of women, both past and present. It is designed for students interested in Women's Studies, Religious Studies, Humanities, and related disciplines.

FT; AA/as; CSU; UC.**INTE-Interior Design****INTE 101 Introduction to Interior Design****48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Advisory:** CBTE 180 with a Grade of "C" or better, or equivalent

This course is a survey of the profession of interior design. Emphasis is placed on design fundamentals and the profession of interior design. Topics include space planning, construction systems, furniture, and finishes. This course is designed for interior design majors and all students interested in the field.

FT; AA/as; CSU.**INTE 105 Residential Design****16-18 hours lecture/96-108 hours lab; 3 units****Grading:** Letter Grade Only**Prerequisite:** INTE 101 with a Grade of "C" or better, or equivalent and INTE 112B with a Grade of "C" or better, or equivalent and INTE 115 with a Grade of "C" or better, or equivalent

This course introduces interior design students to the planning of residential interiors. Emphasis is placed on the interrelationship of interior elements, principles, space planning, and conceptual problem solving in three-dimensional space. This course is designed for interior design majors.

FT; AA/as; CSU.

INTE 110 Materials and Resources

32-36 hours lecture/48-54 hours lab; 3 units

Grading: Letter Grade Only

Prerequisite: INTE 101 with a Grade of "C" or better, or equivalent and INTE 112A with a Grade of "C" or better, or equivalent and INTE 115 with a Grade of "C" or better, or equivalent

This course is a study of the technical specification of finishes, furnishings, and equipment needed to complete a variety of interior environments. Emphasis is placed on sustainability. Product knowledge, available resources, industry procedures, and terminology are incorporated. Liabilities and regulations as they pertain to the professional interior designer are covered. Finishes, furnishings, and equipment are estimated and specified, and are graphically designated on drafted plans and elevations. This course is designed for students majoring in interior design.

FT; AA/as; CSU.

INTE 112A Visual Communication I

32-36 hours lecture/48-54 hours lab; 3 units

Grading: Letter Grade Only

This course is an introduction to interior design drawing and drafting. Emphasis is placed on architectural floor plans, building sections, interior elevations and detailing, lettering, and dimensioning for residential and commercial projects. This course is intended for interior design majors.

FT; AA/as; CSU.

INTE 112B Visual Communication II

32-36 hours lecture/48-54 hours lab; 3 units

Grading: Letter Grade Only

Prerequisite: INTE 112A with a Grade of "C" or better, or equivalent

Advisory: CBTE 180 with a Grade of "C" or better, or equivalent

This course is a study of drawing techniques for interiors using both manual and computer aided design. Emphasis is placed on three dimensional (3D) modeling and perspectives, floor plans, and visual presentation drawings using industry standard software, such as Sketch-Up Pro, Photoshop and Adobe InDesign. Quick sketching is also incorporated. This course is intended for Interior Design majors.

FT; AA/as; CSU.

INTE 115 Elements and Principles of Interior Design

32-36 hours lecture/48-54 hours lab; 3 units

Grading: Letter Grade Only

Advisory: CBTE 180 with a Grade of "C" or better, or equivalent

This course introduces students to the elements and principles of interior design. Emphasis is placed on the analysis of interior environments two and three dimensionally. This course includes the creation of two and three dimensional (2D and 3D) design projects illustrating the elements and principles of interior design such as scale and proportion, balance, color and light. This course is intended for interior design majors and students interested in interior design

FT; AA/as; CSU.

INTE 120 Revit for Interiors

32-36 hours lecture/48-54 hours lab; 3 units

Grading: Letter Grade Only

Prerequisite: INTE 112A with a Grade of "C" or better, or equivalent

This course is a practical study of computer aided interior design using Revit. Emphasis is placed on the creation of two- and three-dimensional drawings and renderings to industry standards. This course is intended for interior design majors and for practicing professionals.

FT; AA/as; CSU.

INTE 125 History of Furniture and Interiors

48-54 hours lecture; 3 units

Grading: Letter Grade Only

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent and CBTE 180 with a Grade of "C" or better, or equivalent

This course is a survey of the principle styles of furniture, interiors, and related decorative arts from antiquity to the present. This course is designed for interior design majors and any student interested in the history of interiors.

FT; AA/as; CSU.

INTE 130 Interior Design Professional Practice

48-54 hours lecture; 3 units

Grading: Letter Grade Only

Prerequisite: INTE 105 with a Grade of "C" or better, or equivalent

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent

This course is a study of the business and management of a professional interior design practice. Emphasis is placed on client/designer communication, phases of design, project management, legal issues, business practices, marketing, and project presentation for residential and commercial design. This course is intended for Interior Design majors.

FT; AA/as; CSU.

INTE 135 AutoCAD for Interiors**32-36 hours lecture/48-54 hours lab; 3 units****Grading:** Letter Grade Only**Advisory:** INTE 112A with a Grade of "C" or better, or equivalent and CBTE 180 with a Grade of "C" or better, or equivalent

This course is a practical study of computer-aided drafting for interior design application using AutoCAD. Emphasis is placed on the creation of 2D drawings per industry standards. This course is intended for Interior Design majors and practicing designers to maintain industry currency.

FT; AA/as; CSU.**INTE 145 Interior Building Systems and Codes****48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Prerequisite:** INTE 101 with a Grade of "C" or better, or equivalent and INTE 112A with a Grade of "C" or better, or equivalent**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This course is an overview of systems used in construction as it relates to the planning of interior environments. The course covers current building components such as floors, ceilings, and doors, as well as systems developed for providing health, safety, and comfort (plumbing; heating, ventilation and cooling; lighting; and acoustics). Codes, regulations, standards (California and federal) and sustainable principles that impact residential and commercial interior environments are emphasized. This course is designed for students majoring in interior design.

FT; AA/as; CSU.**INTE 200 Kitchen and Bath Design****32-36 hours lecture/48-54 hours lab; 3 units****Grading:** Letter Grade Only**Prerequisite:** INTE 105 with a Grade of "C" or better, or equivalent and INTE 110 with a Grade of "C" or better, or equivalent and INTE 145 with a Grade of "C" or better, or equivalent

This course is a study of kitchen and bath design. Emphasis is placed on the application of National Kitchen and Bath Association (NKBA) Planning Guidelines and NKBA Access Planning Guidelines to universal design projects. Topics include identifying project needs, materials selection, space planning, and contract documents. This course is designed for students majoring in Interior Design.

FT; AA/as; CSU.**INTE 205 Non-Residential Space Planning****16-18 hours lecture/96-108 hours lab; 3 units****Grading:** Letter Grade Only**Prerequisite:** INTE 105 with a Grade of "C" or better, or equivalent and INTE 110 with a Grade of "C" or better, or equivalent and INTE 145 with a Grade of "C" or better, or equivalent and INTE 120 with a Grade of "C" or better, or equivalent or INTE 135 with a Grade of "C" or better, or equivalent

This course is a design studio that introduces non-residential interior space planning and design. Emphasis is placed on the design process, building codes, and furniture placement as they relate to space planning and construction drawing preparation. This course is intended for students majoring in Interior Design.

FT; AA/as; CSU.**INTE 210 Presentation and Color Rendering****32-36 hours lecture/48-54 hours lab; 3 units****Grading:** Letter Grade Only**Prerequisite:** INTE 112A with a Grade of "C" or better, or equivalent and INTE 115 with a Grade of "C" or better, or equivalent

This course is a hands-on study of color rendering techniques, presentation methods and portfolio development. Students use quick sketching methods and color to communicate design solutions. Students render floor plans, perspectives, and interior furnishings. This course is intended for students majoring in Interior Design.

FT; AA/as; CSU.**INTE 215 Environmental Lighting Design****48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Prerequisite:** INTE 101 with a Grade of "C" or better, or equivalent and INTE 112B with a Grade of "C" or better, or equivalent and INTE 115 with a Grade of "C" or better, or equivalent

This course is a study of lighting for interiors. Emphasis is placed on developing and creating environmentally effective and aesthetically pleasing lighting design solutions for both commercial and residential applications. This course is intended for students majoring in Interior Design.

FT; AA/as; CSU.

INTE 270 Work Experience**54 - 216 hours other; 1-4 units****Grading:** Letter Grade Only**Prerequisite:** INTE 105 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** Obtain Permission Number from Instructor

A course provides on-the-job learning experiences for students employed in a job related to interior design. Students develop workplace competencies, critical thinking skills, and problem solving abilities through the creation and achievement of job-related behavioral learning objectives. One unit of credit may be earned for each 54 hours of work experience. A maximum of fourteen credit hours for all work experience subject areas may be earned during one enrollment period. This course is intended for students majoring or interested in interior design.

INTE 290 Independent Study**48 - 162 hours other; 1-3 units****Grading:** Letter Grade Only**Limitation on Enrollment:** Obtain Permission Number from Instructor

This course is for students who wish to conduct additional research, a special project, or learning activities in the field of interior design. It is not intended to replace an existing course in the discipline. In this course students have a written contract with their instructor for activities such as: engaging in primary research, preparing reports, and working on special projects.

ITAL-Italian**ITAL 101 First Course in Italian****80-90 hours lecture; 5 units****Grading:** Letter Grade or Pass/No Pass**Limitation on Enrollment:** This course is not open to students with previous credit for ITAL 100

This is the first course in the Italian language sequence. In this interactive course, students use basic vocabulary, grammatical structures and idiomatic phrases to speak, listen, read, and write in Italian at the novice level. Emphasis is placed on daily life activities as well as Italian history, culture, and geography. This course is intended for all students interested in Italian language and culture.

FT; AA/as; CSU; UC.**ITAL 102 Second Course in Italian****80-90 hours lecture; 5 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** ITAL 101 with a Grade of "C" or better, or equivalent or two years of high school Italian or equivalent.

Limitation on Enrollment: This course is not open to students with previous credit for ITAL 100

This is the second course in the Italian language sequence. In this interactive course, students use increasingly complex language at the high-novice level. Topics include vocabulary, grammatical structures, and tenses to analyze and express opinions related to a variety of topics, including Italian culture, politics, and the environment. Emphasis is placed on daily life activities as well as Italian history, culture, and geography. This course is intended for all students interested in Italian language and culture.

FT; AA/as; CSU; UC.**ITAL 201 Third Course in Italian****80-90 hours lecture; 5 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** ITAL 102 with a Grade of "C" or better, or equivalent or three years of high school Italian or equivalent.

This is the third course in the Italian language sequence. In this interactive course, students use intermediate level vocabulary, grammatical structures, and tenses to analyze and to express opinions related to a variety of topics, including Italian culture, politics, and the environment. This course is intended for all students interested in Italian language and culture.

FT; AA/as; CSU; UC.

JAPN-Japanese

JAPN 101 First Course in Japanese**80-90 hours lecture; 5 units****Grading:** Letter Grade or Pass/No Pass

This is an entry-level course designed to introduce students to the Japanese language and cultures of Japan. In this interactive course, students learn and use the language by speaking, listening, reading, and writing at the novice level. Basic language structures and vocabulary for communication are examined and explored in Japanese.

JAPN 102 Second Course in Japanese**80-90 hours lecture; 5 units****Grading:** Letter Grade or Pass/No Pass

Prerequisite: JAPN 101 with a Grade of "C" or better, or equivalent or two years of high school Japanese
This course is a continuation of Japanese at the novice high level. Students use listening, reading and writing skills at an increasingly complex level. This course utilizes an interactive approach to expand students' use of language structures and vocabulary in Japanese. The course is intended for students who have completed previous coursework in Japanese.

FT; AA/as; CSU; UC.**JAPN 201 Third Course in Japanese****80-90 hours lecture; 5 units****Grading:** Letter Grade or Pass/No Pass

Prerequisite: JAPN 102 with a Grade of "C" or better, or equivalent or three years of high school Japanese.
This is the third course in the Japanese language sequence. In this interactive course, students listen, speak, read and write in Japanese at the intermediate level. This course is intended for students who have completed the first two courses in the Japanese language sequence.

FT; AA/as; CSU; UC.**JAPN 202 Fourth Course in Japanese****80-90 hours lecture; 5 units****Grading:** Letter Grade or Pass/No Pass

Prerequisite: JAPN 201 with a Grade of "C" or better, or equivalent or four years of high school Japanese
This is the fourth course in the Japanese language sequence. In this interactive course, students speak, listen, read and write at the advanced-intermediate level. Students are expected to read and evaluate authentic Japanese literary and cultural materials. This course is intended for students who have completed the first three courses in the Japanese language sequence.

FT; AA/as; CSU; UC.**JAPN 210 Conversation and Composition in Japanese I****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass

Prerequisite: JAPN 102 with a Grade of "C" or better, or equivalent
This is an interactive course in Japanese conversation and composition at the intermediate level. In this course, students are encouraged to express themselves creatively both orally and in writing as they explore a variety of topics in Japanese. This course is intended for students who have completed the first two courses in the Japanese language sequence.

FT; AA/as; CSU; UC.**JAPN 211 Conversation and Composition in Japanese II****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass

Prerequisite: JAPN 210 with a Grade of "C" or better, or equivalent
This is an interactive course in Japanese conversation and composition at the intermediate-advanced level. In this course, students are encouraged to express themselves creatively both orally and in writing as they explore a variety of topics in Japanese at an intermediate-advanced level. This course is intended for students who want to further enhance their skills in Japanese.

FT; AA/as; CSU; UC.

JOUR-Journalism

JOUR 200 Introduction to Newswriting and Reporting

48-54 hours lecture; 3 units

Grading: Letter Grade Only

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent or ENGL 105 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for DJRN 200 or FJMP 130. The course is an introduction to evaluating, gathering, and writing news in accepted journalistic style under newsroom conditions. Topics include the role of the reporter and the legal and ethical issues related to reporting. Students have writing and reporting experiences, including: personal interviews, speech/ meeting/event coverage, deadline writing, and use of AP style. This course is designed for journalism majors and is intended for students interested in learning to write for student media and other publications.

FT; AA/as; CSU; C-ID: JOUR 110.

JOUR 202 Introduction to Mass Communication
48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for DJRN 100 or FJMP 101. This course is a survey of mass communication in the United States. Emphasis is placed on the historical and contemporary impact of the media on society and culture as well as on the ways that social institutions shape the media. Students examine media related issues as they relate to social and cultural constructs, economics, technology, law and ethics, and social issues. This course is designed for journalism majors and all students interested in the relationship between mass media and society.

FT; AA/as; CSU; UC; C-ID: JOUR 100.

JOUR 204 Social Media in the Digital Age
48-54 hours lecture; 3 units

Grading: Letter Grade Only

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for DJRN 204 or FJMP 102. This course explores social media from a content perspective. Topics will include learning the fundamentals of social media, the theories behind writing for it, as well as the ethics and standards of information generated. The emphasis of this course is on effectively and ethically creating and consuming information via social networks in an increasingly connected and rapidly changing global environment. This course is designed for journalism majors or students interested in social media.

FT; AA/as; CSU.

JOUR 206 Online Journalism

32-36 hours lecture/48-54 hours lab; 3 units

Grading: Letter Grade or Pass/No Pass

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent or ENGL 105 with a Grade of "C" or better, or equivalent

This course provides a basic examination of current online news trends and multimedia reporting techniques. The course covers skills necessary to produce basic multimedia reports, audio slide shows, and blogs. The course also provides instruction in ethical, legal and social issues affecting online journalists, as well as an exploration of online audiences. The course is intended for journalism majors or those seeking career development.

FT; AA/as; CSU; C-ID: JOUR 120.

JOUR 210A Newspaper Production 1

96-162 hours lab; 2-3 units

Grading: Letter Grade Only

Advisory: Completion of or concurrent enrollment in: ENGL C1000 with a Grade of "C" or better, or equivalent

This course focuses on writing and producing student news publications using the student newspaper and its online version as a practical laboratory that produces a journalistic product for distribution to a college-wide audience. Students work primarily in one of the following areas: researching, writing, and editing articles for the two publications; taking photographs and creating graphic illustrations; developing multimedia stories; or designing pages. Ethical and legal aspects of communication are also covered. This course is intended for students majoring in journalism and all students interested in working on student news publications.

FT; AA/as; CSU; C-ID: JOUR 130.

JOUR 210B Newspaper Production 2

96-162 hours lab; 2-3 units

Grading: Letter Grade Only

Prerequisite: JOUR 210A with a Grade of "C" or better, or equivalent

This course focuses on writing and producing student news publications at an intermediate level using the student newspaper and its online version as a practical laboratory that produces a journalistic product for distribution to a college-wide audience. Students work primarily in two of the following areas: researching, writing, and editing articles for the two publications; taking photographs and creating graphic illustrations; developing multimedia stories; or designing pages. Ethical and legal aspects of communication are also covered. This course is intended for students majoring in journalism and all students interested in working on student news publications.

FT; AA/as; CSU; C-ID: JOUR 131.

JOUR 210C Newspaper Production 3**96-162 hours lab; 2-3 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** JOUR 210B with a Grade of "C" or better, or equivalent

This course focuses on writing and producing student news publications at an intermediate-advanced level using the student newspaper and its online version as a practical laboratory that produces a journalistic product for distribution to a college-wide audience. Students work primarily in three of the following areas: researching, writing, and editing articles for the two publications; taking photographs and creating graphic illustrations; developing multimedia content; or designing pages. Ethical and legal aspects of communication are also covered. This course is intended for students majoring in journalism and all students interested in working on student news publications.

FT; AA/as; CSU.**JOUR 210D Newspaper Production 4****96-162 hours lab; 2-3 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** JOUR 210C with a Grade of "C" or better, or equivalent

This course is designed to provide additional ongoing experience in the production and publication of a student newspaper. Emphasis is placed on helping students progress to an advanced level in the gathering and writing of news and features. In addition to reporting and writing, students at this level, assume responsibility for organizing and managing the newsroom, which includes conducting story conferences, developing the news budget, assigning stories, coaching reporters, and editing and designing the paper in its entirety. Students may also make photo assignments and provide coaching for novice photographers. Students are guided by ongoing advice, criticism and evaluation from a faculty adviser. Students enrolled in the course for 2 units are expected to participate in the production of the student newspaper for 6 hours per week, while students enrolled for 3 units are expected to participate at least 9 hours per week and contribute extensively to the layout and production of the paper.

FT; AA/as; CSU.**JOUR 220 Principles of Public Relations****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This course evaluates public relations as a growing profession. The course looks at the principles, history and development, and professional practice of modern public relations. It investigates concepts of planning and executing effective communication strategies, including message design and distribution, for any organization. The use of social media, photography, graphics and marketing is also studied. This course is designed for students interested in learning about the field of public relations.

FT; AA/as; CSU; C-ID: JOUR 150.

LIBS-Library Science

LIBS 101 Information Literacy and Research Skills

16-18 hours lecture; 1 unit

Grading: Letter Grade or Pass/No Pass

Advisory: Completion of or concurrent enrollment in:

ENGL C1000 with a Grade of "C" or better, or equivalent

This course provides an overview of information resources and the skills required to use them effectively. Emphasis is placed on locating, navigating, and evaluating various information resources and the applicability of research skills in both personal life and future academic endeavors. Topics include examining library resources such as print and electronic indexes, books, and periodicals; electronic databases; online and in-person library services; effective internet searching; and developing research strategies. This course is intended for students who wish to acquire research skills for academic, career, or personal use.

FT; AA/as; CSU; UC.

MARK-Marketing

MARK 100 Principles of Marketing

48-54 hours lecture; 3 units

Grading: Letter Grade Only

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent or ENGL 105 with a Grade of "C" or better, or equivalent

This course is an overview of the foundations, principles, processes, and goals of marketing. Topics include ethics and social responsibility; global marketing and world trade; corporate marketing strategies; and emerging technologies. Marketing strategies include product planning, development, pricing, distribution, and promotion. This course is intended for students majoring in business or others working in a business environment such as managers and supervisors.

FT; AA/as; CSU.

MARK 105 Professional Selling

48-54 hours lecture; 3 units

Grading: Letter Grade Only

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent

This course is a study of the principles of sales and selling. Emphasis is placed on the role of human relations in the processes of selling products, services and ideas. Topics include sales techniques, including opening the sale, discovering the needs and wants of the client, addressing objections and closing the sale. Students develop and deliver written and oral sales presentations. This course is designed for students majoring in business or marketing and anyone interested in the sales profession.

FT; AA/as; CSU.

MARK 110 Principles of Retailing

48-54 hours lecture; 3 units

Grading: Letter Grade Only

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent

This course is a study of the principles and practices of retailing. Topics include retail strategic planning, merchandise management, supply chain management, and retail location and site analysis. This course is designed for students majoring in Marketing and anyone interested in learning more about the different aspects of running a successful retail operation.

FT; AA/as; CSU.

MARK 130 Advertising Principles

48-54 hours lecture; 3 units

Grading: Letter Grade Only

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent

This course is a study of the principles and practices of advertising. Emphasis is placed on target marketing, consumer behavior, and Integrated Marketing Communications (IMC). This course is designed for students majoring in business or marketing and anyone interested in employment or a career in the field of advertising.

FT; AA/as; CSU.

MATH-Mathematics

MATH 15A Prealgebra Refresher

48-54 hours lab; 1 unit

Grading: Pass/No Pass Only

This course is a review of prealgebra skills needed for success in subsequent mathematics courses. Students receive instruction and academic support in mathematics concepts, arithmetic operations, algebraic expressions, mathematical properties, and their application to prealgebra-specific mathematical problems. This course is designed for students who need to refresh their pre-algebra skills or need additional support in subsequent mathematics courses.

MATH 15B Elementary Algebra and Geometry Refresher

48-54 hours lab; 1 unit

Grading: Pass/No Pass Only

This course is a review of elementary algebra and geometry skills needed for success in subsequent mathematics courses. Students receive instruction and academic support in mathematics concepts, arithmetic operations, algebraic expressions, mathematical properties, and their application to elementary algebra- and geometry-specific mathematical problems. This course is designed for students who need to refresh their elementary algebra and geometry skills or need additional support in subsequent mathematics courses.

MATH 15C Intermediate Algebra and Geometry Refresher

48-54 hours lab; 1 unit

Grading: Pass/No Pass Only

This course is a review of intermediate algebra and geometry skills needed for success in subsequent mathematics courses. Students receive instruction and academic support in mathematics concepts, arithmetic operations, algebraic expressions, mathematical properties, and their application to intermediate algebra- and geometry-specific mathematical problems. This course is designed for students who need to refresh their intermediate algebra and geometry skills or need additional support in subsequent mathematics courses.

MATH 15D Geometry Refresher

48-54 hours lab; 1 unit

Grading: Pass/No Pass Only

This course is a review of geometry skills needed for success in subsequent mathematics courses. Students receive instruction and academic support in geometric shapes such as triangles, circles, and quadrilaterals; unit conversions; and calculations of perimeter, area, and volume. This course is designed for students who need to refresh their geometry skills or need additional support in subsequent mathematics courses.

FT.

MATH 15E Trigonometry Refresher

48-54 hours lab; 1 unit

Grading: Pass/No Pass Only

This course is a review of trigonometry skills needed for success in subsequent mathematics courses. Students receive instruction and academic support in angle concepts; trigonometric functions, identities, and equations; vectors; complex numbers; and application problems. This course is designed for students who need to refresh their trigonometry skills or need additional support in subsequent mathematics courses.

FT.

MATH 15F College Algebra Refresher

48-54 hours lab; 1 unit

Grading: Pass/No Pass Only

This course is a review of college algebra skills needed for success in subsequent mathematics courses. Students receive instruction and academic support in linear, polynomial, exponential, logarithmic, and other functions; non-linear inequalities; matrices; systems of equations; and linear programming. This course is designed for students who need to refresh their college algebra skills or need additional support in subsequent mathematics courses.

FT.

MATH 44 Supervised Tutoring in Math

1 - 162 hours other; 0 units

Grading: Non-credit Course

This no grade, no credit course is used as an attendance tracking mechanism for students receiving tutoring in the Math Center. The course is designed to prepare students to succeed in the corequisite and subsequent subject matter courses. This course may be taken four times with a different corequisite subject matter course.

MATH 104 Trigonometry

48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

Prerequisite: Successful completion of Intermediate Algebra with a grade of C or better or appropriate placement M40 or M50 based on California Title 5 regulations; or students with Milestone M30 must enroll in Mathematics 104X (Mathematics 104 and Mathematics 15D learning community).

This course is a study of the numerical, analytical, and geometric properties of right and oblique triangles, of trigonometric and inverse trigonometric functions, and their applications. The course content includes right angle trigonometry, radian measure, circular functions, graphs of circular functions and their inverses, trigonometric identities, equations involving trigonometric and inverse trigonometric functions, an introduction of the complex plane, vectors and their operations, and the trigonometric form of complex numbers. This course is designed as a preparation for calculus and it is intended for the transfer student planning to major in mathematics, engineering, economics, or disciplines included in the physical or life sciences.

FT; AA/as; CSU.

MATH 111 Introduction to Data Science I

24-27 hours lab; 3 units

Grading: Letter Grade Only

Prerequisite: Successful completion of Intermediate Algebra with a grade of C or better or appropriate placement based on California Title 5 regulations.

Advisory: CISC 179 with a Grade of "C" or better, or equivalent

This course provides foundations of the practice of data science. Topics include exploration and implementation of the data science life cycle in locally-relevant contexts. Emphasis is placed on statistical thinking and computer programming required to collect, prepare, and analyze data numerically, visually and algorithmically; and, ethically communicate findings. It also includes an introduction to machine learning. This course is designed for students interested or majoring in data science.

FT; AA/as; CSU; UC.

MATH 116 College and Matrix Algebra

48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

Prerequisite: Successful completion of Intermediate Algebra with a grade of C or better or appropriate placement Milestone M40 or M50 based on California Title 5 regulations. Students with a milestone M30 must enroll in MATH 116X (Mathematics 116 and Mathematics 15C learning community).

This course is designed to strengthen the algebra skills of students seeking Business or Natural Science degrees who are required to take an applied calculus course. Topics in the course include the theory of functions; graphing functions; exponential and logarithmic functions; solving equations involving algebraic, exponential and logarithmic functions; solving systems of linear equations; matrix algebra; modeling; and applications problems. Analytical reading and problem solving skills are required for success in this course.

FT; AA/as; CSU; UC.

MATH 118 Math for the Liberal Arts Student

48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

Prerequisite: Successful completion of Intermediate Algebra with a grade of C or better or appropriate placement based on California Title 5 regulations.

This course covers a selection of topics from logical reasoning, quantitative literacy, the history of mathematics, statistics, probability, number theory, problem-solving techniques, and applications of mathematics to the liberal arts curriculum. Emphasis is placed on the development of an understanding and life long appreciation for critical thinking and mathematical problem solving. This is a general education mathematics course designed for students majoring in the liberal arts.

FT; AA/as; CSU.

MATH 121 Basic Techniques of Applied Calculus I
48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

Prerequisite: Successful completion of Intermediate Algebra with a grade of C or better or appropriate placement Milestone M40 or M50 based on California Title 5 regulations. Students with a milestone M30 must enroll in MATH 121X (Mathematics 121 and Mathematics 15F support course).

This course examines the study of calculus using numerical, graphical, and analytical methods to analyze calculus problems encountered in real-world applications in business, natural/life sciences, and social sciences. Topics include limits, derivatives, and integrals of algebraic, exponential, and logarithmic functions, curve sketching, optimization, and areas under and between curves and partial derivatives and optimization of multivariable functions. This is the first course in a sequence of mathematics courses for students intending to major in business, economics, or natural and social sciences.

FT; AA/as; CSU; UC.

MATH 122 Basic Techniques of Calculus II
48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

Prerequisite: MATH 121 with a Grade of "C" or better, or equivalent

This second course in a math sequence covers methods of integration, multivariable functions and optimization problems, differential equations, Taylor series development and application, derivatives and integrals of trigonometric functions, and their usage in solving problems encountered in real-world applications in business, life and social sciences and economics. This course is intended for students majoring in business, natural science, social science and economics.

FT; AA/as; CSU; UC.

MATH 141 Precalculus
80-90 hours lecture; 5 units

Grading: Letter Grade or Pass/No Pass

Prerequisite: Successful completion of Trigonometry with a grade of C or better or appropriate placement Milestone M50 based on California Title 5 regulations. Students with a milestone M30 or M40 must enroll in Mathematics 141X (Mathematics 141 and Mathematics 15B learning community).

This course is a study of numerical, analytical, and graphical properties of functions. The course content includes polynomial, rational, irrational, exponential, logarithmic, and trigonometric functions. Additional topics include: inverse functions, complex numbers, polar coordinates, matrices, conic sections, sequences, series and the binomial theorem. This course is designed as a preparation for calculus and is intended for the transfer student planning to major in mathematics, engineering, economics, or disciplines included in the physical or life sciences.

FT; AA/as; CSU; UC.

MATH 150 Calculus with Analytic Geometry I
80-90 hours lecture; 5 units

Grading: Letter Grade or Pass/No Pass

Prerequisite: MATH 141 with a Grade of "C" or better, or equivalent or Milestone M60. Students with a milestone below M60 must enroll in Mathematics 150X (Mathematics 150 and Mathematics 15E learning community).

This course is an introduction to university-level calculus requiring a strong background in algebra and trigonometry. The topics of study include analytic geometry, limits, differentiation and integration of algebraic and transcendental functions, and applications of derivatives and integrals. Emphasis is placed on calculus applications involving motion, optimization, graphing, and applications in the physical and life sciences. This course incorporates the use of technology. Analytical reading and problem solving are strongly emphasized in this course. This course is intended for students majoring in mathematics, computer science, physics, chemistry, engineering, or economics.

FT; AA/as; CSU; UC; C-ID: MATH 210.

MATH 150L Calculus I Laboratory**48-54 hours lab; 1 unit****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** MATH 141 with a Grade of "C" or better, or equivalent**Corequisite:** MATH 150

This course is a workshop, project-oriented course dealing with exploration and development of the calculus topics introduced in Calculus and Analytic Geometry I. This course directly supports the calculus lectures by having hands-on, collaborative assignments where technology is strongly incorporated throughout all the in-class assignments. Students work individually and in small groups on explorations and applications thus extending the material presented in an introductory, university-level course. Topics including geometric, analytic and numeric applications of limits, derivatives and integrals as well as calculus applications found in the physical and life sciences. This course is intended for all students currently enrolled in Calculus with Analytic Geometry I.

FT; AA/as; CSU; UC.**MATH 151 Calculus with Analytic Geometry II****64-72 hours lecture; 4 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** MATH 150 with a Grade of "C" or better, or equivalent

This is the second course in the calculus and analytic geometry sequence. This course covers more advanced topics in analytic geometry, differentiation and integration of algebraic and transcendental functions, infinite series, Taylor series, and parametric equations. This course also covers a general introduction to the theory and applications of power series, techniques of integration, and functions in polar coordinates, as it serves as a basis for multivariable calculus and differential equations, as well as most upper division courses in mathematics and engineering. This course is intended for the transfer student planning to major in mathematics, computer science, physics, chemistry, engineering or economics.

FT; AA/as; CSU; UC.**MATH 210A Concepts of Elementary School Mathematics I****48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Prerequisite:** Successful completion of Intermediate Algebra with a grade of C or better or appropriate placement based on California Title 5 regulations.

This course is a study of the mathematical concepts needed for teaching elementary school mathematics with emphasis on number and function. This course promotes an appreciation of the importance of logical thinking and applications of mathematics in problem solving and critical thinking. It studies the basic computational skills, but also requires the understanding and explanation of the basic mathematical concepts and the connections between them. This course includes content relevant to national and state curriculum standards for elementary school mathematics. It is designed for students preparing for credentials in elementary education.

FT; AA/as; CSU; UC.**MATH 210B Concepts of Elementary School Mathematics II****48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Prerequisite:** MATH 210A with a Grade of "C" or better, or equivalent**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent or ENGL 105 with a Grade of "C" or better, or equivalent

This course is the second course in a one-year sequence in the study of the mathematical concepts needed for teaching elementary school mathematics with emphasis on geometry, transformational geometry, and measurement. This course also promotes an appreciation of the importance of logical thinking and applications of mathematics in problem solving and critical thinking. It studies the understanding and explanation of the basic mathematical concepts and the connections between them. Analytical reading and problem solving are required for success in this course. It is designed especially for students preparing for credentials in elementary education.

FT; AA/as; CSU; UC.

MATH 212 Children's Mathematical Thinking**16-18 hours lecture; 1 unit****Grading:** Letter Grade Only**Corequisite:** Completion of or concurrent enrollment in: MATH 210A with a Grade of "C" or better, or equivalent**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent or ENGL 105 with a Grade of "C" or better, or equivalent

This course focuses on children's mathematical thinking and includes an in-depth study of place-value, fractions and how children solve mathematical problems. Students observe children and evaluate the problem strategies that are used. This course is intended for students pursuing a Multiple Subject Credential.

FT; AA/as; CSU.**MATH 245 Discrete Mathematics****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** MATH 122 with a Grade of "C" or better, or equivalent or MATH 151 with a Grade of "C" or better, or equivalent**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This course is an introduction to the theory of discrete mathematics and introduces elementary concepts in logic, set theory, and number theory. The topics covered include propositional and predicate logic, methods of proof, set theory, Boolean algebra, number theory, equivalence and order relations, and functions. This forms a basis for upper division courses in mathematics and computer science, and is intended for the transfer student planning to major in these disciplines.

FT; AA/as; CSU; UC.**MATH 252 Calculus with Analytic Geometry III****64-72 hours lecture; 4 units****Grading:** Letter Grade Only**Prerequisite:** MATH 151 with a Grade of "C" or better, or equivalent

This course includes the algebra and geometry of 2 and 3 dimensional Euclidean vectors, the algebra and calculus of multivariable functions including composition of functions, limits, continuity, partial differentiation, gradients, higher order derivatives, the chain rule, constrained and unconstrained optimization including Lagrange's theorem, multiple integrals, integrals over paths and surfaces, and integral theorems of vector analysis. This course is intended as a general introduction to the theory and applications of multivariable calculus. This course is essential for most upper division courses in mathematics and forms part of the foundation for engineering and physics. The course is intended for the students interested and/or planning to major in mathematics, physics, astronomy, engineering, computer science, physical chemistry, operational research, or economics.

FT; AA/as; CSU; UC; C-ID: MATH 230.**MATH 254 Introduction to Linear Algebra****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** MATH 151 with a Grade of "C" or better, or equivalent

This course serves as an introduction to the theory and applications of elementary linear algebra, and is the basis for most upper division courses in mathematics. The topics covered in this course include matrix algebra, Gaussian Elimination, systems of equations, determinants, Euclidean and general vector spaces, linear transformations, orthogonality and inner product spaces, bases of vector spaces, the Change of Basis Theorem, eigenvalues, eigenvectors, the rank and nullity of matrices and introduction to linear transformations. This course is intended for the transfer student planning to major in mathematics, physics, engineering, computer science, operational research, economics, or other sciences.

FT; AA/as; CSU; UC; C-ID: MATH 250.

MATH 255 Differential Equations

48-54 hours lecture; 3 units

Grading: Letter Grade Only

Prerequisite: MATH 252 with a Grade of "C" or better, or equivalent and MATH 254 with a Grade of "C" or better, or equivalent

This course covers first order and higher order ordinary differential equations and their applications. Topics include linear first order and higher order equations, homogeneous and nonhomogeneous equations with constant or variable coefficients, and systems of ordinary differential equations. Methods used to solve equations include substitution methods, integrating factors, reduction of order, variation of parameters, power series solutions, and Laplace transforms. This course is an introduction to the theory and applications of differential equations and is the basis for many upper division courses in engineering, physics, and mathematics. It is intended for the transfer student planning to major in mathematics, engineering, operational research, physics, or other physical science subjects.

FT; AA/as; CSU; UC.

MEDA-Medical Assisting

MEDA 55 Fundamentals Human Anatomy and Physiology

48-54 hours lecture; 3 units

Grading: Letter Grade Only

Limitation on Enrollment: This course is not open to students with previous credit for MEDA 105.

This course examines the structures of the human body and the functions of the major body systems. Topics include cell structure and physiology, tissue classification and function, and general body organization. This course is designed for medical assisting majors and anyone interested in entering a health care career.

MEDA 56 Administrative Medical Assisting I

16-18 hours lecture/24-27 hours lab; 1.5 units

Grading: Letter Grade Only

Prerequisite: MEDA 110 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for MEDA 66 or MEDA 104. This course is designed to prepare Allied Health students to work in physicians' offices, clinics, hospitals, and other medical areas. The course covers administrative and clerical functions of a medical office assistant including patient reception, scheduling appointments, telephone procedures, medical records management, written communications, patient records, office management, professional activities, and personal conduct. This course is designed for students enrolled in the Medical Assisting program or Patient Care Coordinator certificate.

FT; AA/as.

MEDA 64 Medical Ethics and Legal Issues for the Allied Health Professional**16-18 hours lecture; 1 unit****Grading:** Letter Grade Only**Limitation on Enrollment:** This course is not open to students with previous credit for MEDA 101

This course presents future Allied Health professionals with an overview of ethical and legal practices related to the medical field. Guidelines pertaining to the laws, policies and regulations associated with medical issues and clinical practice within the various Allied Health professions, as well as those established by their associated accrediting/licensing agencies, are described and discussed. The impact of the cultural, social, ethical differences and the expectations from the patient's perspective are analyzed and assessed.

FT; AA/as.**MEDA 68 Human Behavior for Allied Health Students****48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Limitation on Enrollment:** This course is not open to students with previous credit for MEDA 102

This course introduces students in the allied health professions to the basic principles of psychology as they relate to human behavior and personality development from birth to old age. Emphasis is placed on cultural, social, hereditary and environmental influences on human behavior and personality development, including behavior associated with death, dying and grieving. Topics include an exploration of varied cultural beliefs, values and practices regarding health and illness, concepts of mental wellness and mental disorders, and methods of treatment and therapy used in the rehabilitation and recovery of patients with mental illnesses.

FT; AA/as.**MEDA 76 Principles of Infection Control and Sterile Technique****16-18 hours lecture/24-27 hours lab; 1.5 units****Grading:** Letter Grade Only**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course is not open to students with previous credit for MEDA 106.

This course provides an overview and application of current Occupational Safety and Health Administration (OSHA) policies and regulations and Standard Precautions related to infection control in the clinical setting. This course is designed to meet OSHA and blood-borne pathogen control for medical assisting and other allied health students who have potential exposure to infectious material such as blood, urine and other body fluids. The evolution of asepsis and infection control is presented as a basis for understanding the need for protection in health care and service environments. The application and use of personal protective equipment (PPE), medical and surgical aseptic handwashing techniques, disposal of biohazard material and other related topics is explored and practiced. This course also covers the differences between disinfection and sterilization. Students sterilize instruments, materials and equipment using a variety of methods and set-ups to maintain and work in a sterile field.

FT; AA/as.**MEDA 78 Principles of Patient Care****16-18 hours lecture/48-54 hours lab; 2 units****Grading:** Letter Grade Only**Prerequisite:** MEDA 55 with a Grade of "C" or better, or equivalent or BIOL 160 with a Grade of "C" or better, or equivalent and MEDA 110 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course is not open to students with previous credit for MEDA 112.

This course provides Medical Assisting students with the fundamentals of patient care in the clinical setting. Students practice the communication skills needed to obtain patient information, as well as instruct and educate patients. Students apply the principles of medical documentation to record information obtained from patient interviews, measuring vital signs, procedures performed or other pertinent patient information as an entry in the patient's medical record. Correct body mechanics needed to assist, move and position patients are presented and students practice positioning patients, preparing trays, measuring a patient's vital signs and assisting with general and specialized clinical procedures performed in the medical setting and within the "Scope of Practice" for the Medical Assistant.

FT; AA/as.

MEDA 82 Diagnostic Testing**48-54 hours lab; 1 unit****Grading:** Letter Grade Only**Prerequisite:** MEDA 55 with a Grade of "C" or better, or equivalent or BIOL 160 with a Grade of "C" or better, or equivalent and MEDA 110 with a Grade of "C" or better, or equivalent**Corequisite: Completion of or concurrent enrollment****in:** MEDA 76 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course is not open to students with previous credit for MEDA 113.

This course presents the principles of diagnostic testing to students in the medical assisting program. Students are introduced to the various types of medical laboratories and methods of quality control for specimen collection, transport, and testing while they learn to screen patients for various diagnostic tests and to follow-up test results. Emphasis is placed on the application of laboratory safety practices in accordance with Standard Precautions and Occupational Safety & Health Administration (OSHA) regulations. Students use common laboratory equipment to perform Clinical Lab Improvement Act (CLIA) approved tests for medical assistants, including hematology, chemistry, immunology and microbiology tests, urinalysis, and respiratory function testing and result analysis. Topics also include the principles of radiological tests, such as X-rays, computerized axial tomography (CT) scanning and magnetic resonance imaging (MRI).

FT; AA/as.**MEDA 84 Phlebotomy for Medical Assisting****24-27 hours lecture/24-27 hours lab; 2 units****Grading:** Letter Grade Only**Prerequisite:** MEDA 76 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course is not open to students with previous credit for MEDA 150

This course prepares students to perform venipunctures and basic blood tests required for entry-level medical assisting positions in clinics and other health care settings. This course is designed for students completing the Medical Assisting Program.

MEDA 86 Administrative Medical Assisting II**24-27 hours lecture/24-27 hours lab; 2 units****Grading:** Letter Grade Only**Prerequisite:** MEDA 110 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for MEDA 205 or MEDA 240 & 245.

This course introduces and instructs Allied Health students in the use of accounting systems for medical and dental offices (including the pegboard and computerized accounting systems) and health insurance procedures. Emphasis is placed on medical accounting terminology, ledgers, methods used in payroll accounting, preparation of account charts and correct completion of benefit and claim forms. This course also prepares students to work with insurance forms in medical offices, hospitals and other clinical settings and in the proper use of procedural and diagnostic coding utilizing the most current editions of Physicians Current Procedural Terminology and International Classification of Diseases.

FT; AA/as.**MEDA 88 Electrocardiogram Application****24-27 hours lab; 0.5 units****Grading:** Letter Grade Only**Prerequisite:** MEDA 55 with a Grade of "C" or better, or equivalent and MEDA 76 with a Grade of "C" or better, or equivalent or BIOL 160 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course is not open to students with previous credit for MEDA 220

This course presents the Medical Assisting students with the basic principles of performing and analyzing an electrocardiogram (ECG). Students review the anatomy, physiology and electrophysiology of the heart and circulatory system as it pertains to an ECG. The basic components of an ECG and types of cardiac rhythms, both normal and abnormal, are presented. Students perform and analyze a normal 12-Lead ECG. Students also become familiar with and are able to identify the abnormal cardiac rates, rhythms and conditions that can be diagnosed utilizing an ECG.

FT; AA/as.

MEDA 92 Minor Surgery**24-27 hours lab; 0.5 units****Grading:** Letter Grade Only**Prerequisite:** MEDA 76 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for MEDA 230
Special Admission - must be admitted to program.
This course introduces the Medical Assisting student to the principles of minor surgery, its history and settings. Students become familiar with a variety of common surgical procedures, instruments, materials and supplies used in aseptic and sterile procedures. Patient pre-operative and post-operative processing is also presented and practiced. Alternate surgical procedures are also discussed. Students are instructed in the Scope of Practice of the Medical Assistant as it relates to minor surgery.

FT; AA/as.**MEDA 94 Medication Administration****24-27 hours lab; 0.5 units****Grading:** Letter Grade Only**Prerequisite:** MEDA 110 with a Grade of "C" or better, or equivalent and MEDA 76 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: Special Admission - must be admitted to program.
This course is not open to students with previous credit for MEDA 250
In this course the medical assisting student practices the hands-on-application of medication administration. The course presents the principles and the guidelines for reading and interpreting a medical prescription. The course content also stresses the mechanisms for calculating, measuring and administering drugs; both orally and parenterally using placebos to carry out the medical prescription. Principles of intravenous (I.V.) therapy are discussed. Students maintain medication and immunization records in accordance with the appropriate application of documentation and record preparation principles. Also covered in this course are the complications of medication administration and the immediate measures that need to be applied in each situation. Students should be aware that they perform and practice invasive procedures on each other as one of the course requirements. This course is designed for students enrolled in the Medical Assisting Program.

FT; AA/as.**MEDA 97 Directed Clinical Practice****216 - 243 hours other; 4.5 units****Grading:** Letter Grade Only**Prerequisite:** MEDA 110 with a Grade of "C" or better, or equivalent and MEDA 76 with a Grade of "C" or better, or equivalent and MEDA 78 with a Grade of "C" or better, or equivalent and MEDA 82 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: Special Admission - must be admitted to program.
This course is not open to students with previous credit for MEDA 145 or MEDA 96
This course is designed to give medical assisting students hands-on, unpaid clinical experience at a medical facility. Focus is placed on the safe, legal, ethical and effective application of skills learned in prior medical assisting courses. This course also fosters the development of communication skills, interpersonal relationships and professionalism required for the healthcare field. Supervision of students is provided by the staff of the affiliating institution and coordinated by the college faculty. The course is designed for students enrolled in the Medical Assisting Program.

FT; AA/as.**MEDA 110 Medical Terminology****48-54 hours lecture; 3 units****Grading:** Letter Grade Only

This course covers basic medical terminology and the vocabulary of medical specialties. Special emphasis is on the use of prefixes and suffixes, and non-technical explanations of medical terms and descriptions of anatomy, physiology, and pathology. Students learn to utilize medical terminology as it applies to the structure of the human body, common laboratory tests, radiological and operative procedures, as well as basic pharmacology. This course is open to the general public as well as students in special programs or those who wish to review this information.

MEDA 115 Pathophysiology

48-54 hours lecture; 3 units

Grading: Letter Grade Only

Prerequisite: MEDA 55 with a Grade of "C" or better, or equivalent or MEDA 110 with a Grade of "C" or better, or equivalent or BIOL 160 with a Grade of "C" or better, or equivalent

The course focuses on disease processes in the human body from a systems approach. Analysis of the most common and significant diseases is included. The signs and symptoms, etiology, diagnosis, and treatment of disease are examined along with the appropriate medical terminology. This course is designed for students in allied health programs, but is also open to those who wish to broaden their medical background or review this information.

FT; AA/as; CSU.

MULT-Multimedia

MULT 100 Introduction to Visual Communication

32-36 hours lecture/48-54 hours lab; 3 units

Grading: Letter Grade or Pass/No Pass

Limitation on Enrollment: This course is not open to students with previous credit for MULT 101.

This course provides an overview of the design principles and digital tools required to develop a professional level of communication, conceptualization, composition, and visual design skills. Emphasis is placed on modern design theory, standards, & processes, industry standard software, and career opportunities in digital design and multimedia. This course is intended for students interested in game development, graphic design, web design, 3D & 2D animation, video production, and app development.

FT; AA/as; CSU.

MULT 120 Introduction to Video Game Design

48-54 hours lecture; 3 units

Grading: Letter Grade Only

This course is an introduction to the field of video game development. Emphasis is placed on theory and history of interactive video gaming and on the fundamentals of contemporary game design and development. This course is intended for multimedia majors, individuals interested in entering the field of video game development, and anyone interested in the theory and practice of interactive gaming.

FT; AA/as; CSU.

MULT 121 Intermediate Visual Communication

48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

Advisory: MULT 100 with a Grade of "C" or better, or equivalent

This course is designed to develop preliminary skills in the conceptual use of industry standard digital design software. Students produce digitally imaged media elements for a diverse range of applications and present a portfolio of their work. This course is intended for multimedia and art majors and anyone interested in digital image design and editing.

FT; AA/as; CSU.

MULT 122 Advanced Visual Communication

48-54 hours lecture; 3 units

Grading: Letter Grade Only

Advisory: MULT 121 with a Grade of "C" or better, or equivalent

This is a project-based course designed to develop advanced skills in the use of media design software applications. Emphasis is placed on producing conceptual media elements and compositions for a diverse range of applications. This course is intended for multimedia, art, and graphic design students who plan to pursue a career in the design or multimedia industry.

FT; AA/as; CSU.

MULT 123 Digital Video I**48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** MULT 100 with a Grade of "C" or better, or equivalent

This course is a project-based course in the use of nonlinear digital video editing systems. Emphasis is placed on the process of digital video development and production using non-linear video editing techniques. Topics also include the history of film and traditional filmmaking as they relate to current practices. This course is intended for students pursuing careers in the multimedia industry.

FT; AA/as; CSU.**MULT 124 Digital Video II****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** MULT 123 with a Grade of "C" or better, or equivalent

This advanced course is designed to develop and refine technical and conceptual skills in the professional applications of digital design theory and practice. Emphasis is placed on advanced digital methodologies and visual grammar in the design and production of both traditional and non-traditional works. Students complete a portfolio of digital work for professional presentation. This course is intended for multimedia and art majors and anyone interested in digital image design and editing.

MULT 148 Business of Games**32-36 hours lecture/48-54 hours lab; 3 units****Grading:** Letter Grade Only**Limitation on Enrollment:** This course is not open to students with previous credit for MULT 133.

This course provides students with a fundamental understanding of the underlying functions, goals, and language of the video game development business. Students learn lessons from historical game releases that can be applied to new projects alongside general business best practices. Students learn the latest revenue models being used in the video game industry and how to leverage those tools to engage vs. alienate customers. Students research game employment opportunities, develop a resume, online presence, and create a business plan for an independent game project. This course is designed for multimedia students and students seeking employment in the digital entertainment industry.

FT; AA/as; CSU.**MULT 150 Beginning Unity Game Development****32-36 hours lecture/48-54 hours lab; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** MULT 100 with a Grade of "C" or better, or equivalent and MULT 211 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for MULT 112

This is a project-based course designed to develop skills in 2D and 3D game development and introductory gameplay programming. Emphasis is placed on developing interactive environments and games. This course is intended for students interested in the conceptualization, design, and development of 2D & 3D games and applications.

FT; AA/as; CSU.**MULT 152 Intermediate Unity Game Development****32-36 hours lecture/48-54 hours lab; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** MULT 150 with a Grade of "C" or better, or equivalent and MULT 213 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for MULT 114

This is a project-based intermediate Unity course designed to develop skills in game design and gameplay programming. Emphasis is placed on developing interactive games incorporating C#, sound, video and digital assets at the intermediate level. This course is intended for students interested in creating interactive 2D & 3D games.

FT; AA/as; CSU.**MULT 154 Advanced Unity Game Development****32-36 hours lecture/48-54 hours lab; 3 units****Grading:** Letter Grade Only**Advisory:** MULT 152 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for MULT 116

This is a project-based course using Unity for creating online and stand-alone games. Emphasis is placed on the game development processes, including design, story and character development, physics audio, optimization, and deployment. This course is designed for students interested in advanced game development.

FT; AA/as; CSU.

MULT 160 Beginning Unreal Engine**32-36 hours lecture/48-54 hours lab; 3 units****Grading:** Letter Grade Only**Advisory:** MULT 121 with a Grade of "C" or better, or equivalent and MULT 211 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for MULT 130

This course is a guided digital studio approach to developing skills in the use of industry standard game engine software for use in digital interactive game environments. Emphasis is placed on game design and development, optimized 3D design and visualization, interactive 3D scenes and levels, and general multimedia. This course is intended for multimedia majors and anyone pursuing a career in video game development or general multimedia.

FT; AA/as; CSU.**MULT 162 Intermediate Unreal Engine****32-36 hours lecture/48-54 hours lab; 3 units****Grading:** Letter Grade Only**Advisory:** MULT 160 with a Grade of "C" or better, or equivalent and MULT 213 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for MULT 131.

This course is a guided digital studio approach to 3D character & game level design and production. This course combines exercises and individual and group projects to develop necessary skills and techniques in video game production. The course is intended for students who are preparing for more advanced study in 3D modeling, animation, and game design.

FT; AA/as; CSU.**MULT 164 Advanced Unreal Engine****32-36 hours lecture/48-54 hours lab; 3 units****Grading:** Letter Grade Only**Advisory:** MULT 162 with a Grade of "C" or better, or equivalent and MULT 213 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for MULT 132

This class engages the student of Video Game Development in an exploration of interactive environments using methodologies and concepts drawn from both inside and outside the traditional realms of interactive game design. It provides an opportunity for students to engage an audience by channeling their conceptual ideas into interactive digital environments via technologies incorporating programming, sound, compositing, virtual reality, interactivity, and three-dimensional modeling & animation. Emphases include an in-depth examination of contemporary examples of interactive gaming and a cross-sectioned exposure to the art, design, and programming involved in the creation of interactive games. This course serves as a preparatory environment for students to design and create a fully functional interactive game.

FT; AA/as; CSU.**MULT 201 Introduction to 3D Graphics****32-36 hours lecture/48-54 hours lab; 3 units****Grading:** Letter Grade Only

This course is an introduction to 3D computer generated graphics. Emphasis is placed on student exploration of the various facets of 3D modeling and animation processes to create 3D computer generated art while using industry standard software. This course is designed for students interested in and those majoring in 3D Modeling and Animation.

FT; AA/as; CSU.**MULT 211 3D Modeling****32-36 hours lecture/48-54 hours lab; 3 units****Grading:** Letter Grade Only**Prerequisite:** MULT 201 with a Grade of "C" or better, or equivalent**Advisory:** MULT 100 with a Grade of "C" or better, or equivalent

This course covers modeling techniques used for building 3D organic and hard surface objects and environments. Students utilize industry standard techniques to produce a variety of realistic and stylized 3D objects. This course is designed for students interested in and those majoring in 3D Modeling and Animation.

FT; AA/as; CSU.

MULT 213 3D Texturing and Lighting**32-36 hours lecture/48-54 hours lab; 3 units****Grading:** Letter Grade Only**Prerequisite:** MULT 201 with a Grade of "C" or better, or equivalent**Advisory:** MULT 100 with a Grade of "C" or better, or equivalent

This course is an in-depth study about creation and application of realistic and stylized materials, textures and lights to emphasize the desired mood and feel in 3D computer generated scenes. This course is designed for students majoring in 3D Modeling and Animation.

FT; AA/as; CSU.**MULT 215 3D Character Design and Development****32-36 hours lecture/48-54 hours lab; 3 units****Grading:** Letter Grade Only**Prerequisite:** MULT 201 with a Grade of "C" or better, or equivalent**Advisory:** MULT 100 with a Grade of "C" or better, or equivalent

This course is an introduction to character design and modeling. Students design a simple stylized character, then model the character in 3D while using a variety of complementary techniques such as box modeling, edge looping, UV layout and texturing. Basic character rigging and animation is also explored. This course is designed for students majoring in 3D Modeling and Animation.

FT; AA/as; CSU.**MULT 217 3D Studio Pre-Production****32-36 hours lecture/48-54 hours lab; 3 units****Grading:** Letter Grade Only**Prerequisite:** MULT 201 with a Grade of "C" or better, or equivalent**Advisory:** MULT 100 with a Grade of "C" or better, or equivalent

This course is an introduction to industry standard pre-production workflows and processes for animation. Students take a production driven approach to conceptualize and write a script for an animated short film, conduct art research, produce a complete Production Document that serves as a blueprint for the production of an animated film, and validate their ideas and storyboards via an animatic. This course is designed for students majoring in 3D Modeling and Animation.

FT; AA/as; CSU.**MULT 290 Independent Study****48 - 162 hours other; 1-3 units****Grading:** Letter Grade or Pass/No Pass**Limitation on Enrollment:** Obtain Permission Number from Instructor

This course is for students who wish to conduct additional research, a special project, or learning activities in multimedia. It is not intended to replace an existing course in the discipline. In this course students have a written contract with their instructor for activities such as: preparing problem analysis, engaging in primary research, preparing reports, and meeting with the instructor at specific intervals.

MUSI-Music**MUSI 044 Supervised Tutoring in Music****0 units****Grading:** Non-credit Course

This course is designed to prepare the student to succeed in the corequisite and subsequent subject matter courses. This course may be taken four times with a different corequisite subject matter course.

MUSI 100 Introduction to Music**48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass

This course is designed to develop aural and analytical musical skills. Emphasis is placed on conceptual, contextual, and stylistic elements of music from various periods and cultures, and encompassing a range of genres and styles. This course is designed to support students in all majors who are interested in satisfying the general education requirements for Arts and Humanities.

FT; AA/as; CSU; UC; C-ID: MUS 100.**MUSI 103 History of Rock Music****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass

This course surveys the origins and development of Rock music from the 1940s to the present including its roots and related genres. The course focuses on the evolution of different styles within the Rock genre as well as the social, political, economic, and cultural contexts of Rock music. This course is intended for all students interested in the history of Rock music.

FT; AA/as; CSU; UC.

MUSI 108 The Business of Music**48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory: Completion of or concurrent enrollment in:**
ENGL C1000 with a Grade of "C" or better, or equivalent

This course is a comprehensive survey of the music business. Course content emphasizes the various areas of the music business, the functions of each area and the relationships between the areas. Topics include songwriting; music publishing; copyrighting; music licensing; unions and guilds; agents and managers; artists and management; the record industry; artists' recording contracts; studios and engineers; and music in radio, television and advertising. This course is intended for students majoring in music or anyone interested in the music industry.

FT; AA/as; CSU.**MUSI 109 World Music****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass

This music survey course explores the music cultures of South Asia; East Asia; Southeast Asia; the Middle East; Africa; the Americas, Europe, and the Pacific. Musical practices and perspectives from several music cultures are studied with an emphasis on understanding and appreciation from non-ethnocentric viewpoints. Listening perception is developed through lectures and multimedia presentations. This course is intended for students majoring in music or anyone interested in music and culture.

FT; AA/as; CSU; UC.**MUSI 110 Music for Elementary School Teachers****40-45 hours lecture/24-27 hours lab; 3 units****Grading:** Letter Grade Only

This course prepares students to teach music as part of the curriculum in the elementary school classroom, the preschool, or day-care program. Students develop an understanding of musical concepts primarily by singing and playing an instrument, and practice using lesson plans for teaching these concepts to children.

FT; AA/as; CSU.**MUSI 111 Jazz History****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass

This course is a survey of the history and development of Jazz in the United States. Emphasis is placed on the origins of Jazz, the variety of styles that developed throughout the twentieth and twenty-first centuries, current trends, and outstanding performers and composers. This course is intended for all students interested in the history of Jazz.

FT; AA/as; CSU; UC.**MUSI 114 Music of The Beatles****48-54 hours lecture; 3 units****Grading:** Letter Grade Only

This course examines the musical, cultural, and historical impact of the music of The Beatles by surveying their origins, recordings, lyrics, films, solo years, and cultural context. This course is open to all students interested in popular music history.

FT; AA/as; CSU; UC.**MUSI 117 Music in the United States****48-54 hours lecture; 3 units****Grading:** Letter Grade Only

This course introduces students to the history and style of various genres of music from the United States covering pre-colonial times to the present including Native American, Native Hawaiian, religious, martial, classical, folk, blues, ragtime, American popular song, jazz, country, rock, and rap. Analytical, aural, historical, and socio-cultural tools will be used to interpret music in the USA in the broadest perspective relating music to race, identity, gender, and popular culture technology. This course is for students majoring in music or for those who have an interest in music.

FT; AA/as; CSU; UC.**MUSI 118 Asian & Pacific Music****48-54 hours lecture; 3 units****Grading:** Letter Grade Only

This course introduces various traditional & popular Asian & Pacific musics including India, the Middle East, East Asia, Southeast Asia, Central Asia, and Oceania. Areas of emphases include learning about types of musical instruments, ensembles, musical styles, relevant history & geography, cultural contexts, and functions of music in traditional societies. This course is intended for anyone interested in Asian & Pacific music & culture.

FT; AA/as; CSU; UC.**MUSI 119 Music in Latin America & North America****48-54 hours lecture; 3 units****Grading:** Letter Grade Only

This course introduces various traditional musics of both Latin America & North America including origins in Sub-Saharan Africa & Western Europe and Native American musics of the Americas. Areas of emphasis include learning about types of musical instruments, ensembles, musical styles, relevant history & geography, cultural contexts, functions of music in traditional societies, and cultural retention and syncretism in order to understand how the music and culture of these areas of the world are both related and distinct. This course is intended for any student interested in music and culture of Latin America & North America.

FT; AA/as; CSU; UC.

MUSI 123A Recital Hour I**24-27 hours lab; 0.5 units****Grading:** Letter Grade or Pass/No Pass**Limitation on Enrollment:** This course is not open to students with previous credit for MUSI 123

Recital Hour offers a weekly series of live musical concerts in a variety of popular, folk, classical, and world musics for a beginning level audience. Concerts feature well-known international performers, music faculty, and music student performers. This course is designed for anyone interested in music.

MUSI 123B Recital Hour II**24-27 hours lab; 0.5 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** MUSI 123A with a Grade of "C" or better, or equivalent

Recital Hour offers a weekly series of live musical concerts in a variety of popular, folk, classical, and world musics for an intermediate level audience. Concerts feature well-known international performers, music faculty, and music student performers. This course is designed for anyone interested in music.

MUSI 123C Recital Hour III**24-27 hours lab; 0.5 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** MUSI 123B with a Grade of "C" or better, or equivalent

Recital Hour offers a weekly series of live musical concerts in a variety of popular, folk, classical, and world musics for an intermediate-advanced level audience. Concerts feature well-known international performers, music faculty, and music student performers. This course is designed for anyone interested in music.

MUSI 123D Recital Hour IV**24-27 hours lab; 0.5 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** MUSI 123C with a Grade of "C" or better, or equivalent

Recital Hour offers a weekly series of live musical concerts in a variety of popular, folk, classical, and world musics for an advanced level audience. Concerts feature well-known international performers, music faculty, and music student performers. This course is designed for anyone interested in music.

MUSI 124A Piano Class I**48-54 hours lab; 1 unit****Grading:** Letter Grade or Pass/No Pass**Limitation on Enrollment:** This course is not open to students with previous credit for MUSI 115A or MUSI 116A.

This course explores the process of making music at the piano. The focus of the course is to provide a musical experience for students to continue a life-long pursuit of self-expression. This course also emphasizes developing fundamental techniques needed to play the piano. The concept of music theory is also included. Students learn piano techniques and applicable music theory by playing music on the piano through simple solo and ensemble pieces. This course is designed for all students interested in learning to play the piano.

FT; AA/as; CSU; UC; C-ID: MUS 170.**MUSI 124B Piano Class II****48-54 hours lab; 1 unit****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** MUSI 124A with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for MUSI 115B or MUSI 116B. This course further explores the process of making music at the piano as the second semester of piano studies. Students learn piano techniques and applicable music theory by playing music on the piano with additional sight-reading and intermediate piano solo and ensemble music. The course is designed for all students who are interested in further expanding piano studies.

FT; AA/as; CSU; UC; C-ID: MUS 171.**MUSI 125 Music, the Arts, and Society****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This course examines selected musical traditions of the world through critical listening to music, cultural awareness, and political and ethical issues as related to culture and music. Basic musical concepts are introduced to assist students in describing and communicating the experience of listening to music. Students explore how music is an activity with social, political, and artistic functions. These analytical tools help students define their own identity through musical and cultural practices. In addition, this course examines how music is used, how meaning is created, and how music helps to define community. This course is intended for all students interested in music and culture.

FT; AA/as; CSU; UC.

MUSI 126 Rap Music and Hip Hop Culture**48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Advisory:** BLAS 120 with a Grade of "C" or better, or equivalent

This course is a musical history of Rap Music and Hip Hop culture covering the origins of Rap Music and its relationship to the African American historical continuum in music, defining the genre and its sub-genres, and covering the significance of iconic artists & recordings. This course also covers the impact of Rap Music in other genre such as Rock, Jazz, Country & Classical Music composers and its influence in a variety of international cultural contexts & musics. This course is open to all students interested in the history & appreciation of Rap Music.

FT; AA/as; CSU; UC.**MUSI 131 Music of California****48-54 hours lecture; 3 units****Grading:** Letter Grade Only

This course covers a musical history of California as a state where numerous important musical styles developed and flourished. Genres covered includes the music of indigenous Yurok Native Americans, Polyphonic Sacred Music, Cowboy Folk Music, Country & Western, Hollywood musical films, Cool Jazz, Bakersfield Sound Country, Doo-wop, Surf Rock, Psychedelic Rock, Folk-Rock, Country-Rock, Singer-Songwriters, Heavy Metal, Hardcore Punk Rock, West Coast Rap, and the music of innovative Californian Classical Music composers Henry Cowell, Lou Harrison, Harry Partch, and Terry Riley. The course is open to all students interested in the cultural & musical history of California.

FT; AA/as; CSU; UC.**MUSI 134A Voice Class I****48-54 hours lab; 1 unit****Grading:** Letter Grade or Pass/No Pass

Limitation on Enrollment: This course is not open to students with previous credit for MUSI 120A or MUSI 120. This course is an opportunity to explore your singing voice. To become a more expressive singer, a variety of songs are used for developing the range, volume, and tone color of your solo voice. A goal of the course is to provide a musical experience that inspires students to continue singing as a source of self-expression and growth.

FT; AA/as; CSU; UC.**MUSI 134B Voice Class II****48-54 hours lab; 1 unit****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** MUSI 134A with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for MUSI 120B or MUSI 121. This intermediate voice class is an in-depth study of specific elements of efficient vocal technique and performance. These include vowel purity, the International Phonetic Alphabet (IPA) to sing Italian songs, belt singing, and managing stage fright. Vocal exercises and songs from various music styles are performed, including selections made by students. Choral singers, all music majors, elementary education majors and students considering singing as a profession benefit from this class.

FT; AA/as; CSU; UC.**MUSI 134C Voice Class III****48-54 hours lab; 1 unit****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** MUSI 134B with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for MUSI 240A or MUSI 240. This advanced voice class is an in-depth study of specific elements of efficient vocal technique and performance. These include breath management in relation to posture, expressive singing via physical movement, unifying the register and range extension, resonance and vocal registers, expressive singing and stage presence. Vocal exercises and songs from various music styles are performed including selections made by students. Choral singers, all music majors, elementary education majors and students considering singing as a profession benefit from this class.

FT; AA/as; CSU; UC.**MUSI 134D Voice Class IV****48-54 hours lab; 1 unit****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** MUSI 134C with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for MUSI 240B or MUSI 241. This advanced voice class is an in-depth study of specific elements of efficient vocal technique and performance. These include breath management using an efficient onset and release, managing the performance, resonance balancing using consonants, and song analysis to prepare a vocal piece for performance. Choral singers, all music majors, elementary education majors and students considering singing as a profession benefit from this class.

FT; AA/as; CSU; UC.

MUSI 136A Guitar Class I**48-54 hours lab; 1 unit****Grading:** Letter Grade Only**Limitation on Enrollment:** This course is not open to students with previous credit for MUSI 135A.

This is a beginning course designed for students who want to study basic guitar technique and music theory. Students will learn how to read music notation, perform simple solo guitar pieces, basic guitar chords and apply finger style guitar techniques. A goal of this course is to provide the student with a lifelong ability to make guitar music and acquire the skills necessary to reflect upon their process of learning.

FT; AA/as; CSU.**MUSI 136B Guitar Class II****48-54 hours lab; 1 unit****Grading:** Letter Grade Only**Prerequisite:** MUSI 136A with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for MUSI 135B.

This is an intermediate course designed for students who want to further their studies of guitar techniques and music theory. Students will learn how to read music notation in all positions of the guitar, perform intermediate solo guitar pieces, basic guitar chords in all twelve keys and apply more advanced finger style guitar techniques. A goal of this course is to provide the student with a lifelong ability to make guitar music and acquire the skills necessary to reflect upon their process of learning.

FT; AA/as; CSU; UC.**MUSI 138 Women in Music****48-54 hours lecture; 3 units****Grading:** Letter Grade Only

This course introduces various issues concerning women in music. These include the contributions and roles of women as composers and performers in Classical music, Jazz, Gospel, Blues, non-western music, and popular music. Women in opera, musical theater, and the music industry are also covered. This course is designed for students interested in music and women's studies.

FT; AA/as; CSU; UC.**MUSI 139 Music and Social Media****48-54 hours lab; 1 unit****Grading:** Letter Grade Only

This course covers various issues concerning music use on a wide variety of electronic media. These include basic home recording & editing of short promotional music audio, video, images, and posting & streaming on websites and social media in a variety of file types. Students develop the necessary skills for self-promotion of music media on the Internet. This course is designed for students interested in music and technology.

FT; AA/as; CSU.**MUSI 148A Music Theory I****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** MUSI 150A with a Grade of "C" or better, or equivalent**Advisory: Concurrent enrollment in:** MUSI 268A**Limitation on Enrollment:** This course is not open to students with previous credit for MUSI 158A.

This course is a study of music, including structural, historical and stylistic analysis of music of Western classical music, World music, jazz, and popular music. The class will discuss the cultural, social and technical significance of the musical literature, examining rhythms, intervals, chords, cadences, melodies, phrases, notes and scales. Students will develop four-part writing skills using diatonic triads and seventh chords, and learn how to read and compose with figured bass, lead sheet chord symbols and standard musical notation. The history of notation and practice will be discussed as students develop skills in notation software and handwritten notation. This course is intended for music majors.

FT; AA/as; CSU; UC; C-ID: MUS 120.

MUSI 148B Music Theory II**48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** MUSI 148A with a Grade of "C" or better, or equivalent**Advisory: Concurrent enrollment in:** MUSI 268B**Limitation on Enrollment:** This course is not open to students with previous credit for MUSI 258B.

This course series continues in its study of diatonic music including the structural, historical and stylistic analysis of music of Western classical music, World music, jazz, and popular music. The class will discuss the cultural, social and technical significance of the musical literature, examining how melody, structure, harmony, and chord progressions, have an impact on the listener. The course will include analysis of Baroque and Classical pieces of music and an examination of large-scale events and form. The course will also include identifying, creating, and composing with the modes of the major scale. Students will continue to develop four-part writing skills using triads and seventh chords, non-harmonic tones, suspensions, retardations, figured bass, 6/4 chords, modulations and tonicizations. The history of notation and practice will be discussed as students develop skills in notation software and handwritten notation. This course is intended for music majors.

FT; AA/as; CSU; UC; C-ID: MUS 130.**MUSI 150A Basic Musicianship****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass

This course is the study and practice of musical literacy. Emphasis is placed on the development of perceptions in sight and sound as related to the symbols of rhythmic, melodic, and harmonic notation. Topics include skill development in notating notes, intervals, scales, key signatures, rhythms, and chords. Students also identify terms used to indicate navigation, tempo, and dynamics. This course is designed for music majors and musicians.

FT; AA/as; CSU; UC; C-ID: MUS 110.**MUSI 174A Individualized Study I****8-9 hours lecture/24-27 hours lab; 1 unit****Grading:** Letter Grade Only**Limitation on Enrollment:** Tryout or Audition.

This course is not open to students with previous credit for Music 276A

This course is a study in developing technical skills beyond an entry level to perform and present repertoire for a specific instrument or voice. This course is designed for music majors whose technical skills are evident but not yet adequate to begin addressing the needs of artistic self-expression. Students are expected to obtain fifteen one-hour private lessons on their instrument to meet the course objectives. Entrance is by audition.

FT; AA/as; CSU; UC.**MUSI 174B Individualized Study II****8-9 hours lecture/24-27 hours lab; 1 unit****Grading:** Letter Grade Only**Prerequisite:** MUSI 174A with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for Music 276B
This course is a study in developing technical skills beyond a beginning level to perform and present repertoire for a specific instrument or voice. This course is designed for music majors whose technical skills are evident but not yet adequate to begin addressing the needs of artistic self-expression. Students are expected to obtain fifteen one-hour private lessons on their instrument to meet the course objectives.

FT; AA/as; CSU; UC.**MUSI 174C Individualized Study III****8-9 hours lecture/24-27 hours lab; 1 unit****Grading:** Letter Grade Only**Prerequisite:** MUSI 174B with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for MUSI 276C.
This course is a study in developing technical skills at the intermediate level to perform and present repertoire for a specific instrument or voice. This course is designed for music majors whose technical skills are evident but not yet adequate to begin addressing the needs of artistic self-expression. Students are expected to obtain fifteen one-hour private lessons on their instrument to meet the course objectives.

FT; AA/as; CSU; UC.**MUSI 174D Individualized Study IV****8-9 hours lecture/24-27 hours lab; 1 unit****Grading:** Letter Grade Only**Prerequisite:** MUSI 174C with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for MUSI 276D.
This course is a study of performing and presenting repertoire using appropriate techniques for a specific instrument or voice. Students are expected to obtain fifteen one-hour private lessons on their instrument to meet the course objectives. This course is designed for music majors whose technical skills are beyond the intermediate level but not yet adequate to begin addressing the needs of artistic self-expression.

FT; AA/as; CSU; UC.

MUSI 190 Introduction to Music Technology**48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory: Completion of or concurrent enrollment in:** MUSI 150A with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for MUSC 80 or MUSC 162. This course is a study of music/audio as it applies to computer music/audio applications, sequencing Musical Instrument Digital Interface (MIDI), hard disk recording, and recording. Students design and create music/audio projects using microphones, recorders, mixing boards, synthesizers, and samplers. This course is designed for all students interested in music and audio technology.**FT; AA/as; CSU.****MUSI 201 Recording Arts****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** MUSI 190 with a Grade of "C" or better, or equivalent

This course is a study of advanced acoustics and electronic theory as applied to recording, mixing, and sound processing. Emphasis is placed on the various applications of advanced recording, microphone use, and mixing, such as editing, effects processing, production, and other techniques used in the recording process. This course is intended for advanced students who work with recording equipment.

FT; AA/as; CSU.**MUSI 202 Computer Music****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** MUSI 190 with a Grade of "C" or better, or equivalent

This course is a study of the application of contemporary digital technology to the practice of music / audio applications. Emphasis in this course is on acquisition of computer skills to access and manipulate musical data via MIDI (musical instrument digital interface), hard disk audio files and other digital formats. These skills allow students to digitally sample sounds, control synthesizers and samplers, access and alter audio files, sequence music, transcribe and print musical scores and conceive new techniques for computer music. This course is designed for students who are interested in continuing their education in the recording studio.

FT; AA/as; CSU.**MUSI 203 Large Console Audio Recording****48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Prerequisite:** MUSI 190 with a Grade of "C" or better, or equivalent

This course is a hands-on study of the concepts and operating principles of large console music recording in a high quality recording studio environment. Topics include audio signal flow in a large console, operating levels, microphone techniques in stereo and mono, room acoustics, equalization, reverbs, delays, compression/limiting, differences between "live" and multi-track recording, mixing techniques, mastering, differences between analog and digital recording and processing, and preparation of compact audio discs (CDs). This course is intended for all students interested in the recording studio.

FT; AA/as; CSU.**MUSI 206A Projects in Composition I****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** MUSI 150A with a Grade of "C" or better, or equivalent

This course is designed for all composers, songwriters, and music majors who want to learn composition or who are actively composing music. In this course students receive instruction in music composition (acoustic and/or electronic) at the beginner level. Students create a portfolio of music in any style or genre. The method of composition can be either score-based in musical notation or through electronic music production. Students create new music, present their work to colleagues, reflect and respond to one another, discuss musical processes, craft, techniques, and approaches. The focus is on developing a daily compositional practice, discovering your own musical voice, and creating a lifelong musical compositional practice.

FT; AA/as; CSU.

MUSI 206B Projects in Composition II**48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** MUSI 206A with a Grade of "C" or better, or equivalent

This course is designed for all composers, songwriters, and music majors who want to learn composition or who are actively composing music. In this course students receive instruction in music composition (acoustic and/or electronic) at the intermediate level. Students create a portfolio of music in any style or genre. The method of composition can be either score-based in musical notation or through electronic music production. Students create new music, present their work to colleagues, reflect and respond to one another, discuss musical processes, craft, techniques, and approaches. The focus is on developing a daily compositional practice, discovering your own musical voice, and creating a lifelong musical compositional practice.

FT; AA/as; CSU.**MUSI 206C Projects in Composition III****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** MUSI 206B with a Grade of "C" or better, or equivalent

This course is designed for all composers, songwriters, and music majors who want to continue learning composition. In this level, students create original songs in a variety of popular music styles and genres: Folk, Blues, Jazz, Rock, and Electronic Dance Music (EDM).

FT; AA/as; CSU; UC.**MUSI 206D Projects in Composition IV****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** MUSI 206C with a Grade of "C" or better, or equivalent

This course is designed for all composers, songwriters, and music majors who want to continue learning music composition. In this level, students create original music for film and television scoring, musical theatre/opera, and video games composition.

FT; AA/as; CSU; UC.**MUSI 209A Recording Studio Internship I****48-54 hours lab; 1 unit****Grading:** Letter Grade Only**Prerequisite:** MUSI 190 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for MUSI 209

This course is designed to provide advanced music technology students with the opportunity to develop skills through assisting beginning and intermediate level music students in the Recording Studio. Emphasis is placed on assisting students with security, scheduling and safety procedures. This course is designed for advanced Music Technology students.

FT; AA/as; CSU.**MUSI 209B Recording Studio Internship II****48-54 hours lab; 1 unit****Grading:** Letter Grade Only**Prerequisite:** MUSI 209A with a Grade of "C" or better, or equivalent

This course is designed to provide advanced music technology students with the opportunity to develop skills through assisting beginning and intermediate level music students in the Recording Studio. Emphasis is placed on assisting students with proper protocol, skills and knowledge learned in the music technology courses. This course is designed for advanced music technology students.

FT; AA/as; CSU.**MUSI 224A Piano Class III****48-54 hours lab; 1 unit****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** MUSI 124B with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for MUSI 215A and MUSI 215B or MUSI 216 or MUSI 216A.

This course further explores the process of making music at the piano as the third semester of piano studies. Emphasis is placed on piano technique and music theory including music notation reading, scales, chords, harmonization, and performance of intermediate level piano literature and four-part scores. This course is designed for all students who are interested in intensive piano studies.

FT; AA/as; CSU; UC; C-ID: MUS 172.

MUSI 230A Jazz Improvisation I**48-54 hours lab; 1 unit****Grading:** Letter Grade or Pass/No Pass**Advisory:** MUSI 150A with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for MUSI 153.

This course provides the opportunity to develop skills in basic Jazz improvisation. Students learn to read and interpret basic Jazz rhythms and notation, determine chord/scale relationships, and play standard motifs and rhythms so as to create their own improvised solos within a combo setting. This is an interactive course open to all students who can read music, understand basic chord structures, and have performance skills beyond an entry level on their instruments.

FT; AA/as; CSU; UC.**MUSI 230B Jazz Improvisation II****48-54 hours lab; 1 unit****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** MUSI 230A with a Grade of "C" or better, or equivalent

This course provides the opportunity to develop skills in intermediate Jazz improvisation. Students learn to read and interpret Jazz rhythms and notation, determine chord/scale relationships, and play standard motifs and rhythms so as to create their own improvised solos within a combo setting. This is an interactive course open to all students who can read music, understand chord structures, and have performance skills beyond an entry level on their instruments.

MUSI 230C Jazz Improvisation III**48-54 hours lab; 1 unit****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** MUSI 230B with a Grade of "C" or better, or equivalent

This course provides the opportunity to develop skills in intermediate/advanced Jazz improvisation. Students learn to read and interpret Jazz rhythms and notation, determine chord/scale relationships, and play standard motifs and rhythms so as to create their own improvised solos within a combo setting. This is an interactive course open to all students who can read music, understand chord structures, and have performance skills beyond an entry level on their instruments.

FT; AA/as; CSU; UC.**MUSI 230D Jazz Improvisation IV****48-54 hours lab; 1 unit****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** MUSI 230C with a Grade of "C" or better, or equivalent

This course provides the opportunity to develop skills in advanced Jazz improvisation. Students learn to read and interpret Jazz rhythms and notation, determine chord/scale relationships, and play standard motifs and rhythms so as to create their own improvised solos within a combo setting. This is an interactive course open to all students who can read music, understand chord structures, and have performance skills beyond an entry level on their instruments.

FT; AA/as; CSU; UC.**MUSI 248A Music Theory III****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** MUSI 148B with a Grade of "C" or better, or equivalent**Advisory: Concurrent enrollment in:** MUSI 269A**Limitation on Enrollment:** This course is not open to students with previous credit for MUSI 258A.

This course is the third in a four semester sequence. It includes a detailed study of compositional techniques and structure in the music of the 18th and 19th centuries. The emphasis is on further development of analysis and writing skills using chromatic harmonies including secondary dominants, secondary leading tone chords, chromatic thirds, modulations, expanded tonicization, modal borrowing, modal mixture, altered predominants and altered dominant chords. The course includes analysis and writing of two-part tonal counterpoint and the analysis of Sonata form, binary and ternary forms. This course is designed for the student pursuing music as a major or for the student interested in enhancing technical knowledge of music.

FT; AA/as; CSU; UC; C-ID: MUS 140.**MUSI 257A Guitar Ensemble I****48-54 hours lab; 1 unit****Grading:** Letter Grade Only**Limitation on Enrollment:** Tryout or Audition.

This course is not open to students with previous credit for MUSI 255 or MUSI 256A.

This course is a beginning-intermediate guitar ensemble for the study and performance of selected guitar ensemble works. Students practice and perform a wide variety of works from different historical areas, and develop their skills in reading music, guitar technique and interpretation. Attendance at rehearsals and performances is required.

This course is designed for students majoring music who want to advance their ensemble skills by participating in an ensemble group.

FT; AA/as; CSU; UC; C-ID: MUS 185.

MUSI 257B Guitar Ensemble II**48-54 hours lab; 1 unit****Grading:** Letter Grade Only**Prerequisite:** MUSI 257A with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for MUSI 256B.

This course is an intermediate guitar ensemble for the study and performance of selected guitar ensemble works. Students practice and perform a wide variety of works from different historical areas, and develop their skills in reading music, guitar technique and interpretation. Attendance at rehearsals and performances is required. This course is designed for music majors wanting to advance their skills in ensemble groups.

FT; AA/as; CSU; UC; C-ID: MUS 185.**MUSI 257C Guitar Ensemble III****48-54 hours lab; 1 unit****Grading:** Letter Grade Only**Prerequisite:** MUSI 257B with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for MUSI 256C.

This course is an intermediate guitar ensemble for the study and performance of selected guitar ensemble works. Students practice and perform a wide variety of works from different historical areas, and develop their skills in reading music, guitar technique and interpretation. Attendance at rehearsals and performances is required. This course is designed for students majoring music who want to advance their ensemble skills by participating in an ensemble group.

FT; AA/as; CSU; UC; C-ID: MUS 185.**MUSI 257D Guitar Ensemble IV****48-54 hours lab; 1 unit****Grading:** Letter Grade Only**Prerequisite:** MUSI 257C with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for MUSI 256D.

This course is an advanced guitar ensemble for the study and performance of selected guitar ensemble works. Students practice and perform a wide variety of works from different historical areas, and develop their skills in reading music, guitar technique and interpretation. Attendance at rehearsals and performances is required. This course is designed for students majoring music who want to advance their ensemble skills by participating in an ensemble group.

FT; AA/as; CSU; UC; C-ID: MUS 185.**MUSI 259A Choir I****48-54 hours lab; 1 unit****Grading:** Letter Grade Only**Advisory:** MUSI 134A with a Grade of "C" or better, or equivalent and MUSI 150A with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** Tryout or Audition.

This course is not open to students with previous credit for MUSI 212, MUSI 212A, MUSI 210A or MUSI 211A.

Choir I is a mixed voice choral ensemble that prepares and performs a wide variety of choral works. Students develop a high level of artistic choral singing through directed rehearsal, and perform at public concerts, choir festivals, and/or on choir tours. Enrollment is by audition. While prospective members are expected to have some previous choral and vocal experience, all students are encouraged to audition. Attendance at rehearsals and performances is required.

FT; AA/as; CSU; UC; C-ID: MUS 180.**MUSI 259B Choir II****48-54 hours lab; 1 unit****Grading:** Letter Grade Only**Prerequisite:** MUSI 259A with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** Tryout or Audition.

This course is not open to students with previous credit for MUSI 212, MUSI 212B, MUSI 210B or MUSI 211B.

Choir II is a mixed voice choral ensemble that prepares and performs a wide variety of choral works. Students develop a high level of artistic choral singing through directed rehearsal, and perform at public concerts, choir festivals, and/or on choir tours. Enrollment is by audition.

Prospective members are expected to have choral and vocal experience beyond Vocal Ensemble I. Attendance at rehearsals and performances is required. Enrollment is by audition. Members are expected to have some music reading skills as well as choral and vocal experience. Attendance at rehearsals and performances is required.

FT; AA/as; CSU; UC; C-ID: MUS 180.

MUSI 259C Choir III**48-54 hours lab; 1 unit****Grading:** Letter Grade Only**Prerequisite:** MUSI 259B with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** Tryout or Audition.

This course is not open to students with previous credit for MUSI 212, MUSI 212C, MUSI 210C or MUSI 211C.

Choir III is a mixed voice choral ensemble that prepares and performs a wide variety of choral works. Students develop a high level of artistic choral singing through directed rehearsal, and perform at public concerts, choir festivals, and/or on choir tours. Enrollment is by audition. Prospective members are expected to have choral and vocal experience beyond Vocal Ensemble II. Attendance at rehearsals and performances is required.

FT; AA/as; CSU; UC; C-ID: MUS 180.**MUSI 259D Choir IV****48-54 hours lab; 1 unit****Grading:** Letter Grade Only**Prerequisite:** MUSI 259C with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** Tryout or Audition.

This course is not open to students with previous credit for MUSI 212, MUSI 212D, MUSI 210D or MUSI 211D.

Choir IV is a mixed voice choral ensemble that prepares and performs a wide variety of choral works. Students develop a high level of artistic choral singing through directed rehearsal, and perform at public concerts, choir festivals, and/or on choir tours. Enrollment is by audition. Prospective members are expected to have choral and vocal experience beyond Vocal Ensemble III. Attendance at rehearsals and performances is required.

FT; AA/as; CSU; UC; C-ID: MUS 180.**MUSI 261A World Music Ensemble I****48-54 hours lab; 1 unit****Grading:** Letter Grade Only**Limitation on Enrollment:** This course is not open to students with previous credit for MUSI 251A.

World Music Ensemble I is a performance ensemble that exposes students to a variety of world music traditions, including those found in Uganda (East Africa), Ghana (West Africa), Zaïre (Central Africa), Brazil (South America), and the Middle East. Students learn basic drumming techniques on a variety of percussion instruments with sticks & hands, basic traditional rhythms, and learn to sing traditional vocal pieces in a foreign language. Repertoire is learned through oral tradition and alternative notation. There is no prior experience or audition required. This course is open to all students who have an interest in music.

FT; AA/as; CSU; UC.**MUSI 261B World Music Ensemble II****48-54 hours lab; 1 unit****Grading:** Letter Grade Only**Prerequisite:** MUSI 261A with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for MUSI 251B.

World Music Ensemble II is a performance ensemble that exposes students to a variety of world music traditions, including those found in Uganda (East Africa), Ghana (West Africa), Zaïre (Central Africa), and Brazil (South America). Students learn intermediate drumming techniques on a variety of percussion instruments with sticks and hands, intermediate traditional rhythms, learn to sing traditional vocal pieces in foreign languages, and learn traditional intermediate xylophone repertoire. Repertoire is learned through oral tradition and alternative notation. There is no prior experience or audition required. This course is open to all students who have an interest in music.

FT; AA/as; CSU; UC.**MUSI 261C World Music Ensemble III****48-54 hours lab; 1 unit****Grading:** Letter Grade Only**Prerequisite:** MUSI 261B with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for MUSI 251C.

World Music Ensemble III is a performance ensemble that exposes students to a variety of world music traditions, including those found in Uganda (East Africa), Ghana (West Africa), Zaïre (Central Africa), and Brazil (South America). Students learn intermediate-advanced drumming techniques on a variety of percussion instruments with stick and hands, traditional hand drumming repertoire, and learn to sing traditional vocal pieces in foreign languages. Repertoire is learned through oral tradition and alternative notation. There is no prior experience or audition required. This course is open to all students who have an interest in music.

FT; AA/as; CSU; UC.

MUSI 261D World Music Ensemble IV**48-54 hours lab; 1 unit****Grading:** Letter Grade Only**Prerequisite:** MUSI 261C with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for MUSI 251D. World Music Ensemble IV is a performance ensemble that exposes students to a variety of world music traditions, including those found in Uganda (East Africa), Ghana (West Africa), Zaïre (Central Africa), and Brazil (South America). Students learn advanced drumming techniques on a variety of percussion instruments, Advanced traditional rhythms, and learn to sing several traditional vocal pieces in multiple foreign languages. Repertoire is learned through oral tradition and alternative notation. There is no prior experience or audition required. This course is open to all students who have an interest in music.

FT; AA/as; CSU; UC.**MUSI 262A Jazz Big Band I****48-0 hours lab; 1 unit****Grading:** Letter Grade or Pass/No Pass**Limitation on Enrollment:** Tryout or Audition.

This course is not open to students with previous credit for MUSI 252 or 252A.

This ensemble is open to any student experienced in music interested in performing Jazz big band repertoire at the beginning level. Instrumentation includes saxophones, trumpets, trombones, piano, guitar, bass, and drums. This ensemble gives public concerts and focuses on developing skills in reading music, improvisation, and ensemble performance in a variety of Jazz styles. Attendance at rehearsals and performances is required. This course is designed for students interested in playing in a Jazz Big Band.

FT; AA/as; CSU; UC; C-ID: MUS 180.**MUSI 262B Jazz Big Band II****48-54 hours lab; 1 unit****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** MUSI 262A with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** Tryout or Audition.

This course is not open to students with previous credit for MUSI 252B.

This ensemble is open to any student experienced in music interested in performing Jazz big band repertoire at the intermediate level. Instrumentation includes saxophones, trumpets, trombones, piano, guitar, bass, and drums. This ensemble gives public concerts and focuses on developing skills in reading music, improvisation, instrument doubling, transcription, and ensemble performance in a variety of Jazz styles. Attendance at rehearsals and performances is required. This course is designed for students interested in playing in a Jazz Big Band.

FT; AA/as; CSU; UC; C-ID: MUS 180.**MUSI 262C Jazz Big Band III****48-54 hours lab; 1 unit****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** MUSI 262B with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** Tryout or Audition.

This course is not open to students with previous credit for MUSI 252C.

This ensemble is open to any student experienced in music interested in performing Jazz big band repertoire at the intermediate-advanced level. Instrumentation includes saxophones, trumpets, trombones, piano, guitar, bass, and drums. This ensemble gives public concerts and focuses on developing skills in reading music, improvisation, stylistic interpretation, extended soloing, and ensemble performance in a variety of Jazz styles. Attendance at rehearsals and performances is required. This course is designed for students interested in playing in a Jazz Big Band.

FT; AA/as; CSU; UC; C-ID: MUS 180.

MUSI 262D Jazz Big Band IV**48-54 hours lab; 1 unit****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** MUSI 262C with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** Tryout or Audition.

This course is not open to students with previous credit for MUSI 252D.

This ensemble is open to any student experienced in music interested in performing Jazz big band repertoire at the advanced level. Instrumentation includes saxophones, trumpets, trombones, piano, guitar, bass, and drums. This ensemble gives public concerts and focuses on developing skills in reading music, improvisation, and ensemble performance in a variety of Jazz styles. Attendance at rehearsals and performances is required. This course is designed for students interested in playing in a Jazz Big Band.

FT; AA/as; CSU; UC; C-ID: MUS 180.**MUSI 264A Jazz Ensemble I****48-0 hours lab; 1 unit****Grading:** Letter Grade or Pass/No Pass**Advisory:** MUSI 150A with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for MUSI 253A.

This course is a study of small Jazz ensemble music performance at the beginning level. Students are seated in ensemble according to their technical ability in preparation for performance. This ensemble gives 2 public concerts and focuses on developing basic skills in reading music, improvisation, and ensemble performance in a variety of Jazz styles. This course is designed for music majors and anyone interested in playing with a small Jazz ensemble.

FT; AA/as; CSU; UC; C-ID: MUSI 185.**MUSI 264B Jazz Ensemble II****48-0 hours lab; 1 unit****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** MUSI 264A with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for MUSI 253B.

This course is a study of small Jazz ensemble music performance at the intermediate level. Students are seated in ensemble groups according to their technical ability in preparation for performance. This ensemble gives 2 public concerts and focuses on developing intermediate skills in sight-reading music, transposition, improvisation, and ensemble performance in a variety of Jazz styles. This course is designed for music majors and anyone interested in playing with a small Jazz ensemble.

FT; AA/as; CSU; UC; C-ID: MUSI 185.**MUSI 264C Jazz Ensemble III****48-0 hours lab; 1 unit****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** MUSI 264B with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for MUSI 253C

This course is a study of small Jazz ensemble music performance at the intermediate-advanced level. Students are seated in ensemble groups according to their technical ability in preparation for performance. This ensemble gives 2 public concerts and focuses on developing intermediate-advanced skills in sight-reading music, transposition, arrangements, application of theory, improvisation, and ensemble performance in a variety of Jazz & Latin styles. This course is designed for music majors and anyone interested in playing with a small Jazz ensemble.

FT; AA/as; CSU; UC; C-ID: MUSI 185.**MUSI 264D Jazz Ensemble IV****48 hours lab; 1 unit****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** MUSI 264C with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for MUSI 253D.

This course is a study of small Jazz ensemble music performance at the advanced level. Advanced students are assigned to first chair of each section of the ensemble and to lead each part. This course is designed for music majors and anyone interested in playing with a small Jazz ensemble.

FT; AA/as; CSU; UC; C-ID: MUSI 185.

MUSI 268A Ear Training I

48-54 hours lab; 1 unit

Grading: Letter Grade or Pass/No Pass

Prerequisite: MUSI 150A with a Grade of "C" or better, or equivalent

Advisory: MUSI 148A with a Grade of "C" or better, or equivalent

The course is designed to facilitate perception, performance, and identification of melodic, harmonic, and rhythmic patterns in music. This course consists of sight singing scales, melodies & rhythms, notating melodies, harmonies & rhythms, and identifying chords & intervals. The emphasis is on the development of basic skills in sight singing and dictation: the sight singing and notating of short diatonic melodies containing seconds, thirds, fourths, fifths & octaves, the identification of major, minor, augmented & diminished triads in root position, harmonic dictation of primary triads in major keys, and rhythmic dictation with duple, triple & quadruple subdivisions of the beat. This course is designed for the music majors and students interested in enhancing technical knowledge and skills in music.

FT; AA/as; CSU; UC; C-ID: MUS 125.

MUSI 268B Ear Training II

48-54 hours lab; 1 unit

Grading: Letter Grade or Pass/No Pass

Prerequisite: MUSI 268A with a Grade of "C" or better, or equivalent

This course is the second of a four-course sequence in ear training. Emphasis is placed on continued development of skill in sight singing major and minor melodies which contain seconds, thirds, fourths, fifths, sixths, sevenths, octaves and the tritone; melodic dictation containing triadic arpeggiations; harmonic identification of all diatonic triads in root position and inversions and in major and minor keys; rhythmic dictation with duple, triple, and quadruple subdivisions of the beat in simple and compound meters; notation of two-part and four-part dictation; and identification of errors in melodic phrases. This course is designed for the student pursuing music as a major or for the student interested in enhancing technical knowledge and skills.

FT; AA/as; CSU; UC; C-ID: MUS 135.

MUSI 269A Ear Training III

48-54 hours lab; 1 unit

Grading: Letter Grade or Pass/No Pass

Prerequisite: MUSI 268B with a Grade of "C" or better, or equivalent

This course is the third semester of a four semester series. Emphasis is on continued development of skills in sight singing melodies which contain all intervals; melodic dictation of longer phrases which contain modulations; harmonic identification of all diatonic seventh chords and harmonic dictation of chorale phrases which modulate; rhythmic dictation with quarter and eighth beat values and in simple and compound meters; and identification of all triads in all inversions and seventh chords in root position. This course is designed for the student pursuing a music major or the student interested in enhancing technical knowledge and skills.

FT; AA/as; CSU; UC.

MUSI 274A Applied Music I

48-54 hours lab; 1 unit

Grading: Letter Grade Only

Limitation on Enrollment: This course is not open to students with previous credit for MUSI 275A Tryout or Audition.

This course is an applied study of performing and presenting repertoire beyond a basic level of artistic self-expression for a specific instrument or voice. Emphasis is placed on the development of specific skills needed for artistry. This course is designed for music majors.

FT; AA/as; CSU; UC; C-ID: MUS 160.

MUSI 274B Applied Music II

48-54 hours lab; 1 unit

Grading: Letter Grade Only

Prerequisite: MUSI 274A with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for MUSI 275B This course is an applied study of performing and presenting repertoire beyond a beginning level of artistic self-expression for a specific instrument or voice. Emphasis is placed on the further development of specific skills needed for artistry. This course is designed for music majors.

FT; AA/as; CSU; UC; C-ID: MUS 160.

MUSI 274C Applied Music III**48-54 hours lab; 1 unit****Grading:** Letter Grade Only**Prerequisite:** MUSI 274B with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for MUSI 275C
This course is an applied study of performing and presenting repertoire at the intermediate level of artistic self-expression for a specific instrument or voice. Emphasis is placed on refining specific skills needed for artistry. This course is designed for music majors.

FT; AA/as; CSU; UC; C-ID: MUS 160.**MUSI 274D Applied Music IV****48-54 hours lab; 1 unit****Grading:** Letter Grade Only**Prerequisite:** MUSI 274C with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for MUSI 275D
This course is a study in developing technical skills at the advanced level to perform and present repertoire for a specific instrument or voice. This course is designed for music majors whose technical skills are evident but not yet adequate to begin addressing the needs of artistic self-expression. Students are expected to obtain fifteen one-hour private lessons on their instrument to meet the course objectives.

MUSI 290 Independent Study**48 - 162 hours other; 1-3 units****Grading:** Letter Grade or Pass/No Pass**Limitation on Enrollment:** Obtain Permission Number from Instructor

This course affords students the opportunity to pursue special interests in music. Projects may include extended research on music subjects addressed in scheduled music classes as well as topics outside the music curriculum. The culmination of the course may include a written paper, presentation or performance. An Independent Study has to be arranged with, approved and monitored by a member of the music faculty.

FT; AA/as; CSU.

NAIS-Native American and Indigenous Studies**NAIS 100 Introduction to Native American and Indigenous Studies****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass

This course is an overview of the history, cultures, and struggles of the Indigenous of the United States. Emphasis is placed on examining the knowledge produced by the lived experiences of Native Americans in relation to colonization and racial and spiritual identity and affirmation. Topics include the critical evaluation of the role of race and racism in Indigenous communities and experiences as well as the relevance of resistance and racial and social justice to United States institutions and structures. This course is intended for students interested in the fields of American Indian Studies, Ethnic Studies, or exploring the history and experiences of Native Americans.

FT; AA/as; CSU; UC.**NAIS 150 Introduction to Federal Indian Law****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass

This course provides an overview of the concepts of Federal Indian Law, including a history and modern analysis of the discipline from European contact to the present. Emphasis is placed on the legal relationship between Indian Nations and the federal government and the role that treaties played in the development of this relationship. Topics include the examination of tribal sovereignty, the Doctrine of Discovery, the federal trust responsibility, and criminal and civil jurisdiction in Indian Country. This course is intended for students interested in the field of American Indian Studies or exploring the history and experiences of Native Americans.

NAIS 200 American Indian Spirituality**48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass

This course is an introduction to American Indian spirituality. Emphasis is placed on examining the sources and qualities of American Indian spirituality and how it contrasts with notions of religion in Western Civilization. Topics include exploring the creation stories and oral traditions of Indian nations as well as examining how the deprivation of access to spiritual practices and resources has negatively impacted Native communities. This course is intended for students interested in the field of Native American studies or exploring the history and experiences of Native Americans.

FT; AA/as; CSU; UC.**NAIS 220 Native Americans and Environmental Issues****48-54 hours lecture; 3 units****Grading:** Letter Grade Only

This course is an overview of the historical and current relationships that Native Americans developed with their natural environment. Emphasis is placed on how these relationships were holistic and spiritually-based relationships have been detrimentally impacted by contact with Western Civilization. Topics include an analysis of how Climate Change has affected Indian communities and how Tribal Governments exercise tribal sovereignty to protect their environmental resources. This course is intended for students interested in the field of Native American Studies or exploring the history and experiences of Native Americans.

FT; AA/as; CSU; UC.**NAIS 240 Native American Educational Issues****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass

This course examines American educational policies and practices regarding Native Americans and Indian Nations' responses designed to improve the educational outcomes of their students. Emphasis is placed on traditional Native learning models in contrast to American educational models. Topics include the negative impact of Indian boarding schools, the formation of tribally-controlled colleges, and the development of Native American Studies discipline. This course is intended for students majoring in Native American Studies and all those interested in exploring the history and experiences of Native Americans.

FT; AA/as; CSU; UC.**NAIS 260 Native American Language Preservation and Revitalization****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass

This course is an overview of the history, struggles, and practices that Native American communities experienced and implemented to preserve and revitalize their Indigenous languages. Emphasis is placed on the spiritually vital role Indian languages play in Indian communities and the cultural harm Indian communities suffer from the reduction or loss of their Indigenous language. Topics include federal policies aimed at suppressing Indian Nations as well as Native American-initiated language preservation and revitalization strategies and programs. This course is intended for students majoring in Native American Studies and all those interested in exploring the history and experiences of Native Americans.

FT; AA/as; CSU; UC.

NDTE-Neurodiagnostic Technology**NDTE 101 Basic Electroencephalography****48-54 hours lecture/96-108 hours lab; 5 units****Grading:** Letter Grade Only**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course covers the fundamentals of electroencephalography (EEG). The application of electrodes, basic waveforms, artifacts and introduction to the EEG machine are covered. The course is designed for students enrolled in the Neurodiagnostic Technology Program.

FT; AA/as; CSU.**NDTE 121 Neurodiagnostic Lab Practice****24-27 hours lab; 0.5 units****Grading:** Letter Grade Only**Corequisite:** Completion of or concurrent enrollment in: NDTE 101 with a Grade of "C" or better, or equivalent
Limitation on Enrollment: Special Admission - must be admitted to program.

This course is an application of basic technical skills to successfully record routine electroencephalographic (EEG) and Evoked Potential (EP) procedures according to published American Clinical Neurophysiology Society's (ACNS) guidelines. This course is designed for students enrolled in the Neurodiagnostic Technology Program.

FT; AA/as; CSU.

NDTE 131 Advanced Electroencephalography**48-54 hours lecture/48-54 hours lab; 4 units****Grading:** Letter Grade Only**Prerequisite:** NDTE 101 with a Grade of "C" or better, or equivalent and HEIT 130 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course builds upon knowledge and skill acquired in basic electroencephalography (EEG) and is an introduction to the abnormal EEG, maturational changes, and the basic electronic principles upon which successful electroencephalographic techniques are based. The course is designed for students enrolled in the Neurodiagnostic Technology program.

FT; AA/as; CSU.**NDTE 133 Introduction to Neuroanatomy and Neurophysiology****48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Prerequisite:** MEDA 55 with a Grade of "C" or better, or equivalent or BIOL 160 with a Grade of "C" or better, or equivalent or BIOL 230 with a Grade of "C" or better, or equivalent and BIOL 235 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course is an introduction to the anatomy and physiology of the central and peripheral nervous systems. Related symptoms and pathologies are presented. This course is designed for students enrolled in the Neurodiagnostic Technology program.

FT; AA/as; CSU.**NDTE 135 EEG Record Review****40-45 hours lecture; 2.5 units****Grading:** Letter Grade Only**Corequisite: Completion of or concurrent enrollment in:** NDTE 131 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course is a practice in electroencephalograph (EEG) record review of normal adult and pediatric patients, and progresses to EEG record review of neurological patients. Technical description of normal EEG patterns lays the foundation for the remainder of the course. Emphasis is placed on abnormal EEG patterns, their classification and their correlation to clinical disorders. This course is designed for students enrolled in the Neurodiagnostic Technology Program.

FT; AA/as; CSU.**NDTE 140 Directed Clinical Practice I****96 - 108 hours other; 2 units****Grading:** Letter Grade Only**Prerequisite:** NDTE 101 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course is the beginning clinical experience of electroencephalographic (EEG) testing on patients at an affiliated neurodiagnostic laboratory. The clinical experience provides students a supervised application of previously-learned techniques and skills. These include application of electrodes, performance of EEG testing on clinical patients, medical recordkeeping and clinical history reporting in a timely manner. The focus is on safe, legal and professional behavior. This course also fosters the development of communication skills and interpersonal relationships required for the healthcare field. Supervision of the students is provided by a neurodiagnostic technologist and/or physician of the affiliating institution and is coordinated by the college faculty. This course is designed for students enrolled in the Neurodiagnostic Technology Program.

FT; AA/as; CSU.**NDTE 150 Directed Clinical Practice II****96 - 108 hours other; 2 units****Grading:** Letter Grade Only**Corequisite: Completion of or concurrent enrollment in:** NDTE 131 with a Grade of "C" or better, or equivalent and NDTE 140 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course is the second clinical experience in electroencephalographic (EEG) testing at an affiliated healthcare facility. The clinical experience provides students a supervised application of previously learned techniques and skills. The course builds on skills attained in the first clinical experience course including performance of EEG testing on clinical patients, medical record keeping and clinical history taking in a timely manner. The focus is on safe, legal and professional behavior. This course also fosters the development of communication skills and interpersonal relationships required for the healthcare field. Supervision of the students is provided by a neurodiagnostic technologist and/or physician of the affiliating institution and is coordinated by the college faculty. This course is designed for students enrolled in the Neurodiagnostic Technology Program.

FT; AA/as; CSU.

NDTE 201 Evoked Potentials**48-54 hours lecture/48-54 hours lab; 4 units****Grading:** Letter Grade Only**Prerequisite:** NDTE 101 with a Grade of "C" or better, or equivalent and NDTE 133 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course includes terminology, concepts and techniques of evoked potential (EP) recording with testing modalities of visual, auditory and somatosensory systems are presented. An overview of EP instrumentation and technical concepts is included. Analysis of the clinical correlations of evoked potential testing and waveform analysis correlating to common neurological diseases is emphasized. This course is designed for students enrolled in the Neurodiagnostic Technology Program.

FT; AA/as; CSU.**NDTE 203 Neurologic Disorders****48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Prerequisite:** NDTE 131 with a Grade of "C" or better, or equivalent and NDTE 133 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** Special Admission - must be admitted to program.

Clinical and electroneurodiagnostic correlations to various physical conditions and disease states which are commonly dealt with in neurodiagnostic technology are covered in this course. The relationship of technologists to various medical specialties (including neurology, neurosurgery, pathology, radiology, internal medicine, and psychiatry) is emphasized. This course is designed for students enrolled in the Neurodiagnostic Technology Program.

FT; AA/as; CSU.**NDTE 206 Introduction to Transcranial Doppler****16-18 hours lecture; 1 unit****Grading:** Letter Grade Only**Prerequisite:** NDTE 133 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course is an introduction to transcranial Doppler (TCD) procedures and recording techniques. The basic set-up for TCD as well as changes that may be seen and heard during TCD are covered. The course is designed for students enrolled in the Neurodiagnostic Technology Program.

FT; AA/as; CSU.**NDTE 209 Introduction to Nerve Conduction Velocity****16-18 hours lecture; 1 unit****Grading:** Letter Grade Only**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course is an introduction to nerve conduction velocity (NCV) testing procedures and recording techniques. The basic set-up for NCV and the most common changes seen during NCV are covered. The course is designed for students enrolled in the Neurodiagnostic Technology Program.

FT; AA/as; CSU.**NDTE 220 Polysomnography Basics****16-18 hours lecture; 1 unit****Grading:** Letter Grade Only**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course is an introduction to the pathology of a variety of sleep-related disorders. The basic set-up for a polysomnogram and treatment modalities is covered. The course is designed for students enrolled in the Neurodiagnostic Technology Program.

FT; AA/as; CSU.**NDTE 223 Introduction to Intraoperative Monitoring****28-31.5 hours lecture/12-13.5 hours lab; 2 units****Grading:** Letter Grade Only**Prerequisite:** NDTE 201 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course is an introduction to intraoperative neurophysiologic monitoring (IONM) recording strategies. Analysis of signal changes during an operation are correlated with anesthetic agents, metabolic effects, and/or the effects of surgical trauma. IONM scenarios are demonstrated and practiced in the classroom laboratory. This course is designed for students enrolled in the Neurodiagnostic Technology Program.

FT; AA/as; CSU.

NDTE 226 Microcomputer Applications in Neurodiagnostics**28-31.5 hours lecture/12-13.5 hours lab; 2 units****Grading:** Letter Grade Only**Prerequisite:** NDTE 131 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course covers specialized computer applications in neurodiagnostic technology. Testing modalities of electroencephalography (EEG), evoked potentials (EP), epilepsy monitoring and automated diagnostic techniques are presented. Opportunities for hands-on use of digital equipment are integrated into the classroom and during field trips. This course is designed for students enrolled in the Neurodiagnostic Technology Program.

FT; AA/as; CSU.**NDTE 250 Directed Clinical Practice III****144 - 162 hours other; 3 units****Grading:** Letter Grade Only**Prerequisite:** NDTE 150 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course is the third clinical experience in electroencephalographic (EEG) testing at an affiliated healthcare facility. The clinical experience provides students a supervised application of previously learned techniques and skills at an intermediate level. The course builds on skills attained in the second clinical experience course including performance of EEG testing on clinical patients, medical record keeping and clinical history taking in a timely manner. The focus is on safe, legal and professional behavior. This course also fosters the development of communication skills and interpersonal relationships required for the healthcare field. Supervision of the students is provided by a neurodiagnostic technologist and/or physician staff of the affiliating institution and is coordinated by the college faculty. This course is designed for students enrolled in the Neurodiagnostic Technology Program.

FT; AA/as; CSU.**NDTE 260 Directed Clinical Practice IV****144 - 162 hours other; 3 units****Grading:** Letter Grade Only**Prerequisite:** NDTE 250 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course is the fourth clinical experience in the Neurodiagnostic Technology Program and takes place at an affiliated healthcare facility. The emphasis for this course is on evoked potential (EP), advanced skills in electroencephalographic (EEG) recording and analysis, and more specialized diagnostic testing procedures (as available). The specialized areas may include intraoperative neurophysiologic monitoring (IONM), neonatal testing, long-term epilepsy monitoring, pediatric tests, transcranial doppler (TCD) studies, nerve conduction (NCV) studies and others. The clinical experience provides students a supervised application of previously learned techniques and skills at an advanced level and progressing toward entry level. The focus is on safe, legal and professional behavior. This course also fosters the development of communication skills and interpersonal relationships required for the healthcare field. Supervision of the students is provided by a neurodiagnostic technologist and/or physician of the affiliating institution and is coordinated by the college faculty. This course is designed for students enrolled in the Neurodiagnostic Technology Program.

FT; AA/as; CSU.

NLTE-Nursery and Landscape Technology

NUTR-Nutrition

NUTR 150 Nutrition Science and Global Food Issues**48-54 hours lecture; 3 units****Grading:** Letter Grade Only

This course is a multidisciplinary scientific examination of the effects of nutrition on health, including global problems of food and nutrition. Topics in this introductory course include the socio-economic, political, ecological, biological, and chemical processes involved in procuring food; digesting, absorbing, transporting, metabolizing, and storing nutrients; the role of the microbiota; how endocrine and immune functions affect hunger, appetite and metabolic health; and the interactions between nutrients, genetics, and the environment. Students in the course critically examine diverse eating patterns in the context of disease prevention, nutritional needs throughout the life cycle, and healthful food sources for nutrients and food groups. Students also utilize computer technology to analyze dietary intake and evaluate nutritional status. Current topics in nutrition are critiqued using the scientific method. This course is intended for students majoring in nutrition, exercise science, dietetics, nursing, medicine, as well as anyone interested in learning more about their health.

FT; AA/as; CSU; UC; C-ID: NUTR 110.**NUTR 153 Cultural Foods****48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Limitation on Enrollment:** This course is not open to students with previous credit for CACM 150.

This course examines the regional, ethnic, cultural, religious, historical and social influences on food patterns and cuisine, as well as how food is viewed as an expression of cultural diversity. Traditional foods of geographic areas and cultures, geographic factors in food availability, global food issues, dietary habits, religious influences and an overview of nutritional problems of ethnic groups are discussed and assessed. Connection is drawn between major historical events and how and why these events affected and defined the culinary traditions of different societies. Also presented are nutrition consequences of ethnic food choices, sanitation and safety practices, and applications of food and nutrition services. This course is for students interested in a career in nutrition, culinary, hospitality management, and those with an interest in ethnic cuisine.

FT; AA/as; CSU; UC.**NUTR 155 Advanced Nutrition****48-54 hours lecture; 3 units****Grading:** Letter Grade Only

Prerequisite: NUTR 150 with a Grade of "C" or better, or equivalent and BIOL 107 with a Grade of "C" or better, or equivalent and CHEM 100 with a Grade of "C" or better, or equivalent and CHEM 100L with a Grade of "C" or better, or equivalent or CHEM 152 with a Grade of "C" or better, or equivalent and CHEM 152L with a Grade of "C" or better, or equivalent

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent

This course is an in-depth study of the functioning of nutrients in the basic life processes from a biochemical and cellular approach. Emphasis is placed on the investigation of certain diets in relation to disease, current legislation relating to nutritional issues, and consumer nutritional practices. This course is intended for Nutrition and Allied Health majors.

FT; AA/as; CSU; UC.**NUTR 160 Foods for Healthy Lifestyles****48-54 hours lecture; 3 units****Grading:** Letter Grade Only

This course emphasizes scientific concepts of nutrition and food relating to health promotion. Health benefits and food sources of nutrients, healthy food preparation and food technologies are discussed. This class is intended for students majoring in nutrition and all students interested in attaining or promoting good health through nutrition.

FT; AA/as; CSU.**NUTR 170 Nutrition and Fitness****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass

This course is a practical study of sports and nutrition. Emphasis is placed on the role of nutrition and enhanced performance. Students evaluate their nutritional needs during various stages of exercise. Topics include carbohydrate loading, use of supplements, determination of body composition. This course is intended for nutrition majors, athletes and all students interested in health and fitness.

FT; AA/as; CSU.

NUTR 180 Nutrition and Diet Therapy**48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This course is a study of the concepts of nutrition in relationship to diet therapy. Emphasis is placed on nutrition assessments of individuals with various diseases and/or conditions and related therapeutic diets. Topics include nutritional support for patients who cannot or will not eat and drug/nutrient interactions. This course is intended for nutrition and allied health majors.

FT; AA/as; CSU.

NUTR 270 Work Experience**54 - 216 hours other; 1-4 units****Grading:** Letter Grade Only

A program of on-the-job learning experiences for students employed in a job related to nutrition. One unit of credit may be earned for every 54 hours of work experience. A maximum of fourteen credit hours for all work experience subject areas may be earned during one enrollment period.

OCEA-Oceanography**OCEA 101 The Oceans****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for PHYN 120

This course is a study of the major features and processes of the world's oceans. Topics include the origin and history of ocean basins; atmospheric and ocean circulation; and the dynamics of waves, tides, and coastlines. Students explore the oceans as a resource for people and analyze and evaluate human impacts on marine environments. This course is intended for all students interested in the world's oceans.

FT; AA/as; CSU; UC.

PADM-Public Administration**PADM 110 Introduction to Law and Society****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This is an introductory course on the American legal system and its impact on society. Topics include different sources of law such as the federal and state constitutions and statutes, court cases, and administrative agency rules. Emphasis is placed on review of basic legal reasoning, the history and structure of the American legal system, and the way the application of the law shapes society, democracy, civil liberties, and equal rights. This course is intended for students pursuing a major in political science, public administration, and other related fields.

FT; AA/as; CSU; UC; C-ID: LPPS 110.**PADM 200 Introduction to Public Administration****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This course explores the theory and practice of public administration and social policy. Topics include an examination of all levels of governmental structures, organizational theory, public policy decision-making processes, performance assessment, Human Resource Management (HRM), leadership, budgeting, administrative law, intergovernmental relations, and ethics as they apply to the field of public administration. This course is intended for students majoring in Public Administration and all students interested in politics, social policy, and the administration of public agencies.

FT; AA/as; CSU; UC.

PADM 270 Public Administration and/or Law Internship / Work Experience**54 - 216 hours other; 1-4 units****Grading:** Letter Grade or Pass/No Pass**Limitation on Enrollment:** Obtain Permission Number from Instructor

This course provides on-the-job learning experiences for students employed in a public administration- or law-related job or internship. Students develop workplace competencies, critical thinking skills, and problem solving abilities through the creation and achievement of job-related learning objectives. One unit of credit may be earned for every 54 hours of work experience. A maximum of fourteen credit hours for all work experience subject areas may be earned during one enrollment period. This course is intended for students interested in government and public service and/or law.

FT; AA/as; CSU.

PERG-Personal Growth**PERG 110 Introduction to College****24-27 hours lecture; 1.5 units****Grading:** Letter Grade or Pass/No Pass

This course introduces the knowledge and skills necessary to survive and thrive during the first year in college. Students examine higher education structures, the opportunities and resources available, and the requirements to successfully complete a certificate, degree and transfer. Emphasis is placed on the transition to college learning and college life, self-reflection and self-advocacy, goal setting, academic policies, major selection and educational planning. Students develop and apply critical analysis skills, information literacy, and successful attitudes and behaviors in joining a college community. This course is intended for first time and re-entry college students.

FT; AA/as; CSU; UC.**PERG 120 College Success and Lifelong Learning****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Limitation on Enrollment:** This course is not open to students with previous credit for PERG 127.

This course teaches success strategies to enhance academic and lifelong learning skills. Students explore topics such as discovering self-motivation, accepting personal responsibility, mastering self-management, employing interdependence, gaining self-awareness, goal setting, decision-making strategies, critical and creative thinking, personal health topics, interpersonal communication, developing emotional intelligence, and learning and personality theories, as well as other techniques for maximizing their abilities to succeed as lifelong learners. Students apply these topics as they relate to their personal and professional self-development and to the discovery of many new options for improving all aspects of their lives. This course is intended for new college students or those seeking to develop their academic and lifelong learning skills.

FT; AA/as; CSU; UC.

PERG 130 Career - Life Planning**48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass

This course is designed for students interested in self-exploration, career transitions, and career-life planning in order to achieve success in a diverse society. Various assessments are utilized through a systematic approach to career development by examining values, interests, skills, and personality types. Other topics include life roles, personal self-management, decision making, and goal setting throughout the lifespan. This course is intended for students who are considering a career change or are undecided about their future career field or college major.

FT; AA/as; CSU; UC.**PERG 140 Life Skills and Personal Adjustment****16-18 hours lecture; 1-3 units****Grading:** Letter Grade or Pass/No Pass

In this course students develop their emotional, social, educational, and professional life skills. It is a practical study of the principles and application of strategies that assist in the development of coping and life skills. Topics include self-esteem and compassion, self-discipline, self-responsibility, self-assertion, and living a consciously balanced life in pursuit of defined educational, career, and life goals. This course is intended for students beginning college or anyone seeking to balance educational, career, and life goals.

FT; AA/as; CSU.**PERG 160 Stress Management & Well-Being in the Modern World****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ELAC 35 with a Grade of "C" or better, or equivalent

This course is an opportunity to explore, assess, and evaluate stress management and holistic well-being across the lifespan. The course explores the mind-body relationship (psychophysiology) of stress, stressors across the lifespan, coping skills, and interventions. Emphasis is placed on managing stress and anxiety in the modern world. Topics include well-being in relation to career, physical and mental health, finances, relationships, and community connection. This course is designed for students seeking help with stress management, holistic well-being, and life balance.

FT; AA/as; CSU.

PHIL-Philosophy**PHIL 100 Logic and Critical Thinking****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent or ENGL 105 with a Grade of "C" or better, or equivalent

This course explores the relationship of communications and critical thinking with a focus on good reasoning and impediments to its mastery. It emphasizes the development of skills in logical analysis including familiarity with the more common fallacies. This course is designed for students learning to apply principles of critical thinking to the practical problems of everyday life.

FT; AA/as; CSU; UC.**PHIL 101 Symbolic Logic****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This course is a study of the elements of symbolic logic, sentential calculus and quantification theory. Topics include identity, definite descriptions, natural deduction and structure of language. This course is intended for philosophy majors and students pursuing studies in computer science.

FT; AA/as; CSU; UC; C-ID: PHIL 210.

PHIL 102A Introduction to Philosophy: Reality and Knowledge

48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent or ENGL 105 with a Grade of "C" or better, or equivalent

This course is an introductory study of the aims, methods, types and problems of philosophy and philosophical inquiry. Emphasis is placed on the nature of reality and knowledge. Materials for this survey of philosophy may draw from classical and contemporary thinkers. Students are encouraged to articulate, analyze, and evaluate their own beliefs/positions in the context of meaningful philosophical inquiry. This course is intended for anyone concerned with human existence and humanity's place in the universe.

FT; AA/as; CSU; UC; C-ID: PHIL 100.

PHIL 102B Introduction to Philosophy: Values

48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent or ENGL 105 with a Grade of "C" or better, or equivalent

This course provides an introductory study of the aims, methods, types, and problems of philosophy focusing on values and their place in an individual's daily life. Materials for this survey may be drawn from classical and contemporary thinkers. Students are encouraged to articulate, analyze, and evaluate their own beliefs/positions in the context of meaningful philosophical inquiry regarding value theory. This course is for anyone interested in the origin and justification of values and their application to everyday life.

FT; AA/as; CSU; UC; C-ID: PHIL 120.

PHIL 103 Historical Introduction To Philosophy

48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent or ENGL 105 with a Grade of "C" or better, or equivalent

This course is an introduction to the issues and problems exemplified in the process of meaningful activity in Western philosophy from the pre-Socratics to the present. Students in this course survey the major philosophers in their historical contexts. Materials may be drawn from classical and contemporary thinkers. Students are encouraged to engage in independent research, analysis and formulation. This course is intended for students pursuing studies in History and Humanities, and anyone interested in the history of philosophy.

FT; AA/as; CSU; UC.

PHIL 104A History Of Western Philosophy: Ancient to Medieval

48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent or ENGL 105 with a Grade of "C" or better, or equivalent

This course is an introduction to the issues and problems exemplified in the process of meaningful philosophical activity related to the history of western philosophy from the pre-Socratics to the close of the Medieval age. Students in this course survey representative theories and philosophical reflections related to the history of early western philosophy. Students are encouraged to engage in independent research, analysis and formulation. This course is intended for students pursuing studies in History and Humanities, and anyone interested in the history of western philosophy.

FT; AA/as; CSU; UC.

PHIL 104B History of Western Philosophy: Modern to Contemporary

48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent or ENGL 105 with a Grade of "C" or better, or equivalent

This course is an introduction to the issues and problems exemplified in the process of meaningful philosophical activity related to the history of western philosophy from the Modern period through the 20th Century. Students in this course survey representative theories and philosophical reflections related to the history of philosophy from the Modern to Contemporary periods. Students are encouraged to engage in independent research, analysis and formulation. This course is intended for students pursuing studies in History and Humanities, and anyone interested in the history of western philosophy.

FT; AA/as; CSU; UC.

PHIL 105 Contemporary Philosophy

48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent or ENGL 105 with a Grade of "C" or better, or equivalent

This course explores the issues and problems associated with philosophy in the 20th and 21st centuries. Emphasis is placed on the representative thinkers of the modern and post-modern eras. Students are encouraged to engage in independent research, analysis and formulation. This course is designed for students interested in contemporary society and current events.

FT; AA/as; CSU; UC.

PHIL 106 Asian Philosophy**48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent or ENGL 105 with a Grade of "C" or better, or equivalent

This course explores issues in the philosophical study of Asian philosophy, including questions relating to the nature of the universe, the status and meaning of humankind, and the qualities characterizing the good life. This course may be of special interest to students pursuing Pacific Rim or International Studies.

FT; AA/as; CSU; UC.**PHIL 107 Reflections on Human Nature****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent or ENGL 105 with a Grade of "C" or better, or equivalent

This course is an introductory study of the issues and problems exemplified in the process of meaningful philosophical activity relating to the topic of human nature. Students in this course survey representative theories and philosophical reflections relating to the notions of human nature, the individual person, and human characteristics in general. Material for this survey may be drawn from classical and contemporary thinkers or scientific and religious orientations. Students are encouraged to engage in independent research, analysis and formulation. This course is intended for students pursuing studies in behavioral and/or social sciences.

FT; AA/as; CSU; UC.**PHIL 108 Perspectives on Human Nature and Society****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent or ENGL 105 with a Grade of "C" or better, or equivalent

This course is an introduction to the issues and problems exemplified in the process of meaningful philosophical activity relating to the topics of human nature and human societal configurations. Students in this course survey representative theories and philosophical reflections related to the notions of human nature and human societal configurations such as the nature of society, the state, and government, with an emphasis on experiential elements of meaningful human existence, and notions of ideal society. Students are encouraged to engage in independent research, analysis and formulation. This course is intended for students pursuing studies in behavioral, social or political science, and anyone interested in philosophy of human nature.

FT; AA/as; CSU; UC.**PHIL 109 Issues in Social Philosophy****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent or ENGL 105 with a Grade of "C" or better, or equivalent

This course is an introduction to the issues and problems exemplified in the process of meaningful philosophical activity related to social philosophy. Students in this course survey representative theories and philosophical reflections related to the notions of social ethics and concepts in social philosophy such as types of government, the issues of sovereignty, natural law and natural rights, the philosophy of law, and issues of justice. Students are encouraged to engage in independent research, analysis and formulation. This course is intended for students pursuing studies in pre-law, and/or political, behavioral or social sciences, and anyone interested in social philosophy.

FT; AA/as; CSU; UC.**PHIL 110 Philosophy of Religion****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent or ENGL 105 with a Grade of "C" or better, or equivalent

This course explores issues associated with the philosophical understanding of religious phenomena and belief. It analyzes philosophical arguments relating to religious beliefs and includes discussions of Western as well as non-Western belief systems. This course may be of interest to students pursuing religious and cultural studies.

FT; AA/as; CSU; UC.**PHIL 111 Philosophy in Literature and Other Fiction****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent or ENGL 105 with a Grade of "C" or better, or equivalent

This course is an introduction to the issues and problems exemplified in the process of meaningful philosophical activity related to philosophy in literature and fiction in general. Students in this course survey representative theories and philosophical reflections related to the philosophical issues and themes in selected classical and/or contemporary literature and other fiction such as the nature of reality, the notion of the self, the issue of choice and determinism, the problem of good and evil, and the characteristics of the good life. Students are encouraged to engage in independent research, analysis and formulation. This course is intended for students pursuing studies in literature and media theory, the Behavioral and/or Social Sciences, and anyone interested in philosophy in fiction.

FT; AA/as; CSU; UC.

PHIL 112 Philosophy of Science**48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent or ENGL 105 with a Grade of "C" or better, or equivalent

This is an introductory course exploring the presuppositions, concepts, principles, criteria and methodology of science and scientific investigation. This course is intended for students seeking a basic understanding of the nature of science and its philosophical underpinnings.

PHIL 125 Philosophy of Women**48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent or ENGL 105 with a Grade of "C" or better, or equivalent

This course is an introduction to the issues and problems exemplified in the process of meaningful philosophical activity related to philosophy of women. Students in this course survey representative theories and philosophical reflections related to philosophy of women such as concepts of womanhood and feminism as they have found expression in mythic, classic, medieval and major modern philosophical traditions. Students are encouraged to engage in independent research, analysis and formulation. The course is intended for students pursuing women's studies and/or political, behavioral or social sciences, and anyone interested in philosophy of women.

FT; AA/as; CSU; UC.**PHIL 126 Philosophy of Contemporary Gender Issues****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This course provides an introduction to the concepts of gender and gender relations. Emphasis is placed on the images, roles, and beliefs about gender and gender relations as they vary across cultures. Topics include the impacts of gender on our everyday lives and the broader societies, including experiences of LGBTQ+ (lesbian, gay, bisexual, transgender, queer, plus) communities. This course is intended for students interested in the development of contemporary gender issues from a philosophical perspective.

FT; AA/as; CSU; UC.**PHIL 130 Philosophy of Art and Music****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent or ENGL 105 with a Grade of "C" or better, or equivalent

This course employs philosophical methods to explore the concepts, principles, and criteria used in the creation and evaluation of art and music. In addition to students interested in philosophy, this course is designed for any student seeking to gain a better understanding of why we appreciate art and music and how we develop standards for evaluating them. A variety of arts may be discussed including painting, sculpture, architecture, design, music, dance, theatre, and literature.

FT; AA/as; CSU; UC.**PHIL 131 Environmental Ethics****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent or ENGL 105 with a Grade of "C" or better, or equivalent and PHIL 100 with a Grade of "C" or better, or equivalent

This course allows students to gain an understanding of the field of moral philosophy as it pertains to environmental issues. Ethical theories are analyzed through application to issues such as: population growth, future generations, biodiversity, animal rights, pollution, energy use and consumption. This course is intended for students interested in Sustainability, Environmental Science, Philosophy, Biology, Sociology, Geology, Ecology, and Peace Studies.

FT; AA/as; CSU; UC.**PHIL 205 Critical Thinking and Writing in Philosophy****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** ENGL C1000 with a Grade of "C" or better, or equivalent or ENGL 105 with a Grade of "C" or better, or equivalent

This critical thinking and writing seminar in Philosophy is designed to enhance the student's critical thinking, writing, and research skills in preparation for upper division academic activity. Issues addressed in this class may involve various areas of human experience and aspiration: metaphysical, cosmological, scientific, political, ethical, aesthetic, and religious. Together with the application of basic principles of deduction and induction, special attention is given to identifying and avoiding fallacies in reasoning, and to techniques and aids to research, reasoning, and writing. This course is designed for students who want to hone their writing and critical thinking skills in Philosophy.

FT; AA/as; CSU; UC.

PHIL 290 Independent Study

48 - 162 hours other; 1-3 units

Grading: Letter Grade or Pass/No Pass

Limitation on Enrollment: Obtain Permission Number from Instructor

This course is for students who wish to conduct additional research, a special project or problem, or learning activities in the field of philosophy. It is not intended to replace an existing course in the discipline. In this course students have a written contract with their instructor for activities such as: preparing problem analyses, engaging in primary research, preparing reports, and meeting with the instructor at specific intervals.

PHLB-Phlebotomy

PHLB 70 Phlebotomy

24-27 hours lecture/48-54 hours lab; 2.5 units

Grading: Letter Grade Only

Limitation on Enrollment: Special Admission - must be admitted to program.

This course is not open to students with previous credit for PHLB 50

This course provides basic and advanced training in capillary puncture and venipuncture through didactic and clinical instruction as required by the State of California, Department of Health Services-Laboratory Field Services. The basic lecture portion of this course includes anatomy and physiology of the body systems with emphasis on the circulatory system, medical terminology and infection control. The advanced lecture portion of this course includes advanced infection control and biohazards, risk factors and appropriate responses to complications, anatomical site selection, quality assurance, pre-analytical source of error and ethical and legal issues related to phlebotomy. The clinical component of this course provides students with hands-on training in capillary puncture and venipuncture. Students apply knowledge of theory to the clinical setting. This course is intended for students in the Phlebotomy Training Program.

FT; AA/as.

PHLB 80 Phlebotomy Directed Clinical Practice

72 - 81 hours other; 1.5 units

Grading: Letter Grade Only

Prerequisite: PHLB 70 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: Special Admission - must be admitted to program.

This course is not open to students with previous credit for PHLB 60

This course is an unpaid clinical experience designed for students to gain additional experience in phlebotomy. Students complete 50-100 venipunctures, 10-25 capillary punctures and observe 2 arterial punctures at an appropriate clinical site. Students apply knowledge of theory to the clinical setting. This course is intended for students in the Phlebotomy Training Program.

FT; AA/as.

PHYN-Physical Science

PHYN 100 Survey of Physical Science

48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

Advisory: Concurrent enrollment in: PHYN 101

This course is an introductory survey of the fundamental concepts of astronomy, geology, chemistry and physics. Emphasis is placed on the interrelationships among these disciplines and the ways in which the physical sciences affect modern life. This course is intended for students with a general interest in the physical sciences.

FT; AA/as; CSU; UC.

PHYN 101 Survey of Physical Science Laboratory**48-54 hours lab; 1 unit****Grading:** Letter Grade or Pass/No Pass**Corequisite: Completion of or concurrent enrollment****in:** PHYN 100 with a Grade of "C" or better, or equivalent

This course introduces students to the physical science laboratory and is designed to demonstrate the fundamental concepts of astronomy, geology, chemistry, physics and/or the earth sciences. Emphasis is placed on scientific method, real-world application of the physical sciences and collaborative learning. This course is designed for all students interested in the physical sciences.

FT; AA/as; CSU; UC.**PHYN 105 Physical Science for Elementary Education****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass

This course is an introductory survey of fundamental concepts in physics and chemistry. Emphasis is placed on developing a deep conceptual understanding of these topics. This course is especially designed for those interested in teaching science in a primary school setting in which students must understand scientific methodologies and master content in the physical sciences.

FT; AA/as; CSU; UC.**PHYN 114 Weather and Climate****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This course is an introduction to weather and climate. Emphasis is placed on the principles of solar radiation and energy transfer, atmospheric structure and composition, cloud development, precipitation, atmospheric pressure, and winds. Topics include the origin and development of storms, the greenhouse effect, and Earth's changing climate. The scientific method is illustrated as it relates to analyzing meteorologic problems. This course is appropriate for students with an interest in weather and climate.

FT; AA/as; CSU; UC.**PHYN 290 Independent Study****48 - 162 hours other; 1-3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** PHYN 100 with a Grade of "C" or better, or equivalent and PHYN 101 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** Obtain Permission Number from Instructor

This course is for students who wish to conduct additional research, a special project, or learning activities in the field of physical science. It is not intended to replace an existing course in the discipline. In this course students will have a written contract with their instructor for activities such as preparing problem analysis, engaging in primary research, preparing reports, and meeting with the instructor at specific intervals.

PHYR-Physical Therapist Assistant

PHYR 210 Introduction to Physical Therapy**32-36 hours lecture; 2 units****Grading:** Letter Grade Only

Limitation on Enrollment: This course is not open to students with previous credit for PHYR 110 or PHYR 50. This course provides general information regarding the field of physical therapy. The course focuses on the history, development, goals and current issues of the profession, an introduction to basic abbreviations and medical terminology and the American Physical Therapy Association (APTA). General legal and ethical principles, as well as state laws, relating to the delivery of physical therapy services are examined. The relationship of physical therapy to the health care delivery system in the United States, the settings utilized in the delivery of therapy, and an exploration of the roles and functions of the workers in the field and their part on the healthcare team are explored. This course fosters the development of communication skills, interpersonal relationships, collaboration, and professionalism required for the health care field. The need of the health care worker to develop a therapeutic presence which includes sensitivity to diversity and cultural competency are also presented. This course is designed for students interested in profession of physical therapy and those applying to the Physical Therapist Assistant Program.

FT; AA/as; CSU.**PHYR 215 Documentation Skills****16-18 hours lecture; 1 unit****Grading:** Letter Grade Only

Limitation on Enrollment: Special Admission - must be admitted to program.

This course provides an introduction to physical therapy chart review in line with application of the International Classification of Functioning, Disability and Health (ICF) and review of patients' medical and treatment documentation. Students learn the formats used in both paper and electronic medical record documentation. Emphasis is placed on accurate and timely documentation that is consistent with institutional, legal, billing requirements and insurance models involved in physical therapy services. This course is designed for students enrolled in the Physical Therapist Assistant program.

FT; AA/as; CSU.**PHYR 220 Growth, Development, and Aging****48-54 hours lecture; 3 units****Grading:** Letter Grade Only

Limitation on Enrollment: Special Admission - must be admitted to program.

This course will introduce physical therapist assistant (PTA) students to concepts and physical therapy principles applied to the development process from conception through aging. Topics will include normal and abnormal growth and development from conception, through adolescence, and adulthood. Emphasis will be placed on the developmental sequence, testing, and treatment principles in pediatrics, as well as aging changes that affect function in geriatric rehabilitation. Appropriate nutrition and wellness concepts across the lifespan will be considered.

FT; AA/as; CSU.**PHYR 225 Acute Care Techniques****32-36 hours lecture; 2 units****Grading:** Letter Grade Only**Corequisite:** PHYR 225L

Limitation on Enrollment: Special Admission - must be admitted to program.

This lecture course provides the future Physical Therapist Assistant (PTA) with an exposure to the duties that relate to the PTA scope of practice with an emphasis on the acute and post-acute care settings. These duties include the principles of patient care management, safety within the facility, vital signs, patient positioning, basics of transfer and gait training with assistive devices for general orthopedic problems, wheelchair safety, basic wound care management to include universal precautions and infection control, and appropriate selection and progression of interventions based on physical therapist's plan of care. The course also fosters the development of communication skills, interpersonal relationships, and professionalism required for the health care field.

FT; AA/as; CSU.

PHYR 225L Acute Care Techniques Lab**96-108 hours lab; 2 units****Grading:** Letter Grade Only**Corequisite:** PHYR 225**Limitation on Enrollment:** Special Admission - must be admitted to program.

This laboratory course provides the future Physical Therapist Assistant (PTA) with an exposure to the duties related to the PTA scope of practice with an emphasis on the acute and post-acute care settings. These duties include the principles of patient care management, safety within the facility, vital signs, patient positioning, basics of transfer and gait training with assistive devices for general orthopedic problems, wheelchair safety, basic wound care management to include universal precautions and infection control, and appropriate selection and progression of interventions based on physical therapist's plan of care. The course also fosters the development of communication skills, interpersonal relationships, and professionalism required for the health care field.

FT; AA/as; CSU.**PHYR 230 Introduction To Human Movement****32-36 hours lecture/48-54 hours lab; 3 units****Grading:** Letter Grade Only**Advisory:** BIOL 160 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course is not open to students with previous credit for PHYR 114 or PHYR 54.

This lecture and lab course introduces the student Physical Therapist Assistant to the relationship between physical laws and the biomechanical principles of joint motion. The concepts of normal posture and human locomotion are contrasted with obvious posture and gait deviations. An understanding of kinesiology is applied to major joints in the body utilizing basic exercise applications for patients/clients with common orthopedic and neurologic conditions.

FT; AA/as; CSU.**PHYR 240 Introduction to Pathology****48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course is not open to students with previous credit for PHYR 122 or PHYR 62

This course focuses on the etiology and characteristics of diseases of the body's systems as they relate to physical therapy, and includes a consideration of the general principles of tissue injury, inflammation, and healing. The course is designed for students enrolled in the Physical Therapist Assistant Program with an emphasis on identification of red flags that may occur with various pathologies and impact treatment decisions.

FT; AA/as; CSU.**PHYR 250 Introduction to Therapeutic Exercise****16-18 hours lecture/48-54 hours lab; 2 units****Grading:** Letter Grade Only**Prerequisite:** PHYR 230 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course is not open to students with previous credit for PHYR 63 or PHYR 123

This lecture and lab course provides physical therapist assistant (PTA) students with the basic principles of therapeutic exercise and measurement techniques used in the field of physical therapy. Students will learn and practice the following skills: range of motion, goniometry, manual muscle testing, and proprioceptive neuromuscular facilitation. Basic upper and lower extremity exercises will be introduced.

FT; AA/as; CSU.

PHYR 260 Topics in Neurology and Rehabilitation
32-36 hours lecture; 2 units

Grading: Letter Grade Only

Prerequisite: PHYR 225 with a Grade of "C" or better, or equivalent and PHYR 225L with a Grade of "C" or better, or equivalent

Corequisite: PHYR 260L

Limitation on Enrollment: Special Admission - must be admitted to program.

This course is not open to students with previous credit for PHYR 138 or PHYR 78

This course provides physical therapist assistant (PTA) students with the principles of functional activities and rehabilitation procedures relating to the management of clients with neurological diagnoses. Topics include rehabilitation of cerebral vascular accidents, traumatic brain injuries, spinal cord injuries, other neurological conditions, cardiopulmonary conditions, amputations, lymphedema, and pediatric conditions. The focus is on the safe, legal, ethical and appropriate use of rehabilitation procedures including physiological and therapeutic effects of treatment. The course also fosters the development of communication skills, interpersonal relationships, and professionalism required for the health care field.

FT; AA/as; CSU.

PHYR 260L Topics in Neurology and Rehabilitation Lab

96-108 hours lab; 2 units

Grading: Letter Grade Only

Prerequisite: PHYR 225 with a Grade of "C" or better, or equivalent and PHYR 225L with a Grade of "C" or better, or equivalent

Corequisite: PHYR 260

Limitation on Enrollment: Special Admission - must be admitted to program.

This course is not open to students with previous credit for PHYR 78L or PHYR 138L.

This course for physical therapist assistant (PTA) students deals with the clinical application of functional activities and rehabilitation procedures relating to the management of clients with neurological diagnoses. Topics include rehabilitation of cerebral vascular accidents, traumatic brain injuries, spinal cord injuries, other neurological conditions, cardiopulmonary conditions, amputations, lymphedema, and pediatric conditions. The focus is on the safe, legal, ethical and appropriate use of rehabilitation procedures including physiological and therapeutic effects of treatment. The course also fosters the development of communication skills, interpersonal relationships, and professionalism required for the health care field.

FT; AA/as; CSU.

PHYR 263 Patient Management

48-54 hours lab; 1 unit

Grading: Letter Grade Only

Prerequisite: PHYR 250 with a Grade of "C" or better, or equivalent

Advisory: PHYR 240 with a Grade of "C" or better, or equivalent and PHYR 260 with a Grade of "C" or better, or equivalent and **Limitation on Enrollment:** Special Admission - must be admitted to program.

This laboratory course provides physical therapist assistant (PTA) students with an opportunity to apply knowledge and skills from previous courses to actual patient scenarios. Students will review patient evaluations including plans of care and design appropriate beginning, intermediate, and advanced treatment plans. Emphasis will be placed on developing critical thinking and communication skills needed in a patient care environment.

FT; AA/as; CSU.

PHYR 264 Therapeutic Modalities

24-27 hours lecture; 1.5 units

Grading: Letter Grade Only

Corequisite: PHYR 264L

Limitation on Enrollment: Special Admission - must be admitted to program.

This lecture course introduces the student Physical Therapist Assistant to the fundamental principles, physiological effects, and application techniques in the use of biophysical agents. Biophysical agents include soft tissue mobilization, thermotherapy, cryotherapy, compression therapy, hydrotherapy, ultrasound, electrotherapy, biofeedback, light therapy, and manual/mechanical traction procedures. Emphasis will be placed on indications, contraindications, and safe application of the above techniques, as well as assessment of technique effectiveness. The course also fosters development of patient communication and appropriate documentation of modality treatments.

FT; AA/as; CSU.

PHYR 264L Therapeutic Modalities Lab**72-81 hours lab; 1.5 units****Grading:** Letter Grade Only**Corequisite:** PHYR 264**Limitation on Enrollment:** Special Admission - must be admitted to program.

This lab course introduces the student Physical Therapist Assistant to the fundamental principles, physiological effects, and application techniques in the use of biophysical agents. Biophysical agents include soft tissue mobilization, thermotherapy, cryotherapy, compression therapy, hydrotherapy, ultrasound, electrotherapy, biofeedback, light therapy, and manual/mechanical traction procedures. Emphasis will be placed on indications, contraindications, and safe application of the above techniques, as well as assessment of technique effectiveness within the laboratory setting. The course also fosters development of patient communication and appropriate documentation of modality treatments.

FT; AA/as; CSU.**PHYR 276 Orthopedic Exercise and Rehabilitation****56-63 hours lecture; 3.5 units****Grading:** Letter Grade Only**Prerequisite:** PHYR 250 with a Grade of "C" or better, or equivalent**Corequisite:** PHYR 276L**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course is not open to students with previous credit for PHYR 275.

This lecture course provides the physical therapist assistant student with a kinesiology based approach to the clinical applications used in the treatment and rehabilitation of the patient/client with orthopedic and related diagnoses. The focus is on safe, legal, ethical, and appropriate use of manual and therapeutic exercise interventions and screening assessment procedures within the physical therapist assistant scope of practice. The course fosters the development of critical thinking skills needed in the consideration of indications, precautions, contraindications, along with physiological and therapeutic effects of various techniques as applied to various orthopedic and related diagnoses.

FT; AA/as; CSU.**PHYR 276L Orthopedic Exercise and Rehabilitation-Lab****96-108 hours lab; 2 units****Grading:** Letter Grade Only**Prerequisite:** PHYR 250 with a Grade of "C" or better, or equivalent**Corequisite:** PHYR 276**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course is not open to students with previous credit for PHYR 275L.

This lab course provides the physical therapist assistant student with a kinesiology based approach to the clinical applications used in the treatment and rehabilitation of the patient/client with orthopedic and related diagnoses. The focus is on safe, legal, ethical and appropriate use of manual and therapeutic exercise interventions and screening assessment procedures within the physical therapist assistant scope of practice. Students will demonstrate the critical thinking skills needed in the application and modification of physical therapy interventions including indications, precautions, contraindications, and physiological and therapeutic effects of various techniques as applied to various orthopedic and related diagnoses. In addition, this course fosters the development of communication skills, interpersonal relationships, and professionalism required in the health care field.

FT; AA/as; CSU.**PHYR 280 Organization of Physical Therapy****32-36 hours lecture; 2 units****Grading:** Letter Grade Only**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course is not open to students with previous credit for PHYR 141 or PHYR 81

This course provides physical therapist assistant (PTA) students with the fundamentals of ethics, values, and responsibilities in physical therapy as described by legal practice standards, including federal, state, and institutional regulations related to patient/client care and fiscal management. Topics include American Physical Therapy Association (APTA) guidelines for ethics and values, California Physical Therapy Practice Act and regulations, reporting requirements, insurance regulations, productivity, management, supervision, performance evaluations, professional liability insurance, career development, lifelong learning, and leadership skills. Students will assess their strengths and limitations as a PTA and their reactions to illness and disability with a diverse patient population.

FT; AA/as; CSU.

PHYR 291 Directed Clinical Practice I**144 - 162 hours other; 3 units****Grading:** Letter Grade Only**Prerequisite:** PHYR 225 with a Grade of "C" or better, or equivalent and PHYR 225L with a Grade of "C" or better, or equivalent and PHYR 250 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course is not open to students with previous credit for PHYR 142A or PHYR 70 or PHYR 292

This course provides the Physical Therapist Assistant (PTA) student a moderate to maximum supervised application of previously learned techniques and skills in the rehabilitation of patients in one selected clinical facility affiliated with the college. The focus is on intermediate level application in the safe, legal, ethical and effective use of physical therapy interventions. Emphasis is placed on intermediate level skills of professional communication and interpersonal relationships necessary for the healthcare field. Students are placed in either an inpatient or outpatient facility. Supervision of the student is at the intermediate level progressing to advanced intermediate, and is provided by the staff of the affiliating institution and is coordinated by the college faculty. This course is the first of three Directed Clinical Practice courses in the PTA program.

FT; AA/as; CSU.**PHYR 295 Directed Clinical Practice II****240 - 270 hours other; 5 units****Grading:** Letter Grade Only**Prerequisite:** PHYR 291 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course is not open to students with previous credit for PHYR 80 or PHYR 294

This course provides the Physical Therapist Assistant (PTA) student a minimum to moderate supervised application of previously learned techniques and skills in the rehabilitation of patients in one selected clinical facility affiliated with the college. The focus is on advanced intermediate level application in the safe, legal, ethical and effective use of physical therapy interventions. Emphasis is placed on advanced intermediate level skills of professional communication and interpersonal relationships necessary for the healthcare field. Students are placed in either an inpatient or outpatient facility. Supervision of the student is at the advanced intermediate level progressing to entry-level, and is provided by the staff of the affiliating institution and is coordinated by the college faculty. This course is the second of three Directed Clinical Practice courses in the PTA program.

FT; AA/as; CSU.**PHYR 298 Directed Clinical Practice III****240 - 270 hours other; 5 units****Grading:** Letter Grade Only**Prerequisite:** PHYR 295 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course is not open to students with previous credit for PHYR 80 or PHYR 297

This course provides the Physical Therapist Assistant (PTA) student a minimum to entry-level supervised application of previously learned techniques and skills in the rehabilitation of patients in one selected clinical facility affiliated with the college. The focus is on entry-level application in the safe, legal, ethical and effective use of physical therapy interventions. Emphasis is placed on entry-level skills of professional communication and interpersonal relationships necessary for the healthcare field. Students apply a higher level of critical thinking related to the implementation, modification and progression of physical therapy rehabilitation programs. Although under the supervision of a physical therapist, students are expected to apply their skills independently with minimal input from the clinical instructor. Students are placed in either an inpatient or outpatient facility. Supervision of the student is at the minimal level progressing to entry-level, and is provided by the staff of the affiliating institution and is coordinated by the college faculty. This course is the final of three Directed Clinical Practice courses in the PTA program.

FT; AA/as; CSU.

PHYS-Physics

PHYS 019 Introductory Physics Preparation **24-27 hours lab; 0.5 units**

Grading: Pass/No Pass Only

This course is designed for students that could benefit from a math review and introduction to physics concepts before beginning their first course in physics (General Physics I or Mechanics). The focus is on problem solving, mathematical processes, unit conversions, vector operations, and modeling physical systems. This course will not replace a failing grade in General Physics I or Mechanics. The course will not satisfy the prerequisite for any physics sequence (General Physics I or Mechanics).

PHYS 100 Introductory Physics **48-54 hours lecture/48-54 hours lab; 4 units**

Grading: Letter Grade or Pass/No Pass

Prerequisite: Successful completion of Intermediate Algebra with a grade of C or better or appropriate placement based on California Title 5 regulations. This course is designed for transfer-level students or for those wanting to acquire basic knowledge in physics with a minimum preparation in mathematics. A comprehensive coverage of subject matter in physics is presented, including mechanics, wave motions, thermodynamics, optics, electromagnetism, and atomic and nuclear physics. Emphasis is on the conceptual aspects, including explanation of natural phenomena. Concepts are reinforced through laboratory work.

FT; AA/as; CSU; UC.

PHYS 125 General Physics **64-72 hours lecture/48-54 hours lab; 5 units**

Grading: Letter Grade or Pass/No Pass

Prerequisite: MATH 104 with a Grade of "C" or better, or equivalent or MATH 116 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for Physics 120A, Physics 124A, Physics 125A, Physics 180A, Physics 181A or Physics 195

This course is an introductory survey of the concepts and principles of physics. Emphasis is placed on developing an understanding of the properties of matter, mechanics, heat, and sound. This course is intended for students taking liberal arts and/or pre-professional courses that do not require physics with calculus.

FT; AA/as; CSU; UC; C-ID: PHYS 105.

PHYS 126 General Physics II **64-72 hours lecture/48-54 hours lab; 5 units**

Grading: Letter Grade or Pass/No Pass

Prerequisite: PHYS 125 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for PHYS 120B, 124B, 125B, 181B, 195B or 196.

This second course in a two-part introductory survey explores the concepts and principles of physics. Topics include electricity, magnetism, light, and modern physics. This course is intended for students taking liberal arts and/or pre-professional courses that do not require physics with calculus.

FT; AA/as; CSU; UC; C-ID: PHYS 110.

PHYS 180A General Physics I **64-72 hours lecture; 4 units**

Grading: Letter Grade or Pass/No Pass

Prerequisite: MATH 121 with a Grade of "C" or better, or equivalent or MATH 150 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for PHYS 120A and PHYS 125A or PHYS 124A.

This course is an introductory survey of the concepts and principles of physics. Emphasis is placed on developing an understanding of the properties of matter, mechanics, heat and sound in order to make calculations and solve fundamental physics problems. This course is designed for students interested in biological sciences.

FT; AA/as; CSU; UC; C-ID: PHYS 105.

PHYS 180B General Physics II **64-72 hours lecture; 4 units**

Grading: Letter Grade or Pass/No Pass

Prerequisite: PHYS 180A with a Grade of "C" or better, or equivalent and MATH 121 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for PHYS 120B and 125B or credit or concurrent enrollment in PHYS 124B.

This course is an introductory survey of the concepts and principles of physics. Emphasis is placed on developing an understanding of the properties of electricity, magnetism, light and modern physics in order to make calculations and solve fundamental physics problems. This course is designed for students interested in biological sciences.

FT; AA/as; CSU; UC; C-ID: PHYS 110.

PHYS 181A General Physics Laboratory I**48-54 hours lab; 1 unit****Grading:** Letter Grade or Pass/No Pass**Corequisite: Completion of or concurrent enrollment in:** PHYS 180A with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for PHYS 121A. This laboratory course is a hands-on study of the properties of matter, mechanics, heat and sound through laboratory experiments. This course is designed for students interested in the biological sciences.**FT; AA/as; CSU; UC; C-ID: PHYS 105.****PHYS 181B General Physics Laboratory II****48-54 hours lab; 1 unit****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** PHYS 180A with a Grade of "C" or better, or equivalent**Corequisite: Completion of or concurrent enrollment in:** PHYS 180B with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for PHYS 121B. This laboratory course is a hands-on study of the principles of electricity, magnetism, light and modern physics through laboratory experiments. This course is designed for students interested in the biological sciences.**FT; AA/as; CSU; UC; C-ID: PHYS 110.****PHYS 195 Mechanics****64-72 hours lecture/48-54 hours lab; 5 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** MATH 150 with a Grade of "C" or better, or equivalent**Advisory: Completion of or concurrent enrollment in:** MATH 151 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for PHYS 195A and 196A. This is the first of a three-semester calculus-based general physics sequence designed for scientists and engineers. Topics include linear kinematics, Newton's Laws, energy, rotational kinematics, rigid-body rotation, momentum, fluid mechanics, gravity, oscillatory motion, and thermodynamics. This course is intended for students majoring in the physical sciences or engineering.**FT; AA/as; CSU; UC; C-ID: PHYS 205.****PHYS 196 Electricity and Magnetism****64-72 hours lecture/48-54 hours lab; 5 units****Grading:** Letter Grade Only**Prerequisite:** PHYS 195 with a Grade of "C" or better, or equivalent and MATH 151 with a Grade of "C" or better, or equivalent**Advisory:** MATH 252 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for Phys 195B and 196B. This is the second course of a three-semester calculus-based general physics sequence. Topics include the basic principles and applications of electrostatics; magnetostatics; time-varying electric and magnetic phenomena; direct and alternating current circuits; elementary electronics; and electromagnetic waves. Emphasis is placed on the mathematical analysis of physical problems. Laboratory work on various aspects of electric and magnetic phenomena emphasizing direct current (DC) and alternating current (AC) circuits is included. This course is intended for students majoring in the physical sciences or engineering.**FT; AA/as; CSU; UC; C-ID: PHYS 210.****PHYS 197 Waves, Optics and Modern Physics****64-72 hours lecture/48-54 hours lab; 5 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** PHYS 196 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for Physics 195C and 196C. This is the third semester of a three semester calculus-based Physics course designed for prospective scientists and engineers. Topics include the fundamental principles of physics of waves, the behavior of light, and an introduction to relativity, quantum physics and the atomic and nuclear properties of matter.**FT; AA/as; CSU; UC; C-ID: PHYS 215.****PHYS 290 Independent Study****48 - 162 hours other; 1-3 units****Grading:** Letter Grade or Pass/No Pass**Limitation on Enrollment:** Obtain Permission Number from Instructor

This course is designed for students who wish to conduct additional research, a special project, or learning activities in the field of physics. It is not intended to replace an existing course in the discipline. In this course students have a written contract with their instructor for activities such as: preparing problem analyses, engaging in primary research, preparing reports, and meeting with the instructor at specific intervals.

POLI-Political Science

POLI 102 Introduction to American Government see POLS C1000 American Government and Politics

POLI 101 Introduction to Political Science

48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent

This course is an introduction to the field of political science. Emphasis is placed on the concepts and methodologies used in the study of political institutions, political participation, public opinion, and the international political system. Other topics include a survey of political theory and the history of American political ideology and culture. This course is intended for students majoring in Political Science and those interested in the field of political science.

FT; AA/as; CSU; UC; C-ID: POLS 150.

POLI 103 Comparative Politics

48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for POLI 130

This course is an introduction to comparative politics. Emphasis is placed on analyses of various political systems using the fundamental concepts and methodologies of comparative politics. This course is designed for political science majors and anyone interested in comparative and/or international politics.

FT; AA/as; CSU; UC; C-ID: POLS 130.

POLI 121 American Political Development

48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent

This course provides an overview of American political development. Students engage in a historical analysis of the evolution of governmental institutions in the United States, and study how political ideas, political practices, and political actors (including ethnic groups, women, political parties, interest groups, and social movements) shape and are shaped by these institutional factors. This course is intended for transfer students, political science majors, or students interested in the American political system.

POLI 123 Gender and Politics

48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent

This course explores central issues in the study of gender and politics. Topics include the impact of gender on political representation, participation, law and the state, political violence, and the global economy. It draws on contemporary examples from the United States and around the world. This course is intended for women's studies majors, political science majors, transfer students, and students interested in these topics.

POLI 124 Power and Justice: An Introduction to Political Theory

48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent

This course is an exploration of the relationship between power and justice in modern society. Topics include various accounts of the meaning of power and justice, how political institutions harness power, and the ways in which political power can both impede and advance justice. Materials include classic and contemporary texts, films, and literature. This course is intended for political science majors, transfer students, and students interested in these topics.

POLI 140 Contemporary International Politics

48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent

This course is a study of world politics including the various approaches to international relations and international political economy. Emphasis is placed on the roles of nationalism, nation-states, transnationalism and international organizations in the making of contemporary world politics as well as on issues of national security, power and diplomacy, economic competition, international law and the environment. This course is intended for students majoring in political science or anyone with an interest in world politics.

FT; AA/as; CSU; UC; C-ID: POLS 140.

POLI 201 Elementary Statistics for Political Science

48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

Prerequisite: Successful completion of Intermediate Algebra with a grade of C or better or appropriate placement based on California Title 5 regulations.

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent

This is an introductory course on statistical methods for political and social sciences. Emphasis is placed on basic data analysis techniques as well as elementary statistical and probability concepts. Topics include descriptive statistics; probability and sampling distributions; statistical inference; correlation and linear regression; analysis of variance, chi-square and t-tests; and application of technology for statistical analysis based on data from disciplines including business, social and behavioral sciences, life science, health science, and education. This course is designed for Political Science majors, other Social Sciences majors, and anyone interested in statistics.

FT; AA/as; CSU; UC; C-ID: SOCI 125.

POLI 290 Independent Study

48 - 162 hours other; 1-3 units

Grading: Letter Grade or Pass/No Pass

Limitation on Enrollment: Obtain Permission Number from Instructor

This course is for students who wish to study special topics in political science. It is not intended to replace an existing course in the discipline. In this course students have a written contract with their instructor for activities such as: preparing problem analyses, engaging in primary research, preparing reports and meeting with the instructor at specific intervals.

POLS-Political Science

For additional Political Science courses see POLI

POLS C1000 American Government and Politics

48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

Limitation on Enrollment: This course is not open to students with previous credit for POLI 102

Part 1 (Identical): This course is an introduction to government and politics in the United States and California. Students examine the constitutions, structure, and operation of governing institutions, civil liberties and civil rights, political behaviors, political issues, and public policy using political science theory and methodology. Part 2 (Local): This course is intended for transfer students, political science majors, or students interested in American government. (Formerly POLI 102).

FT; AA/as; CSU; UC; C-ID: POLS 110.

PSYC-Psychology

PSYC 101 General Psychology has been renumbered to PSYC C1000 Introduction to Psychology

PSYC 31 Social and Behavioral Sciences Statistics Support

16-18 hours lecture; 1 unit

Grading: Letter Grade Only

Corequisite: PSYC 258

Limitation on Enrollment: This course is not open to students with previous credit for POLI 31
This course provides additional hands-on experience in basic mathematical and statistical concepts. Students review key terms and definitions and practice foundational skills. This course is intended for students who require additional support to succeed in transfer-level Social and Behavioral Science statistics course.

FT.

PSYC 111 Psychological/Social Aspects of Aging, Death, and Dying

48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent

This course is a study of the psychological, physiological and social factors influencing behavior throughout the aging process, including the aspects of death and dying. This course is intended for students majoring in psychology and for all students interested in the psychology of aging.

FT; AA/as; CSU; UC.

PSYC 112 Interpersonal Relations

48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent

This course explores human behavior in the context of a variety of interpersonal relationships including family, group, personal, and workplace. Both in-person and technology-aided interactions are discussed. Topics include the science of interpersonal relations, dynamics of verbal and nonverbal communication, listening, cultural differences, self-disclosure, trust, group process, and conflict resolution. This course is intended for students with an interest in psychology and interpersonal relations.

FT; AA/as; CSU; UC.

PSYC 121 Introduction to Child Psychology

48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent

This course is a study of child growth and development from conception through adolescence. Topics include environmental management and interpersonal relations. This course is designed for psychology and child development majors as well as anyone interested in child psychology.

FT; AA/as; CSU; UC.

PSYC 125 Introduction to Behavior Modification

48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent

This course is an introduction to the basic principles of behavior modification. Emphasis is placed on applied learning theory as it pertains to life-style issues including exercise, weight and diet, time management, and stress and relaxation. This course is intended for Psychology majors and all students interested in the practical applications of learning theory.

FT; AA/as; CSU.

PSYC 133 Psychology of Women

48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent

This course is a study of the psychology of women, the nature of women's lives, and the various roles that women play. Emphasis is placed on an historical, ethnic, and cross-cultural treatment of women in the United States and abroad. Topics include women's sexuality, health, lifespan development, and socio-political status in the world today. This course is intended for psychology and women's studies majors.

FT; AA/as; CSU; UC.

PSYC 135 Marriage and Family Relations

48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent

This course is a study of the behaviors related to courtship, engagement, marriage, and family life. Emphasis is placed on the historical, cross-cultural, and social perspectives of families. Topics include interpersonal communication, economic management, and sexuality as they relate to the family. This course is intended for psychology and child development majors as well as all students interested in the psychology of interpersonal communication.

FT; AA/as; CSU; UC.

PSYC 137 Human Sexual Behavior**48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This course is a study of the psychological, social, and physiological dimensions of human sexual behavior. Emphasis is placed on the diversity of human sexual development and current research. This course is designed for psychology majors and all students interested in human sexual behavior and related issues.

FT; AA/as; CSU; UC.**PSYC 155 Introduction to Personality****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This course is a survey of the fundamental personality theories. Emphasis is placed on the personal life experiences of each of the major personality theorists, their research and assessment methods, and applications of their theories. This course is designed for psychology majors and anyone seeking a stronger understanding of psychological theory.

FT; AA/as; CSU; UC.**PSYC 161 Introduction to Counseling****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This course is an introductory study of the history and complexity of the counseling relationship. Emphasis is placed on the skills required to be an effective counselor. Topics include various counseling approaches and settings as well as related legal and ethical issues. This course is intended for psychology majors and anyone interested in the therapeutic aspects of counseling psychology.

FT; AA/as; CSU.**PSYC 166 Introduction to Social Psychology****48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

Social psychology examines how individuals are influenced by their social environment. Special attention is given to social cognition and perception, self-justification, conformity, group dynamics, prejudice, aggression, prosocial behavior and applied social psychology. Emphasis will be placed on developing critical and integrative ways of thinking about theory and research in social psychology. This course is for anyone who is interested in the subject of social psychology.

FT; AA/as; CSU; UC; C-ID: PSY 170.**PSYC 201 Academic and Career Opportunities in Psychology****16-18 hours lecture; 1 unit****Grading:** Pass/No Pass Only**Prerequisite:** PSYC C1000 with a Grade of "C" or better, or equivalent**Advisory:** 30 units of college course work

This course is a study of career options in the field of Psychology. Emphasis is placed on the identification of career-related strengths and interests and information on post-baccalaureate options in psychology and related fields. This course is designed for students interested in majoring in psychology.

FT; AA/as; CSU.**PSYC 211 Learning****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** PSYC C1000 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for PSYC 210

This course is a study of the basic principles and research in animal and human learning. Topics include scientific versus nonscientific approaches to behavior studies, operant and respondent conditioning, observational and cognitive learning, and motivation as related to self-control. This course is designed for students majoring in psychology or interested in the field.

PSYC 230 Psychology of Lifespan Development**48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** PSYC C1000 with a Grade of "C" or better, or equivalent

This course is a study of the psychological development of humans in all their sociocultural diversity from conception to death. Emphasis is placed on the major theoretical paradigms related to growth and change and the variety of factors that shape similarities and differences in life. This course is intended for students majoring in psychology.

FT; AA/as; CSU; UC.

PSYC 245 Abnormal Psychology**48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This course is a comprehensive survey of recognized patterns of abnormal behavior. Emphasis is placed on the theoretical models as they relate to assessment, diagnoses, etiology, treatment, and prognosis of recognized disorders. Topics also include legal and ethical issues related to abnormal psychology. This course is designed for psychology majors and all students interested in abnormal psychology.

FT; AA/as; CSU; UC.**PSYC 255 Introduction to Psychological Research****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** PSYC C1000 with a Grade of "C" or better, or equivalent and PSYC 258 with a Grade of "C" or better, or equivalent or STAT C1000 with a Grade of "C" or better, or equivalent or BIOL 200 with a Grade of "C" or better, or equivalent

This course is an introduction to scientific methodology in psychology. Emphasis is placed on descriptive, experimental, and applied research. Students use the American Psychological Association writing style for empirical report writing. This course is intended for psychology majors and majors with components of the research process.

FT; AA/as; CSU; UC; C-ID: PSY 200.**PSYC 255L Introduction to Psychological Research Laboratory****48-54 hours lab; 1 unit****Grading:** Letter Grade Only**Corequisite: Completion of or concurrent enrollment in:** PSYC 255 with a Grade of "C" or better, or equivalent**Advisory:** PSYC 259 with a Grade of "C" or better, or equivalent

This course introduces students to the basics of statistical software, data collection, entry, and analysis, and report writing. Students actively participate in the research process. This course is intended for psychology and other behavioral science majors and anyone interested in learning about research and applying research skills.

FT; AA/as; CSU; UC.**PSYC 258 Behavioral Science Statistics****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** Successful completion of Intermediate Algebra with a grade of C or better or appropriate placement Milestone M40 or M50 based on California Title 5 regulations. Students with Milestone M30 must enroll in LCOM 258X (PSYC 258 and PSYC 31 Learning Community).**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This course is an introductory study of statistics for the behavioral sciences. Emphasis is placed on acquainting students with the concepts underlying statistical methods and research approaches; basic statistical analyses; and principles. Topics include data collection; descriptive and inferential statistics; sampling distributions; measures of central tendency, dispersion, relative standing, and relationship; probability; prediction; hypothesis evaluation; and tests for treatment effects. This course is intended for students majoring in the behavioral/social sciences or those interested in applied statistics.

FT; AA/as; CSU; UC; C-ID: SOCI 125, PSYC 258 + 259 = MATH 110, PSYC 258 + 259R = MATH 110.**PSYC 259 Behavioral Science Statistics Laboratory****48-54 hours lab; 1 unit****Grading:** Letter Grade or Pass/No Pass**Corequisite: Completion of or concurrent enrollment in:** PSYC 258 with a Grade of "C" or better, or equivalent

This laboratory course offers students practice in using statistical analysis software for the behavioral sciences. Emphasis is placed on data entry, graphing, hypothesis testing and statistical analyses. This course is intended for psychology and other behavioral science majors and anyone interested in using statistical analysis software for research purposes.

FT; AA/as; CSU; C-ID: PSYC 258 + 259 = MATH 110.**PSYC 259R Statistics Laboratory Using R****48-54 hours lab; 1 unit****Grading:** Letter Grade or Pass/No Pass**Corequisite: Completion of or concurrent enrollment in:** PSYC 258 with a Grade of "C" or better, or equivalent

This laboratory course offers students practice in performing statistical analysis for the behavioral sciences using the accessible and flexible program R. Emphasis is placed on displaying data, describing data, performing hypothesis tests, and basic programming in R. This course is intended for psychology and other behavioral science majors and anyone interested in using R to perform basic programming and statistical analysis for research purposes.

FT; AA/as; CSU; UC; C-ID: PSYC 258 + PSYC 259R = MATH 110.

PSYC 260 Introduction to Physiological Psychology

48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

Prerequisite: PSYC C1000 with a Grade of "C" or better, or equivalent

This course is a study of the biological bases of behavioral and cognitive processes. Emphasis is placed on neuroanatomy and neurophysiology as a means for understanding how basic neurological processes impact perception, movement, consciousness, sexual behaviors, ingestive behaviors, emotions, learning, memory, communication, and neurological and psychological disorders. This course is designed for students majoring in psychology and all students interested in physiological psychology.

FT; AA/as; CSU; UC; C-ID: PSY 150.

PSYC 260L Introduction to Physiological Psychology Laboratory

48-54 hours lab; 1 unit

Grading: Letter Grade Only

Corequisite: Completion of or concurrent enrollment in: PSYC 260 with a Grade of "C" or better, or equivalent

This course is designed to provide an introduction to fundamentals in physiological psychology, including laboratory techniques and practices in neuroscience. An emphasis is placed on identifying basic cellular structures of neurons, learning basic anatomy of the brain, and operating common laboratory equipment. The course also focuses on laboratory safety training, chemical hygiene, improving computer literacy, proper use of personal protective equipment, and maintaining a laboratory notebook. This course is intended for all students interested in physiological psychology, as well as experimental psychology, and offers an opportunity to develop knowledge on modernized laboratory facilities and standardized operating procedures.

FT; AA/as; CSU; UC.

PSYC 276 Field Work in Psychological Services

32-36 hours lecture/48-54 hours other; 3 units

Grading: Letter Grade or Pass/No Pass

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent

This supervised field experience course enables the student to be of service to the community while learning about the function of human care services. Emphasis is placed on providing students with the chance to explore the varied career choices in the field of psychology as well as on practical experience with basic helping skills in current social service situations. This course is intended for students who want to work with people in human care services.

FT; AA/as; CSU.

PSYC 283 Introduction to Cognitive Psychology

48-54 hours lecture; 3 units

Grading: Letter Grade Only

Prerequisite: PSYC C1000 with a Grade of "C" or better, or equivalent

This course is a study of the theory and research on cognitive processes. Emphasis is placed on perception, attention, learning, memory, language, thought, visual cognition, problem solving, and applications of cognitive psychology. This course is intended for students majoring in psychology and all students interested in cognitive processes.

FT; AA/as; CSU; UC.

PSYC 401 Organizational Psychology for the Healthcare Professional

48-54 hours lecture; 3 units

Grading: Letter Grade Only

Prerequisite: PSYC C1000 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: Special Admission - must be admitted to program.

This course examines the methodology and content of Industrial and Organizational (I/O) Psychology. This is the branch of psychology that examines people in the workplace and all the factors that affect how people behave at work. The concepts include individual, group, and organizational issues that enhance the understanding of the world of healthcare. Research findings involved in the study of how people behave, think about, influence, and interact with each other at work, with an emphasis on factors that affect job performance are also discussed. This course is designed for health information management majors.

FT; AA/as; CSU.

PSYC C1000 Introduction to Psychology

48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for PSYC 101

Part 1 (CCN Identical): This course is an introduction to psychology, which is the study of the mind and behavior. Students focus on theories and concepts of biological, cognitive, developmental, environmental, social, and cultural influences; their applications; and their research foundations. Part 2 (Local): This course is designed for students planning to take advanced courses in social and behavioral sciences or anyone interested in learning more about the mind, behavior, and mental health. (Formerly PSYC 101).

FT; AA/as; CSU; UC; C-ID: PSY 110.

RADT-Radiologic Technology

RADT 60 Venipuncture for Radiology

24-27 hours lab; 0.5 units

Grading: Letter Grade Only

Advisory: BIOL 160 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: Special Admission - must be admitted to program.

This course provides students with supervised training in venipuncture and meets the California Health and Safety Code requirements for venipuncture certificate. This course is for Radiologic Technology students and community Radiologic Technologists.

RADT 70L Orientation to X-Ray Equipment

24-27 hours lab; 0.5 units

Grading: Letter Grade Only

Limitation on Enrollment: Special Admission - must be admitted to program.

This is an introductory lab course for students admitted into the Radiologic Technology program. Topics include the diagnostic x-ray system, radiographic body positions and projections, x-ray production and units, radiation safety, basic exposure, and image receptor techniques.

FT; AA/as.

RADT 86 Fluoroscopy and Radiation Safety

40-45 hours lecture; 2.5 units

Grading: Letter Grade Only

Corequisite: Completion of or concurrent enrollment in: RADT 240 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: Special Admission - must be admitted to program.

This course is not open to students with previous credit for RADT 85

This is an advanced course in fluoroscopy and radiation protection for students enrolled in the Radiologic Technology program. Topics include fluoroscopy regulations and radiation safety, fluoroscopic equipment, image intensifiers, closed-circuit equipment, image recording and image recording equipment, special fluoroscopic equipment, mobile image intensified units, anatomy and physiology of the eye and three-dimensional and radiologic anatomy.

FT; AA/as.

RADT 101 Basic Radiologic Technology

32-36 hours lecture; 2 units

Grading: Letter Grade Only

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: Special Admission - must be admitted to program.

This course is not open to students with previous credit for RADT 105

This is an introductory course for students in the Radiologic Technology program. Topics include the role and function of the radiographer, professional organizations, medicolegal principles, state and federal regulations, radiographic terminology, basic radiation production and radiation safety.

FT; AA/as; CSU.

RADT 110 Recording Media

32-36 hours lecture; 2 units

Grading: Letter Grade Only

Corequisite: Completion of or concurrent enrollment in: RADT 121 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: Special Admission - must be admitted to program.

Topics in this course include various image receptors and mechanisms utilized to acquire, display, archive and retrieve digital images in computed radiography (CR) and digital radiography (DR) formats of diagnostic radiology. Principles of digital system quality assurance and maintenance are presented. This course is for students enrolled in the Radiologic Technology program.

FT; AA/as; CSU.

RADT 121 Radiographic Exposure

48-54 hours lecture; 3 units

Grading: Letter Grade Only

Limitation on Enrollment: Special Admission - must be admitted to program.

This course is not open to students with previous credit for RADT 120A or RADT 121A.

This is a course for students in the Radiologic Technology program. Topics include the selection of proper exposure factors and accessories to obtain optimal image quality while reducing patient dose.

FT; AA/as; CSU.

RADT 121C Radiographic Exposure Laboratory**48-54 hours lab; 1 unit****Grading:** Letter Grade Only**Corequisite: Completion of or concurrent enrollment in:** RADT 121 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course is not open to students with previous credit for RADT 120B or RADT 121L or RADT 121B.

This is a laboratory course for students in the Radiologic Technology program. Topics include radiation safety, selection of exposure factors, image processing and evaluation of image quality.

FT; AA/as; CSU.**RADT 131 Patient Care****48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Corequisite: Completion of or concurrent enrollment in:** RADT 190 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course is not open to students with previous credit for RADT 130

This is an introductory level course for students enrolled in the Radiologic Technology program. Topics include integrated patient care within the radiology department, physical and psychological needs of the patient, patient privacy laws, patient safety and assessment, routine and emergency patient care procedures, body mechanics with patient transfer, infection control, venipuncture assisting, use of contrast media, common drug nomenclature and basic concepts of pharmacology.

FT; AA/as; CSU.**RADT 190 Radiographic Positioning I****16-18 hours lecture; 1 unit****Grading:** Letter Grade Only**Corequisite: Completion of or concurrent enrollment in:** RADT 131 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course is not open to students with previous credit for RADT 199

This is an introductory level lecture course for students enrolled in the Radiologic Technology program. Topics include radiographic positioning and image critique of the chest, abdomen, pelvis and extremities.

FT; AA/as; CSU.**RADT 190L Radiographic Positioning-I Laboratory****48-54 hours lab; 1 unit****Grading:** Letter Grade Only**Prerequisite:** RADT 70L with a Grade of "C" or better, or equivalent**Corequisite: Completion of or concurrent enrollment in:** RADT 190 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course is not open to students with previous credit for RADT 199

This is an introductory laboratory for students in the Radiologic Technology program. Topics include radiographic positioning and image critique of the chest, abdomen, pelvis and extremities.

FT; AA/as; CSU.**RADT 192 Image Analysis for Radiologic Technology****32-36 hours lecture; 2 units****Grading:** Letter Grade Only**Corequisite: Completion of or concurrent enrollment in:** RADT 256C with a Grade of "C" or better, or equivalent**and RADT 110 with a Grade of "C" or better, or equivalent****Limitation on Enrollment:** Special Admission - must be admitted to program.

This course is designed for students enrolled in the Radiologic Technology program. Topics include image analysis criteria for: chest and abdomen; upper extremity; shoulder; lower extremity; pelvis, hip and sacroiliac joints; cervical and thoracic vertebrae; sternum and ribs; lumbar, sacral and coccyx vertebrae; some cranium, facial bones and paranasal sinuses; and digestive system.

FT; AA/as; CSU.**RADT 201 Radiographic Positioning II****16-18 hours lecture; 1 unit****Grading:** Letter Grade Only**Prerequisite:** RADT 190 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course is not open to students with previous credit for RADT 200

This is an intermediate course for students in the Radiologic Technology program. Course topics include radiographic positioning and image critique of the vertebral column, as well as shoulder girdle, bony thorax and some advanced and/or uncommon orthopedic views of extremities and pelvis.

FT; AA/as; CSU.

RADT 201L Radiographic Positioning II

Laboratory

48-54 hours lab; 1 unit

Grading: Letter Grade Only

Corequisite: Completion of or concurrent enrollment

in: RADT 201 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: Special Admission - must be admitted to program.

This course is not open to students with previous credit for RADT 200

This is an intermediate laboratory course for students in the Radiologic Technology program. Course topics include radiographic positioning and image critique of the vertebral column, as well as shoulder girdle, bony thorax and some advanced and/or uncommon orthopedic views of extremities and pelvis.

FT; AA/as; CSU.

RADT 210 Radiographic Positioning III

16-18 hours lecture; 1 unit

Grading: Letter Grade Only

Prerequisite: RADT 201 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: Special Admission - must be admitted to program.

This course is not open to students with previous credit for RADT 211

This is an advanced course for students in the Radiologic Technology program. Course topics include radiographic positioning and image critique of cranial structures and contrast media examinations of the gastrointestinal, urinary, musculoskeletal, reproductive, vascular and central nervous systems. Mobile and trauma procedures are also discussed.

FT; AA/as; CSU.

RADT 210L Radiographic Positioning III Lab

48-54 hours lab; 1 unit

Grading: Letter Grade Only

Corequisite: Completion of or concurrent enrollment

in: RADT 210 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: Special Admission - must be admitted to program.

This course is not open to students with previous credit for RADT 211

This is an advanced course for students in the Radiologic Technology program. Course topics include laboratory radiographic simulation and image critique of cranial structures and contrast media examinations of the gastrointestinal, urinary, musculoskeletal, reproductive, vascular and central nervous systems. Mobile and trauma procedures are also discussed.

FT; AA/as; CSU.

RADT 221 Advanced Imaging Techniques

32-36 hours lecture; 2 units

Grading: Letter Grade Only

Corequisite: Completion of or concurrent enrollment

in: RADT 121 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: Special Admission - must be admitted to program.

This course is not open to students with previous credit for RADT 220

This is an advanced level course for students in the Radiologic Technology program. Topics include radiographic digital imaging, quality control and quality assurance, as well as introductory concepts in advanced imaging modalities, including Computed Tomography (CT), Magnetic Resonance (MR), Cardiac Interventional (CI), Vascular Interventional (VI), Ultrasound (US), Nuclear Medicine (NM) and Dual Energy X-ray Absorptiometry (DEXA).

FT; AA/as; CSU.

RADT 230 Radiologic Science

32-36 hours lecture; 2 units

Grading: Letter Grade Only

Corequisite: Completion of or concurrent enrollment

in: RADT 121 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: Special Admission - must be admitted to program.

This is a course for students in the Radiologic Technology program. Topics include the theoretical principles in radiation physics, x-ray production, interaction of x-rays with matter and the function of x-ray equipment components.

FT; AA/as; CSU.

RADT 231 Pathology for Imaging Sciences

32-36 hours lecture; 2 units

Grading: Letter Grade Only

Corequisite: Completion of or concurrent enrollment

in: RADT 210 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: Special Admission - must be admitted to program.

This is an advanced course for students in the Radiologic Technology Program. Topics include: Pathologic Processes and Imaging Strategies for the Skeletal, Respiratory, Gastrointestinal, Hepatobiliary, Urinary, Reproductive, Circulatory, Nervous and Endocrine Systems. Contrast media selection and use for pathologic visualization is also discussed. This course is designed for students admitted into the Radiologic Technology program.

FT; AA/as; CSU.

RADT 240 Radiation Biology**16-18 hours lecture; 1 unit****Grading:** Letter Grade Only**Corequisite:** RADT 230**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course includes an overview of the principles of the interaction of radiation with living systems. Radiation effects on molecules, cells, tissues and the body as a whole are presented. Factors affecting biological responses are also presented, including acute and chronic effects of radiation. This course is for students enrolled in the Radiologic Technology program.

FT; AA/as; CSU.**RADT 241 Sectional Anatomy****16-18 hours lecture; 1 unit****Grading:** Letter Grade Only**Limitation on Enrollment:** Special Admission - must be admitted to program.

This is an advanced course for students in the Radiologic Technology program. Topics include differentiation of head, neck, thorax, abdomen, pelvis and extremity anatomy demonstrated on sectional images from various imaging modalities.

FT; AA/as; CSU.**RADT 242 Organization of Radiology****16-18 hours lecture; 1 unit****Grading:** Letter Grade Only**Corequisite:** RADT 257C**Limitation on Enrollment:** Special Admission - must be admitted to program.

This is an advanced level course for students in the Radiologic Technology program. Emphasis is placed on radiologic technologist responsibilities, compliance, imaging advancements and certifications.

FT; AA/as; CSU.**RADT 256A Directed Clinical Practice I****240-270 hours other; 5 units****Grading:** Letter Grade Only**Corequisite: Completion of or concurrent enrollment****in:** RADT 131 with a Grade of "C" or better, or equivalent and RADT 190 with a Grade of "C" or better, or equivalent and RADT 190L with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course is not open to students with previous credit for RADT 251A or RADT 254A

This is a beginning level course for students in the Radiologic Technology program. This course provides students with supervised clinical training at a District clinical affiliate. Topics include basic patient and radiographic care, medical ethics and safety, and effective healthcare communication. Exam competency focuses on basic exposure principles and radiographic procedures of the chest, thorax, abdomen, pelvis and extremities. Supervision is shared by the staff of the clinical education center and college faculty.

FT; AA/as; CSU.**RADT 256B Directed Clinical Practice II****360-405 hours other; 7.5 units****Grading:** Letter Grade Only**Prerequisite:** RADT 256A with a Grade of "C" or better, or equivalent**Corequisite: Completion of or concurrent enrollment****in:** RADT 121 with a Grade of "C" or better, or equivalent and RADT 121C with a Grade of "C" or better, or equivalent and RADT 201 with a Grade of "C" or better, or equivalent and RADT 201L with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course is not open to students with previous credit for RADT 251C or RADT 251B or RADT 254B

This is a course for students in the Radiologic Technology program. This course provides students with supervised clinical training at a District clinical affiliate. Topics include increased skills in patient and radiographic care, medical ethics and safety, and effective healthcare communication. Exam competency focuses on basic exposure principles and radiographic procedures of the spine and fluoroscopic procedures of the gastrointestinal, urinary and biliary systems. Supervision is shared by the staff of the clinical education center and college faculty.

FT; AA/as; CSU.

RADT 256C Directed Clinical Practice III**288-324 hours other; 6 units****Grading:** Letter Grade Only**Prerequisite:** RADT 256B with a Grade of "C" or better, or equivalent**Corequisite: Completion of or concurrent enrollment****in:** RADT 192 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course is not open to students with previous credit for RADT 252A or RADT 254C

This is an intermediate course for students in the Radiologic Technology program. Course material provides students with supervised clinical training at a District clinical affiliate. Topics include the advancement of patient care and radiographic skills while employing appropriate medical ethics and safety and effective healthcare communication. Supervision is shared by the staff of the clinical education center and college faculty.

FT; AA/as; CSU.**RADT 257A Directed Clinical Practice IV****360-405 hours other; 7.5 units****Grading:** Letter Grade Only**Prerequisite:** RADT 256C with a Grade of "C" or better, or equivalent**Corequisite: Completion of or concurrent enrollment****in:** RADT 210 with a Grade of "C" or better, or equivalent and RADT 210L with a Grade of "C" or better, or equivalent and RADT 221 with a Grade of "C" or better, or equivalent and RADT 230 with a Grade of "C" or better, or equivalent and RADT 231 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course is not open to students with previous credit for RADT 252B or RADT 255A

This is an advanced course for students in the Radiologic Technology program. This course provides students with supervised clinical training at a District clinical affiliate. Topics include the advancement of skills in patient care and radiographic skills while employing appropriate medical ethics, safety and effective healthcare communication. Exam competency focuses on radiographic procedures of cranio-facial structures and fluoroscopic examinations of the musculoskeletal, reproductive, vascular and central nervous systems. Supervision is shared by the staff of the clinical education center and college faculty.

FT; AA/as; CSU.**RADT 257B Directed Clinical Practice V****360-405 hours other; 7.5 units****Grading:** Letter Grade Only**Prerequisite:** RADT 257A with a Grade of "C" or better, or equivalent**Corequisite: Completion of or concurrent enrollment****in:** RADT 86 with a Grade of "C" or better, or equivalent and RADT 240 with a Grade of "C" or better, or equivalent and RADT 241 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course is not open to students with previous credit for RADT 253A or RADT 255B

This is an advanced course for students in the Radiologic Technology program. This course provides students with supervised clinical training at a District clinical affiliate. Topics include the advancement of skills in patient and radiographic care while employing appropriate medical ethics, safety and effective healthcare communication. Exam competency focuses on trauma, pediatric, operative and mobile radiographic procedures. Supervision is shared by the staff of the clinical education center and college faculty.

FT; AA/as; CSU.**RADT 257C Directed Clinical Practice VI****288-324 hours other; 6 units****Grading:** Letter Grade Only**Prerequisite:** RADT 257B with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course is not open to students with previous credit for RADT 253B or RADT 255C.

This is an advanced course for students in the Radiologic Technology program. This course provides students with supervised clinical training at a District clinical affiliate. Topics include the advancement of skills in patient and radiographic care while employing appropriate medical ethics and safety, as well as effective healthcare communication. Supervision is shared by the staff of the clinical education center and college faculty.

FT; AA/as; CSU.

RADT 257D Directed Clinical Practice Computed Tomography**288-324 hours other; 6 units****Grading:** Letter Grade Only**Prerequisite:** RADT 275 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course is for clinical rotations in computed tomography in one of our affiliate hospitals. This course introduces Radiologic Technology students to the clinical environment in computed tomography.

FT; AA/as; CSU.**RADT 271 Digital Mammography****32-36 hours lecture; 2 units****Grading:** Letter Grade Only**Corequisite: Completion of or concurrent enrollment in:** RADT 210 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for RADT 248 or RADT 249
Special Admission - must be admitted to program.

This is an advanced course for the students in the Radiologic Technology program. Topics include basic principles of mammography and clinical application in diagnosing breast disease. Emphasis is placed on developing appropriate care and communication in mammography, image quality, and correct film and digital processing parameters.

FT; AA/as; CSU.**RADT 271L Digital Mammography Laboratory****24-27 hours lab; 0.5 units****Grading:** Letter Grade Only**Corequisite: Completion of or concurrent enrollment in:** RADT 271 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course is not open to students with previous credit for RADT 249

This is a course for mammography students to have experience with Quality Assurance (QA) and Quality Control (QC) of mammography equipment. This course provides hands on training of breast tissue to the required views needed in the clinical setting.

FT; AA/as; CSU.**RADT 275 Computed Tomography Imaging****32-36 hours lecture; 2 units****Grading:** Letter Grade Only**Corequisite: Completion of or concurrent enrollment in:** RADT 241 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for RADT 246

Special Admission - must be admitted to program.

This is a course for radiologic technology students to study the imaging modality of Computed Tomography (CT). The underlying physical principles, imaging method, instrumentation, imaging manipulation and clinical use of the modality in diagnostic imaging are explored.

FT; AA/as; CSU.**RADT 275L Computed Tomography Imaging Laboratory****24-27 hours lab; 0.5 units****Grading:** Letter Grade Only**Corequisite:** RADT 275**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course is not open to students with previous credit for RADT 246.

This is a course for radiologic technology students to study the imaging modality of Computed Tomography (CT). The underlying physical principles, imaging method, instrumentation, imaging manipulation and clinical use of the modality in diagnostic imaging are explored. This course also provides CT experience with software, planning and implementation of scanning protocols along with quality control.

FT; AA/as; CSU.

REAL-Real Estate**REAL 044 Supervised Tutoring in Real Estate****0 units****Grading:** Non-credit Course

This course is designed to prepare the student to succeed in the corequisite and subsequent subject matter courses.

This course may be taken four times with a different corequisite subject matter course.

REAL 101 Real Estate Principles**48-54 hours lecture; 3 units****Grading:** Letter Grade Only

This course is a study of the economics and transfer of land ownership. Emphasis is placed on the roles and responsibilities of the broker, the owner and the purchaser in the buying and selling of property. This course is designed for students majoring in real estate and anyone interested in the principles of real estate. This course applies toward the State's educational requirements for the real estate salesperson's license examination and as an elective for the broker's license exam. This course is intended for current or future real estate professionals.

FT; AA/as; CSU.**REAL 105 Legal Aspects of Real Estate****48-54 hours lecture; 3 units****Grading:** Letter Grade Only

This course is a study of California Real Estate law. Emphasis is placed on the practical application of the law to legal problems arising from real estate transactions; statutory enactment and case law; legal instruments; zoning ordinances; and city and county planning decisions. This course applies toward the State's educational requirements for the broker's examination and as an elective for the real estate salesperson's license exam. This course is intended for current or future real estate professionals.

FT; AA/as; CSU.**REAL 110 Principles of Real Estate Appraisal I****48-54 hours lecture; 3 units****Grading:** Letter Grade Only

This course is a study of basic appraisal principles, market analysis, and highest and best use. Topics include an overview of real property concepts and characteristics; legal consideration; value influences; real estate finance; types of value; economic principles; real estate markets and analysis; and ethics in appraisal practice. Course content also includes the tools needed to properly collect and analyze market data including market segmentation and disaggregation; supply side analysis; demand analysis; and highest and best use. This course applies toward the State's educational requirements for the broker's examination and the real estate appraiser trainee examination, and as an elective for the real estate salesperson's license exam. This course is intended for current or future real estate professionals. This course is intended for investors and current or future real estate professionals.

FT; AA/as; CSU.**REAL 115 Real Estate Finance****48-54 hours lecture; 3 units****Grading:** Letter Grade Only

This course is a study of real estate finance. Emphasis is placed on the types of real estate lenders, the sources of income for lending purposes, and buyer qualifications. This course is designed for students majoring in real estate and for anyone interested in real estate finance. This course applies toward the State's educational requirements for the broker's examination and as an elective for the real estate salesperson's license exam. This course is intended for current or future real estate professionals.

FT; AA/as; CSU.**REAL 120 Real Estate Practice****48-54 hours lecture; 3 units****Grading:** Letter Grade Only

This course examines the principles of real estate practice as they pertain to day-to-day operations in a real estate office. Topics include listings, valuations, prospecting, selling, financing, exchanges, taxation, and specialized brokerage operations. Professional and ethical activities are stressed. This course applies toward the State's educational requirements for both the broker's and the real estate salesperson's examination. This course is intended for current or future real estate professionals.

FT; AA/as; CSU.**REAL 125 Real Estate Economics****48-54 hours lecture; 3 units****Grading:** Letter Grade Only

This course deals with trends and factors that affect the value of real estate; the nature and classification of land economics; the development of property, construction, and subdivision; economic values and real estate evaluation; real estate cycles and business fluctuations; residential market trends; and real property and special purpose property trends. This course applies toward the State's educational requirements for the broker's examination and as an elective for the real estate salesperson's license. This course is intended for current or future real estate professionals.

FT; AA/as; CSU.**REAL 130 Real Property Management****48-54 hours lecture; 3 units****Grading:** Letter Grade Only

This course is a practical approach to the principles and practices of managing income properties. Emphasis is placed on marketing, leasing, and maintenance of real property. This course applies toward the State's educational requirements for the broker's examination and as an elective for the real estate salesperson's license exam. This course is intended for current or future real estate professionals.

FT; AA/as; CSU.

RUSS-Russian

RUSS 101 First Course in Russian

80-90 hours lecture; 5 units

Grading: Letter Grade or Pass/No Pass

This is an entry level course designed to introduce students to the Russian language and cultures of the Russian-speaking world. In this interactive course, students learn and use the language by speaking, listening, reading, and writing at the novice level. Basic language structures and vocabulary for communication are examined and explored in Russian. This course is intended for all students interested in the Russian language and culture.

FT; AA/as; CSU; UC.

RUSS 102 Second Course in Russian

80-90 hours lecture; 5 units

Grading: Letter Grade or Pass/No Pass

Prerequisite: RUSS 101 with a Grade of "C" or better, or equivalent or two years of high school Russian or equivalent

This course is the second in the Russian language series. Emphasis is placed on developing language competency and an understanding of the Russian culture. In this interactive course, students listen, read, speak, and write beyond the novice level. Students develop their receptive and productive competencies to the low-intermediate or mid-intermediate level. Additional language structures and vocabulary for communication are examined and explored in Russian. This course is intended for all students interested in the Russian language and culture.

FT; AA/as; CSU; UC.

RUSS 201 Third Course in Russian

80-90 hours lecture; 5 units

Grading: Letter Grade or Pass/No Pass

Prerequisite: RUSS 102 with a Grade of "C" or better, or equivalent or three years of high school Russian

This is the third course in the Russian language sequence. In this interactive course, students use the language through speaking, listening, reading, and writing at the intermediate level. More complex language structures and vocabulary for communication are examined and explored as well as the literary and historical aspect of Russian culture. This course is appropriate for students interested in continuing their study of the Russian language and culture as well as for students who need to meet language proficiency or general education requirements in the humanities.

FT; AA/as; CSU; UC.

SOCO-Sociology

SOCO 101 Principles of Sociology

48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

This course is an introductory study of the basic concepts, theoretical approaches, and methods of sociology. Topics include the scientific study of social interaction, structure, and organization; groups; socialization and the self; social stratification; culture and diversity; social change; and global dynamics. Topics and examples emphasize present-day America, including cross-cultural and multicultural analysis. This general education course is intended for students interested in the social sciences and those considering careers in counseling, teaching, social work or nursing.

FT; AA/as; CSU; UC; C-ID: SOCI 110.

SOCO 110 Contemporary Social Problems

48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent

This course requires students to identify and analyze present day social problems in the United States, with emphasis on sociological factors involved, including cross-cultural and multicultural analysis. Students use scientific methods and criteria for evaluating proposals for social betterment. This course is useful for students pursuing careers in criminology, counseling, education, law, and medicine.

FT; AA/as; CSU; UC; C-ID: SOCI 115.

SOCO 125 Sociology of the Family**48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass

This course is a study of the structures and functions of the family as a social, cultural and historical institution in the United States and throughout the world. Emphasis is placed on an analysis of the family's relationship to economic structures, political institutions and belief systems. Topics include definitions of family, gender roles and family stability. This course is intended for students majoring in sociology, psychology, social work and counseling as well as any student interested in the study of the family as an institution.

FT; AA/as; CSU; UC; C-ID: SOCI 130.**SOCO 145 Health and Society****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory: Completion of or concurrent enrollment in:**

ENGL C1000 with a Grade of "C" or better, or equivalent

This course presents a broad introduction of sociological concepts and ideas related to the study of health and illness in the United States (US). Emphasis is placed on the relationship between social forces and health, the cultural meanings associated with health and illness, and the social behavior of health care professionals and patients. Further focus includes the political and economic consequences and effects surrounding health care and the structure of social institutions that constitute the health care industry. In addition, race, gender, age, social class, sexuality, and disability are a focal point of analysis throughout this course as these identities influence the experience of health and illness. This course is designed for sociology majors and/or those interested in better understanding health and illness as social experiences in the US.

FT; AA/as; CSU; UC.**SOCO 150 Sociology of Latinos/Latinas****48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This course is an in-depth sociological examination of Latino communities in the United States. Topics include family structure, gender roles, and sexuality; religion; economics; racism; social movements; U.S./Mexico border issues and immigration policy; and education. Emphasis is placed on social interactions, the politics of identity formation, and social processes impacting the status of U.S. Latinos. This course is intended for sociology majors or any student interested in the social sciences.

FT; AA/as; CSU; UC.**SOCO 201 Advanced Principles of Sociology****48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent

This course is a study of the origins of sociological theory. Principal contributors are presented and examined in detail, with special attention to their model of human action, the nature of empirical fact, and implications for public policy. With an emphasis on critical analyses of science and the humanities, this course is designed to provide a standard theory foundation for transfer students majoring in the arts, sciences, or social sciences.

SOCO 207 Introduction to Race and Ethnicity**48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent or ENGL 105 with a Grade of "C" or better, or equivalent

This course is a sociological analysis of race, ethnicity, racism, and discrimination. Students examine the cultural, political, and economic practices and institutions that support or challenge racism and discrimination and racial and ethnic inequalities. Other topics include the historical and contemporary patterns of interaction between various racial and ethnic groups. This course is intended for students majoring in sociology or ethnic studies, or those interested in race and ethnicity.

FT; AA/as; CSU; UC.**SOCO 220 Introduction to Research Methods in Sociology****48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Prerequisite:** SOCO 101 with a Grade of "C" or better, or equivalent**Advisory:** PSYC 258 with a Grade of "C" or better, or equivalent

This course introduces students to the fundamental elements of sociological research. Topics include the role of theory in research, issues of ethics, key steps of research design, a review of data collection methods, quantitative and qualitative analyses, and development of a research report. This course is intended for students majoring in Sociology or other fields of social science.

FT; AA/as; CSU; UC; C-ID: SOCI 120.

SOCO 223 Globalization and Social Change**48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** SOCO 101 with a Grade of "C" or better, or equivalent and ENGL C1000 with a Grade of "C" or better, or equivalent

This course evaluates the social and political changes brought on by globalization among industrialized, industrializing, and underdeveloped nations. It presents arguments and theories for and against globalization supplemented with empirical examples. The course is useful for those considering careers in law, politics, business, teaching, or non-profit organizations dealing with human rights issues, political advocacy, or international affairs.

FT; AA/as; CSU; UC.**SOCO 270 Work Experience****54 - 216 hours other; 1-4 units****Grading:** Letter Grade or Pass/No Pass

A program of on-the-job learning experiences for students employed in a job related to the field of Sociology. See Work Experience section for further information. One unit of credit may be earned for every 54 hours of work experience. A maximum of fourteen credit hours for all work experience subject areas may be earned during one enrollment period.

SOCO 290 Independent Study**48 - 162 hours other; 1-3 units****Grading:** Letter Grade or Pass/No Pass**Limitation on Enrollment:** Obtain Permission Number from Instructor

This course is designed for students who wish to conduct additional research, a special project, or learning activities in the field of sociology. It is not intended to replace an existing course in the discipline. In this course students have a written contract with their instructor for activities such as: preparing problem analyses, engaging in primary research, preparing reports, and meeting with the instructor at specific intervals.

SPAN-Spanish**SPAN 101 First Course in Spanish****80-90 hours lecture; 5 units****Grading:** Letter Grade or Pass/No Pass**Limitation on Enrollment:** This course is not open to students with previous credit for or concurrent enrollment in SPAN 100

This interactive course introduces students to the Spanish language and the cultures of the Spanish speaking world. Students use basic Spanish language structures and vocabulary to speak, listen, read, and write in cultural context at the novice level. This course is intended for all students interested in gaining proficiency in the Spanish language for academic purposes and/or personal enrichment.

FT; AA/as; CSU; UC; C-ID: SPAN 100.**SPAN 102 Second Course in Spanish****80-90 hours lecture; 5 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** SPAN 101 with a Grade of "C" or better, or equivalent or two years of high school Spanish**Limitation on Enrollment:** This course is not open to students with previous credit for or concurrent enrollment in SPAN 100.

This interactive course is the second in the Spanish language series. Students use increasingly complex Spanish language structures to speak, listen, read, and write in cultural context at the novice-high level. This course is intended for all students interested in gaining proficiency in the Spanish language for academic purposes and/or personal enrichment

FT; AA/as; CSU; UC; C-ID: SPAN 110.

SPAN 125 Spanish for Health Care Professionals I
48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

Prerequisite: SPAN 101 with a Grade of "C" or better, or equivalent or equivalent or two years of high school Spanish with a grade of 'C' or better, or equivalent
This Spanish course develops comprehension and fluency and introduces medical terminology and content at the novice-high level through culturally and medically relevant materials. Students acquire the specialized vocabulary needed in medical professions, dramatize professional medical interactions, and develop the grammatical and cultural competency needed to succeed as health professionals. Culturally sensitive oral communication is emphasized and context-specific grammatical structures particular to the health profession introduced. This course is intended for students preparing to work in the medical and health fields.

FT; AA/as; CSU.

SPAN 201 Third Course in Spanish
80-90 hours lecture; 5 units

Grading: Letter Grade or Pass/No Pass

Prerequisite: SPAN 102 with a Grade of "C" or better, or equivalent or three years of high school Spanish
This interactive course is the third in the Spanish language series. Students use increasingly complex language structures and vocabulary to develop the functional competence required to communicate beyond survival needs and to discuss and express opinions on abstract topics related to the arts, lifestyle, linguistics, and literature at the intermediate level. This course is intended for students majoring in Spanish and anyone interested in gaining proficiency in the Spanish language for academic purposes and/or personal enrichment.

FT; AA/as; CSU; UC; C-ID: SPAN 200.

SPAN 202 Fourth Course in Spanish
80-90 hours lecture; 5 units

Grading: Letter Grade or Pass/No Pass

Prerequisite: SPAN 201 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for SPAN 200
This interactive course is the fourth in the Spanish language series. Emphasis is placed on the use of complex language structures and vocabulary to communicate beyond casual conversation and to express opinions and offer hypothetical possibilities related to abstract issues and plans, cultural norms and values, and interpersonal relationships. Students are encouraged to think critically by analyzing linguistic structures and making cross cultural comparisons related to the Spanish speaking world. This course is intended for students majoring in Spanish and anyone interested in gaining proficiency in the Spanish language for academic purposes and/or personal enrichment.

FT; AA/as; CSU; UC; C-ID: SPAN 210.

SPAN 210 Conversation and Composition Spanish I
48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

Prerequisite: SPAN 102 with a Grade of "C" or better, or equivalent

This course further develops oral comprehension and fluency as well as written communication at a mid-intermediate level in Spanish through culturally relevant materials. Students increase vocabulary, dramatize everyday topics of conversation, interpret and describe materials, and compare and contrast Latin American and Spanish cultures with U.S. culture both orally and in writing. Writing strategies are emphasized and literature is introduced. This course is intended for students who want to enhance their skills in the Spanish language.

FT; AA/as; CSU; UC.

SPAN 211 Conversation and Composition Spanish II

48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

Prerequisite: SPAN 210 with a Grade of "C" or better, or equivalent

This course further develops oral comprehension and fluency as well as written communication at an advanced-intermediate level in Spanish through culturally relevant materials. Students further increase vocabulary; dramatize everyday topics of conversation; interpret and describe materials; and compare and contrast Latin American and Spanish cultures with U.S. culture both orally and in writing. Pre-reading strategies introduced in the prerequisite course are used as a basis upon which to build course emphasis in reading. In addition, more literature is introduced. This course is intended for students who want to further enhance their skills in Spanish.

FT; AA/as; CSU; UC.

SPAN 215 Spanish for Spanish Speakers I

80-90 hours lecture; 5 units

Grading: Letter Grade or Pass/No Pass

Limitation on Enrollment: This course is not open to students with previous credit for SPAN 201

This course is designed for students who are fluent in spoken, informal Spanish and who need to improve their writing, reading, and grammar skills. Emphasis is placed on formal, written communication skills in Spanish at the intermediate level, and the study of Hispanic and Chicano culture through contemporary reading materials. The course focuses on language challenges particular to Spanish speakers such as orthography, the inappropriate mix of English and Spanish, and contrasts between standard Spanish and regional variations. This course is conducted entirely in Spanish.

FT; AA/as; CSU; UC; C-ID: SPAN 220.

SPAN 216 Spanish for Spanish Speakers II

80-90 hours lecture; 5 units

Grading: Letter Grade or Pass/No Pass

Prerequisite: SPAN 215 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for SPAN 202, nor to Spanish speakers who have received the equivalent of a high school degree in a Spanish speaking country.

This course is the second of a two-course sequence in Spanish for Spanish Speakers. It is designed for students who are fluent in spoken, informal Spanish and who need to improve their writing, reading, and grammar skills. It furthers the mastery of formal, written communication in Spanish at the intermediate-advanced level, while integrating instruction in Hispanic and Chicano culture through increased practice in intermediate-advanced level readings, relevant, and authentic materials. The course focuses on language challenges that Spanish speakers still encounter at intermediate-advanced level, such as orthography, the inappropriate mix of English and Spanish in specific contexts, and standard Spanish as contrasted with regional variations. This course is conducted entirely in Spanish.

FT; AA/as; CSU; UC; C-ID: SPAN 230.

SPAN 221 Hispanic Literature for Spanish Speakers

80-90 hours lecture; 5 units

Grading: Letter Grade or Pass/No Pass

Prerequisite: SPAN 215 with a Grade of "C" or better, or equivalent

This course provides second year of study for Spanish speakers. It introduces Latin American and Peninsular literature. Students analyze literature and recognize the relationship of featured texts to cultural manifestations and the relevance to their own lives. They hone their written, oral, and aural skills learned in first year of Spanish for Spanish Speaker courses. The course emphasizes reading, writing, and analysis of fiction, drama, and poetry, and the use of current technologies to research class topics. Spanish 221 is conducted entirely in Spanish.

FT; AA/as; CSU; UC.

SPAN 222 Hispanic Culture and Civilization for Spanish Speakers**80-90 hours lecture; 5 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** SPAN 215 with a Grade of "C" or better, or equivalent

This course provides a second year of study for Spanish Speakers. It introduces Latin American and Spanish culture and civilization building on skills acquired in first-year Spanish-speaker language courses. Students analyze and find relevance in historical and cultural phenomena from the perspective of Spanish speakers and draw comparisons between the featured texts and media to their own lives. They hone previously-learned critical thinking, written, oral, and aural skills such as orthography, accentuation, and proper grammatical and sentence structures. Students also read, write, and analyze issues related to demography, sociology, and popular culture using technology and various media to research class topics. This course is taught entirely in Spanish.

FT; AA/as; CSU; UC.

SPAN 290 Independent Study in Spanish**48 - 162 hours other; 1-3 units****Grading:** Letter Grade or Pass/No Pass**Limitation on Enrollment:** Obtain Permission Number from Instructor

This course is designed for intermediate students who wish to work on special projects and to further develop their communication skills in Spanish. It is not intended to replace an existing course in the discipline. In this course students have a written contract with their instructor for activities such as: preparing problem analyses, engaging in primary research, preparing reports, and meeting with the instructor at specific intervals.

STAT-Statistics

For additional Mathematics classes see MATH

STAT C1000 Introduction to Statistics

48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

Prerequisite: Placement as determined by the college's multiple measures assessment process or completion of a course taught at or above the level of intermediate algebra. Students with a Milestone M30 must enroll in STAT C1000 and Mathematics 15A.

Limitation on Enrollment: This course is not open to students with previous credit for MATH 119

Part 1: This course is an introduction to statistical thinking and processes, including methods and concepts for discovery and decision-making using data. Topics include descriptive statistics; probability and sampling distributions; statistical inference; correlation and linear regression; analysis of variance, chi-squared, and t-tests; and application of technology for statistical analysis including the interpretation of the relevance of the statistical findings. Students apply methods and processes to applications using data from a broad range of disciplines. Part 2 (Local): This is a clarification of information listed in Part 1. This course covers descriptive and inferential statistics. The descriptive portion analyzes data through graphs, measures of central tendency and dispersion. The inferential statistics portion covers statistical rules to compute basic probability, including binomial, normal, Chi-squares, and t-distributions. This course also covers estimation of population parameters, hypothesis testing, linear regression, correlation, and ANOVA. Emphasis is placed on applications of technology, using software packages, for statistical analysis and interpretation of statistical values based on data from disciplines including business, social sciences, psychology, life science, health science, and education. This course is intended for transfer students interested in statistical analysis. (Formerly MATH 119).

FT; AA/as; CSU; UC; C-ID: MATH 110.

SUST-Sustainability

SUST 101 Introduction to Sustainability**48-54 hours lecture; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** ENGL C1000 with a Grade of "C" or better, or equivalent or ENGL 105 with a Grade of "C" or better, or equivalent

This course introduces students to an interdisciplinary examination of the theory and practices of sustainability. Sustainability can be defined as meeting the needs of the present generation without compromising the ability of future generations to meet their own needs. Topics include restoring ecological and environmental health, creating just economic systems, and ensuring social justice. This course is intended for students interested in sustainability, environmental ethics, and peace studies.

FT; AA/as; CSU; UC.**SUST 270 Sustainability Work Experience****54 - 216 hours other; 1-4 units****Grading:** Letter Grade Only**Corequisite:** Completion of or concurrent enrollment in: SUST 101 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** Obtain Permission Number from Instructor

This course provides on-the-job learning experiences for students employed in a job or internship. Students develop workplace competencies, critical thinking skills, and problem solving abilities through the creation and achievement of workplace sustainability learning objectives. One unit of credit may be earned for each 54 hours of work experience. The combined maximum credit for all Work Experience courses from all subject areas may not exceed 16 units. This course is intended for students majoring in Sustainability or those interested in the sustainability field. Students majoring in Sustainability or those interested in the sustainability field.

FT; AA/as; CSU.

VIET-Vietnamese**VIET 101 First Course in Vietnamese****80-90 hours lecture; 5 units****Grading:** Letter Grade or Pass/No Pass

This is the first course in Vietnamese with emphasis on understanding, speaking and reading the language of everyday life. In this interactive course, the elements of grammar are examined with practice in writing Vietnamese, using the subject matter relating to the culture and traditions. Basic language structures and vocabulary for communication are examined and explored in Vietnamese. This course may especially be of interest to students preparing for a career in education.

FT; AA/as; CSU; UC.**VIET 102 Second Course in Vietnamese****80-90 hours lecture; 5 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** VIET 101 with a Grade of "C" or better, or equivalent

This is the second course in the Vietnamese language sequence. In this interactive course, students use listening, reading, speaking and writing at more complex levels. The students further develop their receptive and productive competencies to the intermediate low or mid level. The elements of grammar are examined with practice in writing Vietnamese, using the subject matter relating to the culture and traditions. This course is intended for students interested in languages and for those interested in further academic study of Vietnamese.

FT; AA/as; CSU; UC.**VIET 201 Third Course in Vietnamese****80-90 hours lecture; 5 units****Grading:** Letter Grade or Pass/No Pass**Prerequisite:** VIET 102 with a Grade of "C" or better, or equivalent

This is an intermediate course and it is the third in the Vietnamese language sequence. In this interactive course, students use the language through speaking, listening, reading, and writing at the intermediate level. More complex language structures and vocabulary for communication are examined and explored as well as the literary and historical aspect of Vietnamese culture.

FT; AA/as; CSU; UC.**VIET 290 Independent Study in Vietnamese****48 - 162 hours other; 1-3 units****Grading:** Pass/No Pass Only**Limitation on Enrollment:** Obtain Permission Number from Instructor

This course is for students who wish to conduct additional research, a special project, or learning activities in Vietnamese. It is not intended to replace an existing course in the discipline. In this course students will have a written contract with their instructor for activities such as: preparing problem analysis, engaging in primary research, preparing reports, and meeting with the instructor at specific intervals.

VTAH-Veterinary Technology

VTAH 100A Animal Care and Management

72-81 hours lab; 1.5 units

Grading: Letter Grade Only

Limitation on Enrollment: Special Admission - must be admitted to program.

This course is not open to students with previous credit for ANHL 100A.

This introductory course provides students with practical experience in the basic husbandry of many animal species. Students learn methods of housing nutrition and feeding, sanitation and hygiene in an animal setting. Students are actively involved in the daily care of the program's resident animals. Applicable veterinary medical and animal husbandry terminology is included. This course is for students enrolled in the Veterinary Technology program.

FT; AA/as; CSU.

VTAH 100B Advanced Animal Care and Management

72-81 hours lab; 1.5 units

Grading: Letter Grade Only

Prerequisite: VTAH 100A with a Grade of "C" or better, or equivalent

Limitation on Enrollment: Special Admission - must be admitted to program.

This course is not open to students with previous credit for ANHL 100B.

This course provides students with significant responsibility in the resident animal care and advanced techniques in the general husbandry of many animal species. These techniques include advanced methods of housing or caging, nutrition and feeding, sanitation and hygiene in an animal setting. Students are actively involved in the daily care of the program's resident animals. Applicable veterinary medical and animal husbandry terminology is included. This course is for students enrolled in the Veterinary Technology program.

FT; AA/as; CSU.

VTAH 115 Veterinary Office Procedures

32-36 hours lecture; 2 units

Grading: Letter Grade Only

Limitation on Enrollment: Special Admission - must be admitted to program.

This course is not open to students with previous credit for ANHL 115.

This veterinary office procedures course is designed to introduce Veterinary Technology students to the development and facilitation of client care, staff management, financial guidelines, patient management and record keeping in a veterinary setting. Topics include: client and staff communication, veterinary medical ethics, veterinary logs and legalities, computer usage, medical math and financial management, and purchasing and inventory management in relationship to a veterinary establishment. Resume writing and job interviewing skills are also covered. Appropriate veterinary terminology is included. This course is for students enrolled in the Veterinary Technology Program.

FT; AA/as; CSU.

VTAH 125 Veterinary Clinical Pathology

48-54 hours lecture; 3 units

Grading: Letter Grade Only

Prerequisite: VTAH 140 with a Grade of "C" or better, or equivalent

Corequisite: VTAH 125L

Limitation on Enrollment: Special Admission - must be admitted to program.

This course is not open to students with previous credit for ANHL 125.

This course provides Veterinary Technology students with an introduction to the clinical examination of blood, urine, feces, dermal, and other commonly analyzed samples found in the veterinary field. Topics include: the safe and proper collection of diverse samples, the safe and proper handling of samples, the various methods of sample analysis, and the significance of normal and abnormal results. The identification, life cycle, and clinical importance of ectoparasites, endoparasites, and fungal parasites are discussed. Appropriate stains, reagents, and terminology are included. This course is for students enrolled in the Veterinary Technology Program.

FT; AA/as; CSU.

VTAH 125L Veterinary Clinical Pathology Laboratory**96-108 hours lab; 2 units****Grading:** Letter Grade Only**Prerequisite:** VTAH 140 with a Grade of "C" or better, or equivalent**Corequisite:** VTAH 125**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course is not open to students with previous credit for ANHL 125L.

This clinical pathology laboratory course provides students with the opportunity to practice the principles and procedures of clinical pathology. Techniques for the safe and proper collection, handling, and storage of blood, urine, fecal, ear, vaginal, milk, and skin samples in various species are introduced and practiced by the student. Students perform analytical tests appropriate for each sample type and evaluate the results. Safe operation and proper maintenance of laboratory equipment commonly used in the veterinary field is stressed. Appropriate veterinary medical terminology is presented. This course is for students enrolled in the Veterinary Technology Program.

FT; AA/as; CSU.**VTAH 135 Veterinary Pharmacology****32-36 hours lecture; 2 units****Grading:** Letter Grade Only**Prerequisite:** VTAH 145 with a Grade of "C" or better, or equivalent and VTAH 205 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course is not open to students with previous credit for ANHL 135

This course provides Veterinary Technology students with an introduction to the actions and uses of pharmacological agents: drug classifications, modes of action, indications and contradictions, routes of administration, and mechanisms of elimination. Dispensing and pharmacy management, as well as, the laws regulating controlled substances are covered. Students are expected to correctly solve medical math problems and calculate drug doses. Appropriate medical terminology is included. This course is for students enrolled in the Veterinary Technology Program.

FT; AA/as; CSU.**VTAH 140 Veterinary Microbiology and Immunology****32-36 hours lecture; 2 units****Grading:** Letter Grade Only**Advisory:** BIOL 107 with a Grade of "C" or better, or equivalent and CHEM 100 with a Grade of "C" or better, or equivalent and CHEM 100L with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for ANHL 140.

This course covers the fundamentals of veterinary microbiology and immunology. This includes the taxonomy, structure, physiology, reproduction, growth, and diversity of micro-organisms of importance in the veterinary field. Also covered are the basic techniques for culturing, staining, identifying, and controlling the various micro-organisms found in this field. Appropriate veterinary terminology is included. This course is for students enrolled in the Veterinary Technology Program.

FT; AA/as; CSU.**VTAH 145 Veterinary Anatomy and Physiology****48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Prerequisite:** VTAH 140 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course is not open to students with previous credit for ANHL 120 or ANHL 145.

This lecture course introduces the Veterinary Technology student to the comparative normal anatomy and physiology of selected domestic animal species. The eleven anatomical systems are covered and material presented ranges from the microscopic cellular level to the level of the full organism. Relevant application of structure and function to the clinical medical situations is addressed. Appropriate veterinary medical terminology is included with each system. This course is for students enrolled in the Veterinary Technology Program.

FT; AA/as; CSU.

VTAH 145L Veterinary Anatomy and Physiology Lab**48-54 hours lab; 1 unit****Grading:** Letter Grade Only**Corequisite:** VTAH 145**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course is not open to students with previous credit for ANHL 120 or ANHL 145L.

This veterinary anatomy and physiology laboratory course provides the Veterinary Technology student with the opportunity to investigate and study the principles of normal anatomy and physiology presented in the corresponding lecture course. Techniques for the safe and proper dissection are introduced and practiced by the student during the extensive animal dissection. All eleven anatomical systems are studied through actual dissection or models. Relevant application of structure and function to the clinical medical situations is addressed. Appropriate medical terminology is included with each system. Animal dissection is carried out by each student. This course is for students enrolled in the Veterinary Technology Program.

FT; AA/as; CSU.**VTAH 155 Fundamentals of Veterinary Technology****56-63 hours lecture; 3.5 units****Grading:** Letter Grade Only**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course is not open to students with previous credit for ANHL 105 or ANHL 155.

This introductory lecture course defines the role of the Veterinary Technician in private veterinary practice, research institutions, regulatory agencies and zoos. Topics covered include basic animal care and management, identification of species and breeds, animal restraint and handling techniques, physical examination techniques, sanitation and personal hygiene, medicating, zoonotic disease risk factors, basic animal nursing skills, instruments and equipment, and identification of domestic animal breeds. Appropriate veterinary terminology is included. This course is designed for students enrolled in the Veterinary Technology Program.

FT; AA/as; CSU.**VTAH 155L Fundamentals of Veterinary Technology Laboratory****96-108 hours lab; 2 units****Grading:** Letter Grade Only**Corequisite:** VTAH 155**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course is not open to students with previous credit for ANHL 105L or ANHL 155L.

This introductory course utilizes demonstrations, laboratory exercises, group activities, and lectures to illustrate the fundamentals of veterinary technology. Course work fulfills the student's need to learn and practice "essential" and "recommended" tasks from the American Veterinary Medical Association's Knowledge, Skills, and Abilities Task List. These tasks include animal restraint and handling skills, physical exam basics, medicating techniques, breed and species identification, basic animal nursing skills, surgical equipment and veterinary medical equipment identification, basic nutrition, sanitation/sterilization, and personal hygiene. Appropriate veterinary medical terminology is also included. This course is for students enrolled in the Veterinary Technology program.

FT; AA/as; CSU.**VTAH 205 Diseases of Domestic Animals****48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Prerequisite:** VTAH 145 with a Grade of "C" or better, or equivalent**Corequisite:** VTAH 125**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course is not open to students with previous credit for ANHL 205.

This course provides Veterinary Technology students with an introduction to infectious, non-infectious, and zoonotic diseases and conditions of domestic animals. Material covered includes the etiology, pathogenesis, pathophysiology, and clinical signs of each disease. This course also details any disease/condition-specific nursing care, treatments or diagnostic test methods. Appropriate veterinary medical terminology is included. This course is for students enrolled in the Veterinary Technology Program.

FT; AA/as; CSU.

VTAH 215 Veterinary Radiography**48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Prerequisite:** VTAH 135 with a Grade of "C" or better, or equivalent and VTAH 145 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course is not open to students with previous credit for ANHL 215.

This course introduces Veterinary Technology students to the use of radiography and role of radiography and other imaging modalities in the veterinary medical fields. Topics include radiation, x-ray beam production, intensifying screens, cassettes, grid usage, latent and visible image formation, film processing, alternative imaging methods, and legal requirements. Protocols for commonly used radiographic studies and introductory radiographic film interpretation are included. Special emphasis is placed on radiation safety for the patient and all personnel. Also included is the proper use and maintenance of all veterinary radiographic and processing equipment. Appropriate imaging terminology is included. This course is for students enrolled in the Veterinary Technology Program.

FT; AA/as; CSU.**VTAH 215L Veterinary Radiography Laboratory****48-54 hours lab; 1 unit****Grading:** Letter Grade Only**Prerequisite:** VTAH 145 with a Grade of "C" or better, or equivalent**Corequisite:** VTAH 215**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course is not open to students with previous credit for ANHL 215L.

This course is designed to provide Veterinary Technology students with the opportunity to practice the concepts of radiology. The students utilize established veterinary positioning and technical protocols. They expose and process radiographs to develop a technique chart for commonly used veterinary radiographic studies, including contrast studies. The students also practice radiographic film evaluation techniques, radiation log production, and radiographic equipment maintenance. Darkroom procedures and practices that prevent artifacts are employed including equipment maintenance. An introduction to performing an ultrasound abdominal exam is provided including handling and maintenance of the equipment. Also included is an introduction to digital dental exam, including handling and maintenance of the equipment. Procedures and protocols for radiation safety of patient, handler, and equipment are stressed. Appropriate veterinary imaging terminology is included. This course is for students enrolled in the Veterinary Technology Program.

FT; AA/as; CSU.

VTAH 225 Animal Nursing Techniques and Anesthesiology**48-54 hours lecture; 3 units****Grading:** Letter Grade Only**Prerequisite:** VTAH 145 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course is not open to students with previous credit for ANHL 225.

This lecture course is designed to introduce the Veterinary Technology student to veterinary anesthesia, surgical and medical nursing techniques, dental hygiene, emergency first aid, and correct legal documentation. Emphasis is placed on the appropriate use of veterinary medical terminology to explain techniques of intravenous and inhalation anesthesia, surgical asepsis, instrument sterilization, patient monitoring, and pre operative, operative, post operative and after care nursing. Additional topics include fluid therapy, bandaging/splints/casts, and commonly performed medical procedures. Appropriate pharmacological agents are discussed throughout the course with emphasis on classification, dosage, method of action, method of administration, dispensing procedures and pharmacy management. This course is for students enrolled in the Veterinary Technology Program.

FT; AA/as; CSU.**VTAH 227 Veterinary Surgical and Nursing Procedures Lab****48-54 hours lab; 1 unit****Grading:** Letter Grade Only**Prerequisite:** VTAH 145 with a Grade of "C" or better, or equivalent and VTAH 155 with a Grade of "C" or better, or equivalent and VTAH 155L with a Grade of "C" or better, or equivalent**Corequisite: Completion of or concurrent enrollment in:** VTAH 225 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** Special Admission - must be admitted to program.

This course is not open to students with previous credit for ANHL 226A or ANHL 227.

This surgical nursing and anesthesia laboratory course provides students with the opportunity to practice the principles and procedures of surgical nursing and anesthesia. Topics include surgical asepsis, instrument sterilization, patient monitoring, surgical and medical nursing, dental prophylaxis, emergency first aid, bandages, splints, casts, catheters, suturing patterns, collection and analysis of clinical pathology samples, blood transfusion therapy and cardio-pulmonary resuscitation. Students calculate anesthetic doses, fluid drip rates, and post-operative medication doses and practice safe operation and proper maintenance of anesthetic machines, anesthetic-surgical monitoring equipment, crash carts, and laboratory equipment commonly used in the veterinary field. This course is for students enrolled in the Veterinary Technology Program.

FT; AA/as; CSU.

VTAH 229 Advanced Surgical Nursing Procedures Lab

48-54 hours lab; 1 unit

Grading: Letter Grade Only

Prerequisite: VTAH 135 with a Grade of "C" or better, or equivalent and VTAH 225 with a Grade of "C" or better, or equivalent and VTAH 227 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: Special Admission - must be admitted to program.

This course is not open to students with previous credit for ANHL 226B or ANHL 229.

This lab course is designed to introduce students to the practical application of veterinary anesthesia, surgical and medical nursing techniques, dental hygiene, emergency first aid, and correct legal documentation. Techniques of intravenous and inhalation anesthesia, surgical asepsis, pre-operative, operative, post-operative, after care nursing and patient monitoring are performed by assisting the veterinarian. Instrument sterilization, fluid therapy, bandaging/splints/casts, and commonly performed medical treatments and procedures are practiced by each student. Appropriate pharmacological agents are discussed, and utilized including classification, dosage, method of action, method of administration, calculation, dispensing procedures and pharmacy management. Appropriate veterinary medical terminology is applied. This course is for students enrolled in the Veterinary Technology Program.

FT; AA/as; CSU.

VTAH 260 Laboratory Animal Medicine

32-36 hours lecture; 2 units

Grading: Letter Grade Only

Prerequisite: VTAH 225 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: Special Admission - must be admitted to program.

This course is not open to students with previous credit for ANHL 250, ANHL 255 or ANHL 260.

The course covers the use of animals in biomedical research with an emphasis on common laboratory species, animal welfare legislation and the philosophy of laboratory animal management. The course includes handling, restraint, husbandry, care and observation of laboratory species. Methods and procedures involved in laboratory animal breeding, injections, anesthesia, sample collection, medicating, nutrition, euthanasia and necropsy are also covered. Appropriate terminology is included. This course is for students enrolled in the Veterinary Technology Program.

FT; AA/as; CSU.

WEBD-Web Development

VTAH 260L Laboratory Animals Medicine Laboratory

24-27 hours lab; 0.5 units

Grading: Letter Grade Only

Prerequisite: VTAH 125L with a Grade of "C" or better, or equivalent or VTAH 225 with a Grade of "C" or better, or equivalent

Corequisite: VTAH 260

Limitation on Enrollment: Special Admission - must be admitted to program.

This course is not open to students with previous credit for ANHL 250, ANHL 255L or ANHL 260L.

This course provides the Veterinary Technology student with the opportunity to practice the procedures and techniques of safe and proper animal restraint, anesthesia, injection techniques, and sample collection. Students also perform tattooing, ear notching and other procedures commonly utilized in the research setting. Students are required to perform a necropsy following established guidelines. Appropriate veterinary and research terminology is included. This course is for students enrolled in the Veterinary Technology Program.

FT; AA/as; CSU.

VTAH 270 Veterinary Work Experience

54 - 216 hours other; 1-4 units

Grading: Letter Grade Only

Prerequisite: VTAH 115 with a Grade of "C" or better, or equivalent and VTAH 125 with a Grade of "C" or better, or equivalent and VTAH 125L with a Grade of "C" or better, or equivalent

Corequisite: Completion of or concurrent enrollment in: VTAH 135 with a Grade of "C" or better, or equivalent and VTAH 225 with a Grade of "C" or better, or equivalent and VTAH 227 with a Grade of "C" or better, or equivalent
Limitation on Enrollment: Special Admission - must be admitted to program.

This course is not open to students with previous credit for ANHL 270.

This course is for Veterinary Technology students to acquire on-the-job training in an approved veterinary facility. Students must complete a minimum of 240 hours (4 units) to graduate. This work experience course of supervised internship work or employment is designed to assist students to acquire career awareness, work habits, attitudes and skills related to the field of veterinary medicine. One unit of credit may be earned for every 54 hours of work experience. A maximum of fourteen credit hours for all work experience subject areas may be earned during one enrollment period. This course is for students enrolled in the Veterinary Technology Program.

WEBD 152 Beginning Web Development: HyperText Markup Language (HTML) and Cascading Style Sheets (CSS)

40-45 hours lecture/24-27 hours lab; 3 units

Grading: Letter Grade or Pass/No Pass

Limitation on Enrollment: This course is not open to students with previous credit for WEBD 162.

This course introduces students to sound practices in creating a Website using HyperText Markup Language (HTML) and Cascading Style Sheets (CSS). Students create, validate and publish Websites to the Internet following Web standards. This course is intended for beginning Web design students and anyone interested in a career that requires skills and knowledge in Website construction.

FT; AA/as; CSU.

WEBD 154 Creating User-Centered Content

40-45 hours lecture/24-27 hours lab; 3 units

Grading: Letter Grade Only

Advisory: WEBD 152 with a Grade of "C" or better, or equivalent

Advisory: Completion of or concurrent enrollment in: MULT 100 with a Grade of "C" or better, or equivalent or MULT 121 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for MULT 127 or WEBD 127. This course teaches strategies and processes for developing websites and multimedia projects that are user-centered and meet industry standards of usability. User-centered content is ADA (Americans with Disabilities Act) accessible, functional, and searchable by search engines. Students learn how to design a user-centered website and multimedia projects using a succinct writing style, well-designed navigation, and effective design. Students create a user-centered project. This course is designed for students pursuing a career in multimedia, web development, business or communication.

FT; AA/as; CSU.

WEBD 164 Javascript Fundamentals for Web Development

40-45 hours lecture/24-27 hours lab; 3 units

Grading: Letter Grade or Pass/No Pass

Advisory: WEBD 152 with a Grade of "C" or better, or equivalent and WEBD 168 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for WEBD 170.

This course is a practical study of Javascript and jQuery for Web development. Students use Javascript and jQuery in the Web Page creation process to enhance the user experience. This course is designed for students and professionals who wish to develop skills in Javascript and jQuery.

FT; AA/as; CSU.

WEBD 166 PHP: an Introduction

40-45 hours lecture/24-27 hours lab; 3 units

Grading: Letter Grade or Pass/No Pass

Advisory: WEBD 152 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for CBTE 166

This course is a hands-on study of the fundamentals of PHP: Hypertext Preprocessor(PHP) coding. Students create dynamic-driven webpages in accordance with current professional standards. This course is designed for all students and professionals who wish to acquire skills in dynamic website creation and development.

FT; AA/as; CSU.

WEBD 167 Using Web Databases

40-45 hours lecture/24-27 hours lab; 3 units

Grading: Letter Grade Only

Advisory: WEBD 152 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for WEBD 153.

This course provides a hands-on introduction to relational databases in a Web environment. Emphasis is placed on hand-coding Structured Query Language (SQL), specifically MySQL. Students master an open source database editor, XAMPP, to create and work with a database. Basic PHP: Hypertext Preprocessor (PHP) is used to bind data on a Web page. This course is designed for students studying web design and professionals updating their skills.

FT; AA/as; CSU.

WEBD 168 Intermediate HTML (HyperText Markup Language) and CSS (Cascading Style Sheets) for Web Design

40-45 hours lecture/24-27 hours lab; 3 units

Grading: Letter Grade or Pass/No Pass

Advisory: WEBD 152 with a Grade of "C" or better, or equivalent

Limitation on Enrollment: This course is not open to students with previous credit for CBTE 168

This course is a hands-on study that builds on the foundational level HyperText Markup Language (HTML) and Cascading Style Sheets (CSS) skills. Students write intermediate level HTML5 and CSS2 and CSS3 techniques for creating complex and functional websites that meet accessibility requirements. Topics include coding with standards based HTML, intermediate and advanced CSS positioning, navigation, designing for mobile devices using responsive design, and integrating audio and video using HTML5 conventions. This course is intended for students majoring in web development or updating professional skills.

FT; AA/as; CSU.

WEBD 169 Website Development Using Open Source Content Management Systems**40-45 hours lecture/24-27 hours lab; 3 units****Grading:** Letter Grade or Pass/No Pass**Advisory:** MULT 100 with a Grade of "C" or better, or equivalent and WEBD 152 with a Grade of "C" or better, or equivalent and WEBD 154 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for CBTE 169

This course is a hands-on study of website development using open source Content Management Systems (CMS). Emphasis is placed on creating, customizing, securing and maintaining the content, data and design of the Website using Content Management Systems. Open source CMS tools such as WordPress, Joomla, and Drupal are used. This course is intended for students studying web design and professionals updating their skills.

FT; AA/as; CSU.**WEBD 171 Advanced JavaScript for Web Development****32-36 hours lecture/48-54 hours lab; 3 units****Grading:** Letter Grade Only**Advisory:** WEBD 164 with a Grade of "C" or better, or equivalent

This course is an advanced study of Javascript and its frameworks for Web development. Students use JavaScript frameworks and libraries to create web applications. Frameworks including React and Angular are covered. Exploration into full stack environments with front end technologies is included in the course. This course is designed for students and professionals who wish to extend and advance their front end development skills in JavaScript.

WEBD 173 E-Commerce Website Creation**40-45 hours lecture/24-27 hours lab; 3 units****Grading:** Letter Grade Only**Advisory:** WEBD 152 with a Grade of "C" or better, or equivalent and WEBD 166 with a Grade of "C" or better, or equivalent

This course provides students with the knowledge and skills required to create professional e-commerce websites. Students analyze clients' needs to develop appropriate e-commerce solutions and incorporate them into secure websites using either custom databases or content management systems (CMS). Students implement best practices as they design the visual interface, develop databases using My Structured Query Language (MySQL) and Hypertext Preprocessor (PHP), create catalogs, set up shopping carts, including order, payment, and fulfillment processes. Security implementation adheres to current industry standards. This course is designed for students studying web design and professionals updating their skills.

FT; AA/as; CSU.**WEBD 191 Professional Practices in Web Design****40-45 hours lecture/24-27 hours lab; 3 units****Grading:** Letter Grade Only**Advisory:** WEBD 166 with a Grade of "C" or better, or equivalent and WEBD 168 with a Grade of "C" or better, or equivalent and WEBD 169 with a Grade of "C" or better, or equivalent**Limitation on Enrollment:** This course is not open to students with previous credit for CBTE 191

In this capstone course, students design and develop an advanced Website. Emphasis is placed on the processes and methodologies used in industry, including working with the client, creating website content, and optimizing the site to ensure usability, findability and accessibility. This course is designed for students studying web design and professionals updating their skills.

FT; AA/as; CSU.

WMNS-Women's Studies

WMNS 101 Introduction to Gender and Women's Studies

48-54 hours lecture; 3 units

Grading: Letter Grade or Pass/No Pass

Advisory: ENGL C1000 with a Grade of "C" or better, or equivalent

This course is an interdisciplinary introduction to Gender and Women's studies. This course helps students learn the appropriate tools of analysis and scholarship, address gender issues in education and the workforce, and women's role in the formation and transformation of family structures. Students also focus on the intersections of race/ethnicity and gender in the shaping of these and other institutions over time. This course is useful for students considering careers in business, the social sciences, teaching, counseling, and nursing and for students interested in further studies in Gender and Women's Studies.

FT; AA/as; CSU; UC.

WORK-Work Experience

WORK 270 Occupational Work Experience

54 - 216 hours other; 1-4 units

Grading: Letter Grade Only

Limitation on Enrollment: Obtain Permission Number-Work Exp. Coordinator

This course provides on-the-job learning experiences for students employed in a job or internship related to an occupational major. Students develop workplace competencies, critical thinking skills, and problem solving abilities through the creation and achievement of job-related behavioral learning objectives. One unit of credit may be earned for every 54 hours of work experience. A maximum of fourteen credit hours for all work experience subject areas may be earned during one enrollment period. This course is intended for students majoring or interested in an occupational field of study.

WORK 272 General Work Experience

54 - 162 hours other; 1-3 units

Grading: Letter Grade Only

Limitation on Enrollment: Obtain Permission Number-Work Exp. Coordinator

A program of on-the-job learning experiences designed to assist the student in developing occupational effectiveness. Employment need not be related to vocational or occupational major. One unit of credit may be earned for every 54 hours of work experience. A maximum of fourteen credit hours for all work experience subject areas may be earned during one enrollment period.

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B.A., Grinnel College in Iowa
M.A., University of San Diego
- POMATTO, Shawn**
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A.A., Southwestern College
B.A., National University
M.Ed., National University
M.S., Azusa Pacific University
- PRIMOZA, Alison**
Spanish
B.A., M.A., Ph.D., University of California, Berkeley
- RAY, Waverly**
Geography
B.A., Virginia Tech
M.A., Texas State
Ph.D., Texas State
- REDA, Connie**
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B.S., Santa Clara University
M.A., College of St. Scholastica Duluth, Minnesota
M.A., San Diego State University
- RESCH, Nathan P.**
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A.A., Foothill College
B.A., University of California, Santa Barbara
M.A., Ball State University
- REUSS, Anthony**
Counselor
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M.A., National University
- RICO, Cynthia**
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B.A., San Diego State University
M.A., San Diego State University
Ed.D., San Diego State University
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M.A., Ph.D., Kent State University
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B.A., University of California, Davis
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B.A., CSU San Bernardino
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- ROGERS, Denise**
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- RUBINSTEIN, David**
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B.S., M.S., Ph.D., University of Tunis, Tunisia
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American Sign Language
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B.A., San Diego State University
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Chemistry
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M.S., University of Copenhagen
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Web Development
B.S., Syracuse University
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A.S., Respiratory Therapy
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M.F.A., Florida Atlantic University

San Diego Mesa College Faculty/Administrators Emeriti

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 Rascon, Francisca, Faculty
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 Reeves, William C., Faculty
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 Richards, Eadie, Faculty
 Richardson, Ramona J., Faculty
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 Risty, Irma F., Faculty
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 Roberts, Carol H., Faculty
 Robinson, Arnie, Faculty
 Rogert, Sybil, Faculty
 Romeo, James, Faculty
 Rooney, Phillip J., Faculty
 Rosecliffe, Bonnie
 Ross, Judith, Faculty
 Rosenstand, Nina, Faculty
 Roth, Julia C., Faculty
 Rouelle, Andre E., Faculty

Rowe, Lyle, Faculty
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 Russell, Robert E., Faculty
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 Sanchez, Rita B., Faculty
 Sanchez-Bernardy, Virginia, Faculty
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 Sapsis, William H., Faculty
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 Schanberger, Joseph, Faculty
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 Scheufler, John H., Faculty
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 Silver, Patricia, Faculty
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 Smith, Diane, Faculty
 Smith, Hal M., Faculty
 Smith, Harold E., Faculty
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 Smith, Wanda W., Faculty
 Snyder, John E., Dean
 Stamm, Judy, Faculty
 Steiger, John W., Faculty
 Stevenson, Donald H., Faculty
 Stout, Robert C., Faculty
 Stockwell, Ross, Faculty
 Strona, Carl L., Faculty
 Sulzbach, William B., Faculty
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 Sullivan, Chris, Faculty
 Swegles, William, Faculty
 Sykes, Paul, Faculty
 Sykes, Shirley D., Faculty
 Szyndlar, Jerzy, Faculty
 Tappen, William A., Faculty
 Teegarden, Mary T., Faculty
 Teegarden, Tom P., Faculty
 Tews, Paul, Faculty

Thelig, Kenneth, Faculty
Tifft, Paul W., Faculty
Thompson, Jesse, Faculty
Throckmorton, Harold, Faculty
Trembley, Mark, Faculty
Tripathi, Ishwari Dutta, Faculty
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Tsang, Allan W., Faculty
Tucker, Betty Jo, Dean
Turner, Glenyth A., Faculty
Underwood, Beulah Grant, Faculty
Underwood, Thomas Lon, Faculty
Van Benthuyssen, Jane, Faculty
Van De Ven, John D., Faculty
Volpe, Carolyn C., Faculty

Wales, James, Counselor
Walker, Alfred S., Faculty
Waymon, Carrol, Faculty
Webster, Robert W., Dean
Weiss, Larry, Dean
Welch, Lionel C., Faculty
Wesley, Walter Duane, Faculty
Wilke, Irving J., Faculty
Williams, Christopher Starr, Faculty
Williams, Karen, Faculty
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Wong, Seung-Kai, Faculty
Woodruff, Milton D., Faculty
Wray, John Henry, Faculty
Wyborne, Ruth, Faculty
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Young, Dolores M., Faculty
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Zabinsky, Edward J., Faculty
Zappia, Charles, Dean
ZoBell, Bonnie, Faculty

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