

# TRANSFER INFORMATION AND REQUIREMENTS

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Students planning to transfer have a wide variety of options. The California State University with 23 campuses, the University of California with 9 campuses, and over 80 private/independent colleges in California provide a wide range of academic programs, physical and academic environments, and social climates. College of the Sequoias offers the equivalent of the first half of these college and university programs. Students wishing to pursue any of these goals should meet with a counselor as early as possible to discuss their plans. Careful planning will help students avoid mistakes that could prolong their academic pursuits.

Successful transfer planning requires the following steps:

- Selecting a career goal
- Selecting an appropriate major to meet your career goal
- Selecting an appropriate college or university
- Planning and completing an appropriate transfer program
- Completing the application process

All colleges and universities have specific admissions requirements and may have special course and unit requirements, as well as minimum grade point averages that must be met prior to transfer. Once students identify their major and the college or university to which they wish to transfer, they should consult the catalog of that college or university for specific requirements. Catalogs for the California State University campuses, the University of California campuses, and selected private/independent colleges are available online and in the Transfer Center. Students interested in purchasing their own catalog can do so by writing directly to the college or university.

Colleges and universities require students to complete specific general education requirements as well as major requirements for the baccalaureate degree. Students can complete both general education and lower division major requirements at COS prior to transfer. COS maintains articulation agreements for selected majors at many colleges, and COS counselors can assist with interpreting the agreements, catalog statements, and other requirements.

In accordance with Executive Order No. 167 from the Chancellor's Office of the California State Universities and Colleges, College of the Sequoias has developed a list of courses that are baccalaureate level. Courses that are numbered 001-199 are accepted by the California State Universities and most private, independent colleges. Courses numbered 001-099 are accepted by the University of California; however, students should consult the "University of California Transfer Course List" in this catalog for specific limitations. COS courses that transfer to universities meet various requirements depending on the school and major selected.

*Students are responsible for complying with regulations and instructions set forth in catalogs, for selecting the courses which will permit them to meet their educational objectives, and for satisfying any program or course prerequisites. College requirements and articulation agreements are constantly changing; contents of this catalog represent our best attempt to provide current and pertinent information for transfer students.*

## California State University Transfer Information

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### Associate in Arts for Transfer (AA-T) or Associate in Science for Transfer (AS-T)

The Student Transfer Achievement Reform Act (Senate Bill 1440, now codified in California Education Code sections 66746-66749) guarantees admission to California State University (CSU) campus for any community college student who completes an "associate degree for transfer," a newly established variation of the associate degrees traditionally offered at a California community college. The Associate in Arts for Transfer (AA-T) or the Associate in Science for Transfer (AS-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing these degrees (AA-T or AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. In order to earn one of these degrees, students must complete a minimum of 60 required semester units of CSU-transferable coursework with a minimum GPA of 2.0. Students transferring to a CSU campus that does accept the AA-T or AS-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree (unless the major is a designated "high-unit" major). This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements.

The following is required for all AA-T or AS-T degrees:

1. Minimum of 60 CSU-transferable semester units.
2. Minimum grade point average (GPA) of at least 2.0 in all CSU-transferable coursework. While a minimum of 2.0 is required for admission, some majors may require a higher GPA. Consult with a counselor for more information.
3. Completion of a minimum of 18-semester units in an "AA-T" or "AS-T" major as detailed in the program requirements page of the degree. All courses in the major must be completed with a grade of C or better. (Title 5 §55063).
4. Certified completion of the California State University General Education-Breadth pattern (CSU GE Breadth); OR the Intersegmental General Education Transfer Curriculum (IGETC) pattern, including Area 1C: Oral Communication (CSU requirement only).

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### CSU Minimum Upper Division Transfer Requirements

If a student has completed at least 60 transferable semester (90 quarter) units, has a grade point average of 2.0 (C) or better in all transferable units attempted, and is in good standing at the last college or university attended, the student may be eligible for upper division transfer if the student has completed at least 30 semester (45 quarter) units of college courses with a minimum grade of C in each course to be selected from courses in English, arts and humanities, social science, science, and mathematics at a level at least equivalent to courses that meet general education requirements.

The 30 semester (45 quarter) units must include all of the general education requirements in communication in the English language (at least 9 semesters or 12 quarter units to include written communication, oral communication, and critical thinking) and mathematics (at least 3 semester or 4 quarter units) or, if completing the Intersegmental General Education Transfer Curriculum, English communication (at least 9 semester or 12 quarter units in English composition, oral communication, and critical thinking) and the requirement in mathematics (at least 3 semester or 4 quarter units). Required courses must be completed by deadlines established by the university.

## General Education Requirements for CSU

All campuses of the CSU system require a minimum of 48 units of general education. Thirty-nine of these units may be taken at community colleges. Beginning with Fall 1991, students may fulfill the lower division general education requirements prior to transfer by completing one of the following three options:

1. The California State University General Education (CSU GE) Certification which will fulfill the lower division breadth/general education requirements for all CSU campuses.
2. The Intersegmental General Education Transfer Curriculum (IGETC) certification which will fulfill the lower division breadth/general education requirements for all CSU and most UC campuses.
3. The specific lower-division breadth/general education requirements of the campus to which they intend to transfer.

## CSU General Education Certification Pattern (CSU GE)

### Area A: English Language Communication & Critical Thinking

Choose one course from each sub-area (9 units minimum). All courses must be completed with a minimum grade of C.

Code	Title	Units
<b>A1: Oral Communication</b>		
BUS/COMM 112	Public Speaking for Business	4
COMM 001	Fundamentals of Public Speaking	3
COMM 007	Persuasion	3
COMM 008	Group Communication	3
<b>A2: Written Communication</b>		
ENGL 001	College Reading and Composition	4
<b>A3: Critical Thinking</b>		
AJ 025	Constitutional Law *	3
ENGL 002	Critical Reading, Writing, and Reasoning	3
PHIL 020	Introductory Logic	3
PHIL 025	Critical Thinking	3
COMM 005	Argumentation and Debate	3

\* AJ 025 can be counted in ONE AREA ONLY ( A3 or D).

### Area B: Scientific Inquiry & Quantitative Reasoning

Choose one course from each group (9 units minimum). One laboratory science (Lab) required. Course in Group 3 must be completed with a minimum grade of C.

Code	Title	Units
<b>Group 1 (B1): Physical Sciences</b>		
AG 004	Soil Science (Lab)	3
ASTR 010	Introduction to Astronomy	3
CHEM 001	General Chemistry 1 (Lab)	5
CHEM 002	General Chemistry 2 (Lab)	5
CHEM 010	Introduction to Chemistry (Lab)	4
CHEM 012	Organic Chemistry 1 (Lab)	5
CHEM 013	Organic Chemistry 2 (Lab)	5
CHEM 020	Introduction to General Chemistry (Lab)	4
CHEM 021	Organic/Biological Chemistry (Lab)	4
GEOG 001	Physical Geography	3

GEOG 001L	Physical Geography Lab (Lab)	1
GEOG 005	Introduction to Weather and Climate	3
GEOLOG 001	Physical Geology (Lab)	4
GEOLOG 005	Earth History (Lab)	4
GEOLOG 012	Environmental Geology	3
PHYS 020	General Physics 1 (Lab)	5
PHYS 021	General Physics 2 (Lab)	5
PHYS 055	Physics 1: Mechanics & Waves (Lab)	4
PHYS 056	Physics 2: E&M and Heat (Lab)	4
PHYS 057	Physics 3: Modern Physics (Lab)	5
PSCI 020	Physical Science (Lab)	4

### Group 2 (B2): Life Sciences

AG 002	Environmental Conservation	3
ANTH 011	Biological Anthropology	3
BIOL 001	Principles of Biology 1 (Lab)	5
BIOL 002	Principles of Biology 2 (Lab)	5
BIOL 020	Frontiers in Biology (Lab)	4
BIOL 021	Plant Biology (Lab)	3
BIOL 022	Animal Biology (Lab)	3
BIOL 025	Human Ecology	3
BIOL 030	Human Anatomy (Lab)	4
BIOL 031	Human Physiology (Lab)	4
BIOL 040	General Microbiology (Lab)	4
PLSI 001	Introduction to Plant Science (Lab)	3

### Group 3 (B4): Mathematics

BUS 020	Business Statistics	3
BUS 119	Quantitative Methods	3
MATH 005	Modern Mathematics	4
MATH 010	Structure and Concepts 1	4
MATH 011	Structures and Concepts 2	4
MATH 021	Introduction to Statistics	4
MATH 070	Precalculus	5
MATH 035	Precalculus A	4
MATH 044	College Algebra	4
MATH 054	Precalculus B	4
MATH 065	Calculus 1	4
MATH 066	Calculus 2	4
MATH 067	Calculus 3	4
MATH 080	Linear Algebra	4
MATH 081	Differential Equations	5
SSCI 025	Statistics - Social Sciences	4

### Area C: Arts and Humanities

Choose at least one course from Group 1 and one course from Group 2 (9 units minimum).

Code	Title	Units
<b>Group 1 (C1): Arts</b>		
ARCH 070	Architecture History 1	3
ARCH 071	Architecture History 2	3
ART 001	Art Appreciation	3
ART 002	Art History/Ancient-Gothic	3
ART 003	Art History/Gothic-Modern	3



HIST 025	World History to 1500 *	3
JOUR 007	Mass Communication	3
JOUR 020	Cultural Issues in Film/TV/Web	3
KINE 093	Women's Health	3
NUTR 020	Cultural Foods *	3
PHSC 002	Health and Social Justice	3
POLS 005	Federal, State and Local Government	3
POLS 006	Comparative Politics	3
POLS 008	International Relations	3
POLS 011	Political Theory and Thought	3
POLS 012	Introduction to Political Science	3
POLS 013	Introduction to the Politics of Race and Gender	3
PSY 001	General Psychology *	3
PSY 005	Social Psychology	3
PSY 010	Human Sexuality *	3
PSY 034	Abnormal Psychology *	3
SOC 001	Introduction to Sociology	3
SOC 002	Social Problems	3
SOC 010	Sociology of Gender	3
SOC 015	Self and Society	3
SOC 026	Marriage and Family Life *	3
SOC 043	Sociology of Deviance	3
SSCI 050	Law and Democracy	3

\* ETHN 001, ETHN 002, ETHN 003, ETHN 004, & ETHN 010 can be counted in ONE AREA ONLY (C2 or D or F); HIST 004, HIST 005, HIST 023, & HIST 025 can be counted in ONE AREA ONLY (C2 or D); CHLD 039, NUTR 020, PSY 001, PSY 010, PSY 034, & SOC 026, can be counted in one AREA ONLY (D or E); AJ 025 can be counted in one AREA ONLY (A3 or D)

\*\* HIST 017 and/or HIST 018 can be counted in ONE AREA ONLY (C2 or D) and may be used to meet the CSU American Institutions Requirement (see CSU American Institutions Requirement description below).

### Area E: Lifelong Learning & Self-Development

Choose one course (3 units minimum).

Code	Title	Units
CHLD 039	Child Growth and Development *	3
COUN 010	Career and Life Planning	3
COUN 025	College and Life Success	3
ENGL 014	Creative Writing	3
HW 001	Personal and Community Health	3
HW 007	Sports Health	3
HW 104	Drugs and Society	3
KINE 088	Sport and Exercise Psychology	3
LIBR 050	Research Skills for Lifelong Learning	3
NURS 106	Cultural Competency in Healthcare	3
NUTR 018	Nutrition	3
NUTR 020	Cultural Foods *	3
PSY 001	General Psychology *	3
PSY 010	Human Sexuality *	3
PSY 034	Abnormal Psychology *	3

PSY 080	Introduction to Lifespan Psychology	3
PSY 133	Personal and Social Growth	3
SOC 026	Marriage and Family Life *	3

\* CHLD 039, NUTR 020, PSY 001, PSY 010, PSY 034, & SOC 026, can be counted in one AREA ONLY (E or D)

### Area F: Ethnic Studies

Choose one course (3 units minimum)

Code	Title	Units
ETHN 001	Black American Studies *	3
ETHN 002	American Indian Studies *	3
ETHN 003	Chicana and Chicano Studies *	3
ETHN 004	Asian American Studies *	3
ETHN 010	Introduction to Ethnic Studies and Social Justice Studies *	3

\* ETHN 001, ETHN 002, ETHN 003, ETHN 004, & ETHN 010 can be counted in ONE AREA ONLY (C2 or D or F)

### CSU American Institutions Requirement

Although not required, students are encouraged to complete the CSU American Institutions Requirement prior to transfer. This requirement may be met after transfer; however, students are advised to meet this requirement prior to transfer while completing the CSU GE certification.

The following courses fulfill both the CSU American Institutions Requirement and the CSU GE Area C and/or CSU GE Area D requirements.

Code	Title	Units
POLS 005	Federal, State and Local Government	3
and		
HIST 017	People of the US to 1877	3
or HIST 018	People of the US from 1865	

### CSU GE Certification

"Certification" means that College of the Sequoias has verified that a student has completed the lower division general education requirements for the California State University. Certification is important because without it students will be held to the general education requirements specific to the CSU campus to which the student transfers. Courses from other colleges and universities may be considered for certification by petition through a process called "pass along certification":

1. courses taken at CSU campuses, and other California Community Colleges will be certified in the subject areas (AREA A - E) approved by the institution where the courses were taken,
2. courses taken at other regionally accredited colleges and universities will be certified only if the course is determined to be equivalent to a course in a California Community College Certification Pattern. Courses deemed equivalent would be certified in the areas (AREA A - E) in which the equivalent courses have been approved.

### AP Exams Approved to Clear Specific CSU GE Areas

The first number in the ( ) is semester units granted by all campuses of the CSU, at a minimum, as elective credits which count toward the 60

transferable units necessary for admissions eligibility. The second number in ( ) is the semester units applied to the fulfillment of the CSU GE requirements.

AP Score=3, 4, 5	GE Area
Art History (6/3)	C1 or C2
Biology (6/4)	B2 and B3
Calculus AB (3/3)	B4
Calculus BC (6/3)	B4
Chemistry (6/4)	B1 and B3
Chinese L&C (6/3)	C2
Computer Science Principles (6/3)	B4
English Lang & Comp (6/3)*	A2
English Lit & Comp (6/6)*	A2 and C2
Environ Sci (4/4)	B1 and B3
French L&C (6/3)	C2
German L&C (6/3)	C2
Govt: US (3/3)	D
Govt: Comparative (3/3)	D
Hist: European (6/3)	D or C2
Hist: U.S. (6/3)	D or C2
Hist: World (6/3)	D or C2
Italian L&C (6/3)	C2
Human Geography (3/3)	D
Japanese L&C (6/3)	C2
Latin (6/3)	C2
Microeconomics (3/3)	D
Macroeconomics (3/3)	D
Phys 1 (4/4)	B1 and B3
Phys 2 (4/4)	B1 and B3
Phys C (Mech) (4/4)	B1 and B3
Phys C (Elect) (4/4)	B1 and B3
Precalculus (3/3)	B4
Psychology (3/3)	D
Spanish L&C (6/3)	C2
Spanish Lit&C (6/3)	C2
Statistics (3/3)	B4

NOTE: This list includes only AP exams approved for CSU GE and is not exhaustive; unit limitations for electives include 6 units for both calculus exams, and 6 units for more than one physics exam (see counselor for additional details). AP GOVT: U.S. exam may be used to clear CSU GE AREA D8; however, in order to clear the CSU American Institution graduation requirement for Federal, State, and Local Government students must also complete POLS 010.

## University of California Transfer Information

### Eligibility for Transfer to UC

If a student was eligible for admission to the University of California when the student graduated from high school – meaning the student satisfied the subject, scholarship, and examination requirements, or was identified by the University during the senior year in high school as being eligible under the Eligibility in the Local Context (ELC) Program, the student is

eligible to transfer if the student has a “C” (2.0) average in the student’s transferable college coursework.

If a student met the Scholarship Requirement but did not satisfy the 15-course Subject Requirement, the student must take transferable college courses in the missing subjects, earn a minimum grade of C in each required course and maintain a 2.0 GPA in all transferable coursework to be eligible for transfer.

If a student was not eligible for admission to the University when the student graduated from high school because of not meeting the Scholarship Requirement, the student must:

1. Complete 60 semester (90 quarter) units of transferable college credit with a grade point average of at least 2.4 (2.8 for nonresidents); No more than 14 semester/21 quarter units may be taken (pass/not pass), and;
2. Complete the following seven transferable college courses, earning a minimum grade of C in each course:
  - a. Two transferable college courses (3 semester or 4-5 quarter units each) in English composition, and;
  - b. One transferable college course (3 semester 4-5 quarter units) in mathematical concepts and quantitative reasoning, and;
  - c. Four transferable college courses (3 semester or 4-5 quarter units each) chosen from at least two of the following subject areas: the arts and humanities, the social and behavioral sciences, or the physical and biological sciences.

Students who satisfy the Intersegmental General Education Transfer Curriculum prior to transferring to UC will satisfy Requirement 2 above of the transfer admission requirements.

### General Education Requirements for UC

Each school and college at every UC campus has its own breadth/general education requirements. Students may fulfill the lower division breadth/general education requirements at most UC campuses by completing one of the following two options:

1. The Intersegmental General Education Transfer Curriculum which will fulfill the lower division breadth/general education requirements for most UC and all CSU campuses.
2. The specific lower-division breadth/general education requirements of the campus to which they intend to transfer.

Students should consult a COS Counselor to determine which option is best suited for their educational objective.

### Intersegmental General Education Transfer Curriculum (IGETC)

#### Area 1: English Communication

**CSU Transfer Students:** Choose one course from each Group (9 units minimum).

**UC Transfer Students:** Choose one course from Group 1A and one course from Group 1B (6 units minimum).

Code	Title	Units
<b>Group 1A: English Composition</b>		
ENGL 001	College Reading and Composition	4
<b>Group 1B: Critical Thinking-English Composition</b>		

ENGL 002	Critical Reading, Writing, and Reasoning	3
PHIL 025	Critical Thinking	3
<b>Group 1C: Oral Communication (CSU Requirement Only)</b>		
COMM 001	Fundamentals of Public Speaking	3
COMM 007	Persuasion	3
COMM 008	Group Communication	3

**Area 2: Mathematical Concepts and Quantitative Reasoning**

Choose one course (3 units minimum).

Code	Title	Units
BUS 020	Business Statistics *	3
MATH 021	Introduction to Statistics *	4
MATH 035	Precalculus A	4
MATH 044	College Algebra	4
MATH 054	Precalculus B	4
MATH 070	Precalculus	5
MATH 065	Calculus 1	4
MATH 066	Calculus 2	4
MATH 067	Calculus 3	4
MATH 080	Linear Algebra	4
MATH 081	Differential Equations	5
SSCI 025	Statistics - Social Sciences	4

\* Indicates number of transfer units may be limited by UC. Consult the University of California Transfer Course List below.

**Area 3: Arts and Humanities**

Choose three courses, at least one course from Group 3A and one course from Group 3B (9 units minimum).

Code	Title	Units
<b>Group 3A: Arts</b>		
ART 001	Art Appreciation	3
ART 002	Art History/Ancient-Gothic	3
ART 003	Art History/Gothic-Modern	3
ART 004	Art of Ancient America: Mesoamerica	3
ART 005	Art of Ancient America: South America	3
ARCH 070	Architecture History 1	3
ARCH 071	Architecture History 2	3
CINA 031	Film Appreciation-American	3
CINA 032	Film Appreciation-International	3
DRAM 001	Introduction to the Theatre	3
DRAM 006	Shakespeare **	3
MUS 004	Theory and Musicianship 1 *	4
MUS 005	Theory and Musicianship 2 *	4
MUS 006	Theory and Musicianship 3	4
MUS 007	Theory and Musicianship 4	4
MUS 010	Music Appreciation	3
MUS 011	Music Appreciation/Jazz	3
MUS 013	Music of the World	3
MUS 014	History of Rock and Roll	3
<b>Group 3B: Humanities</b>		
ASL 003	American Sign Language 3	3

ASL 004	American Sign Language 4	3
ASL 005	Deaf Culture	3
DRAM 006	Shakespeare **	3
ENGL 004	Composition and Literature	3
ENGL 010	Chicano Literature	3
ENGL 015	Survey of British Literature 1	3
ENGL 016	Survey of British Literature 2	3
ENGL 018	African American Literature	3
ENGL 019	Women in Literature	3
ENGL 030	American Literature 1	3
ENGL 031	American Literature 2	3
ENGL 044	World Literature 1	3
ENGL 045	World Literature 2	3
ENGL 046	Shakespeare	3
ETHN 001	Black American Studies **	3
ETHN 002	American Indian Studies **	3
ETHN 003	Chicana and Chicano Studies **	3
ETHN 004	Asian American Studies **	3
ETHN 010	Introduction to Ethnic Studies and Social Justice Studies **	3
HIST 004	History of Western Civilization to 1648 **	3
HIST 005	Western Civilization Since 1648 **	3
HIST 017	People of the US to 1877 ***	3
HIST 018	People of the US from 1865 ***	3
HIST 023	Mexican American **	3
HIST 025	World History to 1500 **	3
PHIL 001	Introductory Philosophy	3
PHIL 005	Introduction to Ethics	3
PHIL 012	Comparative Religion	3
SPAN 003	Intermediate Spanish *	4
SPAN 004	Advanced Spanish *	4
SPAN 012	Hispanic Literature	3
SPAN 023	Spanish 3 for Spanish Speakers *	4

\* Indicates number of transfer units may be limited by UC. Consult with a counselor for additional information.

\*\* ETHN 001, ETHN 002, ETHN 003, ETHN 004, and ETHN 010; HIST 004, HIST 005, HIST 023, & HIST 025 can be counted in ONE AREA ONLY (3B or 4). DRAM 006 can be counted in ONE AREA ONLY (3A or 3B).

\*\*\* HIST 017 and/or HIST 018 can be counted in ONE AREA ONLY (3B or 4) and may be used to meet the CSU American Institutions Requirement (see CSU American Institutions Requirement description below).

**Area 4: Social and Behavioral Sciences**

Choose two courses from two different disciplines (6 units minimum).

Code	Title	Units
AG 001	AG, Society, & the Environment	3
AGMT 001	Agriculture Economics	3
AJ 045	Terrorism and Freedom	3
ANTH 010	Cultural Anthropology	3
ANTH 012	Archaeology	3
ANTH 013	Magic, Witchcraft, and Religion	3

CHLD 039	Child Growth and Development	3
CHLD 042	Child, Family, and Community	3
COMM 002	Gender and Communication	3
COMM 009	Intercultural Communication	3
ETHN 001	Black American Studies *	3
ETHN 002	American Indian Studies *	3
ETHN 003	Chicana and Chicano Studies *	3
ETHN 004	Asian American Studies *	3
ETHN 010	Introduction to Ethnic Studies and Social Justice Studies *	3
ECON 025	Introduction to Economics	3
ECON 040	Principles of Microeconomics	3
ECON 050	Principles of Macroeconomics	3
GEOG 002	World Regional Geography	3
HIST 004	History of Western Civilization to 1648 *	3
HIST 005	Western Civilization Since 1648 *	3
HIST 017	People of the US to 1877 **	3
HIST 018	People of the US from 1865 **	3
HIST 023	Mexican American *	3
HIST 025	World History to 1500 *	3
JOUR 007	Mass Communication	3
JOUR 020	Cultural Issues in Film/TV/Web	3
NUTR 020	Cultural Foods	3
POLS 005	Federal, State and Local Government ***	3
POLS 006	Comparative Politics	3
POLS 008	International Relations	3
POLS 011	Political Theory and Thought	3
POLS 012	Introduction to Political Science	3
PSY 001	General Psychology	3
PSY 005	Social Psychology	3
PSY 010	Human Sexuality	3
PSY 034	Abnormal Psychology	3
PSY 080	Introduction to Lifespan Psychology	3
SOC 001	Introduction to Sociology	3
SOC 002	Social Problems	3
SOC 010	Sociology of Gender	3
SOC 026	Marriage and Family Life	3
SOC 043	Sociology of Deviance	3
SSCI 050	Law and Democracy	3

\* ETHN 001, ETHN 002, ETHN 003, ETHN 004, and ETHN 010; HIST 004, HIST 005, HIST 023, & HIST 025 can be counted in ONE AREA ONLY (3B or 4)

\*\* HIST 017 and/or HIST 018 can be counted in ONE AREA ONLY (3B or 4) and may be used to meet the CSU American Institutions Requirement (see CSU American Institutions Requirement description below).

\*\*\* POLS 005 may be used to meet the CSU American Institutions Requirement (see CSU American Institutions Requirement description below).

### Area 5: Physical and Biological Sciences

Choose two courses, one from Group 5A and one from Group 5B; at least one course must include a laboratory (7 units minimum).

Code	Title	Units
<b>Group 5A: Physical Science</b>		
AG 004	Soil Science	3
ASTR 010	Introduction to Astronomy	3
CHEM 001	General Chemistry 1 (Lab) *	5
CHEM 002	General Chemistry 2 (Lab) *	5
CHEM 010	Introduction to Chemistry *	4
CHEM 012	Organic Chemistry 1 (Lab) *	5
CHEM 013	Organic Chemistry 2 (Lab) *	5
CHEM 020	Introduction to General Chemistry (Lab) *	4
CHEM 021	Organic/Biological Chemistry (Lab) *	4
GEOG 001	Physical Geography (Lab)	3
GEOG 001L	Physical Geography Lab (Lab)	1
GEOG 005	Introduction to Weather and Climate	3
GEOL 001	Physical Geology (Lab)	4
GEOL 005	Earth History (Lab)	4
GEOL 012	Environmental Geology	3
PSCI 020	Physical Science (Lab) *	4
PHYS 020	General Physics 1 (Lab) *	5
PHYS 021	General Physics 2 (Lab) *	5
PHYS 055	Physics 1: Mechanics & Waves (Lab) *	4
PHYS 056	Physics 2: E&M and Heat (Lab)	4
PHYS 057	Physics 3: Modern Physics (Lab)	5
<b>Group 5B: Biological Sciences</b>		
AG 002	Environmental Conservation	3
ANTH 011	Biological Anthropology	3
BIOL 001	Principles of Biology 1 (Lab)	5
BIOL 002	Principles of Biology 2 (Lab)	5
BIOL 020	Frontiers in Biology (Lab) *	4
BIOL 021	Plant Biology (Lab)	3
BIOL 022	Animal Biology (Lab)	3
BIOL 025	Human Ecology	3
BIOL 030	Human Anatomy (Lab)	4
BIOL 031	Human Physiology (Lab)	4
BIOL 040	General Microbiology (Lab)	4
PLSI 001	Introduction to Plant Science	3

\* Indicates number of transfer units may be limited by UC. Consult with a counselor for additional information.

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

Requirement may be satisfied by completing one of the following courses: SPAN 002, SPAN 003, SPAN 004, SPAN 022, SPAN 023, ASL 001, ASL 002, ASL 003, ASL 004, or PORT 002 or by completing one of the following:

1. Completion of 2 years of the same foreign language in high school with a minimum grade of C; or
2. A score of 3 or higher on an AP exam in language other than English; or
3. An appropriate score on an SAT II subject test in a language other than English; or
4. A score of 5 or higher on an International Baccalaureate Higher Level Exam in a language other than English; or

5. Satisfactory completion, with a minimum grade of C, of two years of formal schooling at the sixth grade level or higher in an institution where the language of instruction is not English.

### AREA 7: Ethnic Studies

Choose one course (3 units minimum)

Code	Title	Units
ETHN 001	Black American Studies *	3
ETHN 002	American Indian Studies *	3
ETHN 003	Chicana and Chicano Studies *	3
ETHN 004	Asian American Studies *	3
ETHN 010	Introduction to Ethnic Studies and Social Justice Studies *	3

\* ETHN 001, ETHN 002, ETHN 003, ETHN 004, & ETHN 010 can be counted in ONE AREA ONLY (3B, 4, or 7)

### CSU American Institutions Requirement

Although not required, CSU bound students are encouraged to complete the CSU American Institutions Requirement prior to transfer. This requirement may be met after transfer; however, students are advised to meet this requirement prior to transfer while completing the IGETC certification. The following courses fulfill both the CSU American Institutions Requirement and the IGETC Area 3B and/or IGETC Area 4 requirements.

Code	Title	Units
POLS 005	Federal, State and Local Government	3
and		
HIST 017	People of the US to 1877	3
or HIST 018	People of the US from 1865	

### IGETC Certification

“Certification” means that College of the Sequoias has verified that a student has completed the lower division general education requirements for the University of California. Certification is important because without it students will be held to the general education requirements specific to the UC campus to which the student transfers. Courses from other colleges and universities may be considered for certification through a process called “pass along certification”:

1. Courses taken at other California Community Colleges will be certified in the subject areas (AREA 1 – 6) approved by the institution where the courses were taken, and
2. Courses taken at other regionally accredited colleges and universities will be certified only if the course is determined to be equivalent to a course on a California Community College IGETC Certification Pattern. Courses deemed equivalent would be certified in the subject areas in which the equivalent CCC courses have been approved.

### IGETC Exceptions

IGETC is not accepted for Engineering majors and the following: Berkeley - College of Environmental Design, Chemistry, Natural Resources, and the Haas School of Business; Davis - all bachelor of science majors; Los Angeles – School of Applied Science; Riverside – College of Natural and

Agricultural Sciences; San Diego – Eleanor Roosevelt College and Revelle College; Santa Cruz – Physical and Biological Sciences.

IGETC is not recommended for the following: Merced – School of Natural Sciences; Santa Barbara - Biological Sciences, Chemistry, Computer Science, Physics, and Geology.

### AP Exams Approved to Clear Specific IGETC Areas

The first number in the ( ) is semester units granted by all campuses of the UC, at a minimum, as elective credits which count toward the 60 transferable units necessary for admissions eligibility. This list includes only AP exams approved for IGETC and is not exhaustive; unit limitations include 5.3 units for both English exams, 5.3 units for both calculus exams, and 5.3 units for all three physics exams (see a counselor for a complete list of exams and unit limitations.). The second number in the ( ) is the semester units applied to the fulfillment of IGETC requirements.

AP Score=3, 4, 5	GE Area
Art History (5.3/3)	3A or 3B
Biology (5.3/4)	5B and 5C
Calculus AB (2.7/3)	2
Calculus BC (5.3/3)	2
Chemistry (5.3/4)	5A and 5C
Chinese L&C (5.3/3)	3B and 6
English Lang & Comp (5.3/3)	1A
English Lit & Comp (5.3/3)	1A or 3B
Environ Sci (2.7/3)	5A and 5C
French L&C (5.3/3)	3B and 6
German L&C (5.3/3)	3B and 6
Govt: U.S. (2.7/3)	4 <sup>1</sup>
Govt: Comparative (2.7/3)	4
Hist: European (5.3/3)	3B or 4
Hist: U.S. (5.3/3)	3B or 4
Hist: World (5.3/3)	3B or 4
Human Geog (2.7/3)	4
Italian L&C (5.3/3)	3B and 6
Japanese L&C (5.3/3)	3B and 6
Latin (5.3/3)	3B and 6
Macroeconomics (2.7/3)	4
Microeconomics (2.7/3)	4
Phys 1 (5.3/4)	5A and 5C
Phys 2 (5.3/4)	5A and 5C
Phys C (Mech) (2.7/3)	5A and 5C
Phys C (Elect) (2.7/3)	5A and 5C
Psychology (2.7/3)	4
Spanish L&C (5.3/3)	3B and 6
Spanish Lit&C (5.3/3)	3B and 6
Statistics (2.7/3)	2

<sup>1</sup> **NOTE: AP GOVT: U.S. Exam** may be used to clear IGETC AREA 4; however, in order to clear the CSU American Institution graduation requirement for Federal, State, and Local Government students must also complete POLS 010.



## University of California Transfer Course List

College of the Sequoias courses that are acceptable by the University of California including all unit limitations are as follows:

<b>Accounting</b>	ACCT 001, ACCT 002	<b>Engineering</b>	ENGR 001, ENGR 002, ENGR 003, ENGR 004
<b>Administration of Justice</b>	AJ 011, AJ 013, AJ 014 <sup>1</sup> , AJ 025 <sup>1</sup> , AJ 045	<b>English</b>	ENGL 001, ENGL 002, ENGL 004, ENGL 010, ENGL 014, ENGL 015, ENGL 016, ENGL 018, ENGL 019, ENGL 030, ENGL 031, ENGL 044, ENGL 045, ENGL 046
<b>Agriculture</b>	AG 002, AG 003, AG 004	<b>Ethnic Studies</b>	ETHN 001, ETHN 002, ETHN 003, ETHN 004
<b>Agriculture Management</b>	AGMT 001	<b>English as a Second Language</b>	ESL 090
<b>American Sign Language</b>	ASL 001, ASL 002, ASL 003, ASL 004, ASL 005, ASL 006	<b>Fashion</b>	FASH 076
<b>Animal Science</b>	ASCI 001, ASCI 002, ASCI 022	<b>Geography</b>	GEOG 001, GEOG 001L, GEOG 002, GEOG 005
<b>Anthropology</b>	ANTH 010, ANTH 011, ANTH 012, ANTH 013	<b>Geology</b>	GEOL 001, GEOL 005, GEOL 012
<b>Architecture</b>	ARCH 010, ARCH 011, ARCH 013, ARCH 014, ARCH 020, ARCH 021, ARCH 070, ARCH 071	<b>Health and Wellness</b>	HW 001 <sup>6</sup> , HW 003, HW 007 <sup>6</sup> , HW 060 <sup>6</sup>
<b>Art</b>	ART 001, ART 002, ART 003, ART 004, ART 005, ART 006, ART 008, ART 009, ART 015, ART 016, ART 023, ART 025, ART 032, ART 043, ART 044, ART 049, ART 061, ART 062, ART 063, ART 064, ART 066, ART 067, ART 080	<b>History</b>	HIST 004, HIST 005, HIST 017, HIST 018, HIST 023, HIST 025
<b>Astronomy</b>	ASTR 010	<b>Human Services</b>	HSRV 012
<b>Biology</b>	BIOL 001, BIOL 002, BIOL 020 <sup>2</sup> , BIOL 021 <sup>2</sup> , BIOL 022 <sup>2</sup> , BIOL 025, BIOL 030, BIOL 031, BIOL 040	<b>Independent Study</b>	(See COS Counselor)
<b>Business</b>	BUS 018, BUS 020 <sup>3</sup> , BUS 082	<b>Intercollegiate Athletics</b>	IA 001AD through IA 051AD <sup>7</sup>
<b>Chemistry</b>	CHEM 001, CHEM 002, CHEM 012, CHEM 013, CHEM 020 <sup>4</sup> , CHEM 021 <sup>5</sup>	<b>Journalism</b>	JOUR 001, JOUR 007, JOUR 011, JOUR 020
<b>Child Development</b>	CHLD 039, CHLD 042	<b>Kinesiology</b>	KINE 001 <sup>8</sup> , KINE 082 <sup>8</sup> , KINE 084 <sup>8</sup> , KINE 088 <sup>8</sup> , KINE 093 <sup>8</sup>
<b>Cinema Arts</b>	CINA 031, CINA 032	<b>Mathematics</b>	MATH 005, MATH 010 <sup>9</sup> , MATH 011 <sup>9</sup> , MATH 021 <sup>10</sup> , MATH 035 <sup>20</sup> , MATH 044 <sup>20</sup> , MATH 065, MATH 066, MATH 067, MATH 070 <sup>20</sup> , MATH 080, MATH 081
<b>Communication</b>	COMM 001, COMM 004, COMM 005, COMM 007, COMM 008, COMM 009	<b>Music</b>	MUS 001 <sup>11</sup> , MUS 004 <sup>11</sup> , MUS 005 <sup>11</sup> , MUS 006, MUS 007, MUS 010, MUS 011, MUS 013, MUS 014, MUS 020AD, MUS 030, MUS 031, MUS 034AD, MUS 036, MUS 037, MUS 038, MUS 039, MUS 041AD, MUS 054AD, MUS 072AD, MUS 074AD, MUS 091, MUS 097
<b>Computer</b>	COMP 005, COMP 006, COMP 008, COMP 009	<b>Nutrition</b>	NUTR 018, NUTR 020
<b>Computer Science</b>	CSCI 001, CSCI 002	<b>Ornamental Horticulture</b>	OH 001, OH 002 <sup>12</sup> , OH 003 <sup>12</sup> , OH 007
<b>Dance</b>	DANC 020, DANC 041, DANC 050, DANC 051, DANC 054, DANC 055, DANC 056, DANC 058, DANC 059, DANC 061, DANC 062, DANC 063, DANC 070, DANC 071, DANC 080, DANC 081, DANC 082, DANC 085	<b>Philosophy</b>	PHIL 001, PHIL 005, PHIL 012, PHIL 020, PHIL 025
<b>Counseling</b>	COUN 025	<b>Physical Education Activity (PEAC)</b>	PEAC 001 through PEAC 099 <sup>13</sup>
<b>Drafting</b>	DRFT 016	<b>Physical Science</b>	PSCI 020 <sup>14</sup>
<b>Drama</b>	DRAM 001, DRAM 002, DRAM 003, DRAM 004, DRAM 005, DRAM 006, DRAM 012, DRAM 013, DRAM 014, DRAM 015, DRAM 016, DRAM 017, DRAM 019, DRAM 020, DRAM 021, DRAM 022, DRAM 030	<b>Physics</b>	PHYS 020 <sup>15</sup> , PHYS 021 <sup>15</sup> , PHYS 055 <sup>15</sup> , PHYS 056 <sup>15</sup> , PHYS 057 <sup>15</sup>
<b>Earth Science</b>	ESCI 001, ESCI 055	<b>Plant Science</b>	PLSI 001, PLSI 012
<b>Economics</b>	ECON 025, ECON 040, ECON 050	<b>Political Science</b>	POLS 005, POLS 006, POLS 008, POLS 010, POLS 012, POLS 013
<b>Education</b>	EDUC 050	<b>Portuguese</b>	PORT 001, PORT 002
		<b>Psychology</b>	PSY 001, PSY 005, PSY 010, PSY 029, PSY 034, PSY 080
		<b>Public Health Science</b>	PHSC 001, PHSC 002
		<b>Sociology</b>	SOC 001, SOC 002, SOC 010, SOC 015, SOC 026, SOC 043

<b>Social Science</b>	SSCI 025 <sup>16</sup> , SSCI 050, SSCI 008
<b>Spanish</b>	SPAN 001, SPAN 002, SPAN 003, SPAN 004, SPAN 012, SPAN 022 <sup>17</sup> , SPAN 023 <sup>18</sup>
<b>Sports Medicine</b>	SMED 040, SMED 060 <sup>19</sup>

- <sup>1</sup> AJ 014 and AJ 025 combined: maximum credit allowed - one course
- <sup>2</sup> No credit for BIOL 020 or BIOL 022 if taken after BIOL 001. No credit for BIOL 021 if taken after BIOL 002
- <sup>3</sup> BUS 020, MATH 021 and SSCI 025 combined: maximum credit allowed - one course
- <sup>4</sup> No credit for CHEM 020 if taken after CHEM 001
- <sup>5</sup> No credit for CHEM 021 if taken after CHEM 012
- <sup>6</sup> HW 001, HW 007, and HW 060 combined: maximum credit allowed - one course  
NOTE: HW 060 same as SMED 060
- <sup>7</sup> See PEAC for limitation
- <sup>8</sup> KINE 001, KINE 082, KINE 084, KINE 088, KINE 093 combined: maximum credit - 8 units
- <sup>9</sup> MATH 010 and MATH 011 combined: maximum credit allowed - one course
- <sup>10</sup> MATH 021, BUS 020 and SSCI 025 combined: maximum credit allowed - one course
- <sup>11</sup> MUS 001, MUS 004, & MUS 005 combined: no credit for MUS 001 if taken after MUS 004 or MUS 005
- <sup>12</sup> OH 002 and OH 003 combined; maximum credit allowed - one course
- <sup>13</sup> Any or all of these PE Activity courses: maximum credit allowed - 4 units
- <sup>14</sup> No credit for PSCI 020 if taken after a college course in Astronomy, Chemistry, Geology, or Physics
- <sup>15</sup> PHYS 020, PHYS 021, combined with PHYS 055, PHYS 056, and PHYS 057: maximum credit - one series
- <sup>16</sup> SSCI 025, BUS 020 and MATH 021 combined: maximum credit allowed - one course
- <sup>17</sup> SPAN 022 is equivalent to SPAN 002: maximum credit allowed - one course  
SPAN 002 and SPAN 022 each correspond to two years of high school study
- <sup>18</sup> SPAN 023 is equivalent to SPAN 003: maximum credit allowed - one course
- <sup>19</sup> SMED 060 and HW 001 & HW 007 combined; maximum credit allowed - one course  
NOTE: SMED 060 same as HW 060
- <sup>20</sup> MATH 035, MATH 044, and MATH 070 combined: maximum credit, 5 units