

# IGETC, CERTIFICATE OF ACHIEVEMENT

A minimum of a "C" grade is required in each college course for IGETC. A "C" is defined as a minimum of 2.0 grade points on a 4.0 scale. Each course must be at least 3 semester/4–5 quarter units (except Science Lab courses in Area 5C). Courses listed in multiple areas shall not be certified in more than one area except for courses in Language Other Than English, which can be certified in both Areas 3B and 6A.

IGETC Certification must be requested before transferring. See the UC TCA list for details on UC transfer limitations and consult with a counselor for all limitations. Certification is not automatic. See your counselor or the University Transfer Center. Students completing IGETC Certification may also apply for a Certificate of Achievement.

## Area 1: English Communication

**CSU:** Complete three courses, one each from Groups 1A, 1B, and 1C. **UC:** Complete two courses, one each from Groups 1A and 1B.

### 1A: English Composition (No IB score accepted for this area)

Course ID	Title	Units/Hours
ENGL V01A	English Composition	4

### 1B: Critical Thinking—English Composition (No AP or IB scores accepted for this area)

Course ID	Title	Units/Hours
ENGL V01B	Critical Thinking and Composition Through Literature	4
ENGL V01C	Critical Thinking and Writing	3
PHIL V05	Critical Thinking and Analytical Writing	3

### 1C: Oral Communication (CSU requirement ONLY; no AP or IB scores accepted for this area)

Course ID	Title	Units/Hours
COMM V01	Introduction to Speech Communication	3
COMM V03	Group Communication	3
COMM V10	Critical Thinking in Oral Communication: Argumentation and Debate	3
COMM V15	Interpersonal Communication	3

## Area 2: Mathematical Concepts and Quantitative Reasoning

Complete one course of at least 3 semester units or 4–5 quarter units.

## 2A: Math

Course ID	Title	Units/Hours
CS V17	Discrete Structures	3
MATH V04	College Algebra	4
MATH V20	Precalculus Mathematics	5
MATH V21A	Calculus with Analytic Geometry I	5
MATH V21B	Calculus with Analytic Geometry II	5
MATH V21C	Multivariable Calculus	5
MATH V22	Introduction to Linear Algebra	3
MATH V23	Introduction to Differential Equations	3
MATH V40	Exploration of Mathematical Ideas	3
MATH V44	Elementary Statistics	4
MATH V46	Business Calculus	4
MATH V52	Discrete Structures	3
PSY V04	Introductory Statistics for the Social and Behavioral Sciences	4

## Area 3: Arts and Humanities

Complete at least three courses, with at least one course from Group 3A and at least one course from Group 3B for a total of 9 semester units or 12–15 quarter units.

### 3A: Arts

Course ID	Title	Units/Hours
AES V10	Introduction to African and Pre-Columbian Art	3
AES V65	Introduction to Asian Art	3
AES V66	Introduction to Modern and Contemporary Latin American Art	3
ART V01	Art Appreciation	3
ART V02A	Introduction to the History of Western Art I	3
ART V02B	Introduction to the History of Western Art II	3
ART V02D	Art of the Ancient Mediterranean	3
ART V03	Introduction to African and Pre-Columbian Art	3
ART V04	Introduction to Renaissance and Baroque Art	3
ART V05	Introduction to American Art	3
ART V06	Introduction to Modern Art	3
ART V07	Introduction to Women in the Arts	3
ART V08	Introduction to Asian Art	3
ART V09A	Art of the Ancient Americas	3
ART V09B	Introduction to Modern and Contemporary Latin American Art	3
DANC V01	Dance Appreciation	3
DANC V02	Dance History	3
ENGL V29A	Aesthetics of Film I	3
ENGL V29B	Aesthetics of Film II	3
FILM V01	Introduction to Media Aesthetics and Cinematic Arts	3

FILM V11	History of International Cinema: World War II to the Present	3	ENGL V23	Introduction to Dramatic Literature	3
MUS V03	Introduction to World Music	3	ENGL V26	Introduction to Shakespeare and Film	3
MUS V06	History of Rock and Roll	3	ENGL V30	World Literature: Antiquity to 1650	3
MUS V07	History of Jazz	3	ENGL V31	World Literature: 1650 to Present	3
MUS V08	Music Appreciation	3	ENGL V33	Introduction to African American Literature	3
MUS V09A	Western Music History and Literature I: Antiquity to 1750	3	ENGL V34	Introduction to Chicana/o Literature	3
MUS V09B	Western Music History and Literature II: 1750 to the Present	3	ENGL V35	Introduction to Ethnic American Literatures	3
PHOT V07	History of Photography	3	ENGL V36	Women in Literature	3
THA V01	Introduction to Theatre	3	FILM V10	Contemporary American Cinema	3
THA V17A	Musical Theatre History: Ancient Greece to the Golden Age of Musicals	3	FREN V02	Elementary French II	5
THA V17B	Musical Theatre History: 1960s to Present Day	3	GERM V02	Elementary German II	5
THA V20	Costume Design and History	3	HIST V13	African American Experience	3
THA V28	Introduction to Cinema	3	HIST V43	United States History: Focus on African Americans to Reconstruction	3
THA V29A	History of Motion Pictures I	3	HIST V45	United States History: Focus on Native Americans to Reconstruction	3
THA V29B	History of Motion Pictures II	3	HIST V50	United States History: Focus on Asian Americans	3
			HIST V51	United States History: Focus on African Americans Since Reconstruction	3
			HIST V55	United States History: Focus on Native Americans Since the Civil War	3
			HIST V70	Introduction to Western Civilization to the Scientific Revolution	3
			HIST V73	African History to 1800	3
			HIST V76	World History to 1550	3
			HIST V79	Introduction to the History of East Asia	3
			HIST V82	Introduction to Western Civilization since the Scientific Revolution	3
			HIST V83	African History since 1800	3
			HIST V86	World History Since 1550	3
			ITAL V02	Elementary Italian II	5
			JAPN V02	Elementary Japanese II	5
			PHIL V01	Introduction to Philosophy	3
			PHIL V02	Introduction to Ethics	3
			PHIL V03A	Survey of World Religions: East	3
			PHIL V03B	Survey of World Religions: West	3
			PHIL V06A		3
			PHIL V06B		3
			PHIL V09	Zen Buddhism	3
			PHIL V10	World Mythology	3
			PHIL V12	Introduction to Religion	3
			PHIL V14	Confucianism and Taoism	3
			PHIL V15	Teachings of Jesus in Comparative Perspective	3
			SL V10B		3
			SPAN V02	Elementary Spanish II	5
			SPAN V03	Intermediate Spanish I	5
			SPAN V03S	Spanish Heritage Language I	5
			SPAN V04	Intermediate Spanish II	5
			SPAN V04S	Spanish Heritage Language II	5

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<b>3B: Humanities</b>		
Course ID	Title	Units/Hours
AES V01	Native Peoples of North America	3
AES V02A	United States History: Focus on Native Americans to Reconstruction	3
AES V02B	United States History: Focus on Native Americans Since the Civil War	3
AES V03	Chicana Contemporary Issues	3
AES V20	Introduction to Chicano Studies	3
AES V40A	United States History: Focus on African Americans to Reconstruction	3
AES V40B	United States History: Focus on African Americans Since Reconstruction	3
AES V41	African American Experience	3
AES V42A	African History to 1800	3
AES V42B	African History since 1800	3
AES V63	United States History: Focus on Asian Americans	3
ANTH V04	Native Peoples of North America	3
CHST V01	Introduction to Chicano Studies	3
CHST V03	Chicana Contemporary Issues	3
ENGL V01B	Critical Thinking and Composition Through Literature	4
ENGL V15	Introduction to Poetry	3
ENGL V16	Introduction to Fiction	3
ENGL V18	Children's Literature and Film	3
ENGL V21A	British Literature before 1800	3
ENGL V21B	British Literature since 1800	3
ENGL V22A	American Literature: Colonial Period to 1865	3
ENGL V22B	American Literature: 1865 to Present	3

## Area 4: Social and Behavioral Sciences

Complete at least 2 courses from at least 2 disciplines or an interdisciplinary sequence for a total of 6 semester units or 8 quarter units.

### 4: Social Sciences

Course ID	Title	Units/ Hours
AES V01	Native Peoples of North America	3
AES V02A	United States History: Focus on Native Americans to Reconstruction	3
AES V02B	United States History: Focus on Native Americans Since the Civil War	3
AES V03	Chicana Contemporary Issues	3
AES V11	Racial and Ethnic Group Relations	3
AES V20	Introduction to Chicano Studies	3
AES V21A	The Heritage of Mexico to the First Republic	3
AES V21B	The Heritage of Mexico Since Liberation	3
AES V22	United States History: Focus on Chicanos since 1850	3
AES V23	Chicana/o/x and Latina/o/x Studies Issues	3
AES V24	Sociology of the Chicano Community	3
AES V40A	United States History: Focus on African Americans to Reconstruction	3
AES V40B	United States History: Focus on African Americans Since Reconstruction	3
AES V41	African American Experience	3
AES V42A	African History to 1800	3
AES V42B	African History since 1800	3
AES V47	United States History: Focus on Chicanos to 1850	3
AES V63	United States History: Focus on Asian Americans	3
AG V01	Agriculture and Society: Agriculture as the Foundation for Modern Civilization	3
AG V12	Agriculture Economics	3
ANTH V02	Cultural Anthropology	3
ANTH V03	Introduction to Archaeology	3
ANTH V04	Native Peoples of North America	3
ANTH V05	Linguistic Anthropology: Culture and Communication	3
ANTH V06	Sex, Gender, and Culture	3
ANTH V07	The Anthropology of Magic, Witchcraft, and Religion	3
CD V02	Child Growth and Development	3
CD V03	Human Development	3
CD V05	Teaching in a Diverse Society	3
CD V27	Infant and Toddler Development	3
CD V61	Child, Family, and Community	3
CHST V01	Introduction to Chicano Studies	3
CHST V02	Chicana/o/x and Latina/o/x Studies Issues	3
CHST V03	Chicana Contemporary Issues	3
CHST V24	Sociology of the Chicano Community	3
CJ V01	Introduction to Criminal Justice	3
CJ V02	Concepts of Criminal Law	3
CJ V28	Fundamentals of Criminology	3
COMM V02	Introduction to Communication	3
COMM V12	Intercultural Communication	3
COMM V15	Interpersonal Communication	3
COMM V16	Introduction to Mass Communications	3
ECON V01A	Principles of Macroeconomics	3
ECON V01B	Principles of Microeconomics	3
ESRM V03	Introduction to Environmental Policy and Natural Resource Management	3
GEOG V02	Introduction to Human Geography	3
GEOG V06	Geography of California	3
GEOG V08	World Regional Geography	3
HED V20	Introduction to Public Health	3
HED V22	Health and Social Justice	3
HIST V13	African American Experience	3
HIST V16	United States History: Focus on Foreign Relations	3
HIST V30		3
HIST V32	United States History: Focus on Women to 1860	3
HIST V43	United States History: Focus on African Americans to Reconstruction	3
HIST V44	History of the Americas to 1821	3
HIST V45	United States History: Focus on Native Americans to Reconstruction	3
HIST V46	United States History to 1877	3
HIST V47	United States History: Focus on Chicanos to 1850	3
HIST V48	The Heritage of Mexico to the First Republic	3
HIST V50	United States History: Focus on Asian Americans	3
HIST V51	United States History: Focus on African Americans Since Reconstruction	3
HIST V53	United States History: Focus on Women since 1860	3
HIST V54	History of the Americas since 1763	3
HIST V55	United States History: Focus on Native Americans Since the Civil War	3
HIST V56	United States History since 1877	3
HIST V57	The Heritage of Mexico Since Liberation	3
HIST V58	United States History: Focus on Chicanos since 1850	3
HIST V59	History of California	3
HIST V70	Introduction to Western Civilization to the Scientific Revolution	3
HIST V73	African History to 1800	3
HIST V76	World History to 1550	3
HIST V78	History of Modern Middle East	3
HIST V79	Introduction to the History of East Asia	3
HIST V82	Introduction to Western Civilization since the Scientific Revolution	3

HIST V83	African History since 1800	3	CHEM V12A	General Organic Chemistry I	3
HIST V86	World History Since 1550	3	CHEM V12B	General Organic Chemistry II	3
PHIL V10	World Mythology	3	CHEM V20	Elementary Chemistry	4
POLS V01	American Government	3	CHEM V21	Introduction to Organic and Biochemistry	3
POLS V02	Comparative Government	3	CHEM V30	Foundations of General, Organic, and Biochemistry	4
POLS V03	Introduction to Political Science	3	ESRM V02	Introduction to Environmental Science	3
POLS V04	Introduction to Political Theory	3	GEOG V01	Elements of Physical Geography	3
POLS V05	Introduction to International Relations	3	GEOG V05	Introduction to Weather and Climate	3
POLS V09	United States-Mexico Relations	3	GEOL V02	Physical Geology	3
POLS V10		4	GEOL V03	Historical Geology	3
POLS V11	Government and Politics of Mexico	3	GEOL V07	Geology of National Parks	3
POLS V12	Introduction to Environmental Policy and Natural Resource Management	3	GEOL V09	Earth Science with Laboratory	4
POLS V14	Global Studies	3	GEOL V11	Introduction to Oceanography	3
POLS V17	Introduction to American Law	3	GEOL V21	Natural Disasters	3
POLS V18	Introduction to Global Issues	3	PHSC V01	Concepts in Physical Science	4
PSY V01	Introduction to Psychology	3	PHYS V01	Elementary Physics	5
PSY V02	Personal Growth and Social Awareness	3	PHYS V02A	General Physics I: Algebra/Trigonometry-Based	4
PSY V05	Introduction to Developmental Psychology	3	PHYS V02B	General Physics II: Algebra/Trigonometry-Based	4
PSY V07	Introduction to Research Methods in Social and Behavioral Sciences	3	PHYS V03A	General Physics I: Calculus-Based	4
PSY V15	Introduction to Abnormal Psychology	3	PHYS V03B	General Physics II: Calculus-Based	4
PSY V25	Psychology of Human Sexuality	3	PHYS V04	Mechanics for Scientists and Engineers	4
PSY V29	Introduction to Personality Psychology	3	PHYS V05	Electricity and Magnetism for Scientists and Engineers	4
PSY V30	Multicultural Psychology	3	PHYS V06	Optics, Heat, and Modern Physics: For Scientists and Engineers	4
PSY V31	Introduction to Social Psychology	3			
PSY V32	Psychology of Women	3			
SOC V01	Introduction to Sociology	3			
SOC V02	Social Problems	3			
SOC V03	Racial and Ethnic Group Relations	3			
SOC V04	Sociology of Gender Roles	3			
SOC V05	Sociology of Relationships: Intimacy, Commitment, and Family Patterns	3			
SOC V07	Sociological Analysis	3			
SOC V13	Sociology of Deviance, Crime, and Society	3			
SOC V24	Sociology of the Chicano Community	3			
SOC V31	Introduction to Social Psychology	3			

## Area 5: Physical and Biological Sciences

Complete at least 2 courses, with 1 course from Group 5A and 1 course from group 5B (at least one course must include a laboratory selected from Group 5C) for a total of 7–9 semester units or 9–12 quarter units. Each course must be at least 3 semester units, or 4–5 quarter units, except separate lab courses from Group 5C.

### 5A: Physical Science

Course ID	Title	Units/Hours
AG V04	Introduction to Soil Science	3
AST V01	Elementary Astronomy	3
CHEM V01A	General Chemistry I	3
CHEM V01B	General Chemistry II	3

### 5B: Biological Science

Course ID	Title	Units/Hours
AG V06	Introduction to Plant Science (with Laboratory)	3
ANPH V01	Introduction to Human Anatomy and Physiology	5
ANTH V01	Biological Anthropology	3
BIOL V01	Principles of Biology	3
BIOL V03	Evolution, Ecology, and Organismal Biology	5
BIOL V04	Cell and Molecular Biology	5
BIOL V10	Introduction to Environmental Issues	3
BIOL V12	Human Biology	3
BIOL V14	Field Biology: A Natural History of California	4
BIOL V18	Human Heredity	3
BIOL V23		4
BIOL V29	Marine Biology	3
ESRM V01	Introduction to Environmental Issues	3
ESRM V10	Environmental Ecology	3
ESRM V14	Conservation of Natural Resources	3
MICR V01	General Microbiology	4

PHSO V01	Human Physiology	4
PSY V03	Introduction to Biological Psychology	3

### 5C: Laboratory Science (Must include a corresponding lecture course from Group 5A or 5B)

Course ID	Title	Units/Hours
AG V04	Introduction to Soil Science	3
AG V06	Introduction to Plant Science (with Laboratory)	3
ANPH V01	Introduction to Human Anatomy and Physiology	5
ANTH V01L	Biological Anthropology Laboratory	1
AST V01L	Elementary Astronomy Laboratory	1
BIOL V01L	Principles of Biology Laboratory	1
BIOL V03	Evolution, Ecology, and Organismal Biology	5
BIOL V04	Cell and Molecular Biology	5
BIOL V14	Field Biology: A Natural History of California	4
BIOL V23		4
BIOL V29L	Marine Biology Laboratory	1
CHEM V01AL	General Chemistry I Laboratory	2
CHEM V01BL	General Chemistry II Laboratory	2
CHEM V12AL	General Organic Chemistry I Laboratory	2
CHEM V12BL	General Organic Chemistry II Laboratory	2
CHEM V20L	Elementary Chemistry Laboratory	1
CHEM V21L	Introduction to Organic and Biochemistry Laboratory	2
CHEM V30L	Chemistry for Health Sciences Laboratory	1
GEOG V01L	Elements of Physical Geography Laboratory	1
GEOL V02L	Physical Geology Laboratory	1
GEOL V03L	Historical Geology Laboratory	1
GEOL V09	Earth Science with Laboratory	4
MICR V01	General Microbiology	4
PHSC V01	Concepts in Physical Science	4
PHSO V01	Human Physiology	4
PHYS V01	Elementary Physics	5
PHYS V02AL	General Physics I Laboratory: Algebra/Trigonometry-Based	1
PHYS V02BL	General Physics II Laboratory: Algebra/Trigonometry-Based	1
PHYS V03AL	General Physics I Laboratory: Calculus-Based	1
PHYS V03BL	General Physics II Laboratory: Calculus-Based	1
PHYS V04L	Mechanics Laboratory for Scientists and Engineers	1
PHYS V05L	Electricity and Magnetism Laboratory for Scientists and Engineers	1
PHYS V06L	Optics, Heat, and Modern Physics Laboratory for Scientists and Engineers	1

## Area 6: Language Other Than English (UC Requirement Only)

**CSU:** This area is not required. **UC:** Demonstrate proficiency equivalent to two years of high school study in the same language with a "C-" or better, or furnish validated exam scores, or complete one course from Group 6A with a "C" or better. Second-semester or more advanced college courses in a language other than English may be counted in satisfaction of both Areas 3B and 6A.

### 6A: Language Other Than English

Course ID	Title	Units/Hours
FREN V01	Elementary French I	5
FREN V02	Elementary French II	5
GERM V01	Elementary German I	5
GERM V02	Elementary German II	5
ITAL V01	Elementary Italian I	5
ITAL V02	Elementary Italian II	5
JAPN V01	Elementary Japanese I	5
JAPN V02	Elementary Japanese II	5
SL V10A		3
SL V10B		3
SPAN V01	Elementary Spanish I	5
SPAN V02	Elementary Spanish II	5
SPAN V03	Intermediate Spanish I	5
SPAN V03S	Spanish Heritage Language I	5
SPAN V04	Intermediate Spanish II	5
SPAN V04S	Spanish Heritage Language II	5

## CSU Graduation Requirement in U.S. History, Constitution, and American Ideals

These courses are not part of IGETC but are recommended for completion before transfer.

**CSU:** Complete one course from Group 1 and one course from Group 2 for a total of 6 semester units or 8 quarter units. These may also be used to satisfy Area 4 at the discretion of the receiving CSU campus. **UC:** This area is not required.

### Group 1: US-1

Course ID	Title	Units/Hours
AES V02A	United States History: Focus on Native Americans to Reconstruction	3
AES V02B	United States History: Focus on Native Americans Since the Civil War	3
AES V22	United States History: Focus on Chicanos since 1850	3
AES V40A	United States History: Focus on African Americans to Reconstruction	3

AES V40B	United States History: Focus on African Americans Since Reconstruction	3
AES V47	United States History: Focus on Chicanos to 1850	3
AES V63	United States History: Focus on Asian Americans	3
HIST V32	United States History: Focus on Women to 1860	3
HIST V43	United States History: Focus on African Americans to Reconstruction	3
HIST V45	United States History: Focus on Native Americans to Reconstruction	3
HIST V46	United States History to 1877	3
HIST V47	United States History: Focus on Chicanos to 1850	3
HIST V50	United States History: Focus on Asian Americans	3
HIST V51	United States History: Focus on African Americans Since Reconstruction	3
HIST V53	United States History: Focus on Women since 1860	3
HIST V54	History of the Americas since 1763	3
HIST V55	United States History: Focus on Native Americans Since the Civil War	3
HIST V56	United States History since 1877	3
HIST V58	United States History: Focus on Chicanos since 1850	3

and the dynamic role of individuals and active citizens in society. Students will develop skills and employ strategies to self-manage their personal, academic, and career goals and to cooperate, collaborate, and interact successfully within groups and with a variety of cultures, peoples, and situations.

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## Group 2: US-2 and US-3

Course ID	Title	Units/ Hours
POLS V01	American Government	3
POLS V03	Introduction to Political Science	3

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*Last updated June 2022*

Upon successful completion of this program, students will be able to:

- **Communication—Written, Oral, and Visual:** Students will write, speak, perform, or create original content that communicates effectively and is facilitated by active listening skills.
- **Reasoning—Scientific and Quantitative:** Students will locate, identify, collect, and organize data in order to analyze, interpret, or evaluate it using mathematical skills and/or the scientific method.
- **Critical Thinking and Problem Solving:** Students will recognize and identify the components of problems or issues, examine them from multiple perspectives and investigate ways to resolve them using reasoned and supportable conclusions while differentiating between facts, influences, opinions, and assumptions.
- **Information Literacy:** Students will formulate strategies to locate, evaluate, and apply information from a variety of sources in a variety of formats such as print and/or electronic.
- **Personal/Community Awareness and Academic/Career Responsibilities:** Students will examine the ethical responsibilities