



2019-2020 Catalog Addenda/Errata

The following is **added to/replacing information** listed on pages 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.**



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- 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).
- 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 65-75:

Advanced Placement Test (AP)

EXAM AND REQUIRED SCORE	UNIT REQUIREMENTS FULFILLED	GENERAL EDUCATION (GE) REQUIREMENTS FULFILLED	MAJOR REQUIREMENTS FULFILLED
Calculus AB ¹ 3, 4 or 5	SDCCD: 3 semester units CSU: 3 semester units UC: 4 quarter/ 2.7 2.6 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 ¹ 3, 4 or 5	SDCCD: 3 semester units CSU: 3 semester units UC: 4 quarter/ 2.7 2.6 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
Comparative Government & Politics 3, 4, or 5	SDCCD: 3 semester units CSU: 3 semester units UC: 4 quarter/ 2.7 2.6 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 ¹ 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 2.6 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: 8 quarter/ 5.3 semester units	SDCCD GE: N/A CSU GE: 3 semester units towards Area B4 IGETC: N/A	SDCCD: N/A



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EXAM AND REQUIRED SCORE	UNIT REQUIREMENTS FULFILLED	GENERAL EDUCATION (GE) REQUIREMENTS FULFILLED	MAJOR REQUIREMENTS FULFILLED
Environmental Science 3 <i>Exam taken prior to Fall 2009</i>	SDCCD: 4 semester units CSU: 4 semester units UC: 4 quarter/2-7 <u>2.6</u> 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
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 <u>2.6</u> 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: 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, <u>2.6</u> 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 <u>2.6</u> 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 <u>2.6</u> 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



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EXAM AND REQUIRED SCORE	UNIT REQUIREMENTS FULFILLED	GENERAL EDUCATION (GE) REQUIREMENTS FULFILLED	MAJOR REQUIREMENTS FULFILLED
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 2.6 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
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 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 2.6 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 2.6 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 2.6 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



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EXAM AND REQUIRED SCORE	UNIT REQUIREMENTS FULFILLED	GENERAL EDUCATION (GE) REQUIREMENTS FULFILLED	MAJOR REQUIREMENTS FULFILLED
Physics C (electricity / magnetism) 3, 4, or 5	SDCCD: 4 semester units ³ CSU: 4 semester units ³ UC: 4 quarter/2.7 <u>2.6</u> semester units ⁵	SDCCD GE: 4 semester units towards Area B ³ CSU GE: 4 semester units towards Areas B1 & B3 ³ IGETC: 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/2.7 <u>2.6</u> semester units ⁵	SDCCD GE: 4 semester units towards Area B ³ CSU GE: 4 semester units towards Areas B1 & B3 ³ IGETC: 3 semester units towards Areas 5A & 5C ⁴	SDCCD: N/A
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 4I	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"> 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. 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 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. 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. 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. 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 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. <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 pages 86–87:

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,



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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 Site Compliance Officer (SCO), Edwin Heil at 619-388-3036. Appeals may be made to the District EEO Compliance Manager 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, Randy Barnes at 619-388-3923 in room P-201 or Disability Support Programs and Services in room A-122 or call 619-388-3513. Students who want to file a disability discrimination grievance under the Americans with Disabilities Act (ADA) should contact the campus Site Compliance Officer (SCO), Edwin Heil at 619-388-3036.

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 99:

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)
- CHEM 251 Quantitative Analytical Chemistry (C,M,MMR)
- CISC 187 Data Structures in C++ (C,M,MMR)



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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)



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MATH 254 Introduction to Linear Algebra (C,M,MMR)

MATH 255 Differential Equations (C,M,MMR)

The following is **added to information** listed on pages 101-102:

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 104-110:

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)



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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)

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 112:

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:~~



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- ~~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.~~

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.**



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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.

The following is **added to information** listed on page 100 and 120:

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 122-128:

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)



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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)

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 130-136:

The CSUGE-Breadth Pattern (Option 2)

Area B. Scientific Inquiry and Quantitative Reasoning



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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

- 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)**



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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)

Area E: Lifelong Learning and Self-Development:

BUSE 205 Leadership Theory and Practice (M,MMR)

EXSC 294 Health and Wellness Coaching (C)



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The following is **removing information** listed on pages 156:

Associate in Science in Agriculture Plant Science for Transfer Degree

COURSES REQUIRED FOR THE MAJOR:

	<u>UNITS</u>
AGRI 125 Introduction to Soil Science	3
AGRI 114 Plant Propagation	3
AGRI 107 Introduction to Agricultural Plant Science	4
CHEM 100 Fundamentals of Chemistry	3
CHEM 100L Fundamentals of Chemistry Laboratory	1
ECON 121 Principles of Microeconomics	3
MATH 119 Elementary Statistics	3
or BIOL 200 Biological Statistics	
<hr/>	
Total Units	20

The following is **added to/replacing information** listed on page 279:

Associate of Science Degree: Digital Music Technology

COURSES REQUIRED FOR THE MAJOR:

	<u>UNITS</u>
MUSI 108 The Business of Music	3
MUSC 50 Music Fundamentals for the Studio Engineer	3
MUSC 70 Commercial Music Performance	1
MUSC 80 Introduction to Digital Audio and MIDI	3
MUSC 82 Audio Recording	3
MUSC 84 Fundamentals of MIDI Production	3
MUSC 95 Advanced Topics in Music Production	3
<u>MUSC 152 Sound Design and Digital Audio Post Production</u>	<u>3</u>
<u>MUSI 204 Audio System Design and Maintenance</u>	<u>3</u>
RTVF 107 Audio Production	3
DMPR 152 Sound Design and Digital Audio Post Production	3



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Total Units

25*

*and courses to meet graduation requirements, general education and electives as needed to meet the minimum of 60 units required for the degree.

The following is **added to information** listed on pages 157-158:

Certificate of Achievement: Advanced HVAC/R Mechanical Systems Installations and Repair

<u>COURSES REQUIRED FOR THE MAJOR:</u>		<u>UNITS</u>
<u>AIRE 060</u>	<u>Construction Safety and Health</u>	<u>2</u>
<u>AIRE 094</u>	<u>HVAC/R Certification Training</u>	<u>3</u>
<u>AIRE 100</u>	<u>Basic Refrigeration & AC Theory</u>	<u>4</u>
<u>AIRE 103</u>	<u>Basic Refrigeration & AC Lab</u>	<u>2</u>
<u>AIRE 124</u>	<u>Power & Control Systems Theory</u>	<u>3</u>
<u>AIRE 125</u>	<u>Power & Control Systems Lab</u>	<u>2</u>
<u>AIRE 132</u>	<u>Advanced Refrigeration & AC Theory</u>	<u>3</u>
<u>AIRE 133</u>	<u>Advanced Refrigeration & AC Lab</u>	<u>2</u>
<u>EGEE 050</u>	<u>Building Science Principles</u>	<u>3</u>
<hr/> <u>Total Units</u>		<u>24</u>

Certificate of Achievement: Basic HVAC/R Mechanical Systems Installation

<u>COURSES REQUIRED FOR THE MAJOR:</u>		<u>UNITS</u>
<u>AIRE 060</u>	<u>Construction Safety and Health</u>	<u>2</u>
<u>AIRE 094</u>	<u>HVAC/R Certification Training</u>	<u>3</u>
<u>AIRE 100</u>	<u>Basic Refrigeration & AC Theory</u>	<u>4</u>
<u>AIRE 103</u>	<u>Basic Refrigeration & AC Lab</u>	<u>2</u>
<u>AIRE 124</u>	<u>Power & Control Systems Theory</u>	<u>3</u>
<u>AIRE 125</u>	<u>Power & Control Systems Lab</u>	<u>2</u>
<u>EGEE 050</u>	<u>Building Science Principles</u>	<u>3</u>



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Total Units **19**

Certificate of Achievement: Mechanical Systems and Solid-State Electronics Technician

<u>COURSES REQUIRED FOR THE MAJOR:</u>		<u>UNITS</u>
<u>AIRE 060</u>	<u>Construction Safety and Health</u>	<u>2</u>
<u>AIRE 094</u>	<u>HVAC/R Certification Training</u>	<u>3</u>
<u>AIRE 100</u>	<u>Basic Refrigeration & AC Theory</u>	<u>4</u>
<u>AIRE 103</u>	<u>Basic Refrigeration & AC Lab</u>	<u>2</u>
<u>AIRE 124</u>	<u>Power & Control Systems Theory</u>	<u>3</u>
<u>AIRE 125</u>	<u>Power & Control Systems Lab</u>	<u>2</u>
<u>AIRE 132</u>	<u>Advanced Refrigeration & AC Theory</u>	<u>3</u>
<u>AIRE 133</u>	<u>Advanced Refrigeration & AC Lab</u>	<u>2</u>
<u>AIRE 144</u>	<u>Direct Digital Controls Theory</u>	<u>4</u>
<u>AIRE 145</u>	<u>Direct Digital Controls Lab</u>	<u>2</u>
<u>EGEE 050</u>	<u>Building Science Principles</u>	<u>3</u>
or <u>EGEE 055</u>	<u>Air Quality Management and Systems</u>	<u>3</u>

Total Units **30**

Certificate of Achievement: Mechanical Systems Project Development

<u>COURSES REQUIRED FOR THE MAJOR:</u>		<u>UNITS</u>
<u>AIRE 060</u>	<u>Construction Safety and Health</u>	<u>2</u>
<u>AIRE 094</u>	<u>HVAC/R Certification Training</u>	<u>3</u>
<u>AIRE 100</u>	<u>Basic Refrigeration & AC Theory</u>	<u>4</u>
<u>AIRE 103</u>	<u>Basic Refrigeration & AC Lab</u>	<u>2</u>
<u>AIRE 122</u>	<u>Construction Drawings and Estimating</u>	<u>3</u>
<u>AIRE 123</u>	<u>Construction Drawings and Estimating Lab</u>	<u>1</u>
<u>AIRE 124</u>	<u>Power & Control Systems Theory</u>	<u>3</u>
<u>AIRE 125</u>	<u>Power & Control Systems Lab</u>	<u>2</u>
<u>AIRE 126</u>	<u>Fluid Flow Dynamics</u>	<u>3</u>
<u>AIRE 127</u>	<u>Fluid Flow Dynamics Lab</u>	<u>2</u>
<u>AIRE 138</u>	<u>HVAC System Design</u>	<u>3</u>
<u>AIRE 139</u>	<u>HVAC System Design Lab</u>	<u>2</u>



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<u>EGEE 050</u>	<u>Building Science Principles</u>	<u>3</u>
or <u>EGEE 055</u>	<u>Air Quality Management and Systems</u>	<u>3</u>
<hr/> <u>Total Units</u>		<u>33</u>

Associate of Science Degree: HVAC/R Mechanical Systems Installation and Repair

<u>COURSES REQUIRED FOR THE MAJOR:</u>		<u>UNITS</u>
<u>AIRE 060</u>	<u>Construction Safety and Health</u>	<u>2</u>
<u>AIRE 094</u>	<u>HVAC/R Certification Training</u>	<u>3</u>
<u>AIRE 100</u>	<u>Basic Refrigeration & AC Theory</u>	<u>4</u>
<u>AIRE 103</u>	<u>Basic Refrigeration & AC Lab</u>	<u>2</u>
<u>AIRE 124</u>	<u>Power & Control Systems Theory</u>	<u>3</u>
<u>AIRE 125</u>	<u>Power & Control Systems Lab</u>	<u>2</u>
<u>AIRE 132</u>	<u>Advanced Refrigeration & AC Theory</u>	<u>3</u>
<u>AIRE 133</u>	<u>Advanced Refrigeration & AC Lab</u>	<u>2</u>
<u>EGEE 050</u>	<u>Building Science Principles</u>	<u>3</u>
<hr/> <u>Total Units</u>		<u>24*</u>

*and courses to meet graduation requirements, general education and electives as needed to meet the minimum of 60 units required for the degree.

Associate of Science Degree: Mechanical Systems and Solid-State Electronics Technician

<u>COURSES REQUIRED FOR THE MAJOR:</u>		<u>UNITS</u>
<u>AIRE 060</u>	<u>Construction Safety and Health</u>	<u>2</u>
<u>AIRE 094</u>	<u>HVAC/R Certification Training</u>	<u>3</u>
<u>AIRE 100</u>	<u>Basic Refrigeration & AC Theory</u>	<u>4</u>
<u>AIRE 103</u>	<u>Basic Refrigeration & AC Lab</u>	<u>2</u>
<u>AIRE 124</u>	<u>Power & Control Systems Theory</u>	<u>3</u>
<u>AIRE 125</u>	<u>Power & Control Systems Lab</u>	<u>2</u>
<u>AIRE 132</u>	<u>Advanced Refrigeration & AC Theory</u>	<u>3</u>



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<u>AIRE 133</u>	<u>Advanced Refrigeration & AC Lab</u>	<u>2</u>
<u>AIRE 144</u>	<u>Direct Digital Controls Theory</u>	<u>4</u>
<u>AIRE 145</u>	<u>Direct Digital Controls Lab</u>	<u>2</u>
<u>EGEE 050</u>	<u>Building Science Principles</u>	<u>3</u>
or <u>EGEE 055</u>	<u>Air Quality Management and Systems</u>	<u>3</u>

Total Units **30***

***and courses to meet graduation requirements, general education and electives as needed to meet the minimum of 60 units required for the degree.**

Associate of Science Degree: Mechanical Systems Project Development

<u>COURSES REQUIRED FOR THE MAJOR:</u>		<u>UNITS</u>
<u>AIRE 060</u>	<u>Construction Safety and Health</u>	<u>2</u>
<u>AIRE 094</u>	<u>HVAC/R Certification Training</u>	<u>3</u>
<u>AIRE 100</u>	<u>Basic Refrigeration & AC Theory</u>	<u>4</u>
<u>AIRE 103</u>	<u>Basic Refrigeration & AC Lab</u>	<u>2</u>
<u>AIRE 122</u>	<u>Construction Drawings and Estimating</u>	<u>3</u>
<u>AIRE 123</u>	<u>Construction Drawings and Estimating Lab</u>	<u>1</u>
<u>AIRE 124</u>	<u>Power & Control Systems Theory</u>	<u>3</u>
<u>AIRE 125</u>	<u>Power & Control Systems Lab</u>	<u>2</u>
<u>AIRE 126</u>	<u>Fluid Flow Dynamics</u>	<u>3</u>
<u>AIRE 127</u>	<u>Fluid Flow Dynamics Lab</u>	<u>2</u>
<u>AIRE 138</u>	<u>HVAC System Design</u>	<u>3</u>
<u>AIRE 139</u>	<u>HVAC System Design Lab</u>	<u>2</u>
<u>EGEE 050</u>	<u>Building Science Principles</u>	<u>3</u>
or <u>EGEE 055</u>	<u>Air Quality Management and Systems</u>	<u>3</u>

Total Units **33***

***and courses to meet graduation requirements, general education and electives as needed to meet the minimum of 60 units required for the degree.**

The following is **added to/removed from information** listed on page 213-214:



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Certificate of Achievement: Cosmetology

Program Prerequisites:

MATH 38	Pre-Algebra and Study Skills	4
ENGL 47A	Integrated Reading, Writing, and Reasoning	4
or		
ENGL 48	College Reading and Study Skills II	3
and		
ENGL 49	Basic Composition	3

Courses Required for the Major: Units

COSM 50L	Fundamentals of Cosmetology	6
COSM 50	Rules, Regulations and Physiology	2.5
COSM 60L	Intermediate Cosmetology Lab I	6
COSM 60	Resolution of Skin Diseases and Disorders	2.5
COSM 70L	Intermediate Cosmetology Lab II	6
COSM 70	Chemistry and Chemical Services	2.5
COSM 80L	Advanced Cosmetology Lab I	6
COSM 81	Basic Business Practices	2.5
COSM 90L	Advanced Cosmetology Lab II	6
COSM 95	State Board Review	2.5
Total Units		42.5

Note: The Cosmetology department requires students to complete all required courses within seven years.

Associate of Science Degree: Cosmetology

Courses Required for the Major: Units

COSM 50L	Fundamentals of Cosmetology or	
COSM 50LA	Fundamentals of Cosmetology I	3
and		
COSM 50LB	Fundamentals of Cosmetology II	3
COSM 50	Rules, Regulations, and Physiology	2.5
COSM 60L	Intermediate Cosmetology Lab I or	
COSM 60LA	Intermediate Cosmetology Lab IA	3



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and	
COSM 60LB Intermediate Cosmetology Lab IB	3
COSM 60 Resolution of Skin Diseases and Disorders	2.5
COSM 70L Intermediate Cosmetology Lab II or COSM 70LA Intermediate Cosmetology Lab IIA	3
and	
COSM 70LB Intermediate Cosmetology Lab IIB	3
COSM 70 Chemistry and Chemical Services	2.5
COSM 80L Advanced Cosmetology Lab IA or COSM 80LA Advanced Cosmetology Lab IA	3
and	
COSM 80LB Advanced Lab IB	3
COSM 81 Basic Business Practices	2.5
COSM 90L Advanced Cosmetology Lab II or COSM 90LA Advanced Lab IIA	3
and	
COSM 90LB Advanced Lab IIB	3
COSM 95 State Board Review	2.5
Complete the following additional courses required for the major:	
BUSE 100 Introduction to Business	3
CHEM 100 Fundamentals of Chemistry	3
CHEM 100L Fundamentals of Chemistry Lab	1

Total Units = ~~49.5~~ **42.5**

Additional general education and graduation requirements for the associate degree are listed in the catalog. The associate degree requires a minimum of 60 units.

Associate of Science Degree: Esthetician Business Administration

<u>COURSES REQUIRED FOR THE MAJOR:</u>		<u>UNITS</u>
<u>COSM 055</u>	<u>Introductory Esthetician</u>	<u>2.5</u>
<u>COSM 055L</u>	<u>Introductory Esthetician Lab</u>	<u>6.5</u>
<u>COSM 065</u>	<u>Advanced Esthetician</u>	<u>2.5</u>
<u>COSM 065L</u>	<u>Advanced Esthetician Lab</u>	<u>6.5</u>
<u>BUSE 092</u>	<u>Introduction to Business Communication</u>	<u>3</u>
or <u>BUSE 119</u>	<u>Business Communications</u>	<u>3</u>
<u>BUSE 155</u>	<u>Managing the Small Business</u>	<u>3</u>



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<u>BUSE 157</u>	<u>Developing a Plan for the Small Business</u>	<u>3</u>
<u>DRAM 124</u>	<u>Makeup for the Stage</u>	<u>3</u>

<u>Total Units</u>		<u>30</u>
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*and courses to meet graduation requirements, general education and electives as needed to meet the minimum of 60 units required for the degree.

The following is **removed from information** listed on page 216:

Associate of Arts Degree: Visual and Performing Arts

Dance

Courses Required for the Major:

Units

DANC 110C Ballet III	1.5
DANC 110D Ballet IV	1.5
DANC 111 Ethnic Dance Forms	2
DANC 140C Modern Dance III	1.5
DANC 140D Modern Dance IV	1.5
DANC 177B Dance Improvisation II	1.5
DANC 181 History of Dance	3
DANC 183 Music for Dance	2
DANC 253 Choreography	2
Select 6 units from the following Dance courses:	
DANC 110A Ballet I	1.5
DANC 110B Ballet II	1.5
DANC 120A Hip Hop I	1.5
DANC 120B Hip Hop II	1.5
DANC 120C Hip Hop III	1.5
DANC 120D Hip Hop IV	1.5
DANC 130A Dance Repertoire	1
DANC 135A Jazz Dance I	1.5
DANC 135B Jazz Dance II	1.5
DANC 135C Jazz Dance III	1.5



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DANC 135D Jazz Dance IV	1.5
DANC 140A Modern Dance I	1.5
DANC 140B Modern Dance II	1.5
DANC 140C Modern Dance III	1.5
DANC 140D Modern Dance IV	1.5
DANC 150A Dance Making: Ballet	1
DANC 151A Dance Making: Jazz	1
DANC 152A Dance Making: Modern	1
DANC 153A Dance Making: Dance Theatre	1
DANC 177A Dance Improvisation	1 – 1.5

Complete two of the following courses (4 units total):

DANC 261A Dance Performance I	2
DANC 261B Dance Performance II	2
DANC 261C Dance Performance III	2
DANC 261D Dance Performance IV	2
DANC 271A Stage Costuming for Dance	2
DANC 271B Makeup for Dance Productions	2
DANC 271C Lighting Design for Dance Production	2
DANC 271D Sound Design for Dance Production	2

Total Units = 26.5

Additional general education and graduation requirements for the associate degree are listed in the catalog. The associate degree requires a minimum of 60 units.



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The following is **added to information** listed on page 254:

Certificate of Achievement: Community Health Work

<u>COURSES REQUIRED FOR THE MAJOR:</u>		<u>UNITS</u>
<u>HUMS 103</u>	<u>Introduction to Community Health Work</u>	<u>3</u>
<u>HUMS 111</u>	<u>Introduction to Chronic Disease</u>	<u>3</u>
<u>HUMS 118</u>	<u>Diversity and Cultural Competency</u>	<u>3</u>
<u>HUMS 121</u>	<u>Practicum 1: Core Competencies</u>	<u>3</u>
<u>HUMS 122</u>	<u>Practicum 2: Field Work</u>	<u>2</u>
<u>PSYC 130</u>	<u>Introduction to Community Psychology</u>	<u>3</u>
<u>HUMS 270</u>	<u>Work Experience</u>	<u>1 - 4</u>
<hr/>		
<u>Total Units</u>		<u>18 - 21</u>

The following is **added to information** listed on page 292:

Certificate of Achievement: Public Administration

<u>COURSES REQUIRED FOR THE MAJOR:</u>		<u>UNITS</u>
<u>PADM 200</u>	<u>Introduction to Public Administration</u>	<u>3</u>
<u>POLI 102</u>	<u>The American Political System</u>	<u>3</u>
<u>POLI 201</u>	<u>Elementary Statistics for Political Science</u>	<u>3</u>
or <u>MATH 119</u>	<u>Elementary Statistics</u>	<u>3</u>
<u>ACCT 116A</u>	<u>Financial Accounting</u>	<u>4</u>
<u>ECON 120</u>	<u>Principles of Macroeconomics</u>	<u>3</u>
<u>ECON 121</u>	<u>Principles of Microeconomics</u>	<u>3</u>
<u>CISC 181</u>	<u>Principles of Information Systems</u>	<u>4</u>
<hr/>		
<u>Total Units</u>		<u>23</u>

The following is **added to information** listed on page 320



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Certificate of Achievement: Technical Theatre

<u>COURSES REQUIRED FOR THE MAJOR:</u>		<u>UNITS</u>
<u>DRAM 123</u>	<u>Beginning Stagecraft</u>	<u>3</u>
<u>DRAM 124</u>	<u>Makeup for the Stage</u>	<u>3</u>
<u>DRAM 126</u>	<u>Advanced Stagecraft</u>	<u>3</u>
<u>DRAM 143</u>	<u>Beginning Costuming</u>	<u>3</u>
<u>DRAM 129A</u>	<u>Beginning Scene Painting</u>	<u>3</u>
<u>DRAM 129B</u>	<u>Intermediate Scene Painting</u>	<u>3</u>
<hr/> <u>Total Units</u>		<u>18</u>

The following is **added** information listed on pages 337-582:

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
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

The following is **added to information** listed on page 523:

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).



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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, **Mathematics 115 (MATH 115)**, **Business 115 (BUSE 115)**, Biology (BIOL) 200, or Psychology (PSYC) 258 combined: maximum credit, one course; C-ID MATH 110.