

# SAN DIEGO CITY COLLEGE

**2024–2025 CATALOG**

**SECOND ADDENDA/ERRATA**

Fall 2024, Spring 2025, Summer 2025

## Board of Trustees

**Bernie Rhinerson**  
President

**Mary Graham**  
Executive Vice President

**Geysil Arroyo**  
Vice President for Public Health Advocacy

**Craig Milgrim**  
Vice President for Diversity, Equity, and Inclusion

**Maria Nieto Senour, Ph.D.**  
Vice President for Legislative Advocacy

### Student Members 2024–2025

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

## Chancellor and Secretary to the Board

Gregory Smith

## District Administration

**Gregory Smith**  
Chancellor

**Nancy Lane Daniel Troy**  
Acting Vice Chancellor, Finance and Business Services

**Aimee Gallagher, J.D. Jared Burns, Ph.D., J.D.**  
Acting Vice Chancellor, People, Culture, and Technology Services

**Susan Topham, Ed.D.**  
Vice Chancellor, Educational Services

**Joel L.A. Peterson, Ph.D.**  
Vice Chancellor, Operations, Enterprise Services, and Facilities

**Michelle Fischthal, DBA**  
Vice Chancellor, Institutional Innovation and Effectiveness

**Laurie Coskey, Ed.D.**  
Vice Chancellor, Development and Entrepreneurship

**Jack Beresford**  
Director, Communications and Public Relations

**Margaret Lamb**  
Executive Assistant to the Chancellor **Director, Chancellor's Office Operations**



San Diego Community College District Board of Trustees: (from left, back row) Geysil Arroyo, Mary Graham and Craig Milgrim (front row) Bernie Rhinerson and Maria Nieto Senour

**The following information is added to/replaces the information listed on page 22 in the 2024-2025 catalog.**

### **Wait List**

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

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

<https://www.sdccd.edu/mysdccd/faculty-directory.aspx>

### **Criteria**

Students may place their name on only one Wait List for a specific subject and course number.

Students must meet course prerequisites to be placed on the Wait List.

Students who are on a Wait List and later choose to enroll in another class section of the same subject and course number will be required to remove themselves from the Wait Listed class before they can ADD the similar class section.

Students can check their position number on the Wait List on mySDCCD.

Students have the option to remove themselves from the Wait List at any time.

There is a limit to the number of students allowed on each Wait List.

When a space becomes available in the Wait Listed class:

Wait Listed students will automatically be added to the class if a space becomes available and they are eligible to enroll. An email will be sent to students after they have been added to the class. It is the student's responsibility to monitor the payment schedule.

When students are not eligible to enroll due to a hold or time conflict or a failed requisite, they will be notified of the conflict and will be given three (3) business days, including the day of notification, to resolve the issue. If students do not add their Wait Listed class within the 3-day period, they will be removed from the Wait List.

It is the student's responsibility to check their email or mySDCCD for the status of their Wait Listed class(es) in order to pay fees in a timely manner. (Fees will need to be paid immediately, prior to the class start date and before the drop for non-payment date.)

Students remaining on the Wait List after classes begin MUST attend the first class meeting (or email their Online Instructor) to have their Wait List priority considered by the instructor.

**The following information is added to/replaces the information listed on page 91 in the 2024-2025 catalog.**

### **Title IX Coordinator:**

Poppy Fitch, Ed.D.  
Director, Disability Support Programs and Services,  
Title IX Coordinator  
titleix@sdccd.edu  
619-388-6983

### **Add:**

Amber Eckert  
Title IX Coordinator  
titleix@sdccd.edu  
619-388-6660

### **Deputy Title IX Coordinators:**

#### **Remove:**

#### **San Diego City College (M-200)**

Adan Sanchez  
Interim Dean of Student Affairs  
asanchez003@sdccd.edu  
(619) 388-3981

#### **Add:**

#### **San Diego City College (A-222)**

Marciano Perez  
Vice President, Student Services  
mperez@sdccd.edu  
619-388-3981

#### **San Diego Mesa College (I4-408)**

Victoria Miller  
Dean of Student Affairs  
vmiller@sdccd.edu  
(619) 388-2699

#### **San Diego Miramar College (K1-210)**

Cheryl Barnard, Ph.D.  
 Dean of Student Affairs  
 cbarnard@sdccd.edu  
 (619) 388-7313

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

Michele Madrid Novak, M.Ed.  
 Student Affairs Coordinator  
 mnovak@sdccd.edu  
 (619) 388-4850

**The following is added to/replaces the  
 information on page 103:**

**3. Exercise Science Activity**

Students must complete two activity courses. Exercise Science courses numbered below PHYE 240 or below EXSC 229 are acceptable. Dance courses are also acceptable, except for DANC 181, 183 and 253. Administration of Justice 127A, 127B, 127C, 127D, 128A, 128B, 128C, 128D, **260**, 323A, 381 and 382 are also acceptable. Fire Protection Technology 100D, 150A, 150B, 160, 360A, 380W, 381F are also acceptable. Students with physical conditions which prevent participation in regular exercise science activity classes must file a physician’s statement with the College Evaluations Office. Adapted Exercise Science classes are available. A Physician’s medical release form is required.

**Note: This requirement is waived for students who possess an accredited Fire Fighter I certification or are graduates of a POST Commission certified regional law enforcement academy. U.S. Veterans and active duty U.S. military personnel may be granted two units of college credit to fulfill the Exercise Science Activity requirement if service has been continuous for at least six months. Copies of form DD-214 or DD-295 or Joint Services Transcript (JST) or CCAF Transcript covering all periods of military service must be on file in the Records Office.**

**The following is added to/replaces the  
 information on page 103-104:**

**4. Multicultural Studies**

Students may satisfy the District multicultural studies graduation requirement by satisfactorily completing a course related to the culture of one or more of the ethnic groups which are represented in American society. The course shall include a focus on the role of men and

women in the origin, development, and current status of these cultures.

**Note: Each student seeking the Associate Degree must complete a three-unit multicultural studies course selected from the general education courses marked with a ^ indicating that it meets the Multicultural Requirement. The three units may be applied to the 18 units required in general education.**

This requirement is met by completing one of the following courses (these courses are also on the District General Education list).

- ^ AAPI 124 Introduction to Asian American and Pacific Islander Studies (C,M,MMR)
- ^ **AAPI 125 Asian American and Pacific Islander Identities and Cultures (M)**
- ^ **AAPI 130 Asian American and Pacific Islander Women (M)**
- ^ ADJU 106 Diversity and Community Relations (MMR)
- ^ AMSL 150 Introduction to Deaf Culture (M)
- ^ ANTH 103 Introduction to Cultural Anthropology (C,M,MMR)
- ^ ANTH 200 Introduction to North American Indians (M)
- ^ ANTH 210 Introduction to the Indigenous People of California (C,M)
- ^ ARTF 113 Arts of Africa, Oceania, and the Americas (M,MMR)
- ^ ARTF 115 African Art (C,M)
- ^ ARTF 120 Native American Art (M)
- ^ BLAS 100 Introduction to Black Studies (C,M,MMR)
- ^ BLAS 104 Black Psychology (C,M,MMR)
- ^ BLAS 110 African American Art (C,M)
- ^ BLAS 111 Cultural Influences on African Art (M)
- ^ BLAS 115 Sociology from a Black Perspective (C)
- ^ BLAS 116 Contemporary Social Problems from a Black Perspective (C,M)
- ^ BLAS 120 Black Music (C,M)
- ^ BLAS 125 Dynamics of the Black Community (M)
- ^ BLAS 130 The Black Family (C,M)
- ^ BLAS 135 Introduction to Black Politics (C)
- ^ BLAS 140A African American History to Reconstruction (C,M,MMR)
- ^ BLAS 140B African American History since Reconstruction to the Present (C,M,MMR)
- ^ BLAS 145A Introduction to African History (C,M)

- ^ BLAS 145B Introduction to African History (C)
- ^ BLAS 150 Black Women in Literature, Film and the Media (C,M,MMR)
- ^ BLAS 155 African American Literature (C,M,MMR)
- ^ CHIC 110A Introduction to Chicana and Chicano Studies (C,M,MMR)
- ^ CHIC 110B Introduction to Chicano Studies (C,M)
- ^ CHIC 135 Chicana/o Literature (C,M,MMR)
- ^ CHIC 140 Chicana/o Sociology (C,M)
- ^ CHIC 141A United States History from a Chicano Perspective (C,M,MMR)
- ^ CHIC 141B United States History from a Chicano Perspective (C,M,MMR)
- ^ CHIC 155 Introduction to Central American Studies (M)
- ^ CHIC 190 Chicano Images in Film (C,M)
- ^ CHIC 210 Chicano Culture (C,M)
- ^ CHIC 250 Introduction to Chicana/o Dramatic Art (C,M)
- ^ CHIL 141 The Child, Family and Community (C,M,MMR)
- ^ COMS 180 Intercultural Communication (C,M,MMR)
- ^ DRAM 109 Theatre and Social Issues (C,M)
- ^ ENGL 202 Introduction to Linguistics (C,M)
- ^ ENGL 230 Asian American Literature (M,MMR)
- ^ ENGL 234 Hip Hop Literature: A Poetry Class (C,M,MMR)
- ^ FASH 122 Ethnic Costume (M)
- ^ FILI 100 Filipino American Experience (M,MMR)
- ^ FILI 101 Filipino American Psychology (MMR)
- ^ GEND 101 Introduction to Gender Studies (C,MMR)
- ^ GEOG 102 Cultural Geography (C,M,MMR)
- ^ HIST 115A History of the Americas I (C,M,MMR)
- ^ HIST 115B History of the Americas II (C,M,MMR)
- ^ HIST 120 Introduction to Asian Civilizations (C,M,MMR)
- ^ HIST 121 Asian Civilizations in Modern Times (C,M,MMR)
- ^ HIST 123 U.S. History from the Asian Pacific American Perspective (C,M,MMR)
- ^ HIST 130 The Modern Middle East (M)
- ^ HIST 150 Native Americans in United States History I (M)
- ^ HIST 151 Native Americans in United States History II (M)
- ^ INTE 125 History of Furniture and Interiors (M)
- ^ MUSI 109 World Music (C,M,MMR)

- ^ MUSI 217A Gospel Choir I (MMR)
- ^ MUSI 217B Gospel Choir II (MMR)
- ^ MUSI 217C Gospel Choir III (MMR)
- ^ MUSI 217D Gospel Choir IV (MMR)
- ^ NUTR 153 Cultural Foods (C,M)
- ^ PHIL 125 Philosophy of Women (C,M)
- ^ POLI 103 Comparative Politics (C,M,MMR)
- ^ POLI 121 American Political Development (C,M,MMR)
- ^ POLI 140 Contemporary International Politics (C,M,MMR)
- ^ SOCO 101 Principles of Sociology (C,M,MMR)
- ^ SOCO 110 Contemporary Social Problems (C,M,MMR)
- ^ SOCO 125 Sociology of the Family (C,M)
- ^ SOCO 150 Sociology of Latinos/Latinas (C,M)
- ^ SOCO 207 Introduction to Race and Ethnicity (C,M,MMR)
- ^ SOCO 223 Globalization and Social Change (C,M,MMR)
- ^ WMNS 101 Introduction to Gender and Women's Studies (M)

**The following is added to/replaces the information on page 106-114:**

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

A minimum of 21 semester units (28 – 31.5 quarter units)

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- () Colleges in parenthesis indicate where the course is approved for General Education Requirements.  
     C—City College  
     M—Mesa College  
     MMR—Miramar College
  - ^ Courses with a caret fulfill District multicultural studies graduation requirement.
  - \* Courses with an asterisk may satisfy more than one district requirement and/or general education requirement.
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Note: Courses may meet multiple requirements, including general education, a major or area of emphasis, and additional requirements. However, one course may not be counted in more than one general education area, even if the course is approved in multiple general education areas. Students may use the same course to meet a local

general education requirement and to satisfy a general education requirement at the California State University or the University of California if that segment accepts the course for this purpose.

The following information is based on 2024–2025 course offerings and is subject to change. Please contact the Counseling Department for updates.

The State of California requires the completion of a minimum of 21 units of general education with at least a 2.0 grade point average. One course must be selected from each of the following areas: English Composition; Oral Communication and Critical Thinking; Mathematical Concepts and Quantitative Reasoning; Arts and Humanities; Social and Behavioral Sciences; Natural Sciences; and Ethnic Studies.

## English Composition, Oral Communication, and Critical Thinking

(minimum of 6 semester units/8 quarter units  
Including:

### (1A) English Composition

(minimum of 3 semester/4 quarter units). Courses fulfilling this requirement must be baccalaureate-level and include expository and argumentative writing.

ENGL 101	Reading and Composition (C,M,MMR)
ENGL 105	Composition and Literature (C,M,MMR)

### (1B) Oral Communication and Critical Thinking

(minimum of 3 semester / 4 quarter units)

COMS 103	Oral Communication (C,M,MMR)
COMS 135	Interpersonal Communication (C,M,MMR)
COMS 160	Argumentation and Critical Thinking (C,M,MMR)
COMS 170	Small Group Communication (C,M,MMR)
^ COMS 180	Intercultural Communication (C,M,MMR)
ENGL 205	Critical Thinking and Intermediate Composition (C,M,MMR)

HIST 205	Methodology and Practice in History (M)
PHIL 100	Logic and Critical Thinking (C,M,MMR)
PHIL 205	Critical Thinking and Writing (C,M,MMR)

## (2) Mathematical Concepts and Quantitative Reasoning

(minimum of 3 semester / 4 quarter units).

BANK 103	Introduction to Investments (MMR)
BIOL 200	Biological Statistics (M)
BUSE 101	Business Mathematics (C,M,MMR)
BUSE 115	Statistics for Business (C,M,MMR)
CHEM 251	Quantitative Analytical Chemistry (C,M,MMR)
CISC 150	Introduction to Computer and Information Sciences (C,M)
CISC 181	Principles of Information Systems (C,M,MMR)
CISC 187	Data Structures in C++ (C,M,MMR)
CISC 190	Java Programming (C,M,MMR)
CISC 192	C/C++ Programming (C,M,MMR)
CISC 201	Advanced C++ Programming (C,M)
CISC 205	Object Oriented Programming using C++ (C)
CISC 246	Discrete Mathematics for Computer Science (M,MMR)
ECON 120	Principles of Macroeconomics (C,M,MMR)
ECON 121	Principles of Microeconomics (C,M,MMR)
ENGE 151	Engineering Drawing (C,M)
ENGE 200	Statics (C,M)
ENGE 240	Digital Systems (C,M)
ENGE 250	Dynamics (C,M)
ENGE 260	Electric Circuits (C,M)
GISG 104	Geographic Information Science and Spatial Reasoning (C,M)
HEIT 256	Statistics for Healthcare (M)
MATH 92	Applied Beginning and Intermediate Algebra (C,M,MMR). (City Apprenticeship Students Only)



ARTF 191	Cultural Influences on Photography (M)	ENGL 207	The Art of the Sentence (M)
ARTF 194	Critical Photography (M)	ENGL 208	Introduction to Literature (C,M,MMR)
ARTF 212	Sustainable Art and Design (C)	ENGL 209	Literary Approaches to Film (C,M,MMR)
^ BLAS 110	African American Art (C,M)	ENGL 210	American Literature I (C,M,MMR)
^ BLAS 111	Cultural Influences on African Art (M)	ENGL 211	American Literature II (C,M,MMR)
^ BLAS 120	Black Music (C,M)	ENGL 215	English Literature I: 800–1799 (C,M,MMR)
^ BLAS 150	Black Women in Literature, Film and the Media (C,M,MMR)	ENGL 216	English Literature II: 1800–Present (C,M,MMR)
^ BLAS 155	African American Literature (C,M,MMR)	ENGL 220	Masterpieces of World Literature I: 1500 BCE–1600 CE (C,M,MMR)
CHIC 130	Mexican Literature in Translation (C,M)	ENGL 221	Masterpieces of World Literature II: 1600–Present (C,M,MMR)
^ CHIC 135	Chicana/o Literature (C,M,MMR)	^ ENGL 230	Asian American Literature (M,MMR)
CHIC 138	Literature of La Raza in Latin America in Translation (C,M)	^ ENGL 234	Hip Hop Literature: A Poetry Class (C,M,MMR)
^ CHIC 190	Chicano Images in Film (C,M)	ENGL 237	Women in Literature (C,M,MMR)
^* CHIC 210	Chicano Culture (C,M)	ENGL 238	Evaluating Children's Literature (C)
CHIC 230	Chicano Art (C,M)	ENGL 240	Shakespeare (C,M)
CHIN 101	First Course in Mandarin Chinese (M)	FASH 120	Fashion History and Trends (M)
CHIN 102	Second Course in Mandarin Chinese (M)	^ FASH 122	Ethnic Costume (M)
CHIN 201	Third Course in Mandarin Chinese (M)	FJMP 100	Introduction to Cinema
CHIN 202	Fourth Course in Mandarin Chinese (M)	FREN 101	First Course in French (C,M)
DANC 181	History of Dance (C,M)	FREN 102	Second Course in French (C,M)
DFLM 101	Introduction to Film (MMR)	FREN 201	Third Course in French (C,M)
DFLM 102	The American Cinema (MMR)	FREN 202	Fourth Course in French (C,M)
DRAM 105	Introduction to Dramatic Arts (C,M)	GERM 101	First Course in German (C,M)
<b>DRAM 107</b>	<b>Study of Filmed Plays (C,M)</b>	GERM 102	Second Course in German (C,M)
DRAM 108	Playwriting (C,M)	GERM 201	Third Course in German (C,M)
^ DRAM 109	Theatre and Social Issues (C,M)	* HIST 100	World History I (C,M,MMR)
DRAM 111	Chicana/o Theatre (C)	* HIST 101	World History II (C,M,MMR)
DRAM 136	History of Canonized Theatre - Ancient Greece to the Restoration (C,M)	* HIST 105	Introduction to Western Civilization I (C,M,MMR)
DRAM 137	History of Canonized Western Theatre - Restoration to the Present (C,M)	* HIST 106	Introduction to Western Civilization II (C,M,MMR)
DRAM 150	Cinema as Art and Communication I (M)	^* HIST 120	Introduction to Asian Civilizations (C,M,MMR)
DRAM 151	Cinema as Art and Communication II (M)	^* HIST 121	Asian Civilizations in Modern Times (C,M,MMR)
<b>DRAM 205</b>	<b>The American Musical on Stage and Screen (C,M)</b>	^* HIST 123	U.S. History from the Asian Pacific American Perspective (C,M,MMR)
DSGN 104	Graphic Design History (C)		

* HIST 131	Latin America Before Independence (M)	PHIL 102A	Introduction to Philosophy: Reality and Knowledge (C,M,MMR)
* HIST 132	Latin America Since Independence (M)	PHIL 102B	Introduction to Philosophy: Values (C,M,MMR)
HUMA 101	Introduction to the Humanities I (C,M,MMR)	PHIL 103	Historical Introduction to Philosophy (M)
HUMA 102	Introduction to the Humanities II (C,M,MMR)	PHIL 104A	History Of Western Philosophy: Ancient to Medieval (C,M,MMR)
HUMA 103	Introduction to the New Testament(C,M)	PHIL 104B	History of Western Philosophy: Modern to Contemporary (C,M)
HUMA 104	Introduction to the Old Testament (M)	PHIL 105	Contemporary Philosophy (C,M)
HUMA 106	World Religions (C,M,MMR)	PHIL 106	Asian Philosophy (C,M)
HUMA 118	Eastern Humanities (M)	PHIL 107	Reflections on Human Nature (C,M,MMR)
HUMA 119	Western Humanities (M)	* PHIL 108	Perspectives on Human Nature and Society (C,M)
HUMA 201	Mythology (C,M,MMR)	PHIL 110	Philosophy of Religion (M)
HUMA 202	Mythology: Hero's Journey (C)	PHIL 111	Philosophy In Literature and Other Fiction (C,M)
HUMA 205	Exploring Human Values Through Film (M)	PHIL 112	Philosophy of Science (M)
HUMA 210	Women in Religion and Myth (M)	^* PHIL 125	Philosophy of Women (C,M)
^ INTE 125	History of Furniture and Interiors (M)	PHIL 130	Philosophy of Art and Music (C,M)
ITAL 101	First Course in Italian (C,M)	PHIL 131	Environmental Ethics (C,M,MMR)
ITAL 102	Second Course in Italian (C,M)	PHOT 150	History of Photography (C)
ITAL 201	Third Course in Italian (C,M)	RUSS 101	First Course in Russian (C,M)
JAPN 101	First Course in Japanese (M)	RUSS 102	Second Course in Russian (C,M)
JAPN 102	Second Course in Japanese (M)	RUSS 201	Third Course in Russian (M)
JAPN 201	Third Course in Japanese (M)	SPAN 101	First Course in Spanish (C,M,MMR)
JAPN 202	Fourth Course in Japanese (M)	SPAN 102	Second Course in Spanish (C,M,MMR)
MULT 116	Unity Game Development (M)	SPAN 201	Third Course in Spanish (C,M,MMR)
MUSI 100	Introduction to Music (C,M,MMR)	SPAN 202	Fourth Course in Spanish (C,M,MMR)
MUSI 103	History of Rock Music (C,M,MMR)	SPAN 215	Spanish for Spanish Speakers I (C,M)
^ MUSI 109	World Music (C,M,MMR)	SPAN 216	Spanish for Spanish Speakers II (C,M)
MUSI 111	Jazz History (C,M,MMR)	SPAN 221	Hispanic Literature for Spanish Speakers (M)
MUSI 114	Music of The Beatles (M)	SPAN 222	Hispanic Culture and Civilization for Spanish Speakers (M)
MUSI 117	Music in the United States (M)	TAGA 101	First Course in Tagalog (MMR)
MUSI 118	Asian & Pacific Music (M)	TAGA 102	Second Course in Tagalog (MMR)
MUSI 119	Music in Latin America & North America (M)	TAGA 201	Third Course in Tagalog (MMR)
MUSI 125	Music, the Arts, and Society (M)		
MUSI 126	Rap Music and Hip Hop Culture (M)		
MUSI 131	Music of California (M)		
MUSI 138	Women in Music (M)		

VIET 101	First Course in Vietnamese (M)
VIET 102	Second Course in Vietnamese (M)
VIET 201	Third Course in Vietnamese (M)

#### (4) Social and Behavioral Sciences

(minimum of 3 semester / 4 quarter units)

*^	AAPI 124	Introduction to Asian American Studies and Pacific Islander Studies (C,M,MMR)	^	BLAS 135	Introduction to Black Politics (C)
*^	<b>AAPI 125</b>	<b>Asian American and Pacific Islander Identities and Cultures (M)</b>	^	BLAS 140A	African American History to Reconstruction (C,M,MMR)
^	<b>AAPI 130</b>	<b>Asian American and Pacific Islander Women (M)</b>	^	BLAS 140B	African American History since Reconstruction to the Present (C,M,MMR)
	ADJU 101	Introduction to Administration of Justice (C,MMR)	^	BLAS 145A	Introduction to African History (C,M)
^	ADJU 106	Diversity and Community Relations (MMR)	^	BLAS 145B	Introduction to African History (C,M)
	ADJU 230	Constitutional Law I (MMR)		BLAS 165	Sexuality and Black Culture (C,M)
	AGRI 100	Principles of Sustainable Agriculture (C)		BLAS 175	Psycho-History of Racism and Sexism (M)
^	AMSL 150	Introduction to Deaf Culture (M)		BUSE 100	Introduction to Business (C,M,MMR)
^	ANTH 103	Introduction to Cultural Anthropology (C,M,MMR)		BUSE 140	Business Law and the Legal Environment (C,M,MMR)
	ANTH 107	Introduction to Archaeology (C,M,MMR)	^*	CHIC 110A	Introduction to Chicana and Chicano Studies (C,M,MMR)
	ANTH 110	Anthropology of Magic, Witchcraft, and Religion (C,M)	^*	CHIC 110B	Introduction to Chicano Studies (C,M)
	ANTH 117	Anthropology of Gender and Sexuality (M)	^	CHIC 140	Chicana/o Sociology (C,M)
	ANTH 140	Primatology (C,M)	^	CHIC 141A	United States History from a Chicano Perspective (C,M,MMR)
^	ANTH 200	Introduction to North American Indians (M)	^	CHIC 141B	United States History from a Chicano Perspective (C,M,MMR)
	ANTH 205	Introduction to Medical Anthropology (M)		CHIC 150	History of Mexico (C,M)
^	ANTH 210	Introduction to California Indians (C,M)	^	CHIC 155	Introduction to Central American Studies (M)
	ANTH 215	Cultures of Latin America (C,M)		CHIC 170	La Chicana (C,M,MMR)
^*	BLAS 100	Introduction to Black Studies (C,M,MMR)		CHIC 201	The Indigenous Tradition of Mexico and Ancient Mesoamerica (C,M)
^	BLAS 104	Black Psychology (C,M,MMR)	^*	CHIC 210	Chicano Culture (C,M)
^	BLAS 115	Sociology from a Black Perspective (C)		CHIL 101	Human Growth and Development (C,M,MMR)
^	BLAS 116	Contemporary Social Problems from a Black Perspective (C,M)		CHIL 103	Lifespan Growth and Development (MMR)
^	BLAS 125	Dynamics of the Black Community (M)	^	CHIL 141	The Child, Family and Community (C,M,MMR)
^	BLAS 130	The Black Family (C,M)		COMS 201	Communication and Community (C,MMR)
				CRES 101	Conflict Resolution and Mediation (C)
				<b>DSST 101</b>	<b>Introduction to Disability Studies (C)</b>
				ECON 120	Principles of Macroeconomics (C,M,MMR)
				ECON 121	Principles of Microeconomics (C,M,MMR)

	ECON 220	Economics of the Environment (C,M)		HUMS 101	Introduction to Human Aging (C)
^	ENGL 202	Introduction to Linguistics (C,M)		JOUR 202	Introduction to Mass Communication (C,M,MMR)
^*	FILI 100	Filipino American Experience (M,MMR)	^	NUTR 153	Cultural Foods (M)
	FJMP 101	Introduction to Mass Media (C)		PADM 110	Introduction to Law and Society (C,M)
^	GEND 101	Introduction to Gender Studies (C,MMR)		PADM 200	Introduction to Public Administration (C,MMR)
^	GEOG 102	Cultural Geography (C,M,MMR)		PEAC 101	Introduction to Peace Studies (C)
	GEOG 104	World Regional Geography (C,M,MMR)	*	PHIL 108	Perspectives on Human Nature and Society (C,M)
	GEOG 154	Introduction to Urban Geography (C,M)		PHIL 109	Issues in Social Philosophy (M)
*	HIST 100	World History I (C,M,MMR)	^*	PHIL 125	Philosophy of Women (C,M)
*	HIST 101	World History II (C,M,MMR)		PHIL 126	Introduction to Philosophy of Contemporary Gender Issues (C,M)
*	HIST 105	Introduction to Western Civilization I (C,M,MMR)		POLI 101	Introduction to Political Science (C,M,MMR)
	HIST 106	Introduction to Western Civilization II (C,M,MMR)		POLI 102	Introduction to American Government (C,M,MMR)
	HIST 109	History of the United States I (C,M,MMR)	^	POLI 103	Comparative Politics (C,M,MMR)
	HIST 110	History of the United States II (C,M,MMR)	^	POLI 121	American Political Development (C,M,MMR)
^	HIST 115A	History of the Americas I (C,M,MMR)		POLI 123	Gender and Politics (M)
^	HIST 115B	History of the Americas II (C,M,MMR)		POLI 124	Power and Justice: An Introduction to Political Theory (C,M)
^*	HIST 120	Introduction to Asian Civilization (C,M,MMR)	^	POLI 140	Contemporary International Politics (C,M,MMR)
^*	HIST 121	Asian Civilizations in Modern Times (C,M,MMR)		PSYC 101	General Psychology (C,M,MMR)
^*	HIST 123	U.S. History from the Asian Pacific American Perspective (C,M, MMR)		PSYC 111	Psychological /Social Aspects of Aging, Death and Dying (C,M)
^	HIST 130	The Modern Middle East (M)		<b>PSYC 112</b>	<b>Interpersonal Relations (M)</b>
*	HIST 131	Latin America Before Independence (M)		PSYC 121	Introduction to Child Psychology (M)
*	HIST 132	Latin America Since Independence (M)		PSYC 123	Adolescent Psychology (C,MMR)
	HIST 135	History of Technology (M)		PSYC 133	Psychology of Women (M,MMR)
	HIST 141	Women in United States History I (M,MMR)		PSYC 135	Marriage and Family Relations (C,M,MMR)
	HIST 142	Women in United States History II (M,MMR)		PSYC 137	Human Sexual Behavior (C,M,MMR)
^	HIST 150	Native Americans in United States History I (M)		PSYC 155	Introduction to Personality (C,M,MMR)
^	HIST 151	Native Americans in United States History II (M)		PSYC 166	Introduction to Social Psychology (C,M,MMR)
	HIST 154	Ancient Egypt (M)		PSYC 211	Learning (C,M,MMR)
	HIST 175	California History (M)			

	PSYC 230	Psychology of Lifespan Development (C,M,MMR)		BIOL 101	Issues in Environmental Science & Sustainability (C, MMR)
	PSYC 245	Abnormal Psychology (C,M,MMR)		BIOL 107	General Biology- Lecture and Laboratory (C,M,MMR)
	PSYC 283	Introduction to Cognitive Psychology (C,M,MMR)		BIOL 110	Introduction to Oceanography (C,M)
^	SOCO 101	Principles of Sociology (C,M,MMR)		BIOL 111	Cancer Biology (C)
^	SOCO 110	Contemporary Social Problems (C,M,MMR)		BIOL 115	Marine Biology (C,M,MMR)
^	SOCO 125	Sociology of the Family (C,M)		BIOL 120	The Environment of Man (M)
	SOCO 145	Health and Society (C,M,MMR)		BIOL 130	Introduction to Biotechnology (MMR)
^	SOCO 150	Sociology of Latinos/Latinas (C,M)		BIOL 131	Introduction to Biotechnology (MMR)
	SOCO 201	Advanced Principles of Sociology (C,M,MMR)		BIOL 135	Biology of Human Nutrition (C,MMR)
^	SOCO 207	Introduction to Race and Ethnicity (C,M,MMR)		BIOL 160	Elements of Human Anatomy & Physiology - (M,MMR)
	SOCO 220	Introduction to Research Methods in Sociology (C,M,MMR)		BIOL 180	Plants and People (C,M,MMR)
^	SOCO 223	Globalization and Social Change (C,M,MMR)		BIOL 205	General Microbiology (C,M,MMR)
	SUST 101	Introduction to Sustainability (C,M,MMR)		BIOL 210A	Introduction to the Biological Sciences I (C,M,MMR)
^	WMNS 101	Introduction to Gender and Women's Studies (M)		BIOL 210B	Introduction to the Biological Sciences II (C,M,MMR)
				BIOL 215	Introduction to Zoology (M)
				BIOL 230	Human Anatomy (C,M,MMR)
				BIOL 235	Human Physiology (C,M,MMR)
				BIOL 250	Introduction to Botany (M)
				CHEM 100	Fundamentals of Chemistry (C,M,MMR)
				CHEM 100L	Fundamentals of Chemistry - Laboratory (C,M,MMR)
				CHEM 103	General, Organic, and Biological Chemistry (M,MMR)
				CHEM 111	Chemistry in Society (C,M,MMR)
				CHEM 111L	Chemistry and Society Laboratory (C,M)
				CHEM 130	Introduction to Organic & Biological Chemistry (C,M,MMR)
				CHEM 130L	Introduction to Organic & Biological Chemistry (C,M,MMR)
				CHEM 152	Introduction to General Chemistry (C,M,MMR)
				CHEM 152L	Introduction to General Chemistry (C,M,MMR)
				CHEM 160	Introductory Biochemistry (M,MMR)
				CHEM 200	General Chemistry

## (5) Natural Sciences

(minimum of 3 semester / 4 quarter units)

	AGRI 107	Introduction to Agricultural Plant Science (C)			
	AGRI 125	Introduction to Soil Science (C)			
	ANTH 102	Introduction to Biological Anthropology (C,M,MMR)			
	ANTH 104	Laboratory in Biological Anthropology (C,M,MMR)			
	<b>ANTH 109</b>	<b>Practice in Observing – Laboratory (C,M,MMR)</b>			
	ASTR 101	Descriptive Astronomy (C,M,MMR)			
	ASTR 102	Exploring the Solar System and Life Beyond The Earth (C,M,MMR)			
	ASTR 109	Practice in Observing - Laboratory (C,M,MMR)			
	ASTR 111	Astronomy Laboratory (C,M,MMR)			
	AVIA 115	Aviation Weather (MMR)			
	BIOL 100	Natural History – Environmental (M,MMR)			



The following is added to/replaces the information on pages 126-132:

## The IGETC Pattern

- () Colleges in parenthesis indicate where the course is approved for IGETC Requirements.  
C—City College  
M—Mesa College  
MMR—Miramar College
- \* Courses with asterisks are listed in more than one area but shall not be certified in more than one area.
- + Courses with pluses indicate transfer credit may be limited by either UC or CSU, or both. Please consult a counselor for additional information.
- @ Courses with @ symbols indicate CSU-only requirements.

## Area 1—English Communication

2–3 courses, 6–9 semester/8–12 quarter units

### Group A: English Composition

1 course, 3 semester/4–5 quarter units

- ENGL 101 Reading and Composition (C,M,MMR)  
OR  
ENGL 105 Composition and Literature (C,M,MMR)

### Group B: Critical Thinking - English Composition

1 course, 3 semester/4–5 quarter units

Courses must have English Composition as a prerequisite

- ENGL 205 Critical Thinking and Intermediate Composition (C,M,MMR)  
HIST 205 Methodology and Practice in History (M)  
PHIL 205 Critical Thinking and Writing in Philosophy (C,M,MMR)

### Group C: Oral Communication

1 course, 3 semester/4–5 quarter units

- @ COMS 103 Oral Communication (C,M,MMR)  
@ \* COMS 135 Interpersonal Communication (C,M,MMR)

- @ COMS 160 Argumentation and Critical Thinking (C,M,MMR)  
@ COMS 170 Small Group Communication (C,M,MMR)

## Area 2A—Mathematical Concepts and Quantitative Reasoning

1 course, 3 semester/4–5 quarter units

Courses must have Intermediate Algebra as a prerequisite.

- + BIOL 200 Biological Statistics (M,MMR)  
+ BUSE 115 Statistics for Business (C,M,MMR)  
CISC 246 Discrete Mathematics for Computer Science (M,MMR)  
+ MATH 115 Gateway to Experimental Statistics (C)  
+ MATH 116 College and Matrix Algebra (C,M,MMR)  
+ MATH 119 Elementary Statistics (C,M,MMR)  
+ MATH 121 Basic Techniques of Applied Calculus I (C,M,MMR)  
+ MATH 122 Basic Techniques of Calculus II (C,M,MMR)  
+ MATH 141 Precalculus (C,M,MMR)  
+ MATH 150 Calculus with Analytic Geometry I (C,M,MMR)  
+ MATH 151 Calculus with Analytic Geometry II (C,M,MMR)  
MATH 245 Discrete Mathematics (C,M,MMR)  
MATH 252 Calculus with Analytic Geometry III (C,M,MMR)  
MATH 254 Introduction to Linear Algebra (C,M,MMR)  
MATH 255 Differential Equations (C,M,MMR)  
+ POLI 201 Elementary Statistics for Political Science (C,M)  
+ PSYC 258 Behavioral Science Statistics (C,M,MMR)

## Area 3—Arts and Humanities

3 courses, 9 semester/12–15 quarter units

At least one course from the Arts and one from the Humanities.

### 3A: Arts Courses

- ARTF 100 Art Orientation (C,M,MMR)  
ARTF 106 Art of the United States: Colonial to Modern Period (M)  
ARTF 107 Contemporary Art (M,MMR)



ENGL 215	English Literature I: 800–1799 (C,M,MMR)	JAPN 202	Fourth Course in Japanese (M)
ENGL 216	English Literature II: 1800–Present (C,M,MMR)	PHIL 102A	Introduction to Philosophy: Reality & Knowledge (C,M,MMR)
ENGL 220	Masterpieces of World Literature I: 1500 BCE–1600 CE (C,M,MMR)	PHIL 102B	Introduction to Philosophy: Values (C,M,MMR)
ENGL 221	Masterpieces of World Literature II: 1600–Present (C,M,MMR)	PHIL 103	Historical Introduction to Philosophy (M)
ENGL 230	Asian American Literature (M,MMR)	PHIL 104A	History Of Western Philosophy: Ancient to Medieval (C,M,MMR)
ENGL 234	Hip Hop Literature: A Poetry Class (C,M,MMR)	PHIL 104B	History of Western Philosophy: Modern to Contemporary (C,M)
ENGL 237	Women in Literature (C,M,MMR)	PHIL 105	Contemporary Philosophy (C,M)
ENGL 240	Shakespeare (C,M)	PHIL 106	Asian Philosophy (C,M)
FREN 102	Second Course in French (C,M)	PHIL 107	Reflections on Human Nature (C,M,MMR)
FREN 201	Third Course in French (C,M)	PHIL 108	Perspectives on Human Nature & Society (C,M)
FREN 202	Fourth Course in French (C,M)	PHIL 110	Philosophy of Religion (M)
GERM 102	Second Course in German (C,M)	PHIL 111	Philosophy In Literature and Other Fiction (C,M)
GERM 201	Third Course in German (C,M)	PHIL 112	Philosophy of Science (M)
* HIST 100	World History I (C,M,MMR)	PHIL 125	Philosophy of Women (C,M)
* HIST 101	World History II (C,M,MMR)	* PHIL 126	Introduction to Philosophy of Contemporary Gender Issues (C,M)
* HIST 105	Introduction to Western Civilization I (C,M,MMR)	PHIL 130	Philosophy of Art and Music (C,M)
* HIST 106	Introduction to Western Civilization II (C,M,MMR)	PHIL 131	Environmental Ethics (C,M,MMR)
* HIST 120	Introduction to Asian Civilizations (C,M,MMR)	RUSS 102	Second Course in Russian (C,M)
* HIST 121	Asian Civilizations in Modern Times (C,M,MMR)	RUSS 201	Third Course in Russian (M)
* HIST 131	Latin America Before Independence (M)	+ SPAN 102	Second Course in Spanish (C,M,MMR)
* HIST 132	Latin America Since Independence (M)	+ SPAN 201	Third Course in Spanish (C,M,MMR)
HUMA 101	Introduction to the Humanities I (C,M,MMR)	SPAN 202	Fourth Course in Spanish (C,M,MMR)
HUMA 102	Introduction to the Humanities II (C,M,MMR)	SPAN 215	Spanish for Spanish Speakers I (C,M)
HUMA 103	Introduction to the New Testament (C,M)	SPAN 216	Spanish for Spanish Speakers II (C,M)
HUMA 104	Introduction to the Old Testament (M)	SPAN 221	Hispanic Literature for Spanish Speakers (M)
HUMA 106	World Religions (C,M,MMR)	SPAN 222	Hispanic Culture and Civilization for Spanish Speakers (M)
HUMA 118	Eastern Humanities (M)	TAGA 102	Second Course in Tagalog (MMR)
HUMA 119	Western Humanities (M)	TAGA 201	Third Course in Tagalog (MMR)
HUMA 201	Mythology (C,M,MMR)	VIET 102	Second Course in Vietnamese (M)
HUMA 205	Exploring Human Values through Film (M)	VIET 201	Third Course in Vietnamese (M)
HUMA 210	Women in Religion and Myth (M)		
ITAL 102	Second Course in Italian (C,M)		
ITAL 201	Third Course in Italian (C,M)		
JAPN 102	Second Course in Japanese (M)		
JAPN 201	Third Course in Japanese (M)		

## Area 4—Social and Behavioral Sciences

**3 courses, 9 semester/12–15 quarter units**  
Courses from at least two disciplines or an interdisciplinary sequence.

#### 4: Social and Behavioral Sciences

* AAPI 124	Introduction to Asian American and Pacific Islander Studies (C,M,MMR)	CHIC 140	Chicana/o Sociology (C,M)
* <b>AAPI 125</b>	<b>Asian American and Pacific Islander Identities and Cultures (M)</b>	+ CHIC 141A	United States History From a Chicano Perspective (C,M,MMR)
* <b>AAPI 130</b>	<b>Asian American and Pacific Islander Women (M)</b>	+ CHIC 141B	United States History From a Chicano Perspective (C,M,MMR)
ADJU 101	Introduction to Administration of Justice (C,MMR)	CHIC 150	History of Mexico (C,M)
ADJU 230	Constitutional Law I (MMR)	CHIC 155	Introduction to Central American Studies (M)
AGRI 100	Principles of Sustainable Agriculture (C)	CHIC 170	La Chicana (C,M,MMR)
* AMSL 150	Introduction to Deaf Culture (M)	CHIC 201	The Indigenous Tradition of Mexico and Ancient Mesoamerica (C,M)
ANTH 103	Introduction to Cultural Anthropology (C,M,MMR)	* CHIC 210	Chicano Culture (C,M)
ANTH 106	World Prehistory (C,M)	+ CHIL 101	Human Growth and Development (C,M,MMR)
ANTH 107	Introduction to Archaeology (C,M,MMR)	+ CHIL 103	Lifespan Growth and Development (MMR)
ANTH 110	Anthropology of Magic, Witchcraft, and Religion (C,M)	* COMS 135	Interpersonal Communication (C,M,MMR)
ANTH 117	Anthropology of Gender and Sexuality (M)	COMS 201	Communication and Community (C,MMR)
ANTH 140	Primatology (C,M)	CRES 101	Conflict Resolution and Mediation (C)
ANTH 200	Introduction to North American Indians (M)	<b>DSST 101</b>	<b>Introduction to Disability Studies (C)</b>
ANTH 210	Introduction to the Indigenous People of California (C,M)	ECON 120	Principles of Macroeconomics (C,M,MMR)
ANTH 215	Cultures of Latin America (C,M)	ECON 121	Principles of Microeconomics (C,M,MMR)
* ARTF 108	Women in Art (M)	ECON 220	Economics of the Environment (C,M)
* BLAS 100	Introduction to Black Studies (C,M,MMR)	ENGL 202	Introduction to Linguistics (C,M)
+ BLAS 104	Black Psychology (C,M,MMR)	* FILI 100	Filipino American Experience (M,MMR)
+ BLAS 115	Sociology from a Black Perspective (C)	FJMP 101	Introduction to Mass Media (C)
BLAS 116	Contemporary Social Problems From a Black Perspective (C,M)	GEND 101	Introduction to Gender Studies (C,MMR)
BLAS 125	Dynamics of the Black Community (M)	GEOG 102	Cultural Geography (C,M,MMR)
BLAS 130	The Black Family (C,M)	GEOG 104	World Regional Geography (C,M,MMR)
BLAS 135	Introduction to Black Politics (C)	GEOG 154	Introduction to Urban Geography (C,M)
+* BLAS 140A	African American History to Reconstruction (C,M,MMR)	* HEAL 103	Introduction to Public Health (C,M)
+* BLAS 140B	African American History since Reconstruction to the Present (C,M,MMR)	HEAL 104	Public Health and Social Justice (M)
* BLAS 145A	Introduction to African History (C,M)	* HIST 100	World History I (C,M,MMR)
* BLAS 145B	Introduction to African History (C,M)	* HIST 101	World History II (C,M,MMR)
BLAS 175	Psycho-History of Racism and Sexism (M)	* HIST 105	Introduction to Western Civilization I (C,M,MMR)
* CHIC 110A	Introduction to Chicana and Chicano Studies (C,M,MMR)	* HIST 106	Introduction to Western Civilization II (C,M,MMR)
* CHIC 110B	Introduction to Chicano Studies (C,M)	+ HIST 109	History of the United States I (C,M,MMR)
		+ HIST 110	History of the United States II (C,M,MMR)
		HIST 115A	History of the Americas I (C,M,MMR)
		HIST 115B	History of the Americas II (C,M,MMR)

* HIST 120	Introduction to Asian Civilizations (C,M,MMR)	PSYC 133	Psychology of Women (M,MMR)
* HIST 121	Asian Civilizations in Modern Times (C,M,MMR)	PSYC 135	Marriage and Family Relations (C,M,MMR)
HIST 123	U.S. History from the Asian Pacific American Perspective (C,M,MMR)	+ PSYC 137	Human Sexual Behavior (C,M,MMR)
HIST 130	The Modern Middle East (M)	PSYC 155	Introduction to Personality (C,M,MMR)
* HIST 131	Latin America Before Independence (M)	PSYC 166	Introduction to Social Psychology (C,M,MMR)
* HIST 132	Latin America Since Independence (M)	PSYC 211	Learning (C,M,MMR)
HIST 135	History of Technology (M)	PSYC 230	Psychology of Lifespan Development (C,M,MMR)
+ HIST 141	Women in United States History I (M,MMR)	PSYC 245	Abnormal Psychology (C,M,MMR)
+ HIST 142	Women in United States History II (M,MMR)	PSYC 283	Introduction to Cognitive Psychology (C,M,MMR)
+ HIST 150	Native Americans in United States History I (M)	RTVF 101	Media Law and Ethics (C)
+ HIST 151	Native Americans in United States History II (M)	+ SOCO 101	Principles of Sociology (C,M,MMR)
HIST 154	Ancient Egypt (M)	SOCO 110	Contemporary Social Problems (C,M,MMR)
HIST 175	California History (M)	SOCO 125	Sociology of the Family (C,M)
JOUR 202	Introduction to Mass Communication (C,M,MMR)	SOCO 145	Health and Society (C,M,MMR)
LABR 100	American Labor Movement (C)	SOCO 150	Sociology of Latinos/Latinas (C,M)
NUTR 153	Cultural Foods (C,M,MMR)	SOCO 201	Advanced Principles of Sociology (C,M,MMR)
PADM 110	Introduction to Law and Society (C,M)	SOCO 207	Introduction to Race and Ethnicity (C,M,MMR)
PADM 200	Introduction to Public Administration (C,MMR)	SOCO 220	Introduction to Research Methods in Sociology (C,M,MMR)
PEAC 101	Introduction to Peace Studies (C)	SOCO 223	Globalization and Social Change (C,M,MMR)
PHIL 109	Issues in Social Philosophy (M)	SPAN 222	Hispanic Culture and Civilization for Spanish Speakers (M)
* PHIL 126	Introduction to Philosophy of Contemporary Gender Issues (C,M)	SUST 101	Introduction to Sustainability (C,M,MMR)
POLI 101	Introduction to Political Science (C,M,MMR)	WNNS 101	Introduction to Gender and Women's Studies (M)
POLI 102	Introduction to American Government (C,M,MMR)		
POLI 103	Comparative Politics (C,M,MMR)		
POLI 121	American Political Development (C,M,MMR)		
POLI 123	Gender and Politics (M)		
POLI 124	Power and Justice: An Introduction to Political Theory (C,M)		
POLI 140	Contemporary International Politics (C,M,MMR)		
+ PSYC 101	General Psychology (C,M,MMR)		
PSYC 111	Psychological/Social Aspects of Aging, Death and Dying (C,M)		
<b>PSYC 112</b>	<b>Interpersonal Relations (M)</b>		
+ PSYC 121	Introduction to Child Psychology (M)		
+ PSYC 123	Adolescent Psychology (C,MMR)		

## Area 5—Physical and Biological Sciences

**At least 2 courses required, 7–9 semester/9–12 quarter units.**

One Physical Science course and one Biological Science course; at least one must include a laboratory.

- One course in 5A (underlined courses include a lab component)
- One course in 5B (underlined courses include a lab component)
- One of the courses selected to fulfill the requirement for 5A or 5B must include a

laboratory component or a separate course must be taken from 5C. If a separate laboratory course is taken from 5C, it must match one of the two lecture courses taken from 5A or 5B.

- + PHYS 196 Electricity and Magnetism (C,M,MMR)
- + PHYS 197 Waves, Optics and Modern Physics (C,M,MMR)

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### 5A: Physical Science Courses

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- AGRI 125 Introduction to Soil Science (C)
- ASTR 101 Descriptive Astronomy (C,M,MMR)
- + ASTR 102 Exploring The Solar System and Life Beyond The Earth (C,M,MMR)
- AVIA 115 Aviation Weather (MMR)
- + CHEM 100 Fundamentals of Chemistry (C,M,MMR)
- CHEM 103 General, Organic, and Biological Chemistry (M,MMR)
- CHEM 111 Chemistry in Society (C,M,MMR)
- + CHEM 130 Introduction to Organic & Biological Chemistry (C,M,MMR)
- + CHEM 152 Introduction to General Chemistry (C,M,MMR)
- CHEM 160 Introductory Biochemistry (M,MMR)
- CHEM 200 General Chemistry I - Lecture (C,M,MMR)
- CHEM 201 General Chemistry II - Lecture (C,M,MMR)
- + CHEM 231 Organic Chemistry I - Lecture (C,M,MMR)
- CHEM 233 Organic Chemistry II - Lecture (C,M,MMR)
- CHEM 251 Quantitative Analytical Chemistry (C,M,MMR)
- GEOG 101 Physical Geography (C,M,MMR)
- GEOL 100 Physical Geology (C,M,MMR)
- GEOL 104 Earth Science (C,M,MMR)
- GEOL 111 Dinosaurs, Mass Extinctions, and Earth History (C,M,MMR)
- GEOL 130 Field Geology of San Diego County (C,M,MMR)
- OCEA 101 The Oceans (M,MMR)
- + PHYN 100 Survey of Physical Science (C,M,MMR)
- PHYN 105 Physical Science for Elementary Education (M)
- PHYN 114 Weather and Climate (C,M,MMR)
- + PHYS 100 Introductory Physics (C,M)
- + PHYS 125 General Physics (C,M,MMR)
- + PHYS 126 General Physics II (C,M,MMR)
- + PHYS 180A General Physics I (C,M,MMR)
- + PHYS 180B General Physics II (C,M,MMR)
- + PHYS 195 Mechanics (C,M,MMR)

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### 5B: Biological Science Courses

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- AGRI 107 Introduction to Agricultural Plant Science (C)
- ANTH 102 Introduction to Biological Anthropology (C,M,MMR)
- + BIOL 100 Natural History Environmental Biology (M,MMR)
- BIOL 101 Issues in Environmental Science & Sustainability (C,MMR)
- + BIOL 107 General Biology - Lecture and Lab (C,M,MMR)
- BIOL 110 Introduction to Oceanography (M)
- BIOL 115 Marine Biology (M,MMR)
- + BIOL 120 The Environment of Man (M)
- BIOL 130 Human Heredity (C,M,MMR)
- BIOL 131 Introduction to Biotechnology (MMR)
- + BIOL 180 Plants and People (C,M,MMR)
- BIOL 205 General Microbiology (C,M,MMR)
- BIOL 210A Introduction to the Biological Sciences I (C,M,MMR)
- BIOL 210B Introduction to the Biological Sciences II (C,M,MMR)
- + BIOL 215 Introduction to Zoology (M)
- BIOL 230 Human Anatomy (C,M,MMR)
- BIOL 235 Human Physiology (C,M,MMR)
- + BIOL 250 Introduction to Botany (M)
- PSYC 260 Introduction to Physiological Psychology (C,M,MMR)

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### 5C: Science Laboratory

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- ANTH 104 Laboratory in Biological Anthropology (C,M,MMR)
- + ASTR 109 Practice in Observing Lab (C,M,MMR)
- + ASTR 111 Astronomy Lab (C,M,MMR)
- + CHEM 100L Fundamentals of Chemistry Lab (C,M,MMR)
- + CHEM 111L Chemistry in Society Laboratory (C,M)
- + CHEM 130L Introduction to Organic & Biological Chemistry Lab (C,M,MMR)
- + CHEM 152L Introduction to General Chemistry Lab (C,M,MMR)
- CHEM 200L General Chemistry I - Lab (C,M,MMR)
- CHEM 201L General Chemistry II - Lab (C,M,MMR)

- + CHEM 231L Organic Chemistry I - Lab (C,M,MMR)
- CHEM 233L Organic Chemistry II - Lab (C,M,MMR)
- GEOG 101L Physical Geography Lab (C,M,MMR)
- GEOL 101 Physical Geology Lab (C,M,MMR)
- GEOL 120 Earth Science Laboratory (C,M)
- + PHYN 101 Survey of Physical Science Lab (C,M)
- + PHYS 181A General Physics Lab I (C,M,MMR)
- + PHYS 181B General Physics Lab II (C,M,MMR)

**PSYC 260L Introduction to Physiological Psychology Laboratory (M)**

## Area 6—Languages other than English

UC Requirement Only. In order to complete IGETC for the University of California system, students are required to demonstrate competence/proficiency in a language other than English equal to two years of high school study. Competence may be demonstrated through the following mechanisms:

1. In a high school where the language of instruction is English, completion of the second level of high school coursework in a language other than English with a letter grade of "C-" or better in the second semester of the second year.
2. Completion of a course or courses at a college or university, with a grade of "C" or better in each course. Usually, one semester of college work in a language other than English is equivalent to two years of high school work.

Any one of the following course or courses completed with a grade of "C" or better, will fulfill the requirement.

### 6A: Languages Other Than English

- AMSL 120 American Sign Language Level I (C,M,MMR)
- AMSL 121 American Sign Language Level II (C,M,MMR)
- AMSL 220 American Sign Language Level III (C,M)
- AMSL 221 American Sign Language Level IV (C,M)
- ARAB 101 First Course in Arabic (C)
- ARAB 102 Second Course in Arabic (C)
- ARAB 201A Third Course in Arabic (C)
- CHIN 101 First Course in Mandarin Chinese (M)
- CHIN 102 Second Course in Mandarin Chinese (M)
- CHIN 201 Third Course in Mandarin Chinese (M)

- CHIN 202 Fourth Course in Mandarin Chinese (M)
- FREN 101 First Course in French (C,M)
- FREN 102 Second Course in French (C,M)
- FREN 201 Third Course in French (C,M)
- FREN 202 Fourth Course in French (C,M)
- GERM 101 First Course in German (C,M)
- GERM 102 Second Course in German (C,M)
- GERM 201 Third Course in German (C,M)
- ITAL 101 First Course in Italian (C,M)
- ITAL 102 Second Course in Italian (C,M)
- ITAL 201 Third Course in Italian (C,M)
- JAPN 101 First Course in Japanese (M)
- JAPN 102 Second Course in Japanese (M)
- JAPN 201 Third Course in Japanese (M)
- JAPN 202 Fourth Course in Japanese (M)
- RUSS 101 First Course in Russian (C,M)
- RUSS 102 Second Course in Russian (C,M)
- RUSS 201 Third Course in Russian (M)
- + SPAN 101 First Course in Spanish (C,M,MMR)
- + SPAN 102 Second Course in Spanish (C,M,MMR)
- + SPAN 201 Third Course in Spanish (C,M,MMR)
- + SPAN 202 Fourth Course in Spanish (C,M,MMR)
- SPAN 215 Spanish for Spanish Speakers I (C,M)
- SPAN 216 Spanish for Spanish Speakers II (C,M)
- TAGA 101 First Course in Tagalog (MMR)
- TAGA 102 Second Course in Tagalog (MMR)
- TAGA 201 Third Course in Tagalog (MMR)
- VIET 101 First Course in Vietnamese (M)
- VIET 102 Second Course in Vietnamese (M)
- VIET 201 Third Course in Vietnamese (M)

## Area 7—Ethnic Studies

Three Semester Units (4 quarter units).

### 7: Ethnic Studies

- \* **AAPI 124 Introduction to Asian American and Pacific Islander Studies (C,M,MMR)**
- \* **AAPI 125 Asian American and Pacific Islander Identities and Cultures (M)**
- \* **AAPI 130 Asian American and Pacific Islander Women (M)**

*	BLAS 100	Introduction to Black Studies (C,M,MMR)
+*	<b>BLAS 140A</b>	<b>African American History to Reconstruction (C,M,MMR)</b>
+*	<b>BLAS 140B</b>	<b>African American History since Reconstruction to the Present (C,M,MMR)</b>
*	CHIC 110A	Introduction to Chicana and Chicano Studies (C,M,MMR)
*	CHIC 110B	Introduction to Chicana and Chicano Studies (C,M)
*	FILI 100	Filipino American Experience (M,MMR)

The following is added to/replaces the information on page 134-141:

## The CSUGE-Breadth Pattern (Option 2)

The following information is based on the 2024–2025 agreement and is distributed as follows:

- () Colleges in parenthesis indicate where the course is approved for CSUGE-B Requirements.  
 C—City College  
 M—Mesa College  
 MMR—Miramar College
- \* Courses with asterisks are listed in more than one area but shall not be certified in more than one area.
- # Courses with the number sign are listed more than once in the same area, but will only be used for certification once.

**Please note:** Courses required in Oral Communication (Area A1), Written Communication (Area A2), Critical Thinking (Area A3), and Mathematics and Quantitative Reasoning (Area B4) must be completed with grades of “C” or better for admission to most CSU campuses and CSUGE-Breadth Certification. *For additional information, consult a counselor.*

## Area A. English Language Communication and Critical Thinking:

*No fewer than nine semester units (12–15 quarter units) including one course in A1, one course in A2, and one course in A3.*

### A1: Oral Communication

	COMS 103	Oral Communication (C,M,MMR)
*	COMS 135	Interpersonal Communication (C,M,MMR)
	COMS 170	Small Group Communication (C,M,MMR)

### A2: Written Communication

	ENGL 101	Reading and Composition (C,M,MMR)
	ENGL 105	Composition and Literature (C,M,MMR)

### A3: Critical Thinking

	COMS 160	Argumentation and Critical Thinking (C,M,MMR)
	ENGL 205	Critical Thinking and Intermediate Composition (C,M,MMR)
	HIST 205	Methodology and Practice in History (M)
	PHIL 100	Logic and Critical Thinking (C,M,MMR)
*	PHIL 103	Historical Introduction to Philosophy (M)
	PHIL 205	Critical Thinking and Writing in Philosophy (C,M,MMR)

## Area B. Scientific Inquiry and Quantitative Reasoning:

*No fewer than nine semester units (12–15 quarter units) Including:*

- One course in B1 (underlined courses include a lab component)
- One course in B2 (underlined courses include a lab component)
- One of the courses selected to fulfill the requirement for B1 or B2 must include a laboratory component or a separate course must be taken from B3. If a separate laboratory course is taken from B3, it must match one of the two lecture courses taken from B1 or B2.
- One course in B4

### B1: Physical Science

	<u>AGRI 125</u>	Introduction to Soil Science (C)
	ASTR 101	Descriptive Astronomy (C,M,MMR)

ASTR 102	Exploring The Solar System and Life Beyond The Earth (C,M,MMR)
AVIA 115	Aviation Weather (MMR)
CHEM 100	Fundamentals of Chemistry (C,M,MMR)
<u>CHEM 103</u>	General, Organic, and Biological Chemistry (M,MMR)
CHEM 111	Chemistry in Society (C,M,MMR)
CHEM 130	Introduction to Organic & Biological Chemistry (C,M,MMR)
CHEM 152	Introduction to General Chemistry (C,M,MMR)
CHEM 160	Introductory Biochemistry (M,MMR)
CHEM 200	General Chemistry I - Lecture (C,M,MMR)
CHEM 201	General Chemistry II - Lecture (C,M,MMR)
CHEM 231	Organic Chemistry I - Lecture (C,M,MMR)
CHEM 233	Organic Chemistry II - Lecture (C,M,MMR)
<u>CHEM 251</u>	Quantitative Analytical Chemistry (C,M,MMR)
GEOG 101	Physical Geography (C,M,MMR)
GEOL 100	Physical Geology (C,M,MMR)
<u>GEOL 111</u>	Dinosaurs, Mass Extinctions, and Earth History (C,M,MMR)
GEOL 104	Earth Science (C,M,MMR)
<u>GEOL 130</u>	Field Geology of San Diego County (C,M,MMR)
OCEA 101	The Oceans (M,MMR)
PHYN 100	Survey of Physical Science (C,M,MMR)
PHYN 105	Physical Science for Elementary Education (M)
PHYN 114	Weather and Climate (C,M,MMR)
<u>PHYS 100</u>	Introductory Physics (C,M)
<u>PHYS 125</u>	General Physics (C,M,MMR)
<u>PHYS 126</u>	General Physics II (C,M,MMR)
PHYS 180A	General Physics I (C,M,MMR)
PHYS 180B	General Physics II (C,M,MMR)
<u>PHYS 195</u>	Mechanics (C,M,MMR)
<u>PHYS 196</u>	Electricity and Magnetism (C,M,MMR)
<u>PHYS 197</u>	Waves, Light and Modern Physics (C,M,MMR)

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## B2: Life Science

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<u>AGRI 107</u>	Introduction to Agricultural Plant Science (C)
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ANTH 102	Introduction to Biological Anthropology (C,M,MMR)
<u>BIOL 100</u>	Natural History-Environmental Biology (M,MMR)
<u>BIOL 101</u>	Issues in Environmental Science & Sustainability (C,MMR)
<u>BIOL 107</u>	General Biology - Lecture and Laboratory (C,M,MMR)
BIOL 110	Introduction to Oceanography (C,M)
BIOL 111	Cancer Biology (C)
<u>BIOL 115</u>	Marine Biology (C,M,MMR)
BIOL 130	Human Heredity (C,M,MMR)
<u>BIOL 131</u>	Introduction to Biotechnology (MMR)
<u>BIOL 160</u>	Elements of Human Anatomy & Physiology (M,MMR)
BIOL 180	Plants and People (C,M,MMR)
<u>BIOL 205</u>	General Microbiology (C,M,MMR)
<u>BIOL 210A</u>	Introduction to the Biological Sciences I (C,M,MMR)
<u>BIOL 210B</u>	Introduction to the Biological Sciences II (C,M,MMR)
<u>BIOL 215</u>	Introduction to Zoology (M)
<u>BIOL 230</u>	Human Anatomy (C,M,MMR)
<u>BIOL 235</u>	Human Physiology (C,M,MMR)
<u>BIOL 250</u>	Introduction to Botany (M)
PSYC 260	Introduction to Physiological Psychology (C,M,MMR)

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## B3: Laboratory Activity

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ANTH 104	Laboratory in Biological Anthropology (C,M,MMR)
ASTR 109	Practice in Observing (C,M,MMR)
ASTR 111	Astronomy Laboratory (C,M,MMR)
CHEM 100L	Fundamentals of Chemistry Laboratory (C,M,MMR)
CHEM 111L	Chemistry in Society Laboratory (C,M)
CHEM 130L	Introduction to Organic & Biological Chemistry Laboratory (C,M,MMR)
CHEM 152L	Introduction to General Chemistry Laboratory (C,M,MMR)
CHEM 200L	General Chemistry I - Laboratory (C,M,MMR)
CHEM 201L	General Chemistry II - Laboratory (C,M,MMR)
CHEM 231L	Organic Chemistry I - Laboratory (C,M,MMR)
CHEM 233L	Organic Chemistry II - Laboratory (C,M,MMR)

GEOG 101L	Physical Geography Laboratory (C,M,MMR)
GEOL 101	Physical Geology Laboratory (C,M,MMR)
GEOL 120	Earth Science Laboratory (C,M)
PHYN 101	Survey of Physical Science Laboratory (C,M)
PHYS 181A	General Physics Lab I (C,M,MMR)
PHYS 181B	General Physics Lab II (C,M,MMR)
<b>PSYC 260L</b>	<b>Introduction to Physiological Psychology Laboratory (M)</b>

MATH 255	Differential Equations (C,M,MMR)
POLI 201	Elementary Statistics for Political Science (C,M)
PSYC 258	Behavioral Science Statistics (C,M,MMR)

## Area C. Arts and Humanities:

*Nine semester units (12–15 quarter units) with at least one course each in Arts and Humanities.*

### B4: Mathematics/Quantitative Reasoning

BIOL 200	Biological Statistics (M,MMR)
BUSE 101	Business Mathematics (C,M,MMR)
BUSE 115	Statistics for Business (C,M,MMR)
CISC 246	Discrete Mathematics for Computer Science (M,MMR)
HEIT 256	Statistics for Healthcare (M)
MATH 104	Trigonometry (C,M,MMR)
MATH 107	Introduction to Scientific Programming (C)
MATH 107L	Introduction to Scientific Programming Laboratory (C)
MATH 109	Explorations in Mathematical Analysis (C)
MATH 115	Gateway to Experimental Statistics (C)
MATH 116	College and Matrix Algebra (C,M,MMR)
MATH 118	A Survey of Modern Mathematics (C,M,MMR)
MATH 119	Elementary Statistics (C,M,MMR)
MATH 121	Basic Techniques of Applied Calculus I (C,M,MMR)
MATH 122	Basic Techniques of 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 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)

### C1: Arts (Art, Cinema, Dance, Music, Theater)

ARTF 100	Art Orientation (C,M,MMR)
ARTF 106	Art of the United States: Colonial to Modern Period (M)
ARTF 107	Contemporary Art (M,MMR)
ARTF 108	Women in Art (M)
ARTF 109	Modern Art (C,M,MMR)
ARTF 110	Art History: Prehistoric to Gothic (C,M,MMR)
ARTF 111	Art History: Renaissance to Modern (C,M,MMR)
ARTF 113	Arts of Africa, Oceania, and the Americas (M,MMR)
ARTF 115	African Art (C,M)
ARTF 120	Native American Art (M)
ARTF 125	Art History: Arts of the Asian Continent (C,M,MMR)
ARTF 130	Pre-Columbian Art (M)
* ARTF 188	Women and Gender in Photography (M)
ARTF 191	Cultural Influences on Photography (M)
ARTF 194	Critical Photography (M)
ARTF 212	Sustainable Art and Design (C)
BLAS 110	African American Art (C,M)
BLAS 111	Cultural Influences on African Art (M)
BLAS 120	Black Music (C,M)
CHIC 230	Chicano Art (C,M)
CHIC 250	Introduction to Chicana/o Dramatic Art (C,M)
DANC 181	History of Dance (C,M)
DFLM 101	Introduction to Film (MMR)
DFLM 102	The American Cinema (MMR)
DRAM 105	Introduction to Dramatic Arts (C,M)
DRAM 107	Study of Filmed Plays (C,M)
DRAM 109	Theatre and Social Issues (C,M)

DRAM 111	Chicana/o Theatre (C)	ARCH 127	History of World Architecture: Renaissance Through Contemporary (M)
DRAM 136	Theatre History I: Ancient Greece to the Renaissance (C)	ARTF 108	Women in Art (M)
DRAM 137	Theatre History II: Restoration to the Present (C)	* ARTF 188	Women and Gender in Photography (M)
DRAM 150	Cinema as Art and Communication I (M)	ARTF 191	Cultural Influences on Photography (M)
DRAM 151	Cinema as Art and Communication II (M)	* BLAS 145A	Introduction to African History (C,M)
DRAM 205	The American Musical on Stage and Screen (C,M)	* BLAS 145B	Introduction to African History (C,M)
DSGN 104	Graphic Design History (C)	BLAS 150	Black Women in Literature, Film and the Media (C,M,MMR)
FASH 120	Fashion History and Trends (M)	BLAS 155	African American Literature (C,M,MMR)
FASH 122	Ethnic Costume (M)	CHIC 130	Mexican Literature in Translation (C,M)
FJMP 100	Introduction to Cinema (C)	CHIC 135	Chicana/o Literature (C,M,MMR)
INTE 125	History of Furniture and Interiors (M)	CHIC 138	Literature of La Raza in Latin America in Translation (C,M)
MUSI 100	Introduction to Music (C,M,MMR)	CHIC 190	Chicano Images in Film (C,M)
MUSI 103	History of Rock Music (C,M,MMR)	CHIC 210	Chicano Culture (C,M)
MUSI 109	World Music (C,M,MMR)	CHIN 101	First Course in Mandarin Chinese (M)
MUSI 111	Jazz History (C,M,MMR)	CHIN 102	Second Course in Mandarin Chinese (M)
MUSI 114	Music of The Beatles (M)	CHIN 201	Third Course in Mandarin Chinese (M)
MUSI 117	Music in the United States (M)	CHIN 202	Fourth Course in Mandarin Chinese (M)
MUSI 118	Asian & Pacific Music (M)	ENGL 208	Introduction to Literature (C,M,MMR)
MUSI 119	Music in Latin America & North America (M)	ENGL 209	Literary Approaches to Film (C,M,MMR)
MUSI 125	Music, the Arts, and Society (M)	ENGL 210	American Literature I (C,M,MMR)
MUSI 126	Rap Music and Hip Hop Culture (M)	ENGL 211	American Literature II (C,M,MMR)
MUSI 131	Music of California (M)	ENGL 215	English Literature I: 800–1799 (C,M,MMR)
MUSI 138	Women in Music (M)	ENGL 216	English Literature II: 1800–Present (C,M,MMR)
PHOT 150	History of Photography (C)	ENGL 220	Masterpieces of World Literature I: 1500 BCE–1600 CE (C,M,MMR)
RTVF 162	Women in Film (C)	ENGL 221	Masterpieces of World Literature II: 1600–Present (C,M,MMR)

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**C2: Humanities (Literature, Philosophy, Languages Other than English)**

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AMSL 120	American Sign Language Level I (C,M,MMR)	ENGL 230	Asian American Literature (M,MMR)
AMSL 121	American Sign Language Level II (C,M,MMR)	ENGL 234	Hip Hop Literature: A Poetry Class (C,M,MMR)
* AMSL 150	Introduction to Deaf Culture (C,M)	ENGL 237	Women in Literature (C,M,MMR)
AMSL 220	American Sign Language Level III (C,M)	ENGL 238	Evaluating Children's Literature (C)
AMSL 221	American Sign Language Level IV (C,M)	ENGL 240	Shakespeare (C,M)
ARAB 101	First Course in Arabic (C)	FREN 101	First Course in French (C,M)
ARAB 102	Second Course in Arabic (C)	FREN 102	Second Course in French (C,M)
ARAB 201A	Third Course in Arabic (C)	FREN 201	Third Course in French (C,M)
ARCH 126	History of Ancient World Architecture (M)	FREN 202	Fourth Course in French (C,M)
		GERM 101	First Course in German (C,M)

GERM 102	Second Course in German (C,M)	PHIL 105	Contemporary Philosophy (C,M)
GERM 201	Third Course in German (C,M)	PHIL 106	Asian Philosophy (C,M)
* HIST 100	World History I (C,M,MMR)	PHIL 107	Reflections on Human Nature (C,M,MMR)
* HIST 101	World History II (C,M,MMR)	PHIL 108	Perspectives on Human Nature and Society (C,M)
* HIST 105	Introduction to Western Civilization I (C,M,MMR)	PHIL 110	Philosophy of Religion (M)
* HIST 106	Introduction to Western Civilization II (C,M,MMR)	PHIL 111	Philosophy In Literature and Other Fiction (C,M)
* HIST 120	Introduction to Asian Civilizations (C,M,MMR)	PHIL 112	Philosophy of Science (M)
* HIST 121	Asian Civilizations in Modern Times (C,M,MMR)	PHIL 125	Philosophy of Women (C,M)
* HIST 131	Latin America Before Independence (M)	* PHIL 126	Introduction to Philosophy of Contemporary Gender Issues (C,M)
* HIST 132	Latin America Since Independence (M)	PHIL 130	Philosophy of Art and Music (C,M)
* HIST 154	Ancient Egypt (M)	PHIL 131	Environmental Ethics (C,M,MMR)
* HUMA 101	Introduction to the Humanities I (C,M,MMR)	RUSS 101	First Course in Russian (C,M)
HUMA 102	Introduction to the Humanities II (C,M,MMR)	RUSS 102	Second Course in Russian (C,M)
HUMA 103	Introduction to the New Testament (C,M)	RUSS 201	Third Course in Russian (M)
HUMA 104	Introduction to the Old Testament (M)	SPAN 101	First Course in Spanish (C,M,MMR)
HUMA 106	World Religions (C,M,MMR)	SPAN 102	Second Course in Spanish (C,M,MMR)
HUMA 118	Eastern Humanities (M)	SPAN 201	Third Course in Spanish (C,M,MMR)
HUMA 119	Western Humanities (M)	SPAN 202	Fourth Course in Spanish (C,M,MMR)
HUMA 201	Mythology (C,M,MMR)	SPAN 215	Spanish for Spanish Speakers I (C,M)
HUMA 202	Mythology: Hero's Journey (C)	SPAN 216	Spanish for Spanish Speakers II (C,M)
HUMA 205	Exploring Human Values through Film (M)	SPAN 221	Hispanic Literature for Spanish Speakers (M)
HUMA 210	Women in Religion and Myth (M)	SPAN 222	Hispanic Culture and Civilization for Spanish Speakers (M)
ITAL 101	First Course in Italian (C,M)	TAGA 101	First Course in Tagalog (MMR)
ITAL 102	Second Course in Italian (C,M)	TAGA 102	Second Course in Tagalog (MMR)
ITAL 201	Third Course in Italian (C,M)	TAGA 201	Third Course in Tagalog (MMR)
JAPN 101	First Course in Japanese (M)	VIET 101	First Course in Vietnamese (M)
JAPN 102	Second Course in Japanese (M)	VIET 102	Second Course in Vietnamese (M)
JAPN 201	Third Course in Japanese (M)	VIET 201	Third Course in Vietnamese (M)
JAPN 202	Fourth Course in Japanese (M)		
PHIL 102A	Introduction to Philosophy: Reality and Knowledge (C,M,MMR)		
PHIL 102B	Introduction to Philosophy: Values (C,M,MMR)		
* PHIL 103	Historical Introduction to Philosophy (M)		
PHIL 104A	History Of Western Philosophy: Ancient to Medieval (C,M,MMR)		
PHIL 104B	History of Western Philosophy: Modern to Contemporary (C,M)		

## Area D. Social Sciences:

*Six Semester units (8 quarter units).*

* AAPI 124	Introduction to Asian American and Pacific Islander (C,M,MMR)
* <b>AAPI 125</b>	<b>Asian American and Pacific Islander Identities and Cultures (M)</b>
* <b>AAPI 130</b>	<b>Asian American and Pacific Islander Women (M)</b>
ADJU 101	Introduction to Administration of Justice (C,MMR)

ADJU 106	Diversity and Community Relations (MMR)	CHIC 150	History of Mexico (C,M)
ADJU 230	Constitutional Law I (MMR)	CHIC 155	Introduction to Central American Studies (M)
AGRI 100	Principles of Sustainable Agriculture (C)	CHIC 170	La Chicana (C,M,MMR)
* AMSL 150	Introduction to Deaf Culture (C,M)	CHIC 201	The Indigenous Tradition of Mexico and Ancient Mesoamerica (C,M)
ANTH 103	Introduction to Cultural Anthropology (C,M,MMR)	CHIC 210	Chicano Culture (C,M)
ANTH 106	World Prehistory (C,M)	* CHIL 101	Human Growth and Development (C,M,MMR)
ANTH 107	Introduction to Archaeology (C,M,MMR)	* CHIL 103	Lifespan Growth and Development (MMR)
ANTH 110	Anthropology of Magic, Witchcraft, and Religion (C,M)	CHIL 141	The Child, Family and Community (C,M,MMR)
ANTH 117	Anthropology of Gender and Sexuality (M)	* COMS 135	Interpersonal Communication (C,M,MMR)
ANTH 140	Primatology (C,M)	COMS 201	Communication and Community (C,MMR)
ANTH 200	Introduction to North American Indians (M)	CRES 101	Conflict Resolution and Mediation (C)
ANTH 205	Introduction to Medical Anthropology (M)	DSST 101	Introduction to Disability Studies (C)
ANTH 210	Introduction to the Indigenous People of California (C,M)	ECON 120	Principles of Macroeconomics (C,M,MMR)
ANTH 215	Cultures of Latin America (C,M)	ECON 121	Principles of Microeconomics (C,M,MMR)
ARTF 108	Women in Art (M)	ECON 220	Economics of the Environment (C,M)
* BLAS 100	Introduction to Black Studies (C,M,MMR)	ENGL 202	Introduction to Linguistics (C,M)
BLAS 104	Black Psychology (C,M,MMR)	* FILI 100	Filipino American Experience (M,MMR)
BLAS 115	Sociology from a Black Perspective (C)	FJMP 101	Introduction to Mass Media (C)
BLAS 116	Contemporary Social Problems from a Black Perspective (C,M)	GDEV 101	Introduction to Global Development Studies (C)
BLAS 125	Dynamics of the Black Community (M)	GEND 101	Introduction to Gender Studies (C,MMR)
BLAS 130	The Black Family (C,M)	GEOG 102	Cultural Geography (C,M,MMR)
BLAS 135	Introduction to Black Politics (C)	GEOG 104	World Regional Geography (C,M,MMR)
* BLAS 140A	African American History to Reconstruction (C,M,MMR)	GEOG 154	Introduction to Urban Geography (C,M)
* BLAS 140B	African American History since Reconstruction to the Present (C,M,MMR)	* HEAL 103	Introduction to Public Health (C,M)
* BLAS 145A	Introduction to African History (C,M)	HEAL 104	Public Health and Social Justice (M)
* BLAS 145B	Introduction to African History (C,M)	* HIST 100	World History I (C,M,MMR)
BLAS 175	Psycho-History of Racism and Sexism (M)	* HIST 101	World History II (C,M,MMR)
* CHIC 110A	Introduction to Chicana and Chicano Studies (C,M,MMR)	* HIST 105	Introduction to Western Civilization I (C,M,MMR)
* CHIC 110B	Introduction to Chicano Studies (C,M)	* HIST 106	Introduction to Western Civilization II (C,M,MMR)
CHIC 140	Chicana/o Sociology (C,M)	HIST 109	History of the United States I (C,M,MMR)
CHIC 141A	United States History from a Chicano Perspective (C,M,MMR)	HIST 110	History of the United States II (C,M,MMR)
CHIC 141B	United States History from a Chicano Perspective (C,M,MMR)	HIST 115A	History of the Americas I (C,M,MMR)

HIST 115B	History of the Americas II (C,M,MMR)
* HIST 120	Introduction to Asian Civilizations (C,M,MMR)
* HIST 121	Asian Civilizations in Modern Times (C,M,MMR)
HIST 123	U.S. History from the Asian Pacific American Perspective (C,M,MMR)
HIST 130	The Modern Middle East (M)
* HIST 131	Latin America Before Independence (M)
* HIST 132	Latin America Since Independence (M)
HIST 135	History of Technology (M)
HIST 141	Women in United States History I (M,MMR)
HIST 142	Women in United States History II (M,MMR)
HIST 150	Native Americans in United States History I (M)
HIST 151	Native Americans in United States History II (M)
* HIST 154	Ancient Egypt (M)
HIST 175	California History (M)
* HUMS 101	Introduction to Human Aging (C)
JOUR 202	Introduction to Mass Communication (C,M,MMR)
LABR 100	American Labor Movement (C)
* NUTR 153	Cultural Foods (C,M,MMR)
PADM 110	Introduction to Law and Society (C,M)
PADM 200	Introduction to Public Administration (C,MMR)
PEAC 101	Introduction to Peace Studies (C)
PHIL 109	Issues in Social Philosophy (M)
* PHIL 126	Introduction to Philosophy of Contemporary Gender Issues (C,M)
POLI 101	Introduction to Political Science (C,M,MMR)
POLI 102	Introduction to American Government (C,M,MMR)
POLI 103	Comparative Politics (C,M,MMR)
POLI 121	American Political Development (C,M,MMR)
POLI 123	Gender and Politics (M)
POLI 124	Power and Justice: An Introduction to Political Theory (C,M)
POLI 140	Contemporary International Politics (C,M,MMR)
PSYC 101	General Psychology (C,M,MMR)
* PSYC 111	Psychological/Social Aspects of Aging, Death and Dying (C,M)

<b>PSYC 112</b>	<b>Interpersonal Relations (M)</b>
PSYC 121	Introduction to Child Psychology (M)
PSYC 123	Adolescent Psychology (C,MMR)
PSYC 133	Psychology of Women (M,MMR)
* PSYC 135	Marriage and Family Relations (C,M,MMR)
* PSYC 137	Human Sexual Behavior (C,M,MMR)
PSYC 155	Introduction to Personality (C,M,MMR)
PSYC 166	Introduction to Social Psychology (C,M,MMR)
PSYC 211	Learning (C,M,MMR)
* PSYC 230	Psychology of Lifespan Development (C,M,MMR)
PSYC 245	Abnormal Psychology (C,M,MMR)
PSYC 283	Introduction to Cognitive Psychology (C,M,MMR)
RTVF 101	Media Law and Ethics (C)
RTVF 162	Women in Film (C)
SOCO 101	Principles of Sociology (C,M,MMR)
SOCO 110	Contemporary Social Problems (C,M,MMR)
SOCO 125	Sociology of the Family (C,M)
* SOCO 145	Health and Society (C,M,MMR)
SOCO 150	Sociology of Latinos/Latinas (C,M)
SOCO 201	Advanced Principles of Sociology (C,M,MMR)
SOCO 207	Introduction to Race and Ethnicity (C,M,MMR)
SOCO 220	Introduction to Research Methods in Sociology (C,M,MMR)
SOCO 223	Globalization and Social Change (C,M,MMR)
SPAN 222	Hispanic Culture and Civilization for Spanish Speakers (M)
SUST 101	Introduction to Sustainability (C,M,MMR)
WMNS 101	Introduction to Gender and Women's Studies (M)

## Area E. Lifelong Learning and Self-Development:

**Three semester units (4–5 quarter units), not all in physical activity.**

AVIA 133	Human Factors in Aviation (MMR)
BIOL 120	The Environment of Man (M)
BIOL 135	Biology of Human Nutrition (MMR)
BLAS 165	Sexuality and Black Culture (C,M)

BUSE 120	Personal Financial Management (C,M,MMR)
BUSE 205	Leadership Theory and Practice (M)
* CHIL 101	Human Growth and Development (C,M,MMR)
* CHIL 103	Lifespan Growth and Development (MMR)
COMS 180	Intercultural Communication (C,M,MMR)
DANC 127	Movement for Wellness (C,M)
EXSC 125A	Aerobic Dance I (C,M,MMR)
EXSC 125B	Aerobic Dance II (C,M,MMR)
EXSC 125C	Aerobic Dance III (C,M,MMR)
EXSC 125D	Aerobic Dance IV (C,M,MMR)
EXSC 126A	Cardio Conditioning I (C,M,MMR)
EXSC 126B	Cardio Conditioning II (C,M,MMR)
EXSC 126C	Cardio Conditioning III (C,M,MMR)
EXSC 126D	Cardio Conditioning IV (C,M,MMR)
EXSC 134	Adapted Weight Training (C,M,MMR)
EXSC 135A	Individual Conditioning I (C,M,MMR)
EXSC 135B	Individual Conditioning II (C,M,MMR)
EXSC 135C	Individual Conditioning III (C,M,MMR)
EXSC 135D	Individual Conditioning IV (C,M,MMR)
EXSC 145A	Yoga I (C,M,MMR)
EXSC 145B	Yoga II (C,M,MMR)
EXSC 145C	Yoga III (C,M,MMR)
EXSC 145D	Yoga IV (C,M,MMR)
EXSC 294	Health and Wellness Coaching (C)
HEAL 101	Health and Life Style (C,M,MMR)
* HEAL 103	Introduction to Public Health (C, M)
HEAL 104	Public Health and Social Justice (M)
HEAL 107	Lifestyle Medicine for Health and Wellness (M)
* HUMS 101	Introduction to Human Aging (C)
NUTR 150	Nutrition (C,M,MMR)
* NUTR 153	Cultural Foods (M,MMR)
PERG 120	College Success and Lifelong Learning (C,M,MMR)
PERG 130	Career - Life Planning (C,M,MMR)
PERG 140	Life Skills and Personal Adjustment (C,M,MMR)
PERG 160	Stress Management & Well-Being in the Modern World (C,M,MMR)
* PSYC 111	Psychological/Social Aspects of Aging, Death and Dying (C,M)
PSYC 112	Interpersonal Relations (M)

* PSYC 135	Marriage and Family Relations (C,M,MMR)
* PSYC 137	Human Sexual Behavior (C,M,MMR)
* PSYC 230	Psychology of Lifespan Development (C,M,MMR)
* SOCO 145	Health and Society (C,M,MMR)

**Note:** Students who have completed at least 6 months of continuous active US military service have satisfied Area E. DD214 or military transcript must be on file.

## Area F. Ethnic Studies

### Three Semester Units (4 quarter units).

* <b>AAPI 124</b>	<b>Introduction to Asian American and Pacific Islander Studies (C,M,MMR)</b>
* <b>AAPI 125</b>	<b>Asian American and Pacific Islander Identities and Cultures (M)</b>
* <b>AAPI 130</b>	<b>Asian American and Pacific Islander Women (M)</b>
* BLAS 100	Introduction to Black Studies (C,M,MMR)
* <b>BLAS 140A</b>	<b>African American History to Reconstruction (C,M,MMR)</b>
* <b>BLAS 140B</b>	<b>African American History since Reconstruction to the Present (C,M,MMR)</b>
* CHIC 110A	Introduction to Chicana and Chicano Studies (C,M,MMR)
* CHIC 110B	Introduction to Chicana and Chicano Studies (C,M)
* FILI 100	Filipino American Experience (M,MMR)

The following is a new award, page 154:

## Certificate of Achievement: Accounting

### Courses Required for the Major:

ACCT 116A	Financial Accounting	4.0
ACCT 116B	Managerial Accounting	4.0
BUSE 119	Business Communications	3.0

### Complete seven to nine (7-9) units from the following:

ACCT 102	Basic Accounting	3.0
ACCT 119	Accounting Ethics	3.0
ACCT 120	Federal Income Tax	3.0
ACCT 121	California Income Tax	1.0

ACCT 125	Government & Not-for-Profit Accounting	3.0
ACCT 128A	Recordkeeping	1.5
ACCT 128B	Payroll	1.5
ACCT 135	Principles of Auditing	3.0
ACCT 150	Computer Accounting Applications	3.0
BUSE 101	Business Mathematics	3.0
BUSE 120	Personal Financial Management	3.0
CBTE 143	Intermediate Microsoft Excel	3.0

**Total Units = 18-20**

The following is a revision to the award, page 185-186:

### Certificate of Achievement: Small Business Management

Courses Required for the Major		Units
<b>ACCT 128A</b>	<b>Recordkeeping</b>	<b>1.5</b>
<b>ACCT 128B</b>	<b>Payroll</b>	<b>1.5</b>
BUSE 92	Introduction to Business Communication	
<b>or</b>		
BUSE 119	Business Communications	3
<del>BUSE 100</del>	<del>Introduction to Business</del>	<del>3</del>
<del>BUSE 102</del>	<del>Introduction to Customer Service</del>	<del>3</del>
BUSE 155	Small Business Management	3
<del>BUSE 157</del>	<del>Developing a Plan for the Small Business</del>	<del>3</del>
<del>MARK 105</del>	<del>Professional Selling</del>	<del>3</del>
BUSE 270	Business Internship/ Work Experience	1

**Complete nine (9) units from the following:**

BUSE 102	Introduction to Customer Service	3
BUSE 150	Human Relations in Business	3
BUSE 157	Developing a Plan for the Small Business	3
BUSE 201	Business Organization and Management	3
MARK 100	Principles of Marketing	3
MARK 105	Professional Selling	3
MARK 130	Advertising Principles	3

**Total Units = 18-19**

**Note:** The Business Department recommends that students planning to transfer complete BUSE 119 instead of BUSE 92.

### Associate of Science Degree: Small Business Management

Courses Required for the Major		Units
ACCT 128A	Recordkeeping	1.5
ACCT 128B	Payroll	1.5
BUSE 92	Introduction to Business Communication	3
<b>or</b>		
BUSE 119	Business Communications	3
BUSE 155	Small Business Management	3
BUSE 270	Business Internship / Work Experience	1

**Complete 9 units from the following:**

BUSE 102	Introduction to Customer Service	3
BUSE 150	Human Relations in Business	3
BUSE 157	Developing a Plan for the Small Business	3
<b>BUSE 201</b>	<b>Business Organization and Management</b>	<b>3</b>
MARK 100	Principles of Marketing	3
MARK 105	Professional Selling	3
MARK 130	Advertising Principles	3

**Total Units = 19**

The Business Department recommends that students planning to transfer complete BUSE 119 instead of BUSE 92.

Additional general education and graduation requirements for the associate degree are listed in the Academic Requirements section of the catalog. Students who plan to transfer to a four-year college or university should select the Business Studies San Diego State University Transfer option. **The associate degree requires a minimum of 60 units.**

The following is a revision to the award, page 179-180:

### Associate in Science in Biology for Transfer Degree:

Courses Required for the Major:		Units
BIOL 210A	Introduction to the Biological Sciences I	4
BIOL 210B	Introduction to the Biological Sciences II	4
CHEM 200	General Chemistry I – Lecture	3
CHEM 200L	General Chemistry I – Laboratory	2
CHEM 201	General Chemistry II – Lecture	3
CHEM 201L	General Chemistry II – Laboratory	2

MATH 121	Basic Techniques of Applied Calculus I	3
<b>or</b>		
MATH 150	Calculus with Analytic Geometry I	5
PHYS 125	General Physics	5
<b>and</b>		
PHYS 126	General Physics II	5
<b>or</b>		
<b>PHYS 180A</b>	<b>General Physics I</b>	<b>4.0</b>
<b>and</b>		
<b>PHYS 181A</b>	<b>General Physics Laboratory I</b>	<b>1.0</b>
<b>and</b>		
<b>PHYS 180B</b>	<b>General Physics II</b>	<b>4.0</b>
<b>and</b>		
<b>PHYS 181B</b>	<b>General Physics Laboratory II</b>	<b>1.0</b>
<b>or</b>		
PHYS 195	Mechanics	5
<b>and</b>		
PHYS 196	Electricity and Magnetism	5
<b>Select 3-5 Units from the following:</b>		
CHEM 231	Organic Chemistry I – Lecture	3
<b>and</b>		
CHEM 231L	Organic Chemistry I – Laboratory	2
<b>or</b>		
MATH 122	Basic Techniques of Calculus II	3
<b>or</b>		
MATH 151	Calculus with Analytic Geometry II	4
<b>Total Units = 34–38</b>		

The following is a revision to the award, page 216-217:

### Certificate of Achievement: Interaction Design

Courses Required for the Major		Units
DSGN 100	Introduction to Graphic Design	3
DSGN 102	Digital Media I	3
DSGN 104	Graphic Design History	3
DSGN 106	Typography I	3
DSGN 124	Page Layout	3
DSGN 143	Interaction Design I	3
DSGN 153	Interaction Design II	3
DSGN 203	Interaction Design III	3

Choose three courses from the following:

DSGN 120	Illustration	3
<del>DSGN 174A</del>	<del>Book Arts I</del>	<del>3</del>
<b>ARTF 174A</b>	<b>Book Arts I</b>	<b>3</b>
DSGN 202	Digital Media II	3
DSGN 206	Typography II	3
DSGN 210	Branding and Packaging	3
DSGN 213	Interaction Design IV	3

DSGN 216A	Design Studio I	3
DSGN 216B	Design Studio II	3
DSGN 216C	Design Studio III	3
DSGN 218	Internship	3
DSGN 222	Book Arts II	3
<b>or</b>		
DSGN 248	Portfolio I	3
<b>and</b>		
DSGN 258	Portfolio II	3
<b>Total Units = 33</b>		

**Note:** The Design Department requires students to complete all requirements for the award within seven years.

The following is a revision to the award, page 217-218:

### Associate of Arts Degree: Interaction Design

Courses Required for the Major		Units
DSGN 100	Introduction to Graphic Design	3
DSGN 102	Digital Media I	3
DSGN 104	Graphic Design History	3
DSGN 106	Typography I	3
<del>DSGN 120</del>	<del>Illustration</del>	<del>3</del>
<b>or</b>		
<del>ARTF 174A</del>	<del>Book Arts I</del>	<del>3</del>
DSGN 124	Page Layout	3
<del>DSGN 206</del>	<del>Typography II</del>	<del>3</del>
<del>DSGN 210</del>	<del>Branding and Packaging</del>	<del>3</del>
<b>DSGN 143</b>	<b>Interaction Design I</b>	<b>3</b>
<b>DSGN 153</b>	<b>Interaction Design II</b>	<b>3</b>
<b>DSGN 203</b>	<b>Interaction Design III</b>	<b>3</b>

Complete three additional courses from the following:

DSGN 120	Illustration	3
ARTF 174A	Book Arts I	3
<del>DSGN 143</del>	<del>Interaction Design I</del>	<del>3</del>
<del>DSGN 153</del>	<del>Interaction Design II</del>	<del>3</del>
DSGN 202	Digital Media II	3
<del>DSGN 203</del>	<del>Interaction Design III</del>	<del>3</del>
<b>DSGN 206</b>	<b>Typography II</b>	<b>3</b>
<b>DSGN 210</b>	<b>Branding and Packaging</b>	<b>3</b>
DSGN 213	Interaction Design IV	3
DSGN 216A	Design Studio I	3
DSGN 216B	Design Studio II	3
DSGN 216C	Design Studio III	3
DSGN 218	Internship	3
DSGN 222	Book Arts II	3

	<b>or</b>	
DSGN 248	Portfolio I	3
	<b>and</b>	
DSGN 258	Portfolio II	3
<b>Total Units = 33</b>		

**Note:** The Design Department requires students to complete all requirements for the award within seven years.

The following is a correction to page 248-250:

## Associate in Science in Film, Television and Electronic Media for Transfer Degree:

Courses required for the major:	units
<del>RTVF 100 — Introduction To Electronic Media</del> <b>or</b>	<del>—</del>
<del>DJRN 100 — Mass Media in the Digital Age</del>	<del>3</del>
<del>RTVF 107 — Audio Production</del>	<del>3</del>
<del>RTVF 110 — Introduction to Scriptwriting</del> <b>or</b>	<del>—</del>
<del>RTVF 160 — Introduction to Cinema</del>	<del>3</del>

**Select two courses (6 units) from the following:**

FJMP 100	Introduction to Cinema	3
FJMP 101	Introduction to Mass Media	3
FJMP 120	Introduction to Screenwriting	3

**Select one course from the following (3 units):**

<del>RTVF 118 — Television Studio Operations</del>	<del>3</del>
<del>RTVF 124 — Single Camera Production</del>	<del>3</del>

**Select one course (3 units) from audio:**

FJMP 112	Introduction to Audio Production	3
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**Select one course (3 units) from video or film production:**

FJMP 111	Single Camera Production	3
FJMP 144	Multi-Camera Studio Operations	3

**Select one course from the following (3 units):**

<del>RTVF 118 — Television Studio Operations</del>	<del>3</del>
<del>RTVF 167 — Motion Picture Production</del>	<del>3</del>

**Select one course from the following (3 units):**

<del>RTVF 112 — Documentary Film Production</del>	<del>3</del>
<del>RTVF 118 — Television Studio Operations</del>	<del>3</del>
<del>RTVF 124 — Single Camera Production</del>	<del>3</del>
<del>RTVF 151 — Introduction to Multimedia</del>	<del>3</del>
<del>RTVF 153 — Introduction to Nonlinear Editing</del>	<del>3</del>
<del>RTVF 167 — Motion Picture Production</del>	<del>3</del>

**Select a minimum of two courses (6 units) not already selected above:**

DRAM 105	Introduction to Dramatic Arts	3
DRAM 107	Study of Filmed Plays	3
FJMP 100	Introduction to Cinema	3

FJMP 101	Introduction to Mass Media	3
FJMP 111	Single Camera Production	3
FJMP 120	Introduction to Screenwriting	3
FJMP 144	Multi-Camera Studio Operations	3
MUSI 100	Introduction to Music	3

**Total Units = 18**

The following is a correction to page 219:

## Associate in Arts in Journalism for Transfer Degree:

Courses Required for the Major:	Units	
<del>DJRN 100 — Mass Media in the Digital Age</del>	<del>3</del>	
<del>DJRN 200 — Newswriting for Multimedia</del>	<del>3</del>	
<del>DJRN 210 — News Reporting and Editing for Publication</del>	<del>3</del>	
<del>DJRN 211 — Online News Concepts for Publication</del>	<del>3</del>	
	<b>or</b>	
<del>DJRN 205 — Community Journalism for Multimedia</del>	<del>3</del>	
FJMP 101	Introduction to Mass Media	3
FJMP 130	Newswriting for Multiplatform Journalism	3
FJMP 132	Multiplatform Journalism Production	3
COMS 160	Argumentation and Critical Thinking	3
POLI 102	Introduction to American Government	3

**Select two courses (6 units) from the following:**

<del>COMS 160 — Argumentation and Critical Thinking</del>	<del>3</del>
<del>ECON 120 — Principles of Macroeconomics</del>	<del>3</del>
<del>POLI 102 — Introduction to American Government</del>	<del>3</del>
<del>RTVF 140 — Radio and TV Newswriting</del>	<del>3</del>

**Select one course from the following:**

FJMP 131	Multimedia Journalism Reporting	3
FJMP 232A	Multiplatform Journalism Workshop I	3

**Total Units = 18**

The following is a correction to page 269-270:

## Associate of Arts Degree: Liberal Arts and Sciences: Scientific Studies with an Emphasis in Physical and Earth Sciences Specialization

**Courses Required for the Major:**

Students should complete a minimum of 18 units including both Physical and Earth Science courses:

AGRI 100	Principles of Sustainable Agriculture	3
ASTR 101	Descriptive Astronomy	3
ASTR 109	Practice in Observing	1

ASTR 111	Astronomy Laboratory	1
<b>BIOL 200</b>	<b>Biological Statistics or</b>	
MATH 119	Elementary Statistics <b>or</b>	
PSYC 258	Behavioral Science Statistics	3
CHEM 100	Fundamentals of Chemistry	3
CHEM 100L	Fundamentals of Chemistry Laboratory	1
CHEM 111	Chemistry in Society	3
CHEM 111L	Chemistry and Society Laboratory	1
CHEM 130	Introduction to Organic and Biological Chemistry	3
CHEM 130L	Introduction to Organic and Biological Chemistry Laboratory	1
CHEM 152	Introduction to General Chemistry	3
CHEM 152L	Introduction to General Chemistry Laboratory	1
CHEM 200	General Chemistry I – Lecture	3
CHEM 200L	General Chemistry I – Laboratory	2
CHEM 201	General Chemistry II – Lecture	3
CHEM 201L	General Chemistry II – Laboratory	2
CHEM 231L	Organic Chemistry I – Laboratory	2
CHEM 231	Organic Chemistry I – Lecture	3
CHEM 233	Organic Chemistry II – Lecture	3
CHEM 233L	Organic Chemistry II – Laboratory	2
CHEM 251	Quantitative Analytical Chemistry	5
CISC 181	Principles of Information Systems	4
CISC 190	Java Programming	4
CISC 192	C/C++ Programming	4
GEOG 101	Physical Geography	3
GEOG 101L	Physical Geography Laboratory	1
GEOG 102	Cultural Geography	3
GEOG 104	World Regional Geography	3
GEOL 100	Physical Geology	3
GEOL 101	Physical Geology Laboratory	1
GEOL 104	Earth Science	3
GISG 104	Geographic Information Science and Spatial Reasoning	3
GISG 110	Introduction to Mapping and Geographic Information Systems	3
MATH 150	Calculus with Analytic Geometry I	5
MATH 151	Calculus with Analytic Geometry II	4
MATH 252	Calculus with Analytic Geometry III	4
PHYN 100	Survey of Physical Science	3
PHYN 101	Survey of Physical Science Laboratory	1
PHYS 100	Introductory Physics	4
PHYS 125	General Physics	5
PHYS 126	General Physics II	5
PHYS 180A	General Physics I	4
PHYS 180B	General Physics II	4
PHYS 181A	General Physics Laboratory I	1
PHYS 181B	General Physics Laboratory II	1
PHYS 195	Mechanics	5
PHYS 196	Electricity and Magnetism	5

PHYS 197	Waves, Optics and Modern Physics	5
SUST 101	Introduction to Sustainability	3
<b>SUST 102</b>	<b>Environmental Ethics</b>	<b>3</b>
		<b>Total Units = 18</b>

## New award:

### Associate in Science in Nutrition and Dietetics for Transfer Degree:

Courses Required for the Major:		Units
BIOL 205	General Microbiology	5
CHEM 200	General Chemistry I - Lecture	3
CHEM 200L	General Chemistry I - Laboratory	2
NUTR 150	Nutrition	3
PSYC 101	General Psychology	3

#### Select two courses (7-9 units) from the following:

BIOL 230	Human Anatomy	4
BIOL 235	Human Physiology	4
CHEM 201	General Chemistry II - Lecture	3

**and**

CHEM 201L	General Chemistry II - Laboratory	2
MATH 119	Elementary Statistics	3

**or**

PSYC 258	Behavioral Science Statistics	3
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#### Select one course (3-5 units) from the following:

NUTR 153	Cultural Foods	3
BIOL 107	General Biology-Lecture and Laboratory	4

BIOL 210A	Introduction to the Biological Sciences I	4
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BIOL 210B	Introduction to the Biological Sciences II	4
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CHEM 231	Organic Chemistry I - Lecture	3
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**and**

CHEM 231L	Organic Chemistry I - Laboratory	2
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CHEM 233	Organic Chemistry II - Lecture	3
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**and**

CHEM 233L	Organic Chemistry II - Laboratory	2
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MATH 116	College and Matrix Algebra	3
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MATH 121	Basic Techniques of Applied Calculus I	3
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MATH 150	Calculus with Analytic Geometry I	5
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**Total Units: 26-30**

**The following is added to/replaces or removes information for the following pages 328:**

## Course Numbering System

The course numbering system has meaning with regard to level and transfer. See the description below:

- **1–49** Basic Skills or college preparatory courses. Credit does not apply toward the associate degree and is not intended for transfer to a four-year college or university. Final determination regarding the transfer of credit rests with the receiving institution.
- **50–99** Course credit applies toward the associate degree and is not intended for transfer to a four-year college or university. Final determination regarding the transfer of credit rests with the receiving institution.
- **100–299** Course credit applies toward the associate degree and is intended for transfer to a four-year college or university. (Some courses may be identified as associate degree applicable only. See catalog course description.) Final determination regarding the transfer of credit rests with the receiving institution. **Note:** Experimental courses numbered 265 may or may not be degree applicable or transferable. Please check the individual course details in the online schedule for more information.
- **300–391** Apprenticeship and in-service courses. See Catalog course description to determine credit for Associate Degree or Transfer.
- **392–399** Special Topics courses that employ a consistent disciplinary framework as described by a complete course outline of record, but utilize a specific focus area that may change from term to term may be offered in some disciplines. See the class schedule for specific titles and course details. (See catalog course description to determine credit for Associate Degree or Transfer.)
- **401–499 400–599** Upper division courses. Students must be admitted to a SDCCD college baccalaureate degree program.

Apprenticeship 345, 349, 349-D, DSPS 65, Field Experience/Internship 275, Independent Study 290, Individualized Instruction 296, Experimental Topics 18, 23, 63, 265, Tutoring 44, and Work Experience courses 270, 272 have Districtwide designated numbers.

The following is added to/replaces or removes information for the following pages 331-332:

### Asian American Pacific Islander Studies (AAPI)

#### 124 Introduction to Asian American and Pacific Islander Studies

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

**Advisory: English 101 with a grade of “C” or better, or equivalent.**

*This course is an introduction to Asian American and Pacific Islander (AAPI) Studies and the evolution of the disciplines within the field of Ethnic Studies. Emphasis is placed on the formation of AAPI identities, and the experiences of AAPI communities through the lens of equity, self-determination, liberation, decolonization, and antiracism. Topics include AAPI engagement with the U.S. political and legal system and the US Constitution, California state and local governments, immigration legislation, white supremacy, and settler colonialism; historical and contemporary AAPI social justice movements to address anti-Asian violence; transnational familial and community politics; and the intersection of race, class, gender, and sexuality in the formation and development of AAPI communities in the United States. This course is intended for all students interested in Asian American and Pacific Islander Studies.*

**This course is an introduction to the interdisciplinary field of Asian American and Pacific Islander (AAPI) Studies. The course explores the diverse histories and contemporary social, cultural, and political experiences of Asian Americans and Pacific Islanders. Emphasis is placed on how settler colonialism, imperialism, racial capitalism, globalization, war, American empire, citizenship, and various aspects of identity such as race, class, gender, and sexuality have shaped AAPI experiences and their social justice movements. Students will explore the topics through the lens of equity, self-determination, decolonization, and anti-racism. This course is intended for all students interested in Asian American and Pacific Islander Studies and Ethnic Studies. (FT) AA/AS; CSU; UC.**

The following is added to/replaces or removes information for the following pages 371:

## Chemistry (CHEM)

### 200 General Chemistry I – Lecture

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

*Prerequisite:* Chemistry 152 and Chemistry 152L, each with a grade of "C" or better, or equivalent; Mathematics 96 with a grade of "C" or better, or equivalent or Milestone M50.

**and Successful completion of Intermediate Algebra or appropriate placement based on California Title 5 regulations.**

*Corequisite:* Completion of or concurrent enrollment in Chemistry 200L with a grade of "C" or better, or equivalent.

This is the first course in a two-course sequence in general chemistry. Emphasis is placed on the principles and laws of inorganic chemistry, including quantitative, mathematical problem solving. Topics include chemical equations, stoichiometry, atomic theory and its relationship to periodicity of the elements, bonding theories, molecular geometry, calorimetry, thermochemistry, solution chemistry, liquids, solids, and the gas laws. This course is intended for science majors and all students interested in chemistry. (FT) AA/AS; CSU; UC; C-ID CHEM 110; C-ID CHEM 120S (CHEM 200, 200L, 201, 201L).

### 200L General Chemistry I – Laboratory

**6 hours lab, 2 units  
Letter Grade or Pass/No Pass Option**

*Prerequisite:* Chemistry 152 and Chemistry 152L, each with a grade of "C" or better, or equivalent; Mathematics 96 with a grade of "C" or better, or equivalent or Milestone M50.

**and Successful completion of Intermediate Algebra or appropriate placement based on California Title 5 regulations.**

*Corequisite:* Completion of or concurrent enrollment in Chemistry 200 with a grade of "C" or better, or equivalent.

This is the first-semester laboratory course in a two-course sequence in general chemistry. Emphasis is placed on laboratory experiments that illustrate the fundamental principles and laws of chemical behavior and the properties of matter, including quantitative, mathematical problem-solving. Topics include techniques of data analysis, chemical formulas, equations, stoichiometry and maintenance

of a laboratory notebook. This course is intended for science majors and all students interested in chemistry. (FT) AA/AS; CSU; UC; C-ID CHEM 110; C-ID CHEM 120S (CHEM 200, 200L, 201, 201L).

### 201 General Chemistry II – Lecture

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

*Prerequisite:* Chemistry 200 and Chemistry 200L, each with a grade of "C" or better, or equivalent; Mathematics 96 with a grade of "C" or better, or equivalent or Milestone M50.

**and Successful completion of Intermediate Algebra or appropriate placement based on California Title 5 regulations.**

*Corequisite:* Completion of or concurrent enrollment in Chemistry 201L with a grade of "C" or better, or equivalent.

This course is the second course in a two-course sequence in general chemistry and is intended for students majoring in science or satisfying prerequisites for professional schools. The course covers the principles of physical and inorganic chemistry with an emphasis on quantitative, mathematical problem solving. Topics in the course include chemical kinetics, chemical equilibrium, acid-base theory, thermodynamics, electrochemistry, coordination chemistry and nuclear chemistry. The course also includes an introduction to organic chemistry. (FT) AA/AS; CSU; UC; C-ID CHEM 120S (CHEM 200, 200L, 201, 201L).

### 201L General Chemistry II – Laboratory

**6 hours lab, 2 units  
Letter Grade or Pass/No Pass Option**

*Prerequisite:* Chemistry 200 and Chemistry 200L, each with a grade of "C" or better, or equivalent; Mathematics 96 with a grade of "C" or better, or equivalent or Milestone M50.

**Successful completion of Intermediate Algebra or appropriate placement based on California Title 5 regulations.**

*Corequisite:* Completion of or concurrent enrollment in Chemistry 201 with a grade of "C" or better, or equivalent.

This is the second-semester laboratory course of a two-course sequence in general chemistry. It is intended for students majoring in science or satisfying prerequisites for professional schools. Emphasis is placed on the fundamental principles of physical and inorganic chemistry. Topics include techniques of data analysis, chemical

kinetics, chemical equilibrium, acids, bases, acidic/basic salts, thermochemistry, electrochemistry, and coordination chemistry. Computer skills are introduced and applied to data analysis, laboratory simulations, and computer interfacing with laboratory equipment. (FT) AA/AS; CSU; UC; C-ID CHEM 120S (CHEM 200, 200L, 201, 201L). **The following is added to/replaces or removes information for the following pages 383:**

## Communication Studies (COMS)

### 160 Argumentation and Critical Thinking 3 hours lecture, 3 units Letter Grade or Pass/No Pass Option

*Prerequisite:* ~~Communication Studies 103 with a grade of "C" or better, or equivalent~~ English 101 or English 105, each with a grade of "C" or better, or equivalent.

*Limitation on Enrollment:* This course is not open to students with previous credit for Speech Communications 160.

~~This course is a study of argumentation. Emphasis is placed on research, analysis of propositions, testing of evidence, construction of the brief, and preparation for presentation of constructive and refutation cases. This course is designed for communications studies majors and anyone interested in argumentation and debate.~~

This course is a study of argumentation and development of critical thinking through the oral tradition and written composition. Emphasis is placed on research, analysis of propositions, testing of evidence, construction of the brief, and preparation for presentation of constructive and refutation cases. Students locate, evaluate, and integrate outside sources into progressively complex writing assignments for a total of at least 6,000 words for the semester. This course is designed for communication studies majors and anyone interested in argumentation and the development of their critical thinking skills. (FT) AA AS; CSU; UC; C-ID COMM 120.

### 160 Argumentation and Critical Thinking 3 hours lecture, 3 units Letter Grade or Pass/No Pass Option

*Prerequisite:* English 101 or English 105, each with a grade of "C" or better, or equivalent.

*Limitation on Enrollment:* This course is not open to students with previous credit for Speech Communications 160.

This course is a study of argumentation and development of critical thinking through the oral tradition and written composition. Emphasis is placed on research, analysis of propositions, testing of evidence, construction of the brief, and preparation for presentation of constructive and refutation cases. Students locate, evaluate, and integrate outside sources into progressively complex writing assignments for a total of at least 6,000 words for the semester. This course is designed for communication studies majors and anyone interested in argumentation and the development of their critical thinking skills. (FT) AA/AS; CSU; UC; C-ID COMM 120.

**The following is added to/replaces or removes information for the following pages 394:**

## Cyber Defense and Analysis (CYDA)

### 420 Applied Network Security Monitoring (NSM) 36 - 40.5 hours lecture, 36 - 40.5 hours lab, 3 units Letter Grade or Pass/No Pass Option

*Limitation on Enrollment:* Special Admission - must be admitted to program.

This course is a study of the process of ingesting, storing, and interpreting data collected and generated by computer network systems. Emphasis is placed on the analysis of data and practices associated with management of system information and event logs from a security perspective. Topics include network security monitoring (NSM), security information and event management (SIEM) technology, logging implementation, management, and retention, continuous monitoring (CM) and threat modeling as well as data analysis for identifying, responding to, and preventing attacks. This course is designed for students in the Cyber Defense and Analysis program. (FT) Baccalaureate Degree Credit.

### 430 Applied Intrusion Detection and Analysis 36 - 40.5 hours lecture, 36 - 40.5 hours lab, 3 units Grade Only

*Limitation on Enrollment:* Special Admission - must be

admitted to program.

This course is a hands-on study of methodologies used to analyze network traffic in order to identify intrusions. Emphasis is placed on the theoretical and practical analysis of network activity to deem if it is noteworthy or a false indication of breach.

Topics include common application protocols, analyzing network behavior to detect breaches, strengths and limitations of intrusion detection systems (IDS) and other monitoring tools as well as visualizing data traffic to identify patterns and anomalies. This course is designed for students in the Cyber Defense and Analysis program.(FT) Baccalaureate Degree Credit.

**The following is added to/replaces or removes information for the following pages 472:**

### Film, Journalism, and Media Production (FJMP)

#### 100 Mass Media in the Digital Age

##### 101 Introduction to Mass Media

**3 hours lecture, 3 units  
Grade Only**

*Advisory:* English 101 with a grade of "C" or better, or equivalent.

*Limitation on Enrollment:* This course is not open to students with previous credit for Journalism 202 or Digital Journalism 100.

This course offers a new-media approach to studying mass communication in the United States. It covers emerging technologies, history, structure, social impact, and trends in television, cinema, radio, print, and journalism. Discussion focuses on analysis of the impact of current and emerging media forms on society and culture, as well as on ways that media and social institutions shape each other. Problems and issues are examined in light of social and cultural constructs, economics, technology, law and ethics, and social issues. This course is designed for students pursuing media-related majors and for those seeking employment in the field. (FT) AA/AS; CSU; UC, for UC Transfer Limitations see a Counselor or reference ASSIST.org; C-ID JOUR 100.

**The following is added to/replaces or removes information for the following pages 474:**

#### 131 Multimedia Journalism Reporting

**2 hours lecture, 3 hours lab, 3 units  
Grade Only**

*Advisory:* English 101, Journalism 200 or Journalism 210A, each with a grade of "C" or better, or equivalent.

*Limitation on Enrollment:* This course is not open to students with previous credit for Digital Journalism 205, **Radio and Television 146, or Radio, Television and Film 146.**

This course is a practical study of the basic components involved in using digital and mobile tools to publish news content. Emphasis is placed on using such tools for news reporting and gathering purposes for students to create and manage story packages for multiple media platforms from the standpoint of a working multimedia journalist. Topics include the use of multiple digital elements including text, visuals, audio, interactives, and digital design. Legal and ethical issues in news media, including the implications of social and cultural constructs, economics, technology, and equity and social justice, are explored. This course is designed for students pursuing media-related majors and anyone interested in media-related industries. (FT) AA/AS; CSU.

**The following is added to/replaces or removes information for the following pages 397-398 510:**

### Mathematics (MATH)

#### 121 Basic Techniques of Applied Calculus I

**3 hours lecture, 3 units**

**Letter Grade or Pass/No Pass Option**

***Prerequisite: Successful completion of Intermediate Algebra with a grade of "C" or better, or appropriate placement Milestone M40 or M50 based on California Title 5 regulations.***

***Students with a milestone M30 must enroll in MATH 121X (Mathematics 121 and Mathematics 15F support course)***

This course examines the study of calculus using numerical, graphical, and analytical methods to analyze calculus problems encountered in real-world applications in business, natural/life sciences, and social sciences. Topics include limits, derivatives, and integrals of algebraic, exponential, and logarithmic functions, curve sketching, optimization, and areas under and between curves and partial derivatives

and optimization of multivariable functions. This is the first course in a sequence of mathematics courses for students intending to major in business, economics, or natural and social sciences. (FT) AA/AS; CSU; UC, for UC Transfer Limitations see a Counselor or reference ASSIST.org; C-ID MATH 140.

## **141 Precalculus**

**5 hours lecture, 5 units**

**Letter Grade or Pass/No Pass Option**

*Prerequisite:* Mathematics 104 with a grade of “C” or better, or equivalent, **or Milestone M60.**

This course is a study of numerical, analytical, and graphical properties of functions. The course content includes polynomial, rational, irrational, exponential, logarithmic, and trigonometric functions. Additional topics include: inverse functions, complex numbers, polar coordinates, matrices, conic sections, sequences, series and the binomial theorem. This course is designed as a preparation for calculus and is intended for the transfer student planning to major in mathematics, engineering, economics, or disciplines included in the physical or life sciences. (FT) AA/AS; CSU; UC, for UC Transfer Limitations see a Counselor or reference ASSIST.org.

## **150 Calculus with Analytic Geometry I**

**5 hours lecture, 5 units**

**Letter Grade or Pass/No Pass Option**

*Prerequisite:* Mathematics 141 with a grade of “C” or better, or equivalent, **or Milestone M60.**

This course is an introduction to university-level calculus requiring a strong background in algebra and trigonometry. The topics of study include analytic geometry, limits, differentiation and integration of algebraic and transcendental functions, and applications of derivatives and integrals. Emphasis is placed on calculus applications involving motion, optimization, graphing, and applications in the physical and life sciences. This course incorporates the use of technology. Analytical reading and problem solving are strongly emphasized in this course. This course is intended for students majoring in mathematics, computer science, physics, chemistry, engineering, or economics. AA/AS; CSU; UC, for UC Transfer Limitations see a Counselor or reference ASSIST.org; C-ID MATH 210.

