

SADDLEBACK COLLEGE SUMMER REVIEW COMMITTEE

AGENDA

College Mission: Saddleback College empowers its diverse student body to achieve personal, academic, and economic advancement through equitable and innovative educational experiences.

Wednesday, August 6, 2025

The meeting starts promptly at **2:00PM in LRC 337**

- 1. Approval of Minutes – June 25, 2025, p. 2**
- 2. Approval of Agenda**
- 3. DE Addenda (CHEM 3 & HORT 20H) for Academic Year 2025-26 – Consent Item, p. 3**
- 4. Proposed Program Revision (Sustainable Food Systems Certificate of Achievement) for Academic Year 2025-26 (Fall) – Consent Item, p. 4**
- 5. Proposed Program Revision (Cal-GETC Certificate of Achievement) for Academic Year 2025-26 (Spring) – Consent Item, p. 5-16**
- 6. Announcements**
 - A. The first Curriculum Committee meeting of the fall semester is on Tuesday, August 26th at 3pm in AGB 106.
 - B. The first GE Committee meeting of the fall semester is on Tuesday, September 9th at 4pm in AGB 106.
- 7. Adjourn**

SADDLEBACK COLLEGE SUMMER REVIEW COMMITTEE

MINUTES

College Mission: Saddleback College empowers its diverse student body to achieve personal, academic, and economic advancement through equitable and innovative educational experiences.

Wednesday, June 25, 2025

The meeting starts promptly at **2:00PM in LRC 337**

Attendees

- | | |
|--------------------------|--------------------------------------|
| 1. Michelle Duffy | Curriculum Chair |
| 2. Stephanie Di Alto | Curriculum Specialist |
| 3. Aimee Tran | Articulation Officer |
| 4. Linda Call | Health and Wellness |
| 5. Farida Gabdrakhmanova | Arts, Media, Performance, and Design |
| 6. Annie Gilbert | Extended Learning |
| 7. Lori Hoolihan | Health and Wellness |
| 8. June Millovich | Humanities and Social Sciences |

Approval of Minutes

Annie Gilbert made a motion to approve the minutes, it was seconded by Linda Call, and the motion passed unanimously.

Approval of Agenda

Annie made a motion to approve the agenda, it was seconded by June Millovich, and the motion passed unanimously.

Proposed Course Revisions for Academic Year 2026-27

Annie made a motion to approve the proposed course revisions for academic year 2026-27, it was seconded by Farida Gabdrakhmanova, and the motion passed unanimously.

Announcements

The last Summer Review Committee meeting is on Wednesday, August 6th in LRC 337 at 2:00pm.

Adjourn

The meeting adjourned at 2:09pm.

School/ Division	Course Id	Catalog Id	Course Title	Action Taken
				assign=assignments
				CA Classification code (J=workforce prep, K=other noncredit enhanced funding, L=not eligible for enhanced funding, Y=credit course)
				cat desc= catalog description
				c/l w/+ cross-listed with (and list the other crs id)
				coreq=corequisite
				crs id=course prefix and/or number
				dc=delete course
				DE=distance education
				dv=delete version of course
				gr opt=grading option
				hrs=hours
				lim=limitation
				lrng obj=learning objectives
				moe=methods of eval
				nc=new course
				nv=new version of existing course
				oe/oe=open entry/open exit
				prreq=prerequisite
				pcs = program course status
				reactv=course reactivation
				rec prep=recommended prep
				rpt=repeatability
				SAM code=occupational code (A=apprenticeship, B=advanced occupational, C=clearly occupational, D=possibly occupational, E=non-occupational)
				sch desc=schedule description
				SLOs=student learning outcomes
				sr=scheduled review is for courses that are scheduled for review and there are no revisions
				ti=title
				TOP code=numerical classification code used to assign programs and courses to disciplines
				tps=topics
				txt=text-required for all courses numbered 1-299
				un=units
				val=validation
SM	CHEM 3	50110.00	FUNDAMENTAL CHEMISTRY	DE
SM	HORT 20H	18060.20	HONORS HORT SCI	DE

SADDLEBACK COLLEGE
 REVISED PROGRAM
 ACADEMIC YEAR 2025-2026

**Current
 Sustainable Food Systems
 Certificate of Achievement**

Achieving a healthy and sustainable food future is an urgent matter that depends on collaborative efforts among scientists, policy makers, nutritionists, farmers and environmentalists. The Sustainable Food Systems certificate will train students to relate food intake and dietary patterns to their environmental impact, both on individual and population levels. Students will critically assess and apply research on sustainable food systems to optimal dietary patterns and will learn to quantify resource use and manage waste for food production and consumption. Students will learn how to plan and develop sustainable diets—diets with low environmental impact that contribute to food and nutrition security and to healthy life for present and future generations.

The certificate will prepare students for a variety of entry-level employment opportunities in governmental programs, school districts, restaurants and food establishments, the public health arena and nutritional and agricultural settings. The certificate can also be used to help those already in the field of nutrition further specialize their knowledge and experience.

Program Student Learning Outcomes

Students who complete this program will be able to:

- Identify and describe the factors that contribute to the sustainability of meals and diets.
- Determine how the sustainability of different dietary patterns could be improved without compromising nutritional health.
- Assess and apply credible research on sustainable food systems to optimal dietary patterns, quantifying resource use and minimizing waste in food systems.

Required Core

NUTR 50	Fundamentals of Nutrition	3
NUTR 206	Sustainable Nutrition and Food Systems	3
FN 171**	Sanitation and Safety	2
or		
FN 210**	ServSafe in Food Production	1
FN 120*	Sustainable Meals	3
HORT 110	Introduction to Urban Farming	3

Total Units for the Certificate 12-14

*Students with valid California ServSafe Certification may have this core requirement waived.

*Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

**Revised
 Sustainable Food Systems
 Certificate of Achievement**

Achieving a healthy and sustainable food future is an urgent matter that depends on collaborative efforts among scientists, policy makers, nutritionists, farmers and environmentalists. The Sustainable Food Systems certificate will train students to relate food intake and dietary patterns to their environmental impact, both on individual and population levels. Students will critically assess and apply research on sustainable food systems to optimal dietary patterns and will learn to quantify resource use and manage waste for food production and consumption. Students will learn how to plan and develop sustainable diets—diets with low environmental impact that contribute to food and nutrition security and to healthy life for present and future generations.

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Required Core

NUTR 50	Fundamentals of Nutrition	3
NUTR 206	Sustainable Nutrition and Food Systems	3
<u>CUL 171**</u>	Sanitation and Safety	2
<u>CUL 120*</u>	<u>Introduction to Food Systems</u>	3
HORT 110	Introduction to Urban Farming	3

Total Units for the Certificate 12-14

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SADDLEBACK COLLEGE
REVISED PROGRAM
ACADEMIC YEAR 2025-2026

**Current
Cal-GETC
Certificate of Achievement**

The California General Education Transfer Curriculum (Cal-GETC) is an interdisciplinary program that allows students to acquire and integrate knowledge in the areas of English Communication (composition, critical thinking and oral), quantitative reasoning, scientific inquiry, arts, humanities, social sciences, and ethnic studies.

Students may earn a Certificate of Achievement upon completion of the California General Education Transfer Curriculum (Cal-GETC) with a minimum of 34 units. Courses must be completed with a "C" grade or better or "Pass". The Cal-GETC should be completed by students who intend to transfer to the University of California (UC), California State University (CSU) and may also be accepted at some private/independent or out of state universities. See www.assist.org for more information.

Program Student Learning Outcomes

Students who complete this program will be able to:

- Demonstrate effective English Communication through writing, critical thinking and oral communication.
- Develop, present, use, and critique quantitative arguments.
- Understand the nature and richness of human culture and social structures through a comparative approach.
- Recognize the contributions to knowledge, civilization, and society that have been made by men, women, and members of various ethnic or cultural groups.
- Explain basic scientific concepts of the physical and biological aspects of the world.

Area 1: English Communication (Complete three courses - minimum 9 semester or 12 quarter units)

1A. English Composition (Complete one course - minimum 3 semester or 4 quarter units)

ENGL C1000* Academic Reading and Writing 4
or

ENGL C1000H* Academic Reading and Writing - Honors 4

1B. Critical Thinking and Composition (Complete one course - minimum 3 semester or 4 quarter units)

ENGL C1001* Critical Thinking and Writing 3
or

ENGL C1001H* Critical Thinking and Writing - Honors 3

ENG 2* Argumentative Writing and Critical Thinking Thru Literature 3

ENG 70* Critical Thinking, Reading, and Writing 3

1C. Oral Communication (Complete one course - minimum 3 semester/4 quarter units)

COMM C1000 Introduction to Public Speaking 3

COMM C1000H Introduction to Public Speaking - Honors 3

**Revised
Cal-GETC
Certificate of Achievement**

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Students may earn a Certificate of Achievement upon completion of the California General Education Transfer Curriculum (Cal-GETC) with a minimum of 34 units. Courses must be completed with a "C" grade or better or "Pass". The Cal-GETC should be completed by students who intend to transfer to the University of California (UC), California State University (CSU) and may also be accepted at some private/independent or out of state universities. See www.assist.org for more information.

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- Recognize the contributions to knowledge, civilization, and society that have been made by men, women, and members of various ethnic or cultural groups.
- Explain basic scientific concepts of the physical and biological aspects of the world.

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1A. English Composition (Complete one course - minimum 3 semester or 4 quarter units)

ENGL C1000* Academic Reading and Writing 4
or

ENGL C1000H* Academic Reading and Writing - Honors 4

1B. Critical Thinking and Composition (Complete one course - minimum 3 semester or 4 quarter units)

ENGL C1001* Critical Thinking and Writing 3
or

ENGL C1001H* Critical Thinking and Writing - Honors 3

ENG 2* Argumentative Writing and Critical Thinking Thru Literature 3

ENG 70* Critical Thinking, Reading, and Writing 3

1C. Oral Communication (Complete one course - minimum 3 semester/4 quarter units)

COMM C1000 Introduction to Public Speaking 3

COMM C1000H Introduction to Public Speaking - Honors 3

SADDLEBACK COLLEGE
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ACADEMIC YEAR 2025-2026

Area 2: Mathematical Concepts and Quantitative Reasoning (Complete one course - minimum 3 semester or 4 quarter units)

BUS 10*	Business Statistics	3
CS 30A*	Computer Discrete Mathematics I	3
or		
MATH 30A*	Computer Discrete Mathematics I	3
CS 30B*	Computer Discrete Mathematics II	3
or		
MATH 30B*	Computer Discrete Mathematics II	3
MATH 2*+	Pre-Calculus Mathematics	5
MATH 3A*+	Analytic Geometry and Calculus	5
or		
MATH 3AH*+	Honors Analytic Geometry and Calculus	5
MATH 3B*	Analytic Geometry and Calculus	5
MATH 3C*	Analytic Geometry and Calculus	5
MATH 8*+	College Algebra for Brief Calculus	5
MATH 11*+	A Brief Course in Calculus	5
MATH 24*	Elementary Differential Equations	4
MATH 26*	Introduction to Linear Algebra	4
MATH 30A*	Computer Discrete Mathematics I	3
or		
CS 30A*	Computer Discrete Mathematics I	3
MATH 30B*	Computer Discrete Mathematics II	3
or		
CS 30B*	Computer Discrete Mathematics II	3
PSYC 44*	Statistics for the Behavioral Sciences	3
STAT C1000*	Introduction to Statistics	3

Area 3: Arts and Humanities (Complete two courses - minimum 6 semester or 8 quarter units)
Complete one course from Area 3A (Arts) and one course from Area 3B (Humanities).

<i>3A. Arts</i>		
ARCH 12	History of Architecture	3
ARCH 14	California Architecture	3
ART 4	Fundamentals of Art	3
ARTH 20	Art Appreciation	3
ARTH 21	Women and Art	3
ARTH 22	Survey of Asian Art (India, China, Japan, and Korea)	3
ARTH 23	African, Oceanic, and Ancient North American Art	3
ARTH 24	Indigenous Arts of the Americas	3
ARTH 25	Survey of Art History - Ancient Worlds to Gothic	3
ARTH 26*	Survey of Western Art History - Renaissance to Contemporary	3
ARTH 29	Introduction to World Art	3

Area 2: Mathematical Concepts and Quantitative Reasoning (Complete one course - minimum 3 semester or 4 quarter units)

BUS 10*	Business Statistics	3
CS 30A*	Computer Discrete Mathematics I	3
or		
MATH 30A*	Computer Discrete Mathematics I	3
CS 30B*	Computer Discrete Mathematics II	3
or		
MATH 30B*	Computer Discrete Mathematics II	3
MATH 2*+	Pre-Calculus Mathematics	5
MATH 3A*+	Analytic Geometry and Calculus	5
or		
MATH 3AH*+	Honors Analytic Geometry and Calculus	5
MATH 3B*	Analytic Geometry and Calculus	5
MATH 3C*	Analytic Geometry and Calculus	5
MATH 8*+	College Algebra for Brief Calculus	5
MATH 11*+	A Brief Course in Calculus	5
MATH 24*	Elementary Differential Equations	4
MATH 26*	Introduction to Linear Algebra	4
MATH 30A*	Computer Discrete Mathematics I	3
or		
CS 30A*	Computer Discrete Mathematics I	3
MATH 30B*	Computer Discrete Mathematics II	3
or		
CS 30B*	Computer Discrete Mathematics II	3
PSYC 44*	Statistics for the Behavioral Sciences	3
STAT C1000*	Introduction to Statistics	3

or

STAT C1000H* Introduction to Statistics – Honors 3

Area 3: Arts and Humanities (Complete two courses - minimum 6 semester or 8 quarter units)
Complete one course from Area 3A (Arts) and one course from Area 3B (Humanities).

<i>3A. Arts</i>		
ARCH 12	History of Architecture	3
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ARTH 29	Introduction to World Art	3

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ARTH 30	History of Modern Art 1825-1945	3
ARTH 32	Survey of Contemporary Art	3
CTVR 2	History and Appreciation of Television Broadcasting	3
CTVR 3	The History and Appreciation of American Cinema	3
CTVR 5	History and Appreciation of International Cinema	3
CTVR 7	Cross Cultural Cinema	3
CTVR 9	Women in Cinema and Television	3
DANC 64	History of Dance	3
DANC 74	Multicultural Dance History in the United States	3
FA 27	Introduction to Fine Arts	3
or		
FA 27H	Honors Introduction to Fine Arts	3
GD 1	History of Animation	3
GD 2	History of Graphic Design	3
MUS 20	Music Appreciation	3
MUS 23	Introduction to World Music	3
MUS 24	Music Since 1900	3
MUS 27	History of Jazz	3
MUS 28	History of Rock	3
PHOT 25	History of Photography	3
TA 20	Theatre Appreciation	3
TA 22	Musical Theatre History and Appreciation	3
<i>3B. Humanities</i>		
ARAB 2*	Elementary Arabic	5
ARAB 3*	Intermediate Arabic	5
ARAB 4*	Intermediate Arabic	5
ARAB 21	Introduction to Arabic Culture	3
CHI 2*	Elementary Chinese	5
CHI 3*	Intermediate Chinese	5
CHI 4*	Intermediate Chinese	5
CHI 21*	Introduction to Chinese Culture and Influence in the U.S.	3

ARTH 30	History of Modern Art 1825-1945	3
ARTH 32	Survey of Contemporary Art	3
CTVR 2	History and Appreciation of Television Broadcasting	3
CTVR 3	The History and Appreciation of American Cinema	3
or		
CTVR 3H	Honors History and Appreciation of American Cinema	3
CTVR 5	History and Appreciation of International Cinema	3
CTVR 7	Cross Cultural Cinema	3
CTVR 9	Women in Cinema and Television	3
DANC 64	History of Dance	3
DANC 74	Multicultural Dance History in the United States	3
FA 27	Introduction to Fine Arts	3
or		
FA 27H	Honors Introduction to Fine Arts	3
FASH 44	Fashion Trends and Cultural Costumes	3
GD 1	History of Animation	3
GD 2	History of Graphic Design	3
HORT 15	History of Landscape Design	3
ID 22	History of Interior Architecture and Furnishings I	3
ID 25	History of Interior Architecture and Furnishings II	3
KNES 32	Sports and Film	3
MUS 20	Music Appreciation	3
MUS 23	Introduction to World Music	3
MUS 24	Music Since 1900	3
MUS 25*	Music History to Mozart C. 1750	3
MUS 26*	Music History Since Mozart from C. 1750	3
MUS 27	History of Jazz	3
MUS 28	History of Rock	3
PHOT 25	History of Photography	3
TA 20	Theatre Appreciation	3
TA 22	Musical Theatre History and Appreciation	3

3B. Humanities

ARAB 2*	Elementary Arabic	5
ARAB 3*	Intermediate Arabic	5
ARAB 4*	Intermediate Arabic	5
ARAB 21	Introduction to Arabic Culture	3
CHI 2*	Elementary Chinese	5
CHI 3*	Intermediate Chinese	5
CHI 4*	Intermediate Chinese	5
CHI 21*	Introduction to Chinese Culture and Influence in the U.S.	3

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ENG 15A	Survey of American Literature - 1620-1860	3
ENG 15B	Survey of American Literature - 1860-Contemporary	3
ENG 17A	Survey of English Literature - Beowulf to Romantic Movement	3
ENG 17B	Survey of English Lit – Romantic Movement to the Present	3
ENG 18	Shakespeare - The Tragedies	3
ENG 21A	World Literature - Ancient to 17 th Century	3
ENG 21B	World Literature – 17 th Century to Modern Period	3
ENG 22	Introduction to Shakespeare	3
or		
ENG 22H	Honors Introduction to Shakespeare	3
ENG 24	Ethnic Voices in Literature - The American Experience	3
ENG 25*	Introduction to Literature	3
or		
ENG 25H*	Honors Introduction to Literature	3
ENG 27A	Introduction to the Novel	3
or		
ENG 27AH	Honors Introduction to the Novel	3
ENG 44	Classical Mythology	3
ENG 52	The Film as Literature	3
FR 2*	Elementary French	5
FR 3*	Intermediate French	5
FR 4*	Intermediate French	5
FR 21*	Introduction to French Culture	3
GER 2*	Elementary German	5
GER 3*	Intermediate German	5
GER 4*	Intermediate German	5
GER 21	Introduction to German Culture	3
HEBR 2*	Elementary Hebrew	5
HIST 4	World History to 1500	3
HIST 5	World History Since 1500	3
HIST 16+‡	History of the United States to 1876	3
HIST 17+‡	History of the United States Since 1876	3
HIST 30‡	History of Mexico	3
HIST 70‡	History of Asia to 1800	3
HIST 71‡	History of Asia Since 1800	3
HIST 72‡	History of China	3
HIST 75‡	History of the Modern Middle East	3
HON 11H*	Honors Culture, Science, Society - Renaissance	3
HON 12H*	Honors Culture, Science, Society - The Postmodern World	3

ENG 15A	Survey of American Literature - 1620-1860	3
ENG 15B	Survey of American Literature - 1860-Contemporary	3
ENG 17A	Survey of English Literature - Beowulf to Romantic Movement	3
ENG 17B	Survey of English Lit – Romantic Movement to the Present	3
ENG 18	Shakespeare - The Tragedies	3
ENG 21A	World Literature - Ancient to 17 th Century	3
ENG 21B	World Literature – 17 th Century to Modern Period	3
ENG 22	Introduction to Shakespeare	3
or		
ENG 22H	Honors Introduction to Shakespeare	3
ENG 24	Ethnic Voices in Literature - The American Experience	3
ENG 25*	Introduction to Literature	3
or		
ENG 25H*	Honors Introduction to Literature	3
ENG 27A	Introduction to the Novel	3
or		
ENG 27AH	Honors Introduction to the Novel	3
ENG 42	Children's Literature	3
ENG 44	Classical Mythology	3
ENG 52	The Film as Literature	3
ENG 55	Science Fiction and Society	3
FR 2*	Elementary French	5
FR 3*	Intermediate French	5
FR 4*	Intermediate French	5
FR 21*	Introduction to French Culture	3
GER 2*	Elementary German	5
GER 3*	Intermediate German	5
GER 4*	Intermediate German	5
GER 21	Introduction to German Culture	3
HEBR 2*	Elementary Hebrew	5
HIST 4	World History to 1500	3
HIST 5	World History Since 1500	3
HIST 16+‡	History of the United States to 1876	3
HIST 17+‡	History of the United States Since 1876	3
HIST 30‡	History of Mexico	3
HIST 70‡	History of Asia to 1800	3
HIST 71‡	History of Asia Since 1800	3
HIST 72‡	History of China	3
HIST 75‡	History of the Modern Middle East	3
HON 11H*	Honors Culture, Science, Society - Renaissance	3
HON 12H*	Honors Culture, Science, Society - The Postmodern World	3

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HON 13H*	Honors Culture, Science, Society - Power, Resistance, Empire	3	HON 13H*	Honors Culture, Science, Society - Power, Resistance, Empire	3
HON 14H*	Honors Culture, Science, Society - Transformation of Empire	3	HON 14H*	Honors Culture, Science, Society - Transformation of Empire	3
HUM 1	Introduction to Humanities	3	HUM 1	Introduction to Humanities	3
HUM 2	Origins of Western Culture in Literature	3	HUM 2	Origins of Western Culture in Literature	3
HUM 21	The Search for Meaning - Ideas of Self Across Cultures	3	HUM 21	The Search for Meaning - Ideas of Self Across Cultures	3
ITA 2*	Elementary Italian	5	ITA 2*	Elementary Italian	5
ITA 21*	Introduction to Italian Culture	3	ITA 21*	Introduction to Italian Culture	3
JA 2*	Elementary Japanese	5	JA 2*	Elementary Japanese	5
JA 3*	Intermediate Japanese	5	JA 3*	Intermediate Japanese	5
JA 4*	Intermediate Japanese	5	JA 4*	Intermediate Japanese	5
JA 21*	Introduction to Japanese Culture	3	JA 21*	Introduction to Japanese Culture	3
KOR 2*	Elementary Korean	5	KOR 2*	Elementary Korean	5
KOR 3*	Intermediate Korean	5	KOR 3*	Intermediate Korean	5
KOR 4*	Intermediate Korean	5	KOR 4*	Intermediate Korean	5
KOR 21*	Introduction to Korean Culture	3	KOR 21*	Introduction to Korean Culture	3
PHIL 1	Introduction to Philosophy	3	PHIL 1	Introduction to Philosophy	3
or			or		
PHIL 1H	Honors Introduction to Philosophy	3	PHIL 1H	Honors Introduction to Philosophy	3
PHIL 5	History of Modern Philosophy	3	PHIL 5	History of Modern Philosophy	3
PHIL 10	World Religions	3	PHIL 10	World Religions	3
PHIL 14*	Philosophy of Religion	3	PHIL 14*	Philosophy of Religion	3
PHIL 15	Introduction to Ethics	3	PHIL 15	Introduction to Ethics	3
PORT 2*	Elementary Portuguese	5	PORT 2*	Elementary Portuguese	5
PORT 3*	Intermediate Portuguese	5	PORT 3*	Intermediate Portuguese	5
PORT 4*	Intermediate Portuguese	5	PORT 4*	Intermediate Portuguese	5
PRSN 2*	Elementary Persian	5	PRSN 2*	Elementary Persian	5
PRSN 3*	Intermediate Persian	5	PRSN 3*	Intermediate Persian	5
PRSN 4*	Intermediate Persian	5	PRSN 4*	Intermediate Persian	5
PRSN 21*	Introduction to Persian Culture	3	PRSN 21*	Introduction to Persian Culture	3
SL 2*	American Sign Language II	4	SL 2*	American Sign Language II	4
SL 3*	American Sign Language III	4	SL 3*	American Sign Language III	4
SL 4*	American Sign Language IV	4	SL 4*	American Sign Language IV	4
SPAN 2*	Elementary Spanish	5	SPAN 2*	Elementary Spanish	5
or			or		
SPAN 2H*	Honors Elementary Spanish	5	SPAN 2H*	Honors Elementary Spanish	5
SPAN 3*	Intermediate Spanish	5	SPAN 3*	Intermediate Spanish	5
SPAN 4*	Intermediate Spanish	5	SPAN 4*	Intermediate Spanish	5
SPAN 11*	Advanced Conversational Spanish	3	SPAN 11*	Advanced Conversational Spanish	3
SPAN 20A*	Civilization of Spain through 1898	3	SPAN 20A*	Civilization of Spain through 1898	3
SPAN 20B*	Civilization of Spain 1898 to Present	3	SPAN 20B*	Civilization of Spain 1898 to Present	3
SPAN 21A*	Civilization of Latin America through 1900	3	SPAN 21A*	Civilization of Latin America through 1900	3

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SPAN 21B*	Civilization of Latin America 1900-Present	3
SPAN 21C*	Hispanic Culture and Literature in the United States	3

SPAN 21B*	Civilization of Latin America 1900-Present	3
SPAN 21C*	Hispanic Culture and Literature in the United States	3

Area 4: Social and Behavioral Sciences (Complete two courses - minimum 6 semester or 8 quarter units) Complete two courses from two different academic disciplines.

ANTH 2	Cultural Anthropology	3
or		
ANTH 2H	Honors Cultural Anthropology	3
ANTH 3*	Culture and Language	3
ANTH 4‡	Introduction to Native American Studies	3
or		
ES 4‡	Introduction to Native American Studies	3
ANTH 5	Anthropology of Latin America – Culture, Identity, and Power	3
ANTH 8	World Prehistory	3
ANTH 9	Introduction to Archaeology	3
ANTH 13	Magic, Witchcraft, and Religion	3
ANTH 15	The World of Primates	3
ANTH 17	The Biological Evolution of Human Nature	3
ANTH 22	Medical Anthropology - Culture, Health, and Healing	3
CDE 7	Child Growth and Development	3
CDE 15	Child, Family, and Community	3
COMM 20+	Intercultural Communication	3
CTVR 1	Mass Media and Society	3
or		
JRN 1	Mass Media and Society	3
ECON 2*	Principles (Macro)	3
or		
ECON 2H*	Honors Principles of Macroeconomics	3
ECON 4*	Principles (Micro)	3
or		
ECON 4H*	Honors Principles of Microeconomics	3
ECON 11	International Political Economy	3
or		
PS 11	International Political Economy	3
ENV 1	Introduction to Environmental Studies	3
ENV 6*	Scarcity and Environment	3
ES 1‡	Introduction to Ethnic Studies	3
ES 3‡	Introduction to Chicanx and Latinx Studies	3

Area 4: Social and Behavioral Sciences (Complete two courses - minimum 6 semester or 8 quarter units) Complete two courses from two different academic disciplines.

ANTH 2	Cultural Anthropology	3
or		
ANTH 2H	Honors Cultural Anthropology	3
ANTH 3*	Culture and Language	3
ANTH 4‡	Introduction to Native American Studies	3
or		
ES 4‡	Introduction to Native American Studies	3
ANTH 5	Anthropology of Latin America – Culture, Identity, and Power	3
ANTH 8	World Prehistory	3
ANTH 9	Introduction to Archaeology	3
ANTH 13	Magic, Witchcraft, and Religion	3
ANTH 15	The World of Primates	3
ANTH 17	The Biological Evolution of Human Nature	3
ANTH 22	Medical Anthropology - Culture, Health, and Healing	3
CDE 7	Child Growth and Development	3
CDE 15	Child, Family, and Community	3
COMM 20+	Intercultural Communication	3
CTVR 1	Mass Media and Society	3
or		
JRN 1	Mass Media and Society	3
ECON 2*	Principles (Macro)	3
or		
ECON 2H*	Honors Principles of Macroeconomics	3
ECON 4*	Principles (Micro)	3
or		
ECON 4H*	Honors Principles of Microeconomics	3
ECON 11	International Political Economy	3
or		
PS 11	International Political Economy	3
ENV 1	Introduction to Environmental Studies	3
or		
ENV 1H	Honors Introduction to Environmental Studies	3
ENV 6*	Scarcity and Environment	3
ES 1‡	Introduction to Ethnic Studies	3
or		
ES 1H	Honors Introduction to Ethnic Studies	3
ES 3‡	Introduction to Chicanx and Latinx Studies	3

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ES 4#	Introduction to Native American Studies	3
or		
ANTH 4#	Introduction to Native American Studies	3
ES 6	Borders and Borderlands	3
ES 9	Racial and Ethnic Groups in the United States	3
or		
SOC 9	Racial and Ethnic Groups in the United States	3
ES 10	Race, Ethnicity, and Resistance in the U.S.	3
or		
HIST 10	Race, Ethnicity, and Resistance in the U.S.	3
ES 11	Ethnic Studies, Space, and Social Justice	3
or		
GEOG 11	Ethnic Studies, Space, and Social Justice	3
ES 33	Chicanx - Latinx United States History	3
or		
HIST 33	Chicanx - Latinx United States History	3
ES 81	African American United States History	3
or		
HIST 81	African American United States History	3
GEOG 2	Cultural Geography	3
or		
GEOG 2H	Honors Cultural Geography	3
GEOG 3	World Regional Geography	3
GEOG 11	Ethnic Studies, Space, and Social Justice	3
or		
ES 11	Ethnic Studies, Space, and Social Justice	3
GEOG 38	California Geography	3
GLST 1*	Introduction to Global Studies	3
GLST 2*	Global Issues	3
GSS 10	Introduction to Gender and Sexuality Studies	3
or		
GSS 10H	Honors Intro to Gender and Sexuality Studies	3
GSS 11H	Honors Introduction to Feminist Theory	3
GSS 15	Introduction to Queer Studies	3
GSS 31	Gender and Popular Culture	3
GSS 60	Gender, Race, Sexuality and the Law	3
or		
PS 60	Gender, Race, Sexuality and the Law	3
HIST 10	Race, Ethnicity, and Resistance in the U.S.	3
or		
ES 10	Race, Ethnicity, and Resistance in the U.S.	3

ES 4#	Introduction to Native American Studies	3
or		
ANTH 4#	Introduction to Native American Studies	3
ES 6	Borders and Borderlands	3
ES 9	Racial and Ethnic Groups in the United States	3
or		
SOC 9	Racial and Ethnic Groups in the United States	3
ES 10	Race, Ethnicity, and Resistance in the U.S.	3
or		
HIST 10	Race, Ethnicity, and Resistance in the U.S.	3
ES 11	Ethnic Studies, Space, and Social Justice	3
or		
GEOG 11	Ethnic Studies, Space, and Social Justice	3
ES 33	Chicanx - Latinx United States History	3
or		
HIST 33	Chicanx - Latinx United States History	3
ES 81	African American United States History	3
or		
HIST 81	African American United States History	3
GEOG 2	Cultural Geography	3
or		
GEOG 2H	Honors Cultural Geography	3
GEOG 3	World Regional Geography	3
GEOG 11	Ethnic Studies, Space, and Social Justice	3
or		
ES 11	Ethnic Studies, Space, and Social Justice	3
GEOG 38	California Geography	3
GLST 1*	Introduction to Global Studies	3
GLST 2*	Global Issues	3
GSS 10	Introduction to Gender and Sexuality Studies	3
or		
GSS 10H	Honors Intro to Gender and Sexuality Studies	3
GSS 11H	Honors Introduction to Feminist Theory	3
GSS 15	Introduction to Queer Studies	3
GSS 31	Gender and Popular Culture	3
GSS 60	Gender, Race, Sexuality and the Law	3
or		
PS 60	Gender, Race, Sexuality and the Law	3
HIST 10	Race, Ethnicity, and Resistance in the U.S.	3
or		
ES 10	Race, Ethnicity, and Resistance in the U.S.	3

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HIST 11	Perspectives of Peace Studies	3
HIST 12	Revolutions and Revolts	3
HIST 15	The Vietnam War	3
HIST 16+‡	History of the United States to 1876	3
HIST 17+‡	History of the United States Since 1876	3
HIST 19	United States Since 1945	3
HIST 21	Women in United States History - A Multicultural Perspective	3
HIST 22+	Survey of United States History	3
HIST 27	Latin America - Pre-European to Independent Nationhood	3
HIST 28	Latin America – 1800 to the Present	3
HIST 30‡	History of Mexico	3
HIST 32	California History	3
HIST 33	Chicanx - Latinx United States History	3
or		
ES 33	Chicanx - Latinx United States History	3
HIST 62	European History to 1650	3
HIST 63	European History Since 1650	3
HIST 70‡	History of Asia to 1800	3
HIST 71‡	History of Asia Since 1800	3
HIST 72‡	History of China	3
HIST 74	History of the Middle East to 1800	3
HIST 75‡	History of the Modern Middle East	3
HIST 78	History of Japan	3
HIST 80	Introduction to Contemporary Africa	3
or		
PS 80	Introduction to Contemporary Africa	3
HIST 81	African American United States History	3
or		
ES 81	African American United States History	3
JRN 1	Mass Media and Society	3
or		
CTVR 1	Mass Media and Society	3
KNES 46	Sports and Society	3
POLS C1000	American Government and Politics	3
or		
POLS C1000H	American Government and Politics - Honors	3
PS 4	Introduction to Political Science	3
PS 10H	Honors Political Theory	3
PS 11	International Political Economy	3
or		
ECON 11	International Political Economy	3
PS 12	Comparative Politics and Government	3

HIST 11	Perspectives of Peace Studies	3
HIST 12	Revolutions and Revolts	3
HIST 15	The Vietnam War	3
HIST 16+‡	History of the United States to 1876	3
HIST 17+‡	History of the United States Since 1876	3
HIST 19	United States Since 1945	3
HIST 21	Women in United States History - A Multicultural Perspective	3
HIST 22+	Survey of United States History	3
HIST 27	Latin America - Pre-European to Independent Nationhood	3
HIST 28	Latin America – 1800 to the Present	3
HIST 30‡	History of Mexico	3
HIST 32	California History	3
HIST 33	Chicanx - Latinx United States History	3
or		
ES 33	Chicanx - Latinx United States History	3
HIST 62	European History to 1650	3
HIST 63	European History Since 1650	3
HIST 70‡	History of Asia to 1800	3
HIST 71‡	History of Asia Since 1800	3
HIST 72‡	History of China	3
HIST 74	History of the Middle East to 1800	3
HIST 75‡	History of the Modern Middle East	3
HIST 78	History of Japan	3
HIST 80	Introduction to Contemporary Africa	3
or		
PS 80	Introduction to Contemporary Africa	3
HIST 81	African American United States History	3
or		
ES 81	African American United States History	3
JRN 1	Mass Media and Society	3
or		
CTVR 1	Mass Media and Society	3
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POLS C1000	American Government and Politics	3
or		
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PS 4	Introduction to Political Science	3
PS 10H	Honors Political Theory	3
PS 11	International Political Economy	3
or		
ECON 11	International Political Economy	3
PS 12	Comparative Politics and Government	3

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PS 14	International Relations	3
PS 45	Human Rights in a Globalized World	3
PS 60	Gender, Race, Sexuality and the Law	3
or		
GSS 60	Gender, Race, Sexuality and the Law	3
PS 65	Introduction to Race and Ethnicity in Political Science	3
PS 80	Introduction to Contemporary Africa	3
or		
HIST 80	Introduction to Contemporary Africa	3
PSYC C1000	Introduction to Psychology	3
or		
PSYC C1000H	Introduction to Psychology - Honors	3
PSYC 2*	Research Methods in Psychology	3
or		
PSYC 2H*	Honors Research Methods in Psychology	3
PSYC 4	Introduction to Cognitive Psychology	3
PSYC 5*	Psychological Aspects of Human Sexuality	3
PSYC 7*	Developmental Psychology – Childhood Through Adolescence	3
PSYC 16*	Introduction to Cross-Cultural Psychology	3
PSYC 21	The Psychology of Women	3
PSYC 25*	Psychology of Aging	3
PSYC 30*	Social Psychology	3
or		
SOC 30*	Social Psychology	3
PSYC 33	Psychology of Adjustment	3
PSYC 37*	Abnormal Behavior	3
SOC 1	Introduction to Sociology	3
or		
SOC 1H	Honors Introduction to Sociology	3
SOC 2	Social Problems	3
or		
SOC 2H	Honors Social Problems	3
SOC 9	Racial and Ethnic Groups in the United States	3
or		
ES 9	Racial and Ethnic Groups in the United States	3
SOC 10	Introduction to Marriage and the Family	3
SOC 15*	Socialization of the Child	3
SOC 16	Death and Dying	3
SOC 18	Introduction to Aging	3
SOC 21	Women in Contemporary Society	3
SOC 23	Food and Society	3
SOC 25	Social Stratification	3

PS 14	International Relations	3
PS 45	Human Rights in a Globalized World	3
PS 60	Gender, Race, Sexuality and the Law	3
or		
GSS 60	Gender, Race, Sexuality and the Law	3
PS 65	Introduction to Race and Ethnicity in Political Science	3
PS 80	Introduction to Contemporary Africa	3
or		
HIST 80	Introduction to Contemporary Africa	3
PSYC C1000	Introduction to Psychology	3
or		
PSYC C1000H	Introduction to Psychology - Honors	3
PSYC 2*	Research Methods in Psychology	3
or		
PSYC 2H*	Honors Research Methods in Psychology	3
PSYC 4	Introduction to Cognitive Psychology	3
PSYC 5*	Psychological Aspects of Human Sexuality	3
PSYC 7*	Developmental Psychology – Childhood Through Adolescence	3
PSYC 16*	Introduction to Cross-Cultural Psychology	3
PSYC 21	The Psychology of Women	3
PSYC 25*	Psychology of Aging	3
PSYC 30*	Social Psychology	3
or		
SOC 30*	Social Psychology	3
PSYC 33	Psychology of Adjustment	3
PSYC 37*	Abnormal Behavior	3
SOC 1	Introduction to Sociology	3
or		
SOC 1H	Honors Introduction to Sociology	3
SOC 2	Social Problems	3
or		
SOC 2H	Honors Social Problems	3
SOC 9	Racial and Ethnic Groups in the United States	3
or		
ES 9	Racial and Ethnic Groups in the United States	3
SOC 10	Introduction to Marriage and the Family	3
SOC 12	Sociology of Aging	3
SOC 15*	Socialization of the Child	3
SOC 16	Death and Dying	3
SOC 18	Introduction to Aging	3
SOC 21	Women in Contemporary Society	3
SOC 23	Food and Society	3
SOC 25	Social Stratification	3

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SOC 30	Social Psychology	3
or		
PSYC 30	Social Psychology	3

SOC 30	Social Psychology	3
or		
PSYC 30	Social Psychology	3

Area 5: Physical and Biological Sciences (Complete two courses - minimum 7 semester or 9 quarter units)

Complete one course from Area 5A (Physical Science) and one course from Area 5B (Biological Science). One course MUST include a laboratory (Area 5C).

5A. Physical Science

ASTR 20	General Astronomy	3
ASTR 21	The Solar System	3
or		
GEOL 21	The Solar System	3
CHEM 1A*+	General Chemistry	5
CHEM 1B*+	General Chemistry	5
CHEM 3*+	Fundamental Chemistry	4
CHEM 12A*	Organic Chemistry	5
CHEM 12B*	Organic Chemistry	5
ENV 23	Environmental Geology	4
or		
GEOL 23	Environmental Geology	4
ENV 38	Water Quality and Monitoring	3
GEOG 1	Physical Geography	3
or		
GEOG 1H	Honors Physical Geography	3
GEOL 1+	Introduction to Physical Geology	4
GEOL 2*	Historical Geology	4
GEOL 3	Geology of California	3
GEOL 4	Natural Disasters	3
GEOL 7	Weather and Climate	3
GEOL 20	Introduction to Earth Science	4
GEOL 21	The Solar System	3
or		
ASTR 21	The Solar System	3
GEOL 23	Environmental Geology	4
or		
ENV 23	Environmental Geology	4
MS 4	Southern California Coastal Ecology	4
MS 20	Introduction to Oceanography	4
PHYS 2A*+	Introduction to Physics	5
PHYS 2B*+	Introduction to Physics	5
PHYS 4A*+	General Physics	5
PHYS 4B*+	General Physics	5
PHYS 4C*+	General Physics	5
PHYS 20+	The Ideas and Events of Physics	4
PHYS 30*	Physics and Chemistry for Elementary Educators	4

Area 5: Physical and Biological Sciences (Complete two courses - minimum 7 semester or 9 quarter units)

Complete one course from Area 5A (Physical Science) and one course from Area 5B (Biological Science). One course MUST include a laboratory (Area 5C).

5A. Physical Science

ASTR 20	General Astronomy	3
ASTR 21	The Solar System	3
or		
GEOL 21	The Solar System	3
CHEM 1A*+	General Chemistry	5
CHEM 1B*+	General Chemistry	5
CHEM 3*+	Fundamental Chemistry	4
CHEM 8	Introduction to General, Organic, and Biochemistry	4
CHEM 12A*	Organic Chemistry	5
CHEM 12B*	Organic Chemistry	5
ENV 23	Environmental Geology	4
or		
GEOL 23	Environmental Geology	4
ENV 38	Water Quality and Monitoring	3
GEOG 1	Physical Geography	3
or		
GEOG 1H	Honors Physical Geography	3
GEOL 1+	Introduction to Physical Geology	4
GEOL 2*	Historical Geology	4
GEOL 3	Geology of California	3
GEOL 4	Natural Disasters	3
GEOL 7	Weather and Climate	3
GEOL 20	Introduction to Earth Science	4
GEOL 21	The Solar System	3
or		
ASTR 21	The Solar System	3
GEOL 23	Environmental Geology	4
or		
ENV 23	Environmental Geology	4
MS 4	Southern California Coastal Ecology	4
MS 20	Introduction to Oceanography	4
PHYS 2A*+	Introduction to Physics	5
PHYS 2B*+	Introduction to Physics	5
PHYS 4A*+	General Physics	5
PHYS 4B*+	General Physics	5
PHYS 4C*+	General Physics	5
PHYS 20+	The Ideas and Events of Physics	4
PHYS 30*	Physics and Chemistry for Elementary Educators	4

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5B. Biological Science

ANTH 1	Biological Anthropology	3
or		
ANTH 1H	Honors Biological Anthropology	3
BIO 3C*	Biochemistry and Molecular Biology	5
BIO 4A*	Principles of Cellular Biology	4
BIO 4B*	Principles of Organismal Biology	4
BIO 11*	Human Anatomy	4
BIO 12*	Human Physiology	4
BIO 15*	General Microbiology	5
BIO 19*	Marine Biology	4
BIO 20+	Introduction to Biology	4
BIO 28	Plants and Human Affairs	3
BIO 30*	Human Biology	3
BIO 31	Biology of Plants	4
BIO 40	Evolution	3
BIO 43*	Animal Behavior	3
BIO 45*	Biology of Human Disease	3
ENV 5	Biodiversity Conservation	3
ENV 18	Introduction to Ecology	4
ENV 24	Natural History of California	4
HORT 20	Introduction to Horticultural Science	4
PSYC 3*	Biological Psychology	4

5C. Laboratory

ANTH 1L*	Biological Anthropology Laboratory	1
ASTR 25*	Observational Astronomy	3
BIO 3C*	Biochemistry and Molecular Biology	5
BIO 4A*	Principles of Cellular Biology	4
BIO 4B*	Principles of Organismal Biology	4
BIO 11*	Human Anatomy	4
BIO 12*	Human Physiology	4
BIO 15*	General Microbiology	5
BIO 19*	Marine Biology	4
BIO 20+	Introduction to Biology	4
BIO 31	Biology of Plants	4
CHEM 1A*+	General Chemistry	5
CHEM 1B*+	General Chemistry	5
CHEM 3*+	Fundamental Chemistry	4
CHEM 12A*	Organic Chemistry	5
CHEM 12B*	Organic Chemistry	5
ENV 18	Introduction to Ecology	4

5B. Biological Science

ANTH 1	Biological Anthropology	3
or		
ANTH 1H	Honors Biological Anthropology	3
BIO 3C*	Biochemistry and Molecular Biology	5
BIO 4A*	Principles of Cellular Biology	4
BIO 4B*	Principles of Organismal Biology	4
BIO 11*	Human Anatomy	4
BIO 12*	Human Physiology	4
BIO 13	Human Anatomy and Physiology	4
BIO 15*	General Microbiology	5
BIO 19*	Marine Biology	4
BIO 20+	Introduction to Biology	4
BIO 28	Plants and Human Affairs	3
BIO 30*	Human Biology	3
BIO 31	Biology of Plants	4
BIO 40	Evolution	3
BIO 43*	Animal Behavior	3
BIO 45*	Biology of Human Disease	3
ENV 5	Biodiversity Conservation	3
ENV 18	Introduction to Ecology	4
ENV 24	Natural History of California	4
HORT 20	Introduction to Horticultural Science	4

or

HORT 20H	Honors Introduction to Horticultural Science	4
PSYC 3*	Biological Psychology	4

5C. Laboratory

ANTH 1L*	Biological Anthropology Laboratory	1
ASTR 25*	Observational Astronomy	3
BIO 3C*	Biochemistry and Molecular Biology	5
BIO 4A*	Principles of Cellular Biology	4
BIO 4B*	Principles of Organismal Biology	4
BIO 11*	Human Anatomy	4
BIO 12*	Human Physiology	4
BIO 13	Human Anatomy and Physiology	4
BIO 15*	General Microbiology	5
BIO 19*	Marine Biology	4
BIO 20+	Introduction to Biology	4
BIO 31	Biology of Plants	4
CHEM 1A*+	General Chemistry	5
CHEM 1B*+	General Chemistry	5
CHEM 3*+	Fundamental Chemistry	4
CHEM 8	Introduction to General, Organic, and Biochemistry	4
CHEM 12A*	Organic Chemistry	5
CHEM 12B*	Organic Chemistry	5
ENV 18	Introduction to Ecology	4

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ENV 23	Environmental Geology	4
or		
GEOL 23	Environmental Geology	1
ENV 24	Natural History of California	4
GEOG 1L*	Physical Geography Laboratory	1
GEOL 1+	Introduction to Physical Geology	4
GEOL 2*	Historical Geology	4
GEOL 20	Introduction to Earth Science	4
GEOL 23	Environmental Geology	1
or		
ENV 23	Environmental Geology	4
HORT 20	Introduction to Horticultural Science	4
MS 4	Southern California Coastal Ecology	4
MS 20	Introduction to Oceanography	4
PHYS 2A*+	Introduction to Physics	5
PHYS 2B*+	Introduction to Physics	5
PHYS 4A*+	General Physics	5
PHYS 4B*+	General Physics	5
PHYS 4C*+	General Physics	5
PHYS 20+	The Ideas and Events of Physics	4
PHYS 30*	Physics and Chemistry for Elementary Educators	4

Area 6: Ethnic Studies (Complete one course - minimum 3 semester or 4 quarter units)

ANTH 4‡	Introduction to Native American Studies	3
ES 1‡	Introduction to Ethnic Studies	3
ES 3‡	Introduction to Chicanx and Latinx Studies	3
ES 4‡	Introduction to Native American Studies	3

Total Units for the Certificate 34

*Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

+UC credit may be limited. (1) No credit given for an introductory course if taken after a more advanced college course, e.g. BIO 20 or GEOL 20, and (2) credit may be limited for courses with overlapping content, e.g. HIST 16, 17, 22, or MATH 2, 7, 8.

‡Course may be listed in more than one area, but shall not be certified in more than one area.

Cal-GETC credit can be granted for some courses with an AP Exam score of 3, 4, or 5. See the college catalog for additional information.

ENV 23	Environmental Geology	4
or		
GEOL 23	Environmental Geology	1
ENV 24	Natural History of California	4
GEOG 1L*	Physical Geography Laboratory	1
GEOL 1+	Introduction to Physical Geology	4
GEOL 2*	Historical Geology	4
GEOL 20	Introduction to Earth Science	4
GEOL 23	Environmental Geology	1
or		
ENV 23	Environmental Geology	4
HORT 20	Introduction to Horticultural Science	4
or		
HORT 20H	Honors Introduction to Horticultural Science	4
MS 4	Southern California Coastal Ecology	4
MS 20	Introduction to Oceanography	4
PHYS 2A*+	Introduction to Physics	5
PHYS 2B*+	Introduction to Physics	5
PHYS 4A*+	General Physics	5
PHYS 4B*+	General Physics	5
PHYS 4C*+	General Physics	5
PHYS 20+	The Ideas and Events of Physics	4
PHYS 30*	Physics and Chemistry for Elementary Educators	4

Area 6: Ethnic Studies (Complete one course - minimum 3 semester or 4 quarter units)

ANTH 4‡	Introduction to Native American Studies	3
ES 1‡	Introduction to Ethnic Studies	3
ES 3‡	Introduction to Chicanx and Latinx Studies	3
ES 4‡	Introduction to Native American Studies	3

Total Units for the Certificate 34

*Course has a prerequisite, corequisite, limitation, or recommended preparation; see course description.

+UC credit may be limited. (1) No credit given for an introductory course if taken after a more advanced college course, e.g. BIO 20 or GEOL 20, and (2) credit may be limited for courses with overlapping content, e.g. HIST 16, 17, 22, or MATH 2, 7, 8.

‡Course may be listed in more than one area, but shall not be certified in more than one area.

Cal-GETC credit can be granted for some courses with an AP Exam score of 3, 4, or 5. See the college catalog for additional information.