



## 2019-2020 Catalog Addenda/Errata

The following is **added to/replacing information** listed on page 18:

### Admission Application

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

1. Persons who possess a high school diploma or California high school proficiency exam certification or a high school equivalency certificate.
2. 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.
3. High school students requesting concurrent enrollment may be admitted as “special part-time” students subject to the following criteria:
  - a. ~~Students must have completed the 10th grade.~~
  1. ~~Enrollment may be limited due to budget reductions and extraordinary demand.~~
  2. ~~High school students must satisfy course prerequisites and eligibility requirements.~~
  3. ~~Enrollment in Exercise Science (formerly Physical Education) classes will not be permitted.~~
  4. ~~The course is advanced scholastic or technical (college degree applicable).~~
  5. ~~The course is not available at the school of attendance.~~
  6. ~~Students will be given college credit for all courses. Grades will be part of the student’s permanent college record.~~
  7. ~~Students must maintain a 2.0 grade point average (GPA) each semester in all college work.~~
  8. ~~If the number of units of W, I, and NP exceed 40%, in any semester or session, the student will be academically disqualified. Students whose grade point average falls below a 2.0, or who do not complete 60% of all units attempted, will not be permitted to re-enroll without approval from a college counselor.~~
  9. ~~High school students taking college classes on campus are required to pay both the enrollment and health fees.~~
    - a. **Students must have completed the 10th grade.**
    - b. **Students may enroll in fewer than 12 units and have their enrollment fees waived.**
    - c. **Students will be assessed ALL enrollment fees if enrolled in more than 12 or more units for classes taught on college campus.**
    - d. **All holds must be cleared prior to registration.**
    - e. **High school students must satisfy course prerequisites and eligibility requirements.**
    - f. **Enrollment in Physical Education classes will not be permitted.**
    - g. **The course is advanced scholastic or technical (college degree applicable).**



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- h. The course is not available at the school of attendance.
- i. Students will be given college credit for all courses. Grades will be part of the student's permanent college record.
- j. Students must maintain a 2.0 grade point average each semester in all college work.
- k. If the number of units of W, I and NP exceed 40%, in any semester or session, the student will be academically disqualified. Students whose grade point average falls below a 2.0, or who do not complete 60% of all units attempted, will not be permitted to re-enroll without approval from a college counselor.



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The following is **replacing** information listed on pages 74-82:

### Advanced Placement Test (AP)

EXAM AND REQUIRED SCORE	UNIT REQUIREMENTS FULFILLED	GENERAL EDUCATION (GE) REQUIREMENTS FULFILLED	MAJOR REQUIREMENTS FULFILLED
Calculus AB <sup>1</sup> 3, 4 or 5	SDCCD: 3 semester units CSU: 3 semester units UC: 4 quarter/2-7 <b>2.6</b> semester units	SDCCD GE: 3 semester units towards Area A2 and Mathematics Competency CSU GE: 3 semester units towards Area B4 IGETC: 3 semester units towards Area 2A	SDCCD: N/A
Calculus BC/AB subscore <sup>1</sup> 3, 4 or 5	SDCCD: 3 semester units CSU: 3 semester units UC: 4 quarter/2-7 <b>2.6</b> units	SDCCD GE: 3 semester units towards Area A2 and Mathematics Competency CSU GE: 3 semester units towards Area B4 IGETC: 3 semester units towards Area 2A	SDCCD: N/A
Comparative Government & Politics 3, 4, or 5	SDCCD: 3 semester units CSU: 3 semester units UC: 4 quarter/2-7 <b>2.6</b> semester units	SDCCD GE: 3 semester units towards Area D CSU GE: 3 semester units towards Area D8 IGETC: 3 semester units towards Area 4H	SDCCD: POLI 103
Computer Science AB <sup>1</sup> 3, 4, or 5 <i>Exam taken prior to Fall 2009</i>	SDCCD: 6 semester units CSU: 6 semester units UC: 4 quarter/2-7 <b>2.6</b> semester units	SDCCD GE: N/A CSU GE: N/A IGETC: N/A	SDCCD: N/A
Computer Science Principles 3, 4, or 5	SDCCD: 6 semester units CSU: 6 semester units UC: <b>8 quarter/ 5.3 semester units</b>	SDCCD GE: N/A CSU GE: 3 semester units towards Area B4 IGETC: N/A	SDCCD: N/A
Environmental Science 3 <i>Exam taken prior to Fall 2009</i>	SDCCD: 4 semester units CSU: 4 semester units UC: 4 quarter/2-7 <b>2.6</b> semester units	SDCCD GE: 4 semester units towards Area B CSU GE: 4 semester units towards Area B1 & B3 or Area B2 & B3 IGETC: 3 semester units towards Area 5A & 5C	SDCCD: N/A



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### Advanced Placement Test (AP)

EXAM AND REQUIRED SCORE	UNIT REQUIREMENTS FULFILLED	GENERAL EDUCATION (GE) REQUIREMENTS FULFILLED	MAJOR REQUIREMENTS FULFILLED
Environmental Science 4 or 5 <i>Exam taken prior to Fall 2009</i>	SDCCD: 4 semester units CSU: 4 semester units UC: 4 quarter/2.7 <b>2.6</b> semester units	SDCCD GE: 4 semester units towards Area B CSU GE: 4 semester units towards Area B1 & B3 <u>or</u> Area B2 & B3 IGETC: 3 semester units towards Area 5A & 5C	SDCCD: BIOL 120
Environmental Science 3 <i>Exam taken Fall 2009 or later</i>	SDCCD: 4 semester units CSU: 4 semester units UC: 4 quarter/2.7, <b>2.6</b> semester units	SDCCD GE: 4 semester units towards Area B CSU GE: 4 semester units towards Area B1 & B3 IGETC: 3 semester units towards Area 5A & 5C	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/2.7 <b>2.6</b> semester units	SDCCD GE: 4 semester units towards Area B CSU GE: 4 semester units towards Area B1 & B3 IGETC: 3 semester units towards Area 5A & 5C	SDCCD: BIOL 120
Human Geography 3, 4, or 5	SDCCD: 3 semester units CSU: 3 semester units UC: 4 quarter/2.7 <b>2.6</b> semester units	SDCCD GE: 3 semester units towards Area D CSU GE: 3 semester units towards Area D5 IGETC: 3 semester units towards Area 4E	SDCCD: GEOG 102
Latin Literature 3, 4, or 5 <i>Exam taken prior to Fall 2009</i>	SDCCD: 6 semester units CSU: 6 semester units UC: 4 quarter/2.7 <b>2.6</b> semester units	SDCCD GE: 3 semester units towards Area C CSU GE: 3 semester units towards Area C2 IGETC: 3 semester units towards Area 3B and Area 6A Competency	SDCCD: N/A



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### Advanced Placement Test (AP)

EXAM AND REQUIRED SCORE	UNIT REQUIREMENTS FULFILLED	GENERAL EDUCATION (GE) REQUIREMENTS FULFILLED	MAJOR REQUIREMENTS FULFILLED
Latin 3, 4 or 5	SDCCD: 6 semester units CSU: 6 semester units <b>UC: 8 quarter/5.3 semester units</b>	SDCCD GE: 3 semester units towards Area C CSU GE: 3 semester units towards Area C2 IGETC: 3 semester units towards Area 3B and Area 6A Competency	SDCCD: N/A
Latin: Vergil 3, 4, or 5 <i>Exam taken prior to Fall 2012</i>	SDCCD: 3 semester units CSU: 3 semester units UC: 4 quarter/2.7 <b>2.6</b> semester units	SDCCD GE: 3 semester units towards Area C CSU GE: 3 semester units towards Area C2 IGETC: 3 semester units towards Area 3B and Area 6A Competency	SDCCD: N/A
Macroeconomics 3, 4, or 5	SDCCD: 3 semester units CSU: 3 semester units UC: 4 quarter/2.7 <b>2.6</b> semester units	SDCCD GE: 3 semester units towards Area D CSU GE: 3 semester units towards Area D2 IGETC: 3 semester units towards Area 4B	SDCCD: ECON 120
Microeconomics 3, 4, or 5	SDCCD: 3 semester units CSU: 3 semester units UC: 4 quarter/2.7 <b>2.6</b> semester units	SDCCD GE: 3 semester units towards Area D CSU GE: 3 semester units towards Area D2 IGETC: 3 semester units towards Area 4B	SDCCD: ECON 121
Physics C (electricity / magnetism) 3, 4, or 5	SDCCD: 4 semester units <sup>3</sup> CSU: 4 semester units <sup>3</sup> UC: 4 quarter/2.7 <b>2.6</b> semester units <sup>5</sup>	SDCCD GE: 4 semester units towards Area B <sup>3</sup> CSU GE: 4 semester units towards Areas B1 & B3 <sup>3</sup> IGETC: 3 semester units towards Areas 5A & 5C <sup>4</sup>	SDCCD: N/A
Physics C (mechanics) 3, 4, or 5	SDCCD: 4 semester units <sup>3</sup> CSU: 4 semester units <sup>3</sup> UC: 4 quarter/2.7 <b>2.6</b> semester units <sup>5</sup>	SDCCD GE: 4 semester units towards Area B <sup>3</sup> CSU GE: 4 semester units towards Areas B1 & B3 <sup>3</sup> IGETC: 3 semester units towards Areas 5A & 5C <sup>4</sup>	SDCCD: N/A



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EXAM AND REQUIRED SCORE	UNIT REQUIREMENTS FULFILLED	GENERAL EDUCATION (GE) REQUIREMENTS FULFILLED	MAJOR REQUIREMENTS FULFILLED
Psychology 3, 4, or 5	SDCCD: 3 semester units CSU: 3 semester units UC: 4 quarter/2.7 <u>2.6</u> semester units	SDCCD GE: 3 semester units towards Area D CSU GE: 3 semester units towards Area D9 IGETC: 3 semester units towards Area 4I	SDCCD: PSYC 101
Seminar 3, 4, 5	SDCCD: 6 semester units CSU: 3 semester units UC: 4 quarter/2.7 <u>2.6</u> semester units	SDCCD GE: N/A CSU GE: N/A IGETC: N/A	SDCCD: N/A
Statistics 3, 4, or 5	SDCCD: 3 semester units CSU: 3 semester units UC: 4 quarter/2.7 <u>2.6</u> semester units	SDCCD GE: 3 semester units towards Area A2 and Mathematics Competency CSU GE: 3 semester units towards Area B4 IGETC: 3 semester units towards Area 2A	SDCCD: MATH 119
U.S. Government & Politics 3, 4, or 5	SDCCD: 3 semester units CSU: 3 semester units UC: 4 quarter/2.7 <u>2.6</u> semester units	SDCCD GE: 3 semester units towards Area D & US-27 CSU GE: 3 semester units towards Area D8 & US-27 IGETC: 3 semester units towards Area 4H & US-27	SDCCD: POLI 101



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EXAM AND REQUIRED SCORE	UNIT REQUIREMENTS FULFILLED	GENERAL EDUCATION (GE) REQUIREMENTS FULFILLED	MAJOR REQUIREMENTS FULFILLED
<p>* Credit may not be awarded for exams which duplicate credit for the same content earned through other means.</p> <ol style="list-style-type: none"> <li>1. If a student passes more than one exam in calculus or computer science, only one exam may be applied to UC / CSU baccalaureate or SDCCD associate degree / certificate requirements.</li> <li>2. Students passing both English AP exams will receive a maximum of 8 quarter units / 5.3 semester units toward UC baccalaureate degree requirements.</li> <li>3. Students passing more than one AP exam in physics will receive a maximum of 6 units of credit toward CSU baccalaureate or SDCCD associate degree / certificate requirements and a maximum of 4 units of credit toward CSU GE certification or SDCCD associate degree GE requirements.</li> <li>4. Students passing either of the Physics C exams will be required to complete at least 4 additional semester units in IGETC Area 5 coursework to meet the IGETC Area 5 unit requirement.</li> <li>5. Students passing more than one physics AP exam will receive a maximum of 8 quarter units / 5.3 semester units toward UC baccalaureate degree requirements.</li> <li>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.</li> <li>7. Students who have completed the American Institutions requirement except for the California government portion must complete one course approved in Area US-3.</li> <li>8. Students who pass AP Environmental Science earn 4 units of credit. Tests prior to Fall 2009 may apply to either B1+B3 or B2+B3 of GE Breadth. Fall of 2009 or later, those credits may only apply to B1+B3.</li> </ol> <p>To request an official transcript, write to: PSAT/NMSQT Office, P.O. Box 6720, Princeton, NJ, 08541-6720</p>			

The following is **added to** information listed on page 96:

### **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,



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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 619-388-2440 in LRC – Room 464. 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 619-388-2440 in LRC - Room 464. 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 619-388-2440.

You may view a full copy of the policy by accessing the following website:  
<http://www.sdccd.edu/public/district/policies/> .

**The following is replacing information listed on page 107:**

### **Competence in Mathematics**

“Competency in mathematics” means the ability to analyze and reason quantitatively and solve problems using concepts at the level of intermediate algebra or higher. Courses that meet the math competency requirement have a substantial component involving mathematical reasoning. Students must complete one course with a grade of “C” or better from the following list:

- BANK 103 Introduction to Investments (MMR)
- BIOL 200 Biological Statistics (M)
- BUSE 101 ~~Practical Geometry~~ **Business Mathematics** (C,M,MMR)
- BUSE 115 Statistics for Business (C,M,MMR)





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CHEM 251 Quantitative Analytical Chemistry (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 (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)  
ENGE 250 Dynamics (C,M)  
ENGE 260 Electric Circuits (C,M)  
HEIT 256 Statistics for Healthcare (M)  
MFET 210 Statistical Process Control (C)  
MFET 220 Programmable Logic Controllers (C)  
PHIL 101 Symbolic Logic (C,M,MMR)  
PHYS 125 General Physics (C,M,MMR)  
PHYS 126 General Physics II (C,M,MMR)  
PHYS 180A General Physics I (C,MMR)  
PHYS 180B General Physics II (C,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)



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MATH 57A Beginning Algebra and Practical Descriptive Statistics (C,MMR)

MATH 59 Explorations in Foundations of Math (C)

MATH 92 Applied Beginning and Intermediate Algebra (C,M,MMR)

MATH 96 Intermediate Algebra and Geometry (C,M,MMR)

MATH 98 Technical Intermediate Algebra and Geometry (C)

MATH 104 Trigonometry (C,M,MMR)

MATH 107 Introduction to Scientific Programming (C)

MATH 109 Explorations in Mathematical Analysis (C)

MATH 115 Gateway to Experimental Statistics (C,MMR)

MATH 116 College and Matrix Algebra (C,M,MMR)

MATH 118 Math for the Liberal Arts Student (C,M)

MATH 119 Elementary Statistics (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 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)



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MATH 255 Differential Equations (C,M,MMR)

The following is **added to information** listed on pages 109-110:

### District Multicultural Studies

MUSI 217A Gospel Choir I (MMR)

MUSI 217B Gospel Choir II (MMR)

MUSI 217C Gospel Choir III (MMR)

MUSI 217D Gospel Choir IV (MMR)

POLI 121 American Political Development (C,M,MMR)

The following is **added to information** listed on pages 111-117:

### General Education Requirements (Option 4)

#### A. Language and Rationality

##### 2. Communication and Analytical Thinking

CISC 246 Discrete Mathematics for Computer Science (MMR)

MATH 109 Explorations in Mathematical Analysis (C)

#### B. Natural Sciences

##### 1. Life Sciences

AGRI 107 Introduction to Agricultural Plant Science (C)

##### 2. Physical Sciences

AGRI 125 Introduction to Soil Science (C)

ASTR 102 Exploring The Solar System and Life Beyond The Earth (C,M,MMR)

CHEM 103 General, Organic, and Biological Chemistry (M,MMR)

CHEM 160 Introductory Biochemistry (M,MMR)

GEOL 130 Field Geology of San Diego County (C,M,MMR)

PHYN 114 Weather and Climate (C,M,MMR)

#### C. Humanities

AMSL 115 American Sign Language Level I (C,M,MMR)

AMSL 116 American Sign Language Level II (C,M,MMR)



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[ARTF 106 Art of the United States: Colonial to Modern Period \(M\)](#)

[ARTF 188 Women and Gender in Photography \(M\)](#)

[MUSI 158B Music Theory II \(C,M,MMR\)](#)

[PHIL 105 Contemporary Philosophy \(C, M\)](#)

[SPAN 221 Hispanic Literature for Spanish Speakers \(M\)](#)

[SPAN 222 Hispanic Culture and Civilization for Spanish Speakers \(M\)](#)

### D. Social and Behavioral Sciences

[ANTH 110 Anthropology of Magic, Witchcraft, and Religion \(C,M\)](#)

[ANTH 117 Anthropology of Gender and Sexuality \(M\)](#)

[ANTH 140 Primatology \(C\)](#)

[ECON 220 Economics of the Environment \(C,M\)](#)

[PADM 200 Introduction to Public Administration \(C,MMR\)](#)

[POLI 121 American Political Development \(C,M,MMR\)](#)

[PSYC 283 Introduction to Cognitive Psychology \(C,M,MMR\)](#)

[WMNS 101 Introduction to Gender and Women's Studies \(M\)](#)

The following is **added to/replacing information** listed on page 119

### Gainful Employment and Licensure Eligibility Requirements

Data on Gainful Employment and Licensure Eligibility Requirements are available at <http://occinfo.sdccd.edu/>.

### 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. —~~



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The following requirements are applicable:

- ~~1. The degree to be earned must represent a change in major or concentration from the degree or degrees previously earned.~~
- ~~2. A student must earn a minimum of 18 required semester units in the new major or concentration beyond the minimum 60 units required for the Associate Degree, bringing the total units required for the second degree to a minimum of 78 units, a minimum of 96 units for the third degree, and so on. Twelve (12) semester units of the new major or concentration must be completed in residence at City, Mesa and/or Miramar.~~

**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 associate degree requirements.**
- 3. In order to receive an additional college degree, the student must file a Petition for Graduation in the Evaluations Office. Counselors will review all previous college work to determine the student's eligibility for a second degree.**

**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.**



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The following is **added to information** listed on page 108 and 124:

### CSU U.S. History, Constitution, and American Ideals Certification

POLI 121 American Political Development (C,M,MMR) Area US-1 and Area US-2

The following is **added to/removing information** listed on pages 128-134:

### The IGETC Pattern

Area 2A—Mathematical Concepts and Quantitative Reasoning

CISC 246 Discrete Mathematics for Computer Science (MMR)

POLI 201 Elementary Statistics for Political Science (C,M)

Area 3—Arts and Humanities

3A: Art Courses

ARTF 106 Art of the United States: Colonial to Modern Period (M)

ARTF 188 Women and Gender in Photography (M)

3B: Humanities Courses

AMSL 116 American Sign Language Level II (C,M,MMR)

ARTF 188 Women and Gender in Photography (M)

PHIL 105 Contemporary Philosophy (C, M)

SPAN 221 Hispanic Literature for Spanish Speakers (M)

SPAN 222 Hispanic Culture and Civilization for Spanish Speakers (M)

Area 4 –Social and Behavioral Sciences

ADJU 193 Concepts of Criminal Law (MMR)

ANTH 110 Anthropology of Magic, Witchcraft, and Religion (C,M)

ANTH 117 Anthropology of Gender and Sexuality (M)

ANTH 140 Primatology (C)

ECON 220 Economics of the Environment (C,M)

PADM 200 Introduction to Public Administration (C,MMR)

POLI 121 American Political Development (C,M,MMR)

PSYC 283 Introduction to Cognitive Psychology (C,M,MMR)

SPAN 222 Hispanic Culture and Civilization for Spanish Speakers (M)

WMNS 101 Introduction to Gender and Women's Studies (M)



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Area 5

5A: Physical Science Courses

**AGRI 125 Introduction to Soil Science (C)**

**ASTR 102 Exploring The Solar System and Life Beyond The Earth (C,M,MMR)**

**CHEM 103 General, Organic, and Biological Chemistry (M,MMR)**

**CHEM 160 Introductory Biochemistry (M,MMR)**

**GEOL 130 Field Geology of San Diego County (C,M,MMR)**

**PHYN 114 Weather and Climate (C,M,MMR)**

5C. Science Laboratory

**AGRI 125 Introduction to Soil Science (C)**

**CHEM 103 General, Organic, and Biological Chemistry (M,MMR)**

**GEOL 130 Field Geology of San Diego County (C,M,MMR)**

Area 6A: Languages Other Than English

**AMSL 115 American Sign Language Level I (C,M,MMR)**

**AMSL 116 American Sign Language Level II (C,M,MMR)**

The following is **added to information** listed on pages 136-142:

**The CSUGE-Breadth Pattern (Option 2)**

Area B. Scientific Inquiry and Quantitative Reasoning

B1. Physical Science

**AGRI 125 Introduction to Soil Science (C)**

**ASTR 102 Exploring The Solar System and Life Beyond The Earth (C,M,MMR)**

**CHEM 103 General, Organic, and Biological Chemistry (M,MMR)**

**CHEM 160 Introductory Biochemistry (M,MMR)**

**GEOL 130 Field Geology of San Diego County (C,M,MMR)**

**PHYN 114 Weather and Climate (C,M,MMR)**

B2. Life Science

**AGRI 107 Introduction to Agricultural Plant Science (C)**

B3. Laboratory Science



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**AGRI 125 Introduction to Soil Science (C)**  
**CHEM 103 General, Organic, and Biological Chemistry (M,MMR)**  
**GEOL 130 Field Geology of San Diego County (C,M,MMR)**

**B4. Mathematics/Quantitative Reasoning**

**BUSE 101 Business Mathematics (C,M,MMR)**  
**CISC 246 Discrete Mathematics for Computer Science (MMR)**  
**HEIT 256 Statistics for Healthcare (M)**  
**MATH 109 Explorations in Mathematical Analysis (C)**  
**POLI 201 Elementary Statistics for Political Science (C,M)**

**Area C. Arts and Humanities**

**C1. Arts (Art, Cinema, Dance, Music, Theatre)**

**ARTF 106 Art of the United States: Colonial to Modern Period (M)**  
**ARTF 188 Women and Gender in Photography (M)**

**C2. Humanities (Literature, Philosophy, Languages Other Than English)**

**AMSL 115 American Sign Language Level I (C,M,MMR)**  
**AMSL 116 American Sign Language Level II (C,M,MMR)**  
**ARTF 188 Women and Gender in Photography (M)**  
**PHIL 105 Contemporary Philosophy (C, M)**  
**SPAN 221 Hispanic Literature for Spanish Speakers (M)**  
**SPAN 222 Hispanic Culture and Civilization for Spanish Speakers (M)**

**Area D. Social Sciences:**

**ANTH 110 Anthropology of Magic, Witchcraft, and Religion (C,M)**  
**ANTH 117 Anthropology of Gender and Sexuality (M)**  
**ANTH 140 Primatology (C)**  
**ECON 220 Economics of the Environment (C,M)**  
**PADM 200 Introduction to Public Administration (C,MMR)**  
**POLI 121 American Political Development (C,M,MMR)**  
**PSYC 283 Introduction to Cognitive Psychology (C,M,MMR)**  
**SPAN 222 Hispanic Culture and Civilization for Spanish Speakers (M)**  
**WMNS 101 Introduction to Gender and Women's Studies (M)**





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Area E: Lifelong Learning and Self-Development:

BUSE 205 Leadership Theory and Practice (M,MMR)

EXSC 294 Health and Wellness Coaching (C)

The following is **removing** information listed on page 195:

### **Certificate of Achievement: Computer and Information Sciences**

COURSES REQUIRED FOR THE MAJOR:

	<u>UNITS</u>
ACCT 116A Financial Accounting	4
ACCT 116B Managerial Accounting	4
BUSE 119 Business Communications	3
BUSE 140 Business Law and the Legal Environment	3
CISC 181 Principles of Information Systems	4
CISC 186 Visual Basic Programming	4
ECON 120 Principles of Macroeconomics	3
MATH 119 Elementary Statistics	3

SELECT 3 - 4 UNITS FROM THE FOLLOWING:

	<u>UNITS</u>
CISC 071 Microcontroller Programming	4
CISC 150 Introduction to Computer and Information Sciences	3
CISC 179 Python Programming	4
CISC 270 Work Experience	1 - 4
CISC 290 Independent Study	1 - 3
MARK 105 Professional Selling	3

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Total Units 31 - 32

~~Note: Only one Computer and Information Sciences (CISC) course from the above list may be used to satisfy the SDCCD general education requirements.~~

The following is **added to** information listed on page 231:

### **Certificate of Achievement: Fermentation Management**

COURSES REQUIRED FOR THE MAJOR:

UNITS



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<u>FERM 101</u>	<u>Introduction to Yeast and Fermentation</u>	<u>3</u>
<u>FERM 110</u>	<u>Importing and Distribution</u>	<u>3</u>
<u>FERM 120</u>	<u>Fundamentals of Spirits</u>	<u>2</u>
<u>FERM 130</u>	<u>Flavor and Form</u>	<u>2</u>
<u>HOSP 102</u>	<u>Hospitality Financial Accounting</u>	<u>3</u>
<u>HOSP 111</u>	<u>Food and Beverage Management</u>	<u>3</u>
<u>HOSP 121</u>	<u>Event &amp; Hospitality Marketing &amp; Sales</u>	<u>3</u>
<u>HOSP 130</u>	<u>Hospitality Law</u>	<u>3</u>
<u>HOSP 270</u>	<u>Work Experience</u>	<u>3</u>
<u>ACCT 116A</u>	<u>Financial Accounting</u>	<u>4</u>

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<u>Total Units</u>	<u>29</u>
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### Associate of Science Degree: Fermentation Management

<u>COURSES REQUIRED FOR THE MAJOR:</u>		<u>UNITS</u>
<u>FERM 101</u>	<u>Introduction to Yeast and Fermentation</u>	<u>3</u>
<u>FERM 110</u>	<u>Importing and Distribution</u>	<u>3</u>
<u>FERM 120</u>	<u>Fundamentals of Spirits</u>	<u>2</u>
<u>FERM 130</u>	<u>Flavor and Form</u>	<u>2</u>
<u>FERM 140</u>	<u>Beer Production Laboratory</u>	<u>4</u>
<u>FERM 150</u>	<u>Wine Production Laboratory</u>	<u>4</u>
<u>FERM 160</u>	<u>Retail and Marketing Laboratory</u>	<u>4</u>
<u>HOSP 102</u>	<u>Hospitality Financial Accounting</u>	<u>3</u>
<u>HOSP 111</u>	<u>Food and Beverage Management</u>	<u>3</u>
<u>HOSP 130</u>	<u>Hospitality Law</u>	<u>3</u>
<u>HOSP 270</u>	<u>Work Experience</u>	<u>3</u>
<u>ACCT 116A</u>	<u>Financial Accounting</u>	<u>4</u>

<u>SELECT FOUR (4) UNITS FROM THE FOLLOWING COMBINATION OF COURSES:</u>		<u>UNITS</u>
<u>CHEM 111</u>	<u>Chemistry in Society</u>	<u>3</u>
and <u>CHEM 111L</u>	<u>Chemistry in Society Laboratory</u>	<u>1</u>
or <u>CHEM 152</u> <sup>1</sup>	<u>Introduction to General Chemistry</u>	<u>3</u>
and <u>CHEM 152L</u> <sup>1</sup>	<u>Introduction to General Chemistry Laboratory</u>	<u>1</u>

<sup>1</sup>*Recommended for students who may want to transfer to similar university program.*

<u>SELECT THREE (3) UNITS FROM ONE OF THE FOLLOWING COURSES:</u>		<u>UNITS</u>
<u>BUSE 115</u>	<u>Statistics for Business</u>	<u>3</u>



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<u>or</u>	<u>MATH 119</u>	<u>Elementary Statistics</u>	<u>3</u>
<u>or</u>	<u>MATH 121</u> <sup>1</sup>	<u>Basic Techniques of Applied Calculus I</u>	<u>3</u>

<sup>1</sup>Recommended for students who may want to transfer to similar university program.

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Total Units 45

For graduation requirements see Requirements for the Associate Degree on Page 104.  
Electives as needed to meet minimum of 60 units required for the degree.

The following is **added to/replacing** information listed on pages 234-235:

### Associate of Science Degree: Health Information Technology

<u>COURSES REQUIRED FOR THE MAJOR:</u>		<u>UNITS</u>
HEIT 110	Introduction to Health Information	4
HEIT 130	Basic Pharmacology	1
HEIT 135	Computer Basics for Health Information	1
HEIT 140	Fundamentals of Law for Health Information	3
HEIT 155	Current Procedural Terminology (CPT) Coding	3
<del>HEIT 156</del>	<del>Hospital and Health Statistics</del>	<del>3</del>
HEIT 160	Healthcare Reimbursement	2
HEIT 214	ICD Coding I	3
HEIT 215	ICD Coding II	3
HEIT 220	Principles of Leadership	2
<b><u>HEIT 256</u></b>	<b><u>Statistics for Healthcare</u></b>	<b><u>3</u></b>
HEIT 258	Healthcare Quality Management	3
HEIT 266	Directed Clinical Practice A	2.5
HEIT 267	Directed Clinical Practice B	2.5

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Total Units 33

For graduation requirements see Requirements for the Associate Degree on page 104.

Students pursuing the Bachelor of Science Degree: Health Information Management are required to complete one of the following general education options:

- The California State University General Education Breadth pattern
- The Intersegmental General Education Transfer Curriculum pattern



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Electives as needed to meet minimum of 60 units required for the degree.  
Recommended Electives: Computer Business Technology 180.

Note: Students must complete HEIT 214 (formerly HEIT 155A) and 215 (formerly ~~HEIT 215~~ **155B**) within five years in order to receive the Health Information Technology Associate of Science degree.

### Bachelor of Science Degree: Health Information Management

<u>Lower Division Courses Required for the Degree</u>		<u>UNITS</u>
HEIT 110	Introduction to Health Information	4
HEIT 130	Basic Pharmacology	1
HEIT 135	Computer Basics for Health Information	1
HEIT 140	Fundamentals of Law for Health Information	3
HEIT 155	Current Procedural Terminology (CPT) Coding	3
<del>HEIT 156</del>	<del>Hospital and Health Statistics</del>	<del>3</del>
HEIT 160	Healthcare Reimbursement	2
HEIT 214	ICD Coding I	3
HEIT 215	ICD Coding II	3
HEIT 220	Principles of Leadership	2
<b><u>HEIT 256</u></b>	<b><u>Statistics for Healthcare</u></b>	<b><u>3</u></b>
HEIT 258	Healthcare Quality Management	3
HEIT 266	Directed Clinical Practice A	2.5
HEIT 267	Directed Clinical Practice B	2.5

**Lower Division Courses Required for the Major: Students who have earned an Associate Degree in Health Information Technology from a regionally accredited institution, accredited by the Commission on Accreditation for Health Informatics and Information Management (CAHIIM) will have satisfied the lower division courses required for the Health Information Management Baccalaureate Degree.**

#### **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 or experience working in the health information field may be accepted upon approval of the program director.**

**Enrollment in the upper division courses is restricted to students admitted to the Health Information**



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### Management (HIMS) program.

The following is **removing** information listed on pages 281:

### **Associate of Science Degree: Visual Communication**

#### COURSES REQUIRED FOR THE MAJOR:

	<u>UNITS</u>
MULT 101 Introduction to Visual Communication	4
MULT 121 Digital Image Editing I: Introduction to Photoshop	3
MULT 122 Vector Image Editing I: Adobe Illustrator	3
MULT 123 Digital Video I: Introduction to Digital Video	3
MULT 124 Digital Image Editing II: Advanced Photoshop	3

#### SELECT FOURTEEN TO SIXTEEN UNITS FROM:

	<u>UNITS</u>
MULT 114 Intermediate Unity 3D and 2D Game Development	4
MULT 116 Unity 2D Game Development	4
MULT 120 Introduction to Video Game Design	3
<del>MULT 122 Vector Image Editing I: Adobe Illustrator</del>	<del>3</del>
<del>MULT 123 Digital Video I: Introduction to Digital Video</del>	<del>3</del>
<del>MULT 124 Digital Image Editing II: Advanced Photoshop</del>	<del>3</del>
MULT 131 Video Game Development II: Game Character and Level Design	4
MULT 132 Video Game Development III: Advanced Game Art and Asset Design	4
MULT 133 Video Game Development IV: Game Prototyping and Production	4
MULT 137 3D Animation I: Introduction to 3D Modeling and Animation	3
MULT 139 3D Animation II: Character Design & Development	3
MULT 141 3D Animation III: Intermediate 3D Animation	3
MULT 143 3D Animation IV: Advanced 3D Animation	3
MULT 112 Beginning Unity 3D and 2D Game Development	4
MULT 130 Video Game Development I: Introduction to 3D Modeling and Animation	4

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Total Units

30 - 32

For graduation requirements see Requirements for the Associate Degree on Page 104.  
Electives as needed to meet minimum of 60 units required for the degree.



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The following is **added to/replacing** information listed on pages 302-303:

### Radiologic Technology

#### Program Learning Outcomes

Students who complete the Radiologic Technology Program will be able to:

- ~~1. Communicate effectively with patients and other healthcare professionals.~~
  - ~~2. Demonstrate independent critical thinking and problem solving skills.~~
  - ~~3. Apply the knowledge and skills to be clinically competent.~~
  - ~~4. Exhibit or demonstrate the skills of ethical and professional radiologic technologists.~~
- 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.**

#### Program Goals

- ~~1. The program will meet the healthcare employment needs of the community.~~
  - ~~2. Graduates will communicate effectively with patients and other healthcare professionals.~~
  - ~~3. Graduates will possess independent critical thinking and problem solving skills.~~
  - ~~4. Graduates will possess the knowledge and skills to be clinically competent.~~
  - ~~5. Graduates will be ethical and professional radiologic technologists.~~
- 1. Students will be clinically competent.**
  - 2. Students will demonstrate communication skills.**
  - 3. Students will develop critical thinking skills**
  - 4. Students will model professionalism.**

The following is **added** information listed on pages 320-552:

The following courses are University of California (UC) Applicable

EXSC	141A	Total Body Conditioning I
EXSC	141B	Total Body Conditioning II
EXSC	141C	Total Body Conditioning III
EXSC	179A	Pickleball I



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EXSC	179B	Pickleball II
EXSC	179C	Pickleball III
EXSC	179D	Pickleball IV
EXSC	183A	Beach Volleyball I
EXSC	183B	Beach Volleyball II
EXSC	183C	Beach Volleyball III
EXSC	183D	Beach Volleyball IV
MATH	150L	Calculus I Laboratory
MUSI	123A	Recital Hour I
MUSI	123B	Recital Hour II
MUSI	123C	Recital Hour II
MUSI	123D	Recital Hour IV
MUSI	252B	Jazz Big Band II
MUSI	252C	Jazz Big Band III
MUSI	252D	Jazz Big Band IV

### The following is **added** information listed on page 420:

#### English

237 Women in Literature

3 hours lecture, 3 units  
Letter Grade or Pass/No Pass Option

*Advisory:* English 101 with a grade of “C” or better, or equivalent or Milestone R6 and W6 or English 105 with a grade of “C” or better, or equivalent or Milestone R6 and W6.

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.

### The following is **removing** information listed on page 479:

#### Hospitality

~~150 Hospitality Human Resources~~

~~3 hours lecture, 3 units  
Grade Only~~

~~*Prerequisite:* Hospitality 101 with a grade of “C” or better, or equivalent.~~

~~*Advisory:* English 47A or English 48 and English 49, each with a grade of “C” or better, or equivalent or Milestone R5 and W5.~~





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*Advisory:* Completion of or concurrent enrollment in Hospitality 115 with a grade of “C” or better, or equivalent.

This course presents a systematic approach to human resources management in the hospitality industry. Students develop theoretic lenses for understanding people and organizations, and practical tools for accomplishing personal and organizational goals. Topics include: individual differences, conflict management, problem solving, power and influence, motivation, leadership, coaching and counseling, and group process. Students learn through the case method, self-assessments, experiential exercises, readings, discussions, papers, and group activities. Contemporary issues and practices and employment laws that have an impact on the way people are managed are analyzed; as are collective bargaining agreements and unions. This course is designed for Hotel Management students and interested in a career in hospitality and tourism. (FT) AA/AS; CSU.

### The following is **added** information listed on page 493:

#### Mathematics

##### 119 Elementary Statistics

3 hours lecture, 3 units

Letter grade or Pass/No Pass option

*Prerequisite:* Mathematics 96 or Mathematics 92 **or Mathematics 109** each with a grade of “C” or better, or equivalent; or Milestone M50 or M40; or students with Milestone M30 must enroll in Mathematics 119X (Mathematics 119 and Mathematics 15A learning community).

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. (FT) AA/AS; CSU; UC Transfer Limitation: Mathematics (MATH) 119, **Business 115 (BUSE 115)**, Biology (BIOL) 200 or Psychology (PSYC) 258 combined: maximum credit, one course; C-ID MATH 110.

### The following is **added** to information listed on page 503:

#### Music

##### 103 History of Rock Music

3 hours lecture, 3 units Letter grade or Pass/No Pass option

This course surveys the origins and development of rock and roll music from the early 1950s to the





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present including the pre-1950s roots of rock music. The course focuses on the evolution of different styles within the genre as well as the social, political, economic and cultural contexts of rock music. Additionally, basic musical concepts such as pitch, rhythm and form are introduced and applied to the music under consideration. This course is intended for all students interested in music. (FT) AA/AS; CSU; UC.

### The following is **added** to information listed on page 510:

#### Music

##### 216A Piano Class III

1.5 hours lecture, 1.5 hours lab, 2 units  
Letter Grade or Pass/No Pass Option

*Prerequisite:* Music 116B with a grade of “C” or better, or equivalent.

*Limitation on Enrollment:* This course is not open to students with previous credit for Music 215A and Music 215B, or Music 216.

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.

### The following is **added** to information listed on page 529:

#### Physics

##### 100 Introductory Physics

3 hours lecture, 3 hours lab, 4 units  
Letter Grade or Pass/No Pass Option

**Prerequisite: Mathematics 96 with a grade of “C” or better or equivalent, or Milestone M50.**

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 Transfer Limitation: No credit for Physics (PHYS) 100 if taken after a college level course in Physics.