

# SAN DIEGO MESA 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 103 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 115:

**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 115-116:

**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)	^ CHIC 141B	United States History from a Chicano Perspective (C,M,MMR)
^ <b>AAPI 125</b>	<b>Asian American and Pacific Islander Identities and Cultures (M)</b>	^ CHIC 155	Introduction to Central American Studies (M)
^ <b>AAPI 130</b>	<b>Asian American and Pacific Islander Women (M)</b>	^ CHIC 190	Chicano Images in Film (C,M)
^ ADJU 106	Diversity and Community Relations (MMR)	^ CHIC 210	Chicano Culture (C,M)
^ AMSL 150	Introduction to Deaf Culture (M)	^ CHIC 250	Introduction to Chicana/o Dramatic Art (C,M)
^ ANTH 103	Introduction to Cultural Anthropology (C,M,MMR)	^ CHIL 141	The Child, Family and Community (C,M,MMR)
^ ANTH 200	Introduction to North American Indians (M)	^ COMS 180	Intercultural Communication (C,M,MMR)
^ ANTH 210	Introduction to the Indigenous People of California (C,M)	^ DRAM 109	Theatre and Social Issues (C,M)
^ ARTF 113	Arts of Africa, Oceania, and the Americas (M,MMR)	^ ENGL 202	Introduction to Linguistics (C,M)
^ ARTF 115	African Art (C,M)	^ ENGL 230	Asian American Literature (M,MMR)
^ ARTF 120	Native American Art (M)	^ ENGL 234	Hip Hop Literature: A Poetry Class (C,M,MMR)
^ BLAS 100	Introduction to Black Studies (C,M,MMR)	^ FASH 122	Ethnic Costume (M)
^ BLAS 104	Black Psychology (C,M,MMR)	^ FILI 100	Filipino American Experience (M,MMR)
^ BLAS 110	African American Art (C,M)	^ FILI 101	Filipino American Psychology (MMR)
^ BLAS 111	Cultural Influences on African Art (M)	^ GEND 101	Introduction to Gender Studies (C,MMR)
^ BLAS 115	Sociology from a Black Perspective (C)	^ GEOG 102	Cultural Geography (C,M,MMR)
^ BLAS 116	Contemporary Social Problems from a Black Perspective (C,M)	^ HIST 115A	History of the Americas I (C,M,MMR)
^ BLAS 120	Black Music (C,M)	^ HIST 115B	History of the Americas II (C,M,MMR)
^ BLAS 125	Dynamics of the Black Community (M)	^ HIST 120	Introduction to Asian Civilizations (C,M,MMR)
^ BLAS 130	The Black Family (C,M)	^ HIST 121	Asian Civilizations in Modern Times (C,M,MMR)
^ BLAS 135	Introduction to Black Politics (C)	^ HIST 123	U.S. History from the Asian Pacific American Perspective (C,M,MMR)
^ BLAS 140A	African American History to Reconstruction (C,M,MMR)	^ HIST 130	The Modern Middle East (M)
^ BLAS 140B	African American History since Reconstruction to the Present (C,M,MMR)	^ HIST 150	Native Americans in United States History I (M)
^ BLAS 145A	Introduction to African History (C,M)	^ HIST 151	Native Americans in United States History II (M)
^ BLAS 145B	Introduction to African History (C)	^ INTE 125	History of Furniture and Interiors (M)
^ BLAS 150	Black Women in Literature, Film and the Media (C,M,MMR)	^ MUSI 109	World Music (C,M,MMR)
^ BLAS 155	African American Literature (C,M,MMR)	^ MUSI 217A	Gospel Choir I (MMR)
^ CHIC 110A	Introduction to Chicana and Chicano Studies (C,M,MMR)	^ MUSI 217B	Gospel Choir II (MMR)
^ CHIC 110B	Introduction to Chicano Studies (C,M)	^ MUSI 217C	Gospel Choir III (MMR)
^ CHIC 135	Chicana/o Literature (C,M,MMR)	^ MUSI 217D	Gospel Choir IV (MMR)
^ CHIC 140	Chicana/o Sociology (C,M)	^ NUTR 153	Cultural Foods (C,M)
^ CHIC 141A	United States History from a Chicano Perspective (C,M,MMR)	^ 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 118-126:

## 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)
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BIOL 200	Biological Statistics (M)	MATH 116	College and Matrix Algebra (C,M,MMR)
BUSE 101	Business Mathematics (C,M,MMR)	MATH 118	Math for the Liberal Arts Student (C,M,MMR)
BUSE 115	Statistics for Business (C,M,MMR)	MATH 119	Elementary Statistics (C,M,MMR)
CHEM 251	Quantitative Analytical Chemistry (C,M,MMR)	MATH 121	Basic Techniques of Applied Calculus I (C,M,MMR)
CISC 150	Introduction to Computer and Information Sciences (C,M)	MATH 122	Basic Techniques of Applied Calculus II (C,M,MMR)
CISC 181	Principles of Information Systems (C,M,MMR)	MATH 141	Precalculus (C,M,MMR)
CISC 187	Data Structures in C++ (C,M,MMR)	MATH 150	Calculus with Analytic Geometry I (C,M,MMR)
CISC 190	Java Programming (C,M,MMR)	MATH 151	Calculus with Analytic Geometry II (C,M,MMR)
CISC 192	C/C++ Programming (C,M,MMR)	MATH 210A	Concepts of Elementary School Mathematics I (C,M)
CISC 201	Advanced C++ Programming (C,M)	MATH 210B	Concepts of Elementary School Mathematics II (C,M)
CISC 205	Object Oriented Programming using C++ (C)	MATH 215	Introduction to Teaching Mathematics (M)
CISC 246	Discrete Mathematics for Computer Science (M,MMR)	MATH 245	Discrete Mathematics (C,M,MMR)
ECON 120	Principles of Macroeconomics (C,M,MMR)	MATH 252	Calculus with Analytic Geometry III (C,M,MMR)
ECON 121	Principles of Microeconomics (C,M,MMR)	MATH 254	Introduction to Linear Algebra (C,M,MMR)
ENGE 151	Engineering Drawing (C,M)	MATH 255	Differential Equations (C,M,MMR)
ENGE 200	Statics (C,M)	MFET 210	Statistical Process Control (C)
ENGE 240	Digital Systems (C,M)	MFET 220	Programmable Logic Controllers (C)
ENGE 250	Dynamics (C,M)	PHIL 101	Symbolic Logic (C,M,MMR)
ENGE 260	Electric Circuits (C,M)	PHYS 125	General Physics (C,M,MMR)
GISG 104	Geographic Information Science and Spatial Reasoning (C,M)	PHYS 126	General Physics II (C,M,MMR)
HEIT 256	Statistics for Healthcare (M)	PHYS 180A	General Physics I (C,MMR)
MATH 92	Applied Beginning and Intermediate Algebra (C,M,MMR). (City Apprenticeship Students Only)	PHYS 180B	General Physics II (C,MMR)
MATH 96	Intermediate Algebra and Geometry (C,M,MMR) (City Apprenticeship Students Only)	PHYS 195	Mechanics (C,M,MMR)
MATH 98	Technical Algebra and Geometry (C) (City Apprenticeship Students Only)	PHYS 196	Electricity and Magnetism (C,M,MMR)
MATH 104	Trigonometry (C,M,MMR)	PHYS 197	Waves, Optics and Modern Physics (C,M,MMR)
MATH 107	Introduction to Scientific Programming (C)	POLI 201	Elementary Statistics for Political Science (C,M)
MATH 107L	Introduction to Scientific Programming Lab (C)	PSYC 258	Behavioral Science Statistics (C,M,MMR)
MATH 109	Explorations in Mathematical Analysis (C)		
MATH 115	Gateway to Experimental Statistics (C,MMR)		

### (3) Arts and Humanities

(minimum of 3 semester / 4 quarter units).

^	AAPI 124	Introduction to Asian American and Pacific Islander Studies (C,M, MMR)
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AMSL 120	American Sign Language Level I (C,M,MMR)	AMSL 220	American Sign Language Level III (C,M)
AMSL 121	American Sign Language Level II (C,M,MMR)	AMSL 221	American Sign Language Level IV (C,M)
^*	CHIC 210 Chicano Culture (C,M)	ARAB 101	First Course in Arabic (C)
	CHIC 230 Chicano Art (C,M)	ARAB 102	Second Course in Arabic (C)
	CHIN 101 First Course in Mandarin Chinese (M)	ARAB 201A	Third Course in Arabic (C)
	CHIN 102 Second Course in Mandarin Chinese (M)	ARCH 126	History of Ancient World Architecture (M)
	CHIN 201 Third Course in Mandarin Chinese (M)	ARCH 127	History of World Architecture: Renaissance Through Contemporary (M)
	CHIN 202 Fourth Course in Mandarin Chinese (M)	ARTF 100	Art Orientation (C,M,MMR)
	DANC 181 History of Dance (C,M)	ARTF 106	Art of the United States: Colonial to Modern Period (M)
	DFLM 101 Introduction to Film (MMR)	ARTF 107	Contemporary Art (M,MMR)
	DFLM 102 The American Cinema (MMR)	ARTF 108	Women in Art (M)
	DRAM 105 Introduction to Dramatic Arts (C,M)	ARTF 109	Modern Art (C,M,MMR)
	<b>DRAM 107 Study of Filmed Plays (C,M)</b>	ARTF 110	Art History: Prehistoric to Gothic (C,M,MMR)
	DRAM 108 Playwriting (C,M)	ARTF 111	Art History: Renaissance to Modern (C,M,MMR)
^	DRAM 109 Theatre and Social Issues (C,M)	^ ARTF 113	Arts of Africa, Oceania, and the Americas (M,MMR)
	DRAM 111 Chicana/o Theatre (C)	^ ARTF 115	African Art (C,M)
	DRAM 136 History of Canonized Theatre - Ancient Greece to the Restoration (C,M)	^ ARTF 120	Native American Art (M)
	DRAM 137 History of Canonized Western Theatre - Restoration to the Present (C,M)	ARTF 125	Art History: Arts of the Asian Continent (C,M,MMR)
	DRAM 150 Cinema as Art and Communication I (M)	ARTF 130	Pre-Columbian Art (M)
	DRAM 151 Cinema as Art and Communication II (M)	ARTF 188	Women and Gender in Photography (M)
	<b>DRAM 205 The American Musical on Stage and Screen (C,M)</b>	ARTF 191	Cultural Influences on Photography (M)
	DSGN 104 Graphic Design History (C)	ARTF 194	Critical Photography (M)
	ENGL 207 The Art of the Sentence (M)	ARTF 212	Sustainable Art and Design (C)
	ENGL 208 Introduction to Literature (C,M,MMR)	^ BLAS 110	African American Art (C,M)
	ENGL 209 Literary Approaches to Film (C,M,MMR)	^ BLAS 111	Cultural Influences on African Art (M)
	ENGL 210 American Literature I (C,M,MMR)	^ BLAS 120	Black Music (C,M)
	ENGL 211 American Literature II (C,M,MMR)	^ BLAS 150	Black Women in Literature, Film and the Media (C,M,MMR)
	ENGL 215 English Literature I: 800–1799 (C,M,MMR)	^ BLAS 155	African American Literature (C,M,MMR)
	ENGL 216 English Literature II: 1800–Present (C,M,MMR)	CHIC 130	Mexican Literature in Translation (C,M)
		^ CHIC 135	Chicana/o Literature (C,M,MMR)
		CHIC 138	Literature of La Raza in Latin America in Translation (C,M)
		^ CHIC 190	Chicano Images in Film (C,M)

	ENGL 220	Masterpieces of World Literature I: 1500 BCE–1600 CE (C,M,MMR)		HUMA 118	Eastern Humanities (M)
	ENGL 221	Masterpieces of World Literature II: 1600–Present (C,M,MMR)		HUMA 119	Western Humanities (M)
^	ENGL 230	Asian American Literature (M, MMR)		HUMA 201	Mythology (C,M,MMR)
^	ENGL 234	Hip Hop Literature: A Poetry Class (C,M,MMR)		HUMA 202	Mythology: Hero's Journey (C)
	ENGL 237	Women in Literature (C,M,MMR)		HUMA 205	Exploring Human Values Through Film (M)
	ENGL 238	Evaluating Children's Literature (C)		HUMA 210	Women in Religion and Myth (M)
	ENGL 240	Shakespeare (C,M)	^	INTE 125	History of Furniture and Interiors (M)
	FASH 120	Fashion History and Trends (M)		ITAL 101	First Course in Italian (C,M)
^	FASH 122	Ethnic Costume (M)		ITAL 102	Second Course in Italian (C,M)
	FJMP 100	Introduction to Cinema		ITAL 201	Third Course in Italian (C,M)
	FREN 101	First Course in French (C,M)		JAPN 101	First Course in Japanese (M)
	FREN 102	Second Course in French (C,M)		JAPN 102	Second Course in Japanese (M)
	FREN 201	Third Course in French (C,M)		JAPN 201	Third Course in Japanese (M)
	FREN 202	Fourth Course in French (C,M)		JAPN 202	Fourth Course in Japanese (M)
	GERM 101	First Course in German (C,M)		MULT 116	Unity Game Development (M)
	GERM 102	Second Course in German (C,M)		MUSI 100	Introduction to Music (C,M,MMR)
	GERM 201	Third Course in German (C,M)		MUSI 103	History of Rock Music (C,M,MMR)
*	HIST 100	World History I (C,M,MMR)	^	MUSI 109	World Music (C,M,MMR)
*	HIST 101	World History II (C,M,MMR)		MUSI 111	Jazz History (C,M,MMR)
*	HIST 105	Introduction to Western Civilization I (C,M,MMR)		MUSI 114	Music of The Beatles (M)
*	HIST 106	Introduction to Western Civilization II (C,M,MMR)		MUSI 117	Music in the United States (M)
^*	HIST 120	Introduction to Asian Civilizations (C,M,MMR)		MUSI 118	Asian & Pacific Music (M)
^*	HIST 121	Asian Civilizations in Modern Times (C,M,MMR)		MUSI 119	Music in Latin America & North America (M)
^*	HIST 123	U.S. History from the Asian Pacific American Perspective (C,M, MMR)		MUSI 125	Music, the Arts, and Society (M)
*	HIST 131	Latin America Before Independence (M)		MUSI 126	Rap Music and Hip Hop Culture (M)
*	HIST 132	Latin America Since Independence (M)		MUSI 131	Music of California (M)
	HUMA 101	Introduction to the Humanities I (C,M,MMR)		MUSI 138	Women in Music (M)
	HUMA 102	Introduction to the Humanities II (C,M,MMR)		PHIL 102A	Introduction to Philosophy: Reality and Knowledge (C,M,MMR)
	HUMA 103	Introduction to the New Testament(C,M)		PHIL 102B	Introduction to Philosophy: Values (C,M,MMR)
	HUMA 104	Introduction to the Old Testament (M)		PHIL 103	Historical Introduction to Philosophy (M)
	HUMA 106	World Religions (C,M,MMR)		PHIL 104A	History Of Western Philosophy: Ancient to Medieval (C,M,MMR)
				PHIL 104B	History of Western Philosophy: Modern to Contemporary (C,M)
				PHIL 105	Contemporary Philosophy (C,M)
				PHIL 106	Asian Philosophy (C,M)

PHIL 107	Reflections on Human Nature (C,M,MMR)	^	<b>AAPI 130</b>	<b>Asian American and Pacific Islander Women (M)</b>
* PHIL 108	Perspectives on Human Nature and Society (C,M)		ADJU 101	Introduction to Administration of Justice (C,MMR)
PHIL 110	Philosophy of Religion (M)	^	ADJU 106	Diversity and Community Relations (MMR)
PHIL 111	Philosophy In Literature and Other Fiction (C,M)		ADJU 230	Constitutional Law I (MMR)
PHIL 112	Philosophy of Science (M)		AGRI 100	Principles of Sustainable Agriculture (C)
^* PHIL 125	Philosophy of Women (C,M)		^ AMSL 150	Introduction to Deaf Culture (M)
PHIL 130	Philosophy of Art and Music (C,M)	^	^ ANTH 103	Introduction to Cultural Anthropology (C,M,MMR)
PHIL 131	Environmental Ethics (C,M,MMR)		ANTH 107	Introduction to Archaeology (C,M,MMR)
PHOT 150	History of Photography (C)		ANTH 110	Anthropology of Magic, Witchcraft, and Religion (C,M)
RUSS 101	First Course in Russian (C,M)		ANTH 117	Anthropology of Gender and Sexuality (M)
RUSS 102	Second Course in Russian (C,M)		ANTH 140	Primatology (C,M)
RUSS 201	Third Course in Russian (M)		^ ANTH 200	Introduction to North American Indians (M)
SPAN 101	First Course in Spanish (C,M,MMR)		ANTH 205	Introduction to Medical Anthropology (M)
SPAN 102	Second Course in Spanish (C,M,MMR)	^	ANTH 210	Introduction to California Indians (C,M)
SPAN 201	Third Course in Spanish (C,M,MMR)		ANTH 215	Cultures of Latin America (C,M)
SPAN 202	Fourth Course in Spanish (C,M,MMR)	^	^* BLAS 100	Introduction to Black Studies (C,M,MMR)
SPAN 215	Spanish for Spanish Speakers I (C,M)		^ BLAS 104	Black Psychology (C,M,MMR)
SPAN 216	Spanish for Spanish Speakers II (C,M)	^	^ BLAS 115	Sociology from a Black Perspective (C)
SPAN 221	Hispanic Literature for Spanish Speakers (M)	^	^ BLAS 116	Contemporary Social Problems from a Black Perspective (C,M)
SPAN 222	Hispanic Culture and Civilization for Spanish Speakers (M)	^	BLAS 125	Dynamics of the Black Community (M)
TAGA 101	First Course in Tagalog (MMR)	^	^ BLAS 130	The Black Family (C,M)
TAGA 102	Second Course in Tagalog (MMR)	^	^ BLAS 135	Introduction to Black Politics (C)
TAGA 201	Third Course in Tagalog (MMR)	^	^ BLAS 140A	African American History to Reconstruction (C,M,MMR)
VIET 101	First Course in Vietnamese (M)	^	^ BLAS 140B	African American History since Reconstruction to the Present (C,M,MMR)
VIET 102	Second Course in Vietnamese (M)	^	^ BLAS 145A	Introduction to African History (C,M)
VIET 201	Third Course in Vietnamese (M)	^	^ BLAS 145B	Introduction to African History (C,M)
<b>(4) Social and Behavioral Sciences</b>			BLAS 165	Sexuality and Black Culture (C,M)
(minimum of 3 semester / 4 quarter units)			BLAS 175	Psycho-History of Racism and Sexism (M)
*^ AAPI 124	Introduction to Asian American Studies and Pacific Islander Studies (C,M,MMR)			
*^ <b>AAPI 125</b>	<b>Asian American and Pacific Islander Identities and Cultures (M)</b>			

	BUSE 100	Introduction to Business (C,M,MMR)	*	HIST 101	World History II (C,M,MMR)
	BUSE 140	Business Law and the Legal Environment (C,M,MMR)	*	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)
^	CHIC 140	Chicana/o Sociology (C,M)		HIST 110	History of the United States II (C,M,MMR)
^	CHIC 141A	United States History from a Chicano Perspective (C,M,MMR)	^	HIST 115A	History of the Americas I (C,M,MMR)
^	CHIC 141B	United States History from a Chicano Perspective (C,M,MMR)	^	HIST 115B	History of the Americas II (C,M,MMR)
	CHIC 150	History of Mexico (C,M)	^*	HIST 120	Introduction to Asian Civilization (C,M,MMR)
^	CHIC 155	Introduction to Central American Studies (M)	^*	HIST 121	Asian Civilizations in Modern Times (C,M,MMR)
	CHIC 170	La Chicana (C,M,MMR)	^*	HIST 123	U.S. History from the Asian Pacific American Perspective (C,M, MMR)
	CHIC 201	The Indigenous Tradition of Mexico and Ancient Mesoamerica (C,M)	^	HIST 130	The Modern Middle East (M)
^*	CHIC 210	Chicano Culture (C,M)	*	HIST 131	Latin America Before Independence (M)
	CHIL 101	Human Growth and Development (C,M,MMR)	*	HIST 132	Latin America Since Independence (M)
	CHIL 103	Lifespan Growth and Development (MMR)		HIST 135	History of Technology (M)
^	CHIL 141	The Child, Family and Community (C,M,MMR)		HIST 141	Women in United States History I (M,MMR)
	COMS 201	Communication and Community (C,MMR)		HIST 142	Women in United States History II (M,MMR)
	CRES 101	Conflict Resolution and Mediation (C)	^	HIST 150	Native Americans in United States History I (M)
	<b>DSST 101</b>	<b>Introduction to Disability Studies (C)</b>	^	HIST 151	Native Americans in United States History II (M)
	ECON 120	Principles of Macroeconomics (C,M,MMR)		HIST 154	Ancient Egypt (M)
	ECON 121	Principles of Microeconomics (C,M,MMR)		HIST 175	California History (M)
	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)

PHIL 126	Introduction to Philosophy of Contemporary Gender Issues (C,M)	^	SOCO 207	Introduction to Race and Ethnicity (C,M,MMR)	
POLI 101	Introduction to Political Science (C,M,MMR)		SOCO 220	Introduction to Research Methods in Sociology (C,M,MMR)	
POLI 102	Introduction to American Government (C,M,MMR)	^	SOCO 223	Globalization and Social Change (C,M,MMR)	
^	POLI 103	Comparative Politics (C,M,MMR)	SUST 101	Introduction to Sustainability (C,M,MMR)	
^	POLI 121	American Political Development (C,M,MMR)	^	WMNS 101	Introduction to Gender and Women's Studies (M)
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)		AGRI 107	Introduction to Agricultural Plant Science (C)	
PSYC 111	Psychological /Social Aspects of Aging, Death and Dying (C,M)		AGRI 125	Introduction to Soil Science (C)	
<b>PSYC 112</b>	<b>Interpersonal Relations (M)</b>		ANTH 102	Introduction to Biological Anthropology (C,M,MMR)	
PSYC 121	Introduction to Child Psychology (M)		ANTH 104	Laboratory in Biological Anthropology (C,M,MMR)	
PSYC 123	Adolescent Psychology (C,MMR)		<b>ANTH 109</b>	<b>Practice in Observing—Laboratory (C,M,MMR)</b>	
PSYC 133	Psychology of Women (M,MMR)		ASTR 101	Descriptive Astronomy (C,M,MMR)	
PSYC 135	Marriage and Family Relations (C,M,MMR)		ASTR 102	Exploring the Solar System and Life Beyond The Earth (C,M,MMR)	
PSYC 137	Human Sexual Behavior (C,M,MMR)		ASTR 109	Practice in Observing - Laboratory (C,M,MMR)	
PSYC 155	Introduction to Personality (C,M,MMR)		ASTR 111	Astronomy Laboratory (C,M,MMR)	
PSYC 166	Introduction to Social Psychology (C,M,MMR)		AVIA 115	Aviation Weather (MMR)	
PSYC 211	Learning (C,M,MMR)		BIOL 100	Natural History – Environmental (M,MMR)	
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)	

## (5) Natural Sciences

(minimum of 3 semester / 4 quarter units)

BIOL 160	Elements of Human Anatomy & Physiology - (M,MMR)	GEOG 101	Physical Geography (C,M,MMR)
BIOL 180	Plants and People (C,M,MMR)	GEOG 101L	Physical Geography (C,M,MMR)
BIOL 205	General Microbiology (C,M,MMR)	GEOL 100	Physical Geology (C,M,MMR)
BIOL 210A	Introduction to the Biological Sciences I (C,M,MMR)	GEOL 101	Physical Geology Laboratory (C,M,MMR)
BIOL 210B	Introduction to the Biological Sciences II (C,M,MMR)	GEOL 104	Earth Science (C,M,MMR)
BIOL 215	Introduction to Zoology (M)	GEOL 111	The Earth Through Time (C,M,MMR)
BIOL 230	Human Anatomy (C,M,MMR)	GEOL 120	Earth Science (C,M)
BIOL 235	Human Physiology (C,M,MMR)	GEOL 130	Field Geology of San Diego County (C,M,MMR)
BIOL 250	Introduction to Botany (M)	MEDA 55	Fundamentals Human Anatomy and Physiology (M)
CHEM 100	Fundamentals of Chemistry (C,M,MMR)	NUTR 150	Nutrition (C,M,MMR)
CHEM 100L	Fundamentals of Chemistry - Laboratory (C,M,MMR)	NUTR 155	Advanced Nutrition (M,MMR)
CHEM 103	General, Organic, and Biological Chemistry (M,MMR)	OCEA 101	The Oceans (M,MMR)
CHEM 111	Chemistry in Society (C,M,MMR)	PHYN 100	Survey of Physical Science (C,M,MMR)
CHEM 111L	Chemistry and Society Laboratory (C,M)	PHYN 101	Survey of Physical Science Laboratory (C,M,MMR)
CHEM 130	Introduction to Organic & Biological Chemistry (C,M,MMR)	PHYN 105	Physical Science for Elementary Education (M,MMR)
CHEM 130L	Introduction to Organic & Biological Chemistry (C,M,MMR)	PHYN 114	Weather and Climate (C,M,MMR)
CHEM 152	Introduction to General Chemistry (C,M,MMR)	PHYS 100	Introductory Physics (C,M)
CHEM 152L	Introduction to General Chemistry (C,M,MMR)	PHYS 125	General Physics (C,M,MMR)
CHEM 160	Introductory Biochemistry (M,MMR)	PHYS 126	General Physics II (C,M,MMR)
CHEM 200	General Chemistry	PHYS 180A	General Physics I (C,M,MMR)
CHEM 200L	General Chemistry I (C,M,MMR)	PHYS 180B	General Physics II (C,M,MMR)
CHEM 201	General Chemistry I (C,M,MMR)	PHYS 181A	General Physics Lab I (C,M,MMR)
CHEM 201L	General Chemistry II (C,M,MMR)	PHYS 181B	General Physics Lab II (C,M,MMR)
CHEM 231	Organic Chemistry I Lecture (C,M,MMR)	PHYS 195	Mechanics (C,M,MMR)
CHEM 231L	Organic Chemistry I Laboratory (C,M,MMR)	PHYS 196	Electricity and Magnetism (C,M,MMR)
CHEM 233	Organic Chemistry II Lecture (C,M,MMR)	PHYS 197	Waves, Optics and Modern Physics (C,M,MMR)
CHEM 233L	Organic Chemistry II Laboratory (C,M,MMR)	PSYC 260	Introduction to Physiological Psychology (C,M,MMR)
CHEM 251	Quantitative Analytical Chemistry (C,M,MMR)	<b>PSYC 260L</b>	<b>Introduction to Physiological Psychology Laboratory (M)</b>
		<b>(6) Ethnic Studies</b>	
		(minimum of 3 semester/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 added to/replaces the information on page 136-143:

## 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)

- DRAM 111 Chicana/o Theatre (C)
- DRAM 136 Theatre History I: Ancient Greece to the Renaissance (C)
- DRAM 137 Theatre History II: Restoration to the Present (C)
- DRAM 150 Cinema as Art & Communication I (M)
- DRAM 151 Cinema as Art & Communication II (M)
- DRAM 205 The American Musical on Stage and Screen (C,M)
- DSGN 104 Graphic Design History (C)
- FASH 122 Ethnic Costume (M)
- FJMP 100 Introduction to Cinema (C)
- MUSI 100 Introduction to Music (C,M,MMR)
- MUSI 103 History of Rock Music (C,M,MMR)
- MUSI 109 World Music (C,M,MMR)
- MUSI 111 Jazz History (C,M,MMR)
- MUSI 114 Music of The Beatles (M)
- MUSI 117 Music in the United States (M)
- MUSI 118 Asian & Pacific Music (M)
- MUSI 119 Music in Latin America & North America (M)
- MUSI 125 Music, the Arts, and Society (M)
- MUSI 126 Rap Music and Hip Hop Culture (M)
- MUSI 131 Music of California (M)
- MUSI 138 Women in Music (M)
- PHOT 150 History of Photography (C)
- RTVF 162 Women in Film (C)

## 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.

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#### 3A: Arts Courses

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- 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)
- 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)

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#### 3B: Humanities Courses

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- AMSL 121 American Sign Language Level II (C,M,MMR)
- \* AMSL 150 Introduction to Deaf Culture (C,M)
- AMSL 220 American Sign Language Level III (C,M)
- AMSL 221 American Sign Language Level IV (C,M)
- ARAB 102 Second Course in Arabic (C)
- ARAB 201A Third Course in Arabic (C)
- ARCH 126 History of Ancient World Architecture (M)
- ARCH 127 History of World Architecture: Renaissance Through Contemporary (M)
- \* ARTF 108 Women in Art (M)
- \* ARTF 188 Women and Gender in Photography (M)
- ARTF 191 Cultural Influences on Photography (M)
- \* BLAS 145A Introduction to African History (C,M)

* BLAS 145B	Introduction to African History (C,M)	HUMA 101	Introduction to the Humanities I (C,M,MMR)
BLAS 150	Black Women in Literature, Film and the Media (C,M,MMR)	HUMA 102	Introduction to the Humanities II (C,M,MMR)
BLAS 155	African American Literature (C,M,MMR)	HUMA 103	Introduction to the New Testament (C,M)
CHIC 130	Mexican Literature in Translation (C,M)	HUMA 104	Introduction to the Old Testament (M)
CHIC 135	Chicana/o Literature (C,M,MMR)	HUMA 106	World Religions (C,M,MMR)
CHIC 138	Literature of La Raza in Latin America in Translation (C,M)	HUMA 118	Eastern Humanities (M)
CHIC 190	Chicano Images in Film (C,M)	HUMA 119	Western Humanities (M)
* CHIC 210	Chicano Culture (C,M)	HUMA 201	Mythology (C,M,MMR)
CHIN 102	Second Course in Mandarin Chinese (M)	HUMA 205	Exploring Human Values through Film (M)
CHIN 201	Third Course Mandarin Chinese (M)	HUMA 210	Women in Religion and Myth (M)
CHIN 202	Fourth Course in Mandarin Chinese (M)	ITAL 102	Second Course in Italian (C,M)
ENGL 208	Introduction to Literature (C,M,MMR)	ITAL 201	Third Course in Italian (C,M)
ENGL 209	Literary Approaches to Film (C,M,MMR)	JAPN 102	Second Course in Japanese (M)
ENGL 210	American Literature I (C,M,MMR)	JAPN 201	Third Course in Japanese (M)
ENGL 211	American Literature II (C,M,MMR)	JAPN 202	Fourth Course in Japanese (M)
ENGL 215	English Literature I: 800–1799 (C,M,MMR)	PHIL 102A	Introduction to Philosophy: Reality & Knowledge (C,M,MMR)
ENGL 216	English Literature II: 1800–Present (C,M,MMR)	PHIL 102B	Introduction to Philosophy: Values (C,M,MMR)
ENGL 220	Masterpieces of World Literature I: 1500 BCE–1600 CE (C,M,MMR)	PHIL 103	Historical Introduction to Philosophy (M)
ENGL 221	Masterpieces of World Literature II: 1600–Present (C,M,MMR)	PHIL 104A	History Of Western Philosophy: Ancient to Medieval (C,M,MMR)
ENGL 230	Asian American Literature (M,MMR)	PHIL 104B	History of Western Philosophy: Modern to Contemporary (C,M)
ENGL 234	Hip Hop Literature: A Poetry Class (C,M,MMR)	PHIL 105	Contemporary Philosophy (C,M)
ENGL 237	Women in Literature (C,M,MMR)	PHIL 106	Asian Philosophy (C,M)
ENGL 240	Shakespeare (C,M)	PHIL 107	Reflections on Human Nature (C,M,MMR)
FREN 102	Second Course in French (C,M)	PHIL 108	Perspectives on Human Nature & Society (C,M)
FREN 201	Third Course in French (C,M)	PHIL 110	Philosophy of Religion (M)
FREN 202	Fourth Course in French (C,M)	PHIL 111	Philosophy In Literature and Other Fiction (C,M)
GERM 102	Second Course in German (C,M)	PHIL 112	Philosophy of Science (M)
GERM 201	Third Course in German (C,M)	PHIL 125	Philosophy of Women (C,M)
* HIST 100	World History I (C,M,MMR)	* PHIL 126	Introduction to Philosophy of Contemporary Gender Issues (C,M)
* HIST 101	World History II (C,M,MMR)	PHIL 130	Philosophy of Art and Music (C,M)
* HIST 105	Introduction to Western Civilization I (C,M,MMR)	PHIL 131	Environmental Ethics (C,M,MMR)
* HIST 106	Introduction to Western Civilization II (C,M,MMR)	RUSS 102	Second Course in Russian (C,M)
* HIST 120	Introduction to Asian Civilizations (C,M,MMR)	RUSS 201	Third Course in Russian (M)
* HIST 121	Asian Civilizations in Modern Times (C,M,MMR)	+ SPAN 102	Second Course in Spanish (C,M,MMR)
* HIST 131	Latin America Before Independence (M)	+ SPAN 201	Third Course in Spanish (C,M,MMR)
* HIST 132	Latin America Since Independence (M)		

SPAN 202	Fourth Course in Spanish (C,M,MMR)
SPAN 215	Spanish for Spanish Speakers I (C,M)
SPAN 216	Spanish for Spanish Speakers II (C,M)
SPAN 221	Hispanic Literature for Spanish Speakers (M)
SPAN 222	Hispanic Culture and Civilization for Spanish Speakers (M)
TAGA 102	Second Course in Tagalog (MMR)
TAGA 201	Third Course in Tagalog (MMR)
VIET 102	Second Course in Vietnamese (M)
VIET 201	Third Course in Vietnamese (M)

## Area 4—Social and Behavioral Sciences

### 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)
*	<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 230	Constitutional Law I (MMR)
	AGRI 100	Principles of Sustainable Agriculture (C)
*	AMSL 150	Introduction to Deaf Culture (M)
	ANTH 103	Introduction to Cultural Anthropology (C,M,MMR)
	ANTH 106	World Prehistory (C,M)
	ANTH 107	Introduction to Archaeology (C,M,MMR)
	ANTH 110	Anthropology of Magic, Witchcraft, and Religion (C,M)
	ANTH 117	Anthropology of Gender and Sexuality (M)
	ANTH 140	Primatology (C,M)
	ANTH 200	Introduction to North American Indians (M)
	ANTH 210	Introduction to the Indigenous People of California (C,M)
	ANTH 215	Cultures of Latin America (C,M)
*	ARTF 108	Women in Art (M)
*	BLAS 100	Introduction to Black Studies (C,M,MMR)
+	BLAS 104	Black Psychology (C,M,MMR)
+	BLAS 115	Sociology from a Black Perspective (C)
	BLAS 116	Contemporary Social Problems From a Black Perspective (C,M)
	BLAS 125	Dynamics of the Black Community (M)
	BLAS 130	The Black Family (C,M)
	BLAS 135	Introduction to Black Politics (C)
+	BLAS 140A	African American History to Reconstruction (C,M,MMR)
+	BLAS 140B	African American History since Reconstruction to the Present (C,M,MMR)
*	BLAS 145A	Introduction to African History (C,M)
*	BLAS 145B	Introduction to African History (C,M)
	BLAS 175	Psycho-History of Racism and Sexism (M)
*	CHIC 110A	Introduction to Chicana and Chicano Studies (C,M,MMR)
*	CHIC 110B	Introduction to Chicano Studies (C,M)
	CHIC 140	Chicana/o Sociology (C,M)
+	CHIC 141A	United States History From a Chicano Perspective (C,M,MMR)
+	CHIC 141B	United States History From a Chicano Perspective (C,M,MMR)
	CHIC 150	History of Mexico (C,M)
	CHIC 155	Introduction to Central American Studies (M)
	CHIC 170	La Chicana (C,M,MMR)
	CHIC 201	The Indigenous Tradition of Mexico and Ancient Mesoamerica (C,M)
*	CHIC 210	Chicano Culture (C,M)
+	CHIL 101	Human Growth and Development (C,M,MMR)
+	CHIL 103	Lifespan Growth and Development (MMR)
*	COMS 135	Interpersonal Communication (C,M,MMR)
	COMS 201	Communication and Community (C,MMR)
	CRES 101	Conflict Resolution and Mediation (C)
	<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)
	ENGL 202	Introduction to Linguistics (C,M)

* FILI 100	Filipino American Experience (M,MMR)	* PHIL 126	Introduction to Philosophy of Contemporary Gender Issues (C,M)
FJMP 101	Introduction to Mass Media (C)	POLI 101	Introduction to Political Science (C,M,MMR)
GEND 101	Introduction to Gender Studies (C,MMR)	POLI 102	Introduction to American Government (C,M,MMR)
GEOG 102	Cultural Geography (C,M,MMR)	POLI 103	Comparative Politics (C,M,MMR)
GEOG 104	World Regional Geography (C,M,MMR)	POLI 121	American Political Development (C,M,MMR)
GEOG 154	Introduction to Urban Geography (C,M)	POLI 123	Gender and Politics (M)
* HEAL 103	Introduction to Public Health (C,M)	POLI 124	Power and Justice: An Introduction to Political Theory (C,M)
HEAL 104	Public Health and Social Justice (M)	POLI 140	Contemporary International Politics (C,M,MMR)
* HIST 100	World History I (C,M,MMR)	+ PSYC 101	General Psychology (C,M,MMR)
* HIST 101	World History II (C,M,MMR)	PSYC 111	Psychological/Social Aspects of Aging, Death and Dying (C,M)
* HIST 105	Introduction to Western Civilization I (C,M,MMR)	<b>PSYC 112 Interpersonal Relations (M)</b>	
* HIST 106	Introduction to Western Civilization II (C,M,MMR)	+ PSYC 121	Introduction to Child Psychology (M)
+ HIST 109	History of the United States I (C,M,MMR)	+ PSYC 123	Adolescent Psychology (C,MMR)
+ HIST 110	History of the United States II (C,M,MMR)	PSYC 133	Psychology of Women (M,MMR)
HIST 115A	History of the Americas I (C,M,MMR)	PSYC 135	Marriage and Family Relations (C,M,MMR)
HIST 115B	History of the Americas II (C,M,MMR)	+ PSYC 137	Human Sexual Behavior (C,M,MMR)
* HIST 120	Introduction to Asian Civilizations (C,M,MMR)	PSYC 155	Introduction to Personality (C,M,MMR)
* HIST 121	Asian Civilizations in Modern Times (C,M,MMR)	PSYC 166	Introduction to Social Psychology (C,M,MMR)
HIST 123	U.S. History from the Asian Pacific American Perspective (C,M,MMR)	PSYC 211	Learning (C,M,MMR)
HIST 130	The Modern Middle East (M)	PSYC 230	Psychology of Lifespan Development (C,M,MMR)
* HIST 131	Latin America Before Independence (M)	PSYC 245	Abnormal Psychology (C,M,MMR)
* HIST 132	Latin America Since Independence (M)	PSYC 283	Introduction to Cognitive Psychology (C,M,MMR)
HIST 135	History of Technology (M)	RTVF 101	Media Law and Ethics (C)
+ HIST 141	Women in United States History I (M,MMR)	+ SOCO 101	Principles of Sociology (C,M,MMR)
+ HIST 142	Women in United States History II (M,MMR)	SOCO 110	Contemporary Social Problems (C,M,MMR)
+ HIST 150	Native Americans in United States History I (M)	SOCO 125	Sociology of the Family (C,M)
+ HIST 151	Native Americans in United States History II (M)	SOCO 145	Health and Society (C,M,MMR)
HIST 154	Ancient Egypt (M)	SOCO 150	Sociology of Latinos/Latinas (C,M)
HIST 175	California History (M)	SOCO 201	Advanced Principles of Sociology (C,M,MMR)
JOUR 202	Introduction to Mass Communication (C,M,MMR)	SOCO 207	Introduction to Race and Ethnicity (C,M,MMR)
LABR 100	American Labor Movement (C)	SOCO 220	Introduction to Research Methods in Sociology (C,M,MMR)
NUTR 153	Cultural Foods (C,M,MMR)	SOCO 223	Globalization and Social Change (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)		

SPAN 222	Hispanic Culture and Civilization for Spanish Speakers (M)
SUST 101	Introduction to Sustainability (C,M,MMR)
WNNS 101	Introduction to Gender and Women's Studies (M)

<u>CHEM 251</u>	Quantitative Analytical Chemistry (C,M,MMR)
GEOG 101	Physical Geography (C,M,MMR)
GEOL 100	Physical Geology (C,M,MMR)
GEOL 104	Earth Science (C,M,MMR)
<u>GEOL 111</u>	Dinosaurs, Mass Extinctions, and Earth History (C,M,MMR)
<u>GEOL 130</u>	Field Geology of San Diego County (C,M,MMR)
OCEA 101	The Oceans (M,MMR)
+ PHYN 100	Survey of Physical Science (C,M,MMR)
PHYN 105	Physical Science for Elementary Education (M)
PHYN 114	Weather and Climate (C,M,MMR)
+ <u>PHYS 100</u>	Introductory Physics (C,M)
+ <u>PHYS 125</u>	General Physics (C,M,MMR)
+ <u>PHYS 126</u>	General Physics II (C,M,MMR)
+ PHYS 180A	General Physics I (C,M,MMR)
+ PHYS 180B	General Physics II (C,M,MMR)
+ <u>PHYS 195</u>	Mechanics (C,M,MMR)
+ <u>PHYS 196</u>	Electricity and Magnetism (C,M,MMR)
+ <u>PHYS 197</u>	Waves, Optics and Modern Physics (C,M,MMR)

## Area 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.

### 5A: Physical Science Courses

<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)

### 5B: Biological Science Courses

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

- 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.

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### 6A: Languages Other Than English

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- 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

*	<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 added to/replaces the information on page 144-151:

## 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)

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**A3: Critical Thinking**

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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

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**B1: Physical Science**

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<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)
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>

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### **B4: Mathematics/Quantitative Reasoning**

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BIOL 200	Biological Statistics (M,MMR)
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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)
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.*

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

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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)	INTE 125	History of Furniture and Interiors (M)
ARTF 108	Women in Art (M)	MUSI 100	Introduction to Music (C,M,MMR)
ARTF 109	Modern Art (C,M,MMR)	MUSI 103	History of Rock Music (C,M,MMR)
ARTF 110	Art History: Prehistoric to Gothic (C,M,MMR)	MUSI 109	World Music (C,M,MMR)
ARTF 111	Art History: Renaissance to Modern (C,M,MMR)	MUSI 111	Jazz History (C,M,MMR)
ARTF 113	Arts of Africa, Oceania, and the Americas (M,MMR)	MUSI 114	Music of The Beatles (M)
ARTF 115	African Art (C,M)	MUSI 117	Music in the United States (M)
ARTF 120	Native American Art (M)	MUSI 118	Asian & Pacific Music (M)
ARTF 125	Art History: Arts of the Asian Continent (C,M,MMR)	MUSI 119	Music in Latin America & North America (M)
ARTF 130	Pre-Columbian Art (M)	MUSI 125	Music, the Arts, and Society (M)
* ARTF 188	Women and Gender in Photography (M)	MUSI 126	Rap Music and Hip Hop Culture (M)
ARTF 191	Cultural Influences on Photography (M)	MUSI 131	Music of California (M)
ARTF 194	Critical Photography (M)	MUSI 138	Women in Music (M)
ARTF 212	Sustainable Art and Design (C)	PHOT 150	History of Photography (C)
BLAS 110	African American Art (C,M)	RTVF 162	Women in Film (C)
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)		
DRAM 136	Theatre History I: Ancient Greece to the Renaissance (C)		
DRAM 137	Theatre History II: Restoration to the Present (C)		
DRAM 150	Cinema as Art and Communication I (M)		
DRAM 151	Cinema as Art and Communication II (M)		
DRAM 205	The American Musical on Stage and Screen (C,M)		
DSGN 104	Graphic Design History (C)		
FASH 120	Fashion History and Trends (M)		
FASH 122	Ethnic Costume (M)		
FJMP 100	Introduction to Cinema (C)		

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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)
AMSL 121	American Sign Language Level II (C,M,MMR)
* AMSL 150	Introduction to Deaf Culture (C,M)
AMSL 220	American Sign Language Level III (C,M)
AMSL 221	American Sign Language Level IV (C,M)
ARAB 101	First Course in Arabic (C)
ARAB 102	Second Course in Arabic (C)
ARAB 201A	Third Course in Arabic (C)
ARCH 126	History of Ancient World Architecture (M)
ARCH 127	History of World Architecture: Renaissance Through Contemporary (M)
ARTF 108	Women in Art (M)
* ARTF 188	Women and Gender in Photography (M)
ARTF 191	Cultural Influences on Photography (M)
* BLAS 145A	Introduction to African History (C,M)
* BLAS 145B	Introduction to African History (C,M)
BLAS 150	Black Women in Literature, Film and the Media (C,M,MMR)
BLAS 155	African American Literature (C,M,MMR)
CHIC 130	Mexican Literature in Translation (C,M)
CHIC 135	Chicana/o Literature (C,M,MMR)

CHIC 138	Literature of La Raza in Latin America in Translation (C,M)	* HIST 154	Ancient Egypt (M)
CHIC 190	Chicano Images in Film (C,M)	* HUMA 101	Introduction to the Humanities I (C,M,MMR)
CHIC 210	Chicano Culture (C,M)	HUMA 102	Introduction to the Humanities II (C,M,MMR)
CHIN 101	First Course in Mandarin Chinese (M)	HUMA 103	Introduction to the New Testament (C,M)
CHIN 102	Second Course in Mandarin Chinese (M)	HUMA 104	Introduction to the Old Testament (M)
CHIN 201	Third Course in Mandarin Chinese (M)	HUMA 106	World Religions (C,M,MMR)
CHIN 202	Fourth Course in Mandarin Chinese (M)	HUMA 118	Eastern Humanities (M)
ENGL 208	Introduction to Literature (C,M,MMR)	HUMA 119	Western Humanities (M)
ENGL 209	Literary Approaches to Film (C,M,MMR)	HUMA 201	Mythology (C,M,MMR)
ENGL 210	American Literature I (C,M,MMR)	HUMA 202	Mythology: Hero's Journey (C)
ENGL 211	American Literature II (C,M,MMR)	HUMA 205	Exploring Human Values through Film (M)
ENGL 215	English Literature I: 800–1799 (C,M,MMR)	HUMA 210	Women in Religion and Myth (M)
ENGL 216	English Literature II: 1800–Present (C,M,MMR)	ITAL 101	First Course in Italian (C,M)
ENGL 220	Masterpieces of World Literature I: 1500 BCE–1600 CE (C,M,MMR)	ITAL 102	Second Course in Italian (C,M)
ENGL 221	Masterpieces of World Literature II: 1600–Present (C,M,MMR)	ITAL 201	Third Course in Italian (C,M)
ENGL 230	Asian American Literature (M,MMR)	JAPN 101	First Course in Japanese (M)
ENGL 234	Hip Hop Literature: A Poetry Class (C,M,MMR)	JAPN 102	Second Course in Japanese (M)
ENGL 237	Women in Literature (C,M,MMR)	JAPN 201	Third Course in Japanese (M)
ENGL 238	Evaluating Children's Literature (C)	JAPN 202	Fourth Course in Japanese (M)
ENGL 240	Shakespeare (C,M)	PHIL 102A	Introduction to Philosophy: Reality and Knowledge (C,M,MMR)
FREN 101	First Course in French (C,M)	PHIL 102B	Introduction to Philosophy: Values (C,M,MMR)
FREN 102	Second Course in French (C,M)	* PHIL 103	Historical Introduction to Philosophy (M)
FREN 201	Third Course in French (C,M)	PHIL 104A	History Of Western Philosophy: Ancient to Medieval (C,M,MMR)
FREN 202	Fourth Course in French (C,M)	PHIL 104B	History of Western Philosophy: Modern to Contemporary (C,M)
GERM 101	First Course in German (C,M)	PHIL 105	Contemporary Philosophy (C,M)
GERM 102	Second Course in German (C,M)	PHIL 106	Asian Philosophy (C,M)
GERM 201	Third Course in German (C,M)	PHIL 107	Reflections on Human Nature (C,M,MMR)
* HIST 100	World History I (C,M,MMR)	PHIL 108	Perspectives on Human Nature and Society (C,M)
* HIST 101	World History II (C,M,MMR)	PHIL 110	Philosophy of Religion (M)
* HIST 105	Introduction to Western Civilization I (C,M,MMR)	PHIL 111	Philosophy In Literature and Other Fiction (C,M)
* HIST 106	Introduction to Western Civilization II (C,M,MMR)	PHIL 112	Philosophy of Science (M)
* HIST 120	Introduction to Asian Civilizations (C,M,MMR)	PHIL 125	Philosophy of Women (C,M)
* HIST 121	Asian Civilizations in Modern Times (C,M,MMR)	* PHIL 126	Introduction to Philosophy of Contemporary Gender Issues (C,M)
* HIST 131	Latin America Before Independence (M)	PHIL 130	Philosophy of Art and Music (C,M)
* HIST 132	Latin America Since Independence (M)	PHIL 131	Environmental Ethics (C,M,MMR)

RUSS 101	First Course in Russian (C,M)	ANTH 200	Introduction to North American Indians (M)
RUSS 102	Second Course in Russian (C,M)	ANTH 205	Introduction to Medical Anthropology (M)
RUSS 201	Third Course in Russian (M)	ANTH 210	Introduction to the Indigenous People of California (C,M)
SPAN 101	First Course in Spanish (C,M,MMR)	ANTH 215	Cultures of Latin America (C,M)
SPAN 102	Second Course in Spanish (C,M,MMR)	ARTF 108	Women in Art (M)
SPAN 201	Third Course in Spanish (C,M,MMR)	* BLAS 100	Introduction to Black Studies (C,M,MMR)
SPAN 202	Fourth Course in Spanish (C,M,MMR)	BLAS 104	Black Psychology (C,M,MMR)
SPAN 215	Spanish for Spanish Speakers I (C,M)	BLAS 115	Sociology from a Black Perspective (C)
SPAN 216	Spanish for Spanish Speakers II (C,M)	BLAS 116	Contemporary Social Problems from a Black Perspective (C,M)
SPAN 221	Hispanic Literature for Spanish Speakers (M)	BLAS 125	Dynamics of the Black Community (M)
SPAN 222	Hispanic Culture and Civilization for Spanish Speakers (M)	BLAS 130	The Black Family (C,M)
TAGA 101	First Course in Tagalog (MMR)	BLAS 135	Introduction to Black Politics (C)
TAGA 102	Second Course in Tagalog (MMR)	* BLAS 140A	African American History to Reconstruction (C,M,MMR)
TAGA 201	Third Course in Tagalog (MMR)	* BLAS 140B	African American History since Reconstruction to the Present (C,M,MMR)
VIET 101	First Course in Vietnamese (M)	* BLAS 145A	Introduction to African History (C,M)
VIET 102	Second Course in Vietnamese (M)	* BLAS 145B	Introduction to African History (C,M)
VIET 201	Third Course in Vietnamese (M)	BLAS 175	Psycho-History of Racism and Sexism (M)

## Area D. Social Sciences:

*Six Semester units (8 quarter units).*

* AAPI 124	Introduction to Asian American and Pacific Islander (C,M,MMR)	* CHIC 110A	Introduction to Chicana and Chicano Studies (C,M,MMR)
* <b>AAPI 125</b>	<b>Asian American and Pacific Islander Identities and Cultures (M)</b>	* CHIC 110B	Introduction to Chicano Studies (C,M)
* <b>AAPI 130</b>	<b>Asian American and Pacific Islander Women (M)</b>	CHIC 140	Chicana/o Sociology (C,M)
ADJU 101	Introduction to Administration of Justice (C,MMR)	CHIC 141A	United States History from a Chicano Perspective (C,M,MMR)
ADJU 106	Diversity and Community Relations (MMR)	CHIC 141B	United States History from a Chicano Perspective (C,M,MMR)
ADJU 230	Constitutional Law I (MMR)	CHIC 150	History of Mexico (C,M)
AGRI 100	Principles of Sustainable Agriculture (C)	CHIC 155	Introduction to Central American Studies (M)
* AMSL 150	Introduction to Deaf Culture (C,M)	CHIC 170	La Chicana (C,M,MMR)
ANTH 103	Introduction to Cultural Anthropology (C,M,MMR)	CHIC 201	The Indigenous Tradition of Mexico and Ancient Mesoamerica (C,M)
ANTH 106	World Prehistory (C,M)	CHIC 210	Chicano Culture (C,M)
ANTH 107	Introduction to Archaeology (C,M,MMR)	* CHIL 101	Human Growth and Development (C,M,MMR)
ANTH 110	Anthropology of Magic, Witchcraft, and Religion (C,M)	* CHIL 103	Lifespan Growth and Development (MMR)
ANTH 117	Anthropology of Gender and Sexuality (M)	CHIL 141	The Child, Family and Community (C,M,MMR)
ANTH 140	Primatology (C,M)	* COMS 135	Interpersonal Communication (C,M,MMR)

COMS 201	Communication and Community (C,MMR)	HIST 142	Women in United States History II (M,MMR)
CRES 101	Conflict Resolution and Mediation (C)	HIST 150	Native Americans in United States History I (M)
DSST 101	Introduction to Disability Studies (C)	HIST 151	Native Americans in United States History II (M)
ECON 120	Principles of Macroeconomics (C,M,MMR)	* HIST 154	Ancient Egypt (M)
ECON 121	Principles of Microeconomics (C,M,MMR)	HIST 175	California History (M)
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)	LABR 100	American Labor Movement (C)
FJMP 101	Introduction to Mass Media (C)	* NUTR 153	Cultural Foods (C,M,MMR)
GDEV 101	Introduction to Global Development Studies (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 109	Issues in Social Philosophy (M)
GEOG 154	Introduction to Urban Geography (C,M)	* PHIL 126	Introduction to Philosophy of Contemporary Gender Issues (C,M)
* HEAL 103	Introduction to Public Health (C,M)	POLI 101	Introduction to Political Science (C,M,MMR)
HEAL 104	Public Health and Social Justice (M)	POLI 102	Introduction to American Government (C,M,MMR)
* HIST 100	World History I (C,M,MMR)	POLI 103	Comparative Politics (C,M,MMR)
* HIST 101	World History II (C,M,MMR)	POLI 121	American Political Development (C,M,MMR)
* HIST 105	Introduction to Western Civilization I (C,M,MMR)	POLI 123	Gender and Politics (M)
* HIST 106	Introduction to Western Civilization II (C,M,MMR)	POLI 124	Power and Justice: An Introduction to Political Theory (C,M)
HIST 109	History of the United States I (C,M,MMR)	POLI 140	Contemporary International Politics (C,M,MMR)
HIST 110	History of the United States II (C,M,MMR)	PSYC 101	General Psychology (C,M,MMR)
HIST 115A	History of the Americas I (C,M,MMR)	* PSYC 111	Psychological/Social Aspects of Aging, Death and Dying (C,M)
HIST 115B	History of the Americas II (C,M,MMR)	<b>PSYC 112</b>	<b>Interpersonal Relations (M)</b>
* HIST 120	Introduction to Asian Civilizations (C,M,MMR)	PSYC 121	Introduction to Child Psychology (M)
* HIST 121	Asian Civilizations in Modern Times (C,M,MMR)	PSYC 123	Adolescent Psychology (C,MMR)
HIST 123	U.S. History from the Asian Pacific American Perspective (C,M,MMR)	PSYC 133	Psychology of Women (M,MMR)
HIST 130	The Modern Middle East (M)	* PSYC 135	Marriage and Family Relations (C,M,MMR)
* HIST 131	Latin America Before Independence (M)	* PSYC 137	Human Sexual Behavior (C,M,MMR)
* HIST 132	Latin America Since Independence (M)	PSYC 155	Introduction to Personality (C,M,MMR)
HIST 135	History of Technology (M)	PSYC 166	Introduction to Social Psychology (C,M,MMR)
HIST 141	Women in United States History I (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)	EXSC 126A	Cardio Conditioning I (C,M,MMR)
RTVF 101	Media Law and Ethics (C)	EXSC 126B	Cardio Conditioning II (C,M,MMR)
RTVF 162	Women in Film (C)	EXSC 126C	Cardio Conditioning III (C,M,MMR)
SOCO 101	Principles of Sociology (C,M,MMR)	EXSC 126D	Cardio Conditioning IV (C,M,MMR)
SOCO 110	Contemporary Social Problems (C,M,MMR)	EXSC 134	Adapted Weight Training (C,M,MMR)
SOCO 125	Sociology of the Family (C,M)	EXSC 135A	Individual Conditioning I (C,M,MMR)
* SOCO 145	Health and Society (C,M,MMR)	EXSC 135B	Individual Conditioning II (C,M,MMR)
SOCO 150	Sociology of Latinos/Latinas (C,M)	EXSC 135C	Individual Conditioning III (C,M,MMR)
SOCO 201	Advanced Principles of Sociology (C,M,MMR)	EXSC 135D	Individual Conditioning IV (C,M,MMR)
SOCO 207	Introduction to Race and Ethnicity (C,M,MMR)	EXSC 145A	Yoga I (C,M,MMR)
SOCO 220	Introduction to Research Methods in Sociology (C,M,MMR)	EXSC 145B	Yoga II (C,M,MMR)
SOCO 223	Globalization and Social Change (C,M,MMR)	EXSC 145C	Yoga III (C,M,MMR)
SPAN 222	Hispanic Culture and Civilization for Spanish Speakers (M)	EXSC 145D	Yoga IV (C,M,MMR)
SUST 101	Introduction to Sustainability (C,M,MMR)	EXSC 294	Health and Wellness Coaching (C)
WMNS 101	Introduction to Gender and Women's Studies (M)	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)

## 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)

**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).

* AAPI 124	<b>Introduction to Asian American and Pacific Islander Studies (C,M,MMR)</b>
* AAPI 125	<b>Asian American and Pacific Islander Identities and Cultures (M)</b>
* AAPI 130	<b>Asian American and Pacific Islander Women (M)</b>
* BLAS 100	Introduction to Black Studies (C,M,MMR)
* BLAS 140A	<b>African American History to Reconstruction (C,M,MMR)</b>
* BLAS 140B	<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 or removes information for the following pages 197-199:

## Associate of Arts Degree: Communication Studies

The Associate of Arts in Communication Studies certifies that a student has emphasized the theory and practice of communication skills, has met the preparation for the major in Communication, and is prepared to begin upper division work at a four-year college or university.

<b>Courses Required for the Major:</b>	<b>Units</b>
COMS 103 Oral Communication	3

### Select 15 units from:

COMS 101 Voice and Articulation	3
COMS 104 Advanced Public Communication	3
COMS 111 Oral Interpretation	3
COMS 117A Intercollegiate Forensics	1-3
COMS 117B Intercollegiate Forensics	1-3
COMS 117C Intercollegiate Forensics	1-3
COMS 117D Intercollegiate Forensics	1-3
COMS 135 Interpersonal Communication	3
COMS 160 Argumentation	3
COMS 170 Small Group Communication	3
COMS 180 Intercultural Communication	3
COMS 290 Independent Study	1-3

**Total Units = 18**

For graduation requirements see **Requirements for the Associate Degree** on page 110.

The following is added to/replaces or removes information for the following pages 235:

## Associate of Science Degree: Fermentation Management

<b>Courses Required for the Major:</b>	<b>Units</b>
FERM 101 Introduction to Yeast and Fermentation	3
FERM 110 Importing and Distribution	3
FERM 120 Fundamentals of Spirits	2
FERM 130 Flavor and Form	2
FERM 140 Beer Production Laboratory	4
<del>FERM 150 Wine Production Laboratory</del>	<del>4</del>
<del>FERM 160 Retail and Marketing Laboratory</del>	<del>4</del>
HOSP 102 Hospitality Accounting	3
HOSP 111 Food and Beverage Management	3
HOSP 130 Hospitality Law	3
HOSP 270 Work Experience	3
ACCT 116A Financial Accounting	4

Select four (4) units from the following combination of courses:

CHEM 111 Chemistry in Society	3
<b>and</b>	
CHEM 111L Chemistry in Society Laboratory	1
<b>or</b>	
CHEM 152 <sup>1</sup> Introduction to General Chemistry	3
<b>and</b>	
CHEM 152L <sup>1</sup> Introduction to General Chemistry Laboratory	1

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

Select three (3) units from one of the following courses:

BUSE 115 Statistics for Business	3
<b>or</b>	
MATH 119 Elementary Statistics	3
<b>or</b>	
MATH 121 <sup>1</sup> Basic Techniques of Applied Calculus I	3

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

**Total Units = 45-37**

For graduation requirements see **Requirements for the Associate Degree** on page 110.

**Electives as needed to meet minimum of 60 units required for the degree.**

The following is a correction to the total units for the award:

## Personal Growth

### Certificate of Achievement: Self-Advocacy and Social Awareness

This certificate of achievement uses an interdisciplinary approach that starts with self-awareness, personal development, and communication skills, so that students can effectively communicate, convey, negotiate or assert their own interests, desires, needs and rights. Required courses in United States history from various perspectives and courses in multicultural studies, environmental and social justice develop awareness of these issues in the larger community. Students can then apply their self-advocacy and social awareness skills to make meaningful contributions as global citizens.

#### **Courses Required for the Major: Units**

##### **Personal Development and Self-Advocacy - Select 4.5 - 6 units (2 courses) from the following:**

PERG 110	Introduction to College	1.5
PERG 120	College Success and Lifelong Learning	3.0
PERG 130	Career - Life Planning	3.0
PERG 140	Life Skills and Personal Adjustment	3.0
PERG 160	Stress Management & Well-Being in the Modern World	3.0

##### **Communication Skills - Select 3 units (1 course) from the following:**

COMS 103	Oral Communication	3.0
COMS 135	Interpersonal Communication	3.0
COMS 170	Small Group Communication	3.0
COMS 180	Intercultural Communication	3.0

##### **US History from Various Perspectives - Select 3 units (1 course) from the following:**

BLAS 140A	History of the U.S., Black Perspectives	3.0
BLAS 140B	History of the U.S., Black Perspectives	3.0
CHIC 141A	United States History from a Chicano Perspective	3.0
CHIC 141B	United States History from a Chicano Perspective	3.0
HIST 115A	History of the Americas I	3.0
HIST 115B	History of the Americas II	3.0
HIST 123	U.S. History from the Asian Pacific American Perspective	3.0
HIST 150	Native Americans in United States History I	3.0

HIST 151	Native Americans in United States History II	3.0
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##### **Multicultural Studies and Environmental and Social Justice - Select 6 units (2 courses not selected above) from 2 different subject areas**

AAPI 124	Introduction to Asian American and Pacific Islander Studies	3.0
AAPI 125	Asian American and Pacific Islander Identities and Cultures	3.0
AAPI 130	Asian American and Pacific Islander Women	3.0
AMSL 150	Introduction to Deaf Culture	3.0
ANTH 103	Introduction to Cultural Anthropology	3.0
ANTH 117	Anthropology of Gender and Sexuality	3.0
ARTF 108	Women in Art	3.0
ARTF 120	Native American Art	3.0
ARTF 188	Women and Gender in Photography	3.0
ARTF 191	Cultural Influences on Photography	3.0
BIOL 120	The Environment of Man	3.0
BLAS 100	Introduction to Black Studies	3.0
BLAS 104	Black Psychology	3.0
BLAS 110	African American Art	3.0
BLAS 116	Contemporary Social Problems from a Black Perspective	3.0
BLAS 125	Dynamics of the Black Community	3.0
BLAS 130	The Black Family	3.0
BLAS 140A <sup>1</sup>	History of the U.S., Black Perspectives	3.0
BLAS 140B <sup>1</sup>	History of the U.S., Black Perspectives	3.0
BLAS 150	Black Women in Literature, Film and the Media	3.0
BLAS 155	African American Literature	3.0
BLAS 165	Sexuality and Black Culture	3.0
BLAS 175	Psycho-History of Racism and Sexism	3.0
CHEM 111	Chemistry in Society	3.0
CHIC 110A	Introduction to Chicana and Chicano Studies	3.0
CHIC 110B	Introduction to Chicana and Chicano Studies	3.0
CHIC 135	Chicana/o Literature	3.0
CHIC 140	Chicana/o Sociology	3.0
CHIC 141A <sup>1</sup>	United States History from a Chicano Perspective	3.0
CHIC 141B <sup>1</sup>	United States History from a Chicano Perspective	3.0
CHIC 170	La Chicana	3.0
CHIC 190	Chicano Images in Film	3.0
CHIC 210	Chicano Culture	3.0
CHIC 230	Chicano Art	3.0
CHIL 101	Human Growth and Development	3.0
CHIL 141	The Child, Family and Community	3.0
COMS 180 <sup>1</sup>	Intercultural Communication	3.0

ENGL 230	Asian American Literature	3.0
ENGL 234	Hip Hop Literature: A Poetry Class	3.0
FASH 122	Ethnic Costume	3.0
FILI 100	Filipino American Experience	3.0
HEAL 104	Public Health and Social Justice	3.0
HIST 115A <sup>1</sup>	History of the Americas I	3.0
HIST 115B <sup>1</sup>	History of the Americas II	3.0
HIST 123 <sup>1</sup>	U.S. History from the Asian Pacific American Perspective	3.0
HIST 141	Women in United States History I	3.0
HIST 142	Women in United States History II	3.0
HIST 150 <sup>1</sup>	Native Americans in United States History I	3.0
HIST 151 <sup>1</sup>	Native Americans in United States History II	3.0
HUMA 106	World Religions	3.0
MUSI 117	Music in the United States	3.0
MUSI 126	Rap Music and Hip Hop Culture	3.0
NUTR 153	Cultural Foods	3.0
PHIL 126	Introduction to Philosophy of Contemporary Gender Issues	3.0
PHIL 131	Environmental Ethics	3.0
POLI 121	American Political Development	3.0
POLI 123	Gender and Politics	3.0
PSYC 133	Psychology of Women	3.0
PSYC 166	Introduction to Social Psychology	3.0
PSYC 230	Psychology of Lifespan Development	3.0
SOCO 101	Principles of Sociology	3.0
SOCO 110	Contemporary Social Problems	3.0
SOCO 125	Sociology of the Family	3.0
SOCO 150	Sociology of Latinos/Latinas	3.0
SOCO 207	Introduction to Race and Ethnicity	3.0
SOCO 223	Globalization and Social Change	3.0
SUST 101	Introduction to Sustainability	3.0
WMNS 101	Introduction to Gender and Women's Studies	3.0

**Total Units = 1616.5-18**

**Note:** <sup>1</sup>If not select previously from other categories.

For graduation requirements see **Requirements for the Associate Degree** on page 110.

**Electives as needed to meet minimum of 60 units required for the degree.**

**The following is added to/replaces or removes information for the following pages 301:**

## Associate of Science Degree: Physical Sciences

### Courses Required for the Major: Units

GEOL 100	Physical Geology	3
GEOL 101	Physical Geology Laboratory	1

#### At least 4 units from the following:

ASTR 101	Descriptive Astronomy	3
ASTR 102	Exploring The Solar System And Life Beyond The Earth	3
ASTR 109	Practice in Observing	1
ASTR 111	Astronomy Laboratory	1
GEOL 104	Earth Science	3
GEOL 120	Earth Science Laboratory	1
GEOL 130	Field Geology of San Diego County	4
PHYN 114	Weather and Climate	3

#### At least 8 units from the following:

CHEM 100	Fundamentals of Chemistry	3
CHEM 100L	Fundamentals of Chemistry 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

#### At least 3 units from the following:

GEOG 101	Physical Geography	3
GEOG 101L	Physical Geography Laboratory	1

#### At least 8 units from the following:

PHYS 100	Introductory Physics	4
PHYS 125	General Physics	5
PHYS 126	General Physics II	5
PHYS 195	Mechanics	5
PHYS 196	Electricity and Magnetism	5
PHYS 197	Waves, Optics and Modern Physics	5

#### At least 8 units from the following:

<del>MATH 96</del>	<del>Intermediate Algebra and Geometry</del>	<del>5</del>
MATH 104	Trigonometry	3
MATH 118	Math for the Liberal Arts Student	3
MATH 119	Elementary Statistics	3
<b>or</b>		
PSYC 258	Behavioral Science Statistics	3
MATH 141	Precalculus	5

MATH 150	Calculus with Analytic Geometry I	5
MATH 151	Calculus with Analytic Geometry II	4
MATH 252	Calculus with Analytic Geometry III	4

**Total Units = 35**

For graduation requirements see **Requirements for the Associate Degree** on page 110.

**Electives (Mesa College) as needed to meet minimum of 60 units required for the degree.**

**The following is added to/replaces or removes information for the following pages 326:**

## 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.

## 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 366-367:**

## 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 379:**

## 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.

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

## 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.