

### The following is added to/replacing information listed on page 16:

### 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.
- q. 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. <u>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.</u>



## The following is replacing information listed on pages 41-48:

## Advanced Placement Test (AP)

EXAM AND REQUIRED SCORE	UNIT REQUIREMENTS FULFILLED	GENERAL EDUCATION (GE) REQUIREMENTS FULFILLED	MAJOR REQUIREMENTS FULFILLED
Calculus AB <sup>1</sup>	SDCCD: 3 semester units	SDCCD GE: 3 semester	SDCCD: N/A
3, 4 or 5	CSU: 3 semester units UC: 4 quarter/ <del>2.7</del> <u><b>2.6</b> semester units</u>	units towards Area A2 and Mathematics Competency CSU GE: 3 semester units	
		towards Area B4 IGETC: 3 semester units towards Area 2A	
Calculus BC/AB subscore <sup>1</sup> 3, 4 or 5	SDCCD: 3 semester units CSU: 3 semester units UC: 4 quarter/ <del>2.7</del> <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 <u>2.6</u> 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 Exam taken prior to Fall 2009	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
Environmental Science 3 Exam taken prior to Fall 2009	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



## Advanced Placement Test (AP)

EXAM AND REQUIRED SCORE	UNIT REQUIREMENTS FULFILLED	GENERAL EDUCATION (GE) REQUIREMENTS FULFILLED	MAJOR REQUIREMENTS FULFILLED
Environmental Science 4 or 5 Exam taken prior to Fall 2009	SDCCD: 4 semester units CSU: 4 semester units UC: 4 quarter/ <del>2.7</del> <u><b>2.6</b> semester units</u>	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 Exam taken Fall 2009 or later	SDCCD: 4 semester units CSU: 4 semester units UC: 4 quarter/2.7, 2.6 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 Exam taken Fall 2009 or later	SDCCD: 4 semester units CSU: 4 semester units UC: 4 quarter/ <del>2.7</del> <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
Latin Literature 3, 4, or 5 Exam taken prior to Fall 2009	SDCCD: 6 semester units CSU: 6 semester units UC: 4 quarter/2.7 <u>2.6</u> 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 <u>UC: 8 quarter/5.3 semester</u> 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



## Advanced Placement Test (AP)

EXAM AND REQUIRED SCORE	UNIT REQUIREMENTS FULFILLED	GENERAL EDUCATION (GE) REQUIREMENTS FULFILLED	MAJOR REQUIREMENTS FULFILLED
Latin: Vergil 3, 4, or 5 Exam taken prior to Fall 2012	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 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 <u>2.6</u> 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/ <del>2.7</del> <u>2.6</u> 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 <u>2.6</u> 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 <u>2.6</u> 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
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



#### Advanced Placement Test (AP)

EXAM AND REQUIRED SCORE	UNIT REQUIREMENTS FULFILLED	GENERAL EDUCATION (GE) REQUIREMENTS FULFILLED	MAJOR REQUIREMENTS FULFILLED
Seminar 3, 4, 5	CSU: 3 semester units	SDCCD GE: N/A CSU GE: N/A IGETC: N/A	SDCCD: N/A
	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	UC: 4 quarter <del>/2.7 <b>2.6</b> semester units</del>	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

- \* 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 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.

To request an official transcript, write to: PSAT/NMSQT Office, P.O. Box 6720, Princeton, NJ, 08541-6720



The following is added to information listed on pages 61–62:

# 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 Site Compliance Officer (SCO), Lou Ascione at 619-388-7873, Room H-101. 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, Adrian Gonzales, Vice President of Student Services at 619-388-7810, Room N-203, Disability Support Programs and Services in Room K1-204, or call 619-388-7312. Students who want to file a disability discrimination grievance under the Americans with Disabilities Act (ADA) should contact the Campus Site Compliance Officer (SCO), Lou Ascione

at 619-388-7873, Room H-101.

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 91:

### **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)

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)

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)

MATH 255 Differential Equations (C,M,MMR)

The following is added to information listed on pages 93-94:

#### **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 95-101:

# **General Education Requirements (Option 4)**

- A. Language and Rationality
  - 2. Communication and Analytical Thinking

    <u>CISC 246 Discrete Mathematics for Computer Science (MMR)</u>

    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)

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 /removing information listed on page 103

## **Gainful Employment and Licensure Eligibility Requirements**

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

#### **Additional CollegeDegree**

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:



- 4. 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.



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 pages 92 and 127:

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

 $\frac{POLI\ 121\ American\ Political\ Development\ (C,M,MMR)\ Area\ US-1\ and\ Area}{US-2}$ 

The following is added to/removing information listed on pages 111-118:

#### The IGETC Pattern

Area 2A – Mathematical Concepts and Quantitative Reasoning

<u>CISC 246 Discrete Mathematics for Computer Science (MMR)</u>

<u>POLI 201 Elementary Statistics for Political Science (C,M)</u>

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)

#### 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 119-126:

## 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

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)

### 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 added to information listed on page 210-212:

#### **Certificate of Achievement:**

Fire Protection Technology Fire Technology

# **Entry Level Firefighter**

Students complete all of the major requirements as well as one of the two Firefighter I Certification options below.

COURSES RE	QUIRED FOR THE MAJOR:	<u>UNITS</u>
FIPT 101	Fire Protection Organization	3
FIPT 102	Fire Prevention Technology	3
FIPT 103	Fire Protection Equipment and Systems	3
FIPT 104	Building Construction for Fire Protection	3
FIPT 105	Fire Behavior and Combustion	3
FIPT 120	Firefighter Safety and Survival	3
EMGM 105A	Emergency Medical Technician - National Registry	7
EMGM 106	Perilaryngeal Airway Adjuncts/Defibrillation Training	0.5
STUDENTS S	SEEKING FIREFIGHTER I CERTIFICATION THROUGH A	
<b>TRADITION</b>	AL FIRE ACADEMY COMPLETE ONE OF THE FOLLOWING TWO	<u>UNITS</u>
ACADEMY C	<u>PPTIONS:</u>	
FIPT 381F	Heartland Fire Training Regional Firefighter I Academy	9
andFIPT 3810	Firefighter I Academy Skills Review and Certification	1.5
or FIPT 381S	San Diego City Basic Firefighter I Academy	13



ALTERNATE	EEKING FIREFIGHTER I CERTIFICATION T FIRE ACADEMY DELIVERY OPTION COME		<u>UNITS</u>
FOLLOWING			_
<del>FIPT 106</del>	Truck Company Operations		3
FIPT 110A	Wildland Fire Control		2
FIPT 150A	Introduction to Fire Suppression and Mainten (Beginning)	ance Manipulative Tasks	1.5
FIPT 150B	Introduction to Fire Suppression and Mainten (Intermediate)	ance Manipulative Tasks	1.5
FIPT 150C	Introduction to Fire Suppression and Mainten (Advanced)	ance Manipulative Tasks	1.5
	<b>Introduction to Fire Suppression and Main</b>	ntenance Manipulative Tas	ks
<b>FIPT 150D</b>	(Truck Operations)		<u>1.5</u>
FIPT 322B	Confined Space Rescue Awareness		0.2
FIPT 322C	Firefighter Survival		0.5
FIPT 323B	Hazmat Emergency Response First Responde	er Operational	0.5
FIPT 324A	Basic Incident Command System (NIMS ICS		0.5
FIPT 381G	Firefighter I Academy Skills Review and Cert		1.5
Total Units			36 - 38.5
The following courses are recommended in the National Standard Model by Fire and Emergency Services Higher Education (FESHE) for further training in fire apparatus, tactics,			
and strategy.			
RECOMMEN	IDED ELECTIVES:		<u>UNITS</u>
<b>FIPT 107</b>	<u>Fire Fighting Tact</u> Strategy	ics and	<u>3</u>
<b>FIPT 109</b>	<u>Strategy</u> Fire Service Hydra	oulies	
	·	<del></del>	$\frac{3}{3}$
<u>FIPT 111</u>	<u>Fire Apparatus an</u>	<u>u Equipment</u>	<u>3</u>

## **Certificate of Achievement:**

Fire Protection Technology Fire Prevention

## **Fire Prevention**

COURSES REQUIRED FOR THE MAJOR:		<u>UNITS</u>
ENGL 101	Reading and Composition	3
FIPT 101	Fire Protection Organization	3
FIPT 102	Fire Prevention Technology	3
FIPT 103	Fire Protection Equipment and Systems	3



FIPT 104	Building Construction for Fire Protection	3
FIPT 105	Fire Behavior and Combustion	3
FIPT 342	Company Officer 2C: Fire Investigation and Inspection for Company	<del>.5</del>
111 1 3 12	Officers	<del>.5</del>
<b>FIPT 125</b>	Report Writing for the Fire Service	<u>2</u>
<b>FIPT 323A</b>	Hazardous Materials: First Responder Awareness (FRA)	0.2
orFIPT 323B	<b>Hazmat Emergency Response First Responder Operational</b>	<u>0.5</u>
<b>FIPT 351A</b>	Fire Inspector 1A: Inspection and Code Enforcement	<u>0.5</u>
<b>FIPT 351B</b>	Fire Inspector 1B: Fire and Life Safety	<u>0.5</u>
<b>FIPT 351C</b>	Fire Inspector 1C: Field Inspection	<u>0.5</u>
<b>FIPT 351D</b>	Fire Inspector 1D: Field Inspection - California Specific	0.2
ADJU 357A	832 PC Laws of Arrest	1

Total Units <u>19.5</u> <u>22.9 - 23.2</u>

## **Associate of Science Degree**

Fire Protection Technology Fire Technology

### **Entry Level Firefighter**

Students complete all of the major requirements as well as one of the two Firefighter I Certification options below.

options below.			
<b>COURSES RE</b>	QUIRED FOR THE MAJOR:	<u>UNITS</u>	
FIPT 101	Fire Protection Organization	3	
FIPT 102	Fire Prevention Technology	3	
FIPT 103	Fire Protection Equipment and Systems	3	
FIPT 104	Building Construction for Fire Protection	3	
FIPT 105	Fire Behavior and Combustion	3	
FIPT 120	Firefighter Safety and Survival	3	
EMGM 105A	Emergency Medical Technician - National Registry	7	
<b>EMGM</b> 106	Perilaryngeal Airway Adjuncts/Defibrillation Training	0.5	
STUDENTS SEEKING FIREFIGHTER I CERTIFICATION THROUGH A TRADITIONAL			
FIRE ACADE	MY COMPLETE ONE OF THE FOLLOWING TWO ACADEMY OPTIONS:	<u>UNITS</u>	
FIPT 381F	Heartland Fire Training Regional Firefighter I Academy	9	
andFIPT 381G	Firefighter I Academy Skills Review and Certification	1.5	
or FIPT 381S	San Diego City Basic Firefighter I Academy	13	
STUDENTS SEEKING FIREFIGHTER I CERTIFICATION THROUGH THE			
<b>ALTERNATE</b>	FIRE ACADEMY DELIVERY OPTION COMPLETE ALL OF THE	<u>UNITS</u>	
FOLLOWING COURSES:			
FIPT 106	Truck Company Operations	3	



FIPT 110A	Wildland Fire Control	2
FIPT 150A	Introduction to Fire Suppression and Maintenance Manipulative Tasks (Beginning)	1.5
FIPT 150B	Introduction to Fire Suppression and Maintenance Manipulative Tasks (Intermediate)	1.5
FIPT 150C	Introduction to Fire Suppression and Maintenance Manipulative Tasks (Advanced)	1.5
FIPT 150D	Introduction to Fire Suppression and Maintenance Manipulative Tasks	<u>1.5</u>
F11 1 130D	(Truck Operations)	1.5
FIPT 322B	Confined Space Rescue Awareness	0.2
FIPT 322C	Firefighter Survival	0.5
FIPT 323B	Hazmat Emergency Response First Responder Operational	0.5
FIPT 324A	Basic Incident Command System (NIMS ICS 100 & 200)	0.5
FIPT 381G	Firefighter I Academy Skills Review and Certification	1.5
Total Units		36 - 38.5

## **Associate of Science Degree:**

Fire Protection Technology Fire Prevention

## **Fire Prevention**

COURSES REQ	<u>UIRED FOR THE MAJOR:</u>	<u>UNITS</u>
ENGL 101	Reading and Composition	3
FIPT 101	Fire Protection Organization	3
FIPT 102	Fire Prevention Technology	3
FIPT 103	Fire Protection Equipment and Systems	3
FIPT 104	Building Construction for Fire Protection	3
FIPT 105	Fire Behavior and Combustion	3
FIPT 342	Company Officer 2C: Fire Investigation and Inspection for Company Officers	<del>.5</del>
<b>FIPT 125</b>	Report Writing for the Fire Service	2
<b>FIPT 323A</b>	Hazardous Materials: First Responder Awareness (FRA)	0.2
or FIPT 323B	<b>Hazmat Emergency Response First Responder Operational</b>	<u>0.5</u>
<b>FIPT 351A</b>	Fire Inspector 1A: Inspection and Code Enforcement	<u>0.5</u> <u>0.5</u>
<b>FIPT 351B</b>	Fire Inspector 1B: Fire and Life Safety	<u>0.5</u>
<b>FIPT 351C</b>	Fire Inspector 1C: Field Inspection	<u>0.5</u>
<b>FIPT 351D</b>	Fire Inspector 1D: Field Inspection - California Specific	<u>0.2</u>
ADJU 357A	832 PC Laws of Arrest	1

Total Units 19.5 22.9 - 23.2



## The following is added to information listed on page 241:

# Certificate of Achievement: Public Safety Management

<u>C(</u>	<b>DURSES REQ</b>	<u>UIRED FOR THE MAJOR:</u>	UNITS
	<b>PADM 200</b>	Introduction to Public Administration	3
	<b>ADJU 101</b>	Introduction to Administration of Justice	3
<u>or</u>	<b>HSEC 100</b>	Introduction to Homeland Security	3
	<b>ADJU 201</b>	California Criminal Procedure	3
	<b>BUSE 119</b>	Business Communications	3
	<b>BUSE 150</b>	<u>Human Relations in Business</u>	3
	<b>BUSE 201</b>	Business Organization and Management	3
	<b>CBTE 180</b>	Microsoft Office	3
<u>or</u>	<b>CBTE 210</b>	<u>Computers in Business</u>	3
_	OMPLETE AT	C LEAST THREE (3) UNITS FROM THE FOLLOWING COURSES (NOT OVE)	UNITS
	<b>ADJU 101</b>	Introduction to Administration of Justice	3
	<b>ADJU 102</b>	<u>Criminal Law I</u>	3
	<b>ADJU 106</b>	<b>Diversity and Community Relations</b>	3
	<b>ADJU 270</b>	Work Experience	<u>1 - 4</u>
	<b>BUSE 205</b>	Leadership Theory and Practice	3
	<b>CBTE 180</b>	Microsoft Office	3
	<b>CBTE 210</b>	Computers in Business	3
	<b>COMS 103</b>	Oral Communication	3
	<b>HSEC 100</b>	Introduction to Homeland Security	3
	<b>HSEC 110</b>	Intelligence Analysis and Security Management	3
	HSEC 120	Transportation and Border Security	1



Total Units		<u>24 - 25</u>
Associate of	f Science Degree:	
	y Management	
COURSES REQUIRED FOR THE MAJOR:		<u>UNITS</u>
<b>PADM 200</b>	<u>Introduction to Public Administration</u>	<u>3</u>
<u>ADJU 101</u>	Introduction to Administration of Justice	<u>3</u>
<u>or HSEC 100</u>	<u>Introduction to Homeland Security</u>	<u>3</u>
<b>ADJU 201</b>	California Criminal Procedure	3 3 3 3 3 3 3 3 3 3 3
<b>BUSE 119</b>	<b>Business Communications</b>	<u>3</u>
<b>BUSE 150</b>	<b>Human Relations in Business</b>	<u>3</u>
<b>BUSE 201</b>	<b>Business Organization and Management</b>	<u>3</u>
<b>CBTE 180</b>	Microsoft Office	<u>3</u>
<u>or CBTE 210</u>	<u>Computers in Business</u>	<u>3</u>
COMPLETE AT	LEAST THREE (3) UNITS FROM THE FOLLOWING COURSES (NOT	
SELECTED ABO		<u>UNITS</u>
ADJU 101	Introduction to Administration of Justice	3
<b>ADJU 102</b>	Criminal Law I	$\frac{\overline{3}}{3}$
<b>ADJU 106</b>	Diversity and Community Relations	3
<b>ADJU 270</b>	Work Experience	$1 - \frac{-}{4}$
<b>BUSE 205</b>	Leadership Theory and Practice	3
<b>CBTE 180</b>	Microsoft Office	3
<b>CBTE 210</b>	Computers in Business	$\frac{\overline{3}}{3}$
<b>COMS 103</b>	Oral Communication	$\frac{\overline{3}}{3}$
<b>HSEC 100</b>	Introduction to Homeland Security	3
HSEC 110	Intelligence Analysis and Security Management	$\frac{1}{3}$
<b>HSEC 120</b>	Transportation and Border Security	3 3 3 1-4 3 3 3 3 3 3 3 3
<b>Total Units</b>		24 - 25

<u>For graduation requirements</u>, see the Requirements for the Associate Degree on page 88. Electives as needed to meet minimum of 60 units required for the degree.



### The following is replacing information listed on pages 263–264:

Administration of Justice 394L Special topics in law Enforcement Policy and Procedure

24–243 hours lab, 0.5–4.5 units Grade Only

*Prerequisite:* Administration of Justice 323A with a grade of "C" or better, or equivalent S.T.C. Certified Correctional Officer Core Course Academy or Administration of Justice 381, 382, 383, and 384, each with a grade of "C" or better, or equivalent Basic POST Certified Academy.

*Limitation on Enrollment:* This course is not open to students with previous credit for Administration of Justice 394.

This course is designed for practicing peace officers, correctional personnel, and military law enforcement personnel seeking professional training in federal, state, or department level policy and procedure. Current laws, policies, processes, and other guidance pertinent to decisions made by law enforcement officers are taught from a variety of different focus areas that may vary from term to term. Focus areas may include new legislation and legal updates; social issues; special investigations; domestic violence intervention; hate crimes; sexual harassment; or cultural diversity, among others. Focus areas are listed in the class schedule and student transcripts. This course is intended for practicing law enforcement officers. (FT) AA/AS.

This course provides instruction in law enforcement policies and procedures. Current laws, policies, processes, and other guidance pertinent to decisions made by law enforcement officers are taught from a variety of different focus areas that may vary from term to term. Focus areas may include new legislation and legal updates; social issues; special investigations; domestic violence intervention; hate crimes; sexual harassment; or cultural diversity, among others. Focus areas are listed in the class schedule and student transcripts. (FT)AA/AS

394S Special Topics in Law Enforcement Policy and Procedure

1 hour lecture, 7–20.5 hours lab, 0.2 units Grade Only

Prerequisite: Administration of Justice 323A with a grade of "C" or better, or equivalent S.T.C. Certified Correctional Officer Core Course Academy or Administration of Justice 381, 382, 383, and 384, each with a grade of "C" or better, or equivalent Basic POST Certified Academy.

Limitation on Enrollment: This course is not open to students with previous credit for Administration Of Justice 394X.

This course is designed for practicing peace officers, correctional personnel, and military law enforcement personnel seeking professional training-in federal, state, or department-level policy and



procedure. Current laws, policies, processes, and other guidance pertinent to decisions made by law enforcement officers are taught from a variety of different focus areas that may vary from term to term. Focus areas may include new legislation and legal updates; social issues; special investigations; domestic violence intervention; hate crimes; sexual harassment; or cultural diversity, among others. Focus areas are listed in the class schedule and student transcripts. This course is intended for practicing law enforcement officers. (FT) AA/AS.

This course provides instruction in law enforcement policies and procedures. Current laws, policies, processes, and other guidance pertinent to decisions made by law enforcement officers are taught from a variety of different focus areas that may vary from term to term. Focus areas may include new legislation and legal updates; social issues; special investigations; domestic violence intervention; hate crimes; sexual harassment; or cultural diversity, among others. Focus areas are listed in the class schedule and student transcripts. (FT) AA/AS

## The following is replacing information listed on pages 366–367:

Fire Protection Technology FIPT 393S 393S Special topics in Field tactics

1 hour lecture, 7 - 20.5 hours lab, 0.2 units Grade Only

Prerequisite: Administration of Justice 323A with a grade of "C" or better, or equivalent STC Certified Correctional Officer Core Course Academy or Administration of Justice 381, 382, 383, and 384, each with a grade of "C" or better, or equivalent Basic POST Certified Academy.

Limitation on Enrollment: This course is not open to students with previous credit for Administration of Justice 393X.

This course provides specialized instruction in public safety field tactics. Fundamental skills and techniques used by law enforcement officers in the regular execution of their duties are taught from a variety of different focus areas that may vary from term to term. Focus areas may include defensive tactics, weapons proficiency training, vehicle or equipment operation, arrest procedures, investigation techniques, organized crime enforcement, or prisoner control, among others. Focus areas are listed in the class schedule and student transcripts. (FT) AA/AS.

#### 393S Special Topics in Hazardous Materials

1 hours lecture, 7-20.5 hours lab, 0.2 Units

This course provides students with information and practices in dealing with hazardous materials incidents. Hazardous material principles and practices are taught from a variety of different focus areas that may vary from term to term. Focus areas may include: Hazardous Materials Incident



Commander, Hazardous Materials Technician, Hazardous Materials Safety Officer, Hazardous Materials Specialist, Hazardous Materials Decontamination, Hazardous Materials Mitigation, or Hazardous Materials Weapons of Mass Destruction, among others. Focus areas are listed in the class schedule and student transcripts. This course is intended for practicing firefighters.

394L Special topics in law Enforcement Policy and Procedure

24 243 hours lab, 0.5 4.5 units
Grade Only

Prerequisite: Administration of Justice 323A with a grade of "C" or better, or equivalent STC Certified Correctional Officer Core Course Academy or Administration of Justice 381, 382, 383, and 384, each with a grade of "C" or better, or equivalent Basic POST Certified Academy.

Limitation on Enrollment: This course is not open to students with previous credit for Administration of Justice 394.

This course provides instruction in law enforcement policies and procedures. Current laws, policies, processes, and other guidance pertinent to decisions made by law enforcement officers are taught from a variety of different focus areas that may vary from term to term. Focus areas may include new legislation and legal updates; social issues; special investigations; domestic violence intervention; hate erimes; sexual harassment; or cultural diversity, among others. Focus areas are listed in the class schedule and student transcripts. (FT) AA/AS.

#### 394L Special Topics in Firefighting Tactics

24 - 243 hours lab, 0.5-4.5 units

**Grade Only** 

Limitation on Enrollment: This course is not open to students with previous credit for FIPT 394. This course provides professional training in various kinds of firefighting tactics and related activities. Fundamental skills and techniques used by firefighters in the regular execution of their duties are taught from a variety of different focus areas that may vary from term to term. Focus areas may include various kinds of firefighting tactics, vehicle or equipment operation, or firefighter safety and survival, among others. Focus areas are listed in the class schedule and student transcripts. This course is intended for practicing firefighters.

394S Special Topics in law Enforcement Policy and Procedure

1 1 hours lecture, 7 20.5 hours lab, 0.2 units Grade Only

Prerequisite: Administration of Justice 323A with a grade of "C" or better, or equivalent STC Certified Correctional Officer Core Course Academy or Administration of Justice 381, 382, 383, and 384, each with a grade of "C" or better, or equivalent Basic POST Certified Academy.

Limitation on Enrollment: This course is not open to students with previous credit for Administration of Justice 394X.

This course provides instruction in law enforcement policies and procedures. Current laws, policies, processes, and other guidance pertinent to decisions made by law enforcement officers are taught from a variety of different focus areas that may vary from term to term. Focus areas may include new legislation



and legal updates; social issues; special investigations; domestic violence intervention; hate crimes; sexual harassment; or cultural diversity, among others. Focus areas are listed in the class schedule and student transcripts. (FT) AA/AS.

#### 394S Special Topics in Firefighting Tactics

1 hours lecture, 7-20.5 hours lab, 0.2 Units Grade Only

This course provides professional training in various kinds of firefighting tactics and related activities. Fundamental skills and techniques used by firefighters in the regular execution of their duties are taught from a variety of different focus areas that may vary from term to term. Focus areas may include various kinds of firefighting tactics, vehicle or equipment operation, or firefighter safety and survival, among others. Focus areas are listed in the class schedule and student transcripts. This course is intended for practicing firefighters.

### The following is added to information listed on page 378:

#### **Mathematics**

119 Elementary Statistics

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

*Prerequisite:* Mathematics 96 or Mathematics 92 <u>or Mathematics 109</u> 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, Mathematics 115 (MATH 115), 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 386:

#### 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, 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.