

# TRANSFER TO THE UNIVERSITY OF CALIFORNIA (UC)

## The University of California

The University of California (UC) is one of the finest research universities in the world. It offers more than 900 degree programs and 160 academic disciplines, with more academic departments ranked in the top 10 nationally than any other public or private university. The UC system has 10 campuses; one (UC San Francisco) is a graduate/professional program and nine (UC Berkeley, UC Davis, UC Irvine, UC Los Angeles, UC Merced, UC Riverside, UC San Diego, UC Santa Barbara, and UC Santa Cruz) offer undergraduate programs.

All nine campuses have uniform minimum entrance requirements and certain other features in common. However, each campus is distinctive and not all majors are offered on all campuses. Students should investigate the various undergraduate colleges, schools, and majors available on each campus to determine which campuses will best satisfy their educational needs. Students are further encouraged to discuss with their counselor or with a UC Admissions representative the particular advantages each campus has to offer. For more information, see [universityofcalifornia.edu](http://universityofcalifornia.edu) (<http://universityofcalifornia.edu>).

## The Campuses of the University of California

- University of California, Berkeley (UCB or Cal)
- University of California, Davis (UCD)
- University of California, Irvine (UCI)
- University of California, Los Angeles (UCLA)
- University of California, Merced (UCM)
- University of California, Riverside (UCR)
- University of California, San Diego (UCSD)
- University of California, San Francisco (UCSF)
- University of California, Santa Barbara (UCSB)
- University of California, Santa Cruz (UCSC)

Nearly 30 percent of University of California (UC) undergraduates are transfer students. Students from California community colleges (CCC) can become eligible for admission to the UC by meeting specific requirements. The requirements described below represent the minimum academic standards students must attain to be considered for admission to the University. **Meeting the minimum requirements does not guarantee admission to the University nor does it guarantee admission to a particular campus or major of the student's choice.** Many campuses and majors receive more applications than they have spaces available. To be more competitive, students should work toward meeting the specific major preparation courses and general education requirements for the campuses and majors they're interested in.

## I. Admission Requirements as Junior-Level Transfer

The UC gives highest priority to CCC students transferring as juniors. A transfer student, according to the University, is a student who has enrolled in a regular session (fall, winter, or spring) at a college or university after high school. A student who meets this definition cannot

disregard his or her college record and apply as a freshman. A student who attends a college summer program immediately after graduating from high school or who has completed college work while in high school is still considered a freshman applicant.

To be considered for admission as a junior-level transfer applicant, a student must fulfill the following criteria:

1. Complete 60 semester (90 quarter) units of UC transferable college credit. No more than 14 semester (21 quarter) units of the 60 semester (90 quarter) units may be taken pass-no-pass, or credit/no credit basis, unless the student is transferring from a college or university that awards only Pass credit.

**NOTE:** Students should visit [www.assist.org](http://www.assist.org) (<http://www.assist.org>) to make sure their courses are approved for UC transfer.

2. Earn at least a 2.4 GPA in UC-transferable courses (2.8 for non-California residents). Some campuses and majors require a higher GPA for admission selection.

**Note:** A grade of D (including plus/minus) in a transferable course will count toward the number of transferable units completed. However, a grade of C or better is required when completing the seven-course pattern. And, in most cases, grades of D do not satisfy major or general education requirements.

3. Be in good academic standing (2.0 GPA or better) at the last institution of attendance and at any previous UC campus where the student was enrolled in a regular term (e.g., fall, winter, spring).

4. Complete either:

- a. The Intersegmental General Education Transfer Curriculum (IGETC) **or**
- b. the following seven-course pattern by the end of the spring term prior to fall enrollment at UC and earn a grade of C or better in each course or a Pass (P) grade if pass is equivalent to a C (2.00).
  - Two UC transferable college courses (3 semester or 4-5 quarter units each) in English composition.
  - One UC transferable college course (3 semester or 4-5 quarter units) in mathematical concepts and quantitative reasoning;
  - Four transferable college courses (3 semester or 4-5 quarter units each) chosen from at least two of the following subject areas:
    - Arts and Humanities
    - Social and Behavioral Sciences
    - Physical and Biological Sciences

5. Complete the required/recommended courses need for your intended major with the minimum grades.

Additionally, AP exams with scores of 3, 4, or 5 can be used to meet minimum requirements. Please note: Only one of the two English composition/literature courses required can be met with an exam score.

## Temporary Modifications to Transfer Admission Requirements Due to COVID-19

In light of the COVID-19 pandemic, UC approved the following temporary modifications to transfer admission requirements. These modifications pertain to students enrolled in a college or university during the specific terms mentioned below, regardless of when those students plan to transfer to UC. Additional information about UC's

COVID-19 response related to undergraduate admission can be found at [admission.universityofcalifornia.edu/response-covid-19.html](https://admission.universityofcalifornia.edu/response-covid-19.html).

- UC temporarily suspended the cap on Pass/No Pass (P/ NP) and Credit/No Credit (CR/NC) units applied toward the minimum 60 semester/90 quarter units required for junior standing. Courses that were taken with P/NP or CR/NC grading in the winter, spring, and summer terms of 2020 will not count toward UC's limit of 14 semester/21 quarter transferable units, regardless of when the student applies for admission.
- All undergraduate campuses agreed to accept P or CR grades for admission purposes in major preparatory courses completed in spring 2020 for all majors, as long as the P or CR grade is equivalent to a C (2.0) or better.
  - **Exception:** The Psychology and Cognitive Science majors at UC Santa Cruz continued to require letter grades in all major preparatory courses.
  - At UC Berkeley, all colleges agreed to accept P or CR grades (equivalent to at least a C [2.0] grade) in general education/ breadth and major preparation courses completed in winter/ spring 2020 for students applying for fall 2022.
  - At UC Davis, all colleges agreed to accept P or CR grades (equivalent to at least a C [2.0] grade) in general education/ breadth and major preparation courses completed in winter/ spring 2020.
  - UC Irvine, UCLA, and UC Riverside agreed to accept P or CR grades (equivalent to at least a C [2.0] grade) for courses completed in winter, spring and summer 2020.

Please refer to each campus's website for any additional campus-specific modifications taken in response to COVID-19

## How to Transfer as a Junior-Level Applicant

To transfer to the University as a CCC junior-level transfer student, a student must take the following steps:

- 1. Meet Admission Requirements** – a student must complete the statewide eligibility requirements for transferring to the UC, see Admission Requirements as Junior-Level Transfer listed above.
- 2. Major Preparation Requirements** – major preparation requirements specify the courses a student must take during the first two years of college to prepare for advanced study in the selected major. Major preparation is one of the central factors some UCs use to determine admissions to the University. They may be required as part of the major, be prerequisites for other courses that are required as part of the major or be required to gain admission to the major. Completing these courses before transfer makes a student a more competitive applicant and will help ensure on-time graduation after transfer.
 

**Performance counts** - transfer applicants are evaluated, in part, on the basis of their performance in major preparation coursework. So it's important – very important – that the students investigate the requirements for the intended major as soon as possible. If the major requires mathematics and/or science, it is essential that those prerequisites be completed before transfer. Lack of preparatory coursework may affect admission to the major, particularly if there are many applicants vying for a limited number of spaces.

**Start early** - Students should begin coursework in the major as soon as one is selected. For fall admission, the campus may require the completion of certain major preparation requirements by the end of the preceding spring term. All campuses recommend that the

student complete mathematics and English as early as possible (some highly recommend or require completion by the end of the fall term, one year prior to enrolling at UC).

Students who have decided on a major but are undecided on the specific UC campus can refer to the UC Transfer Pathways for the list of most common lower-division pre-major preparation courses required for the 21 most popular majors at the UC. Schedule an appointment with a counselor to discuss and explore the many options of major and career available.

### 3. Complete an appropriate set of general education course requirements and electives.

Transfer students have three options for fulfilling General Education (GE) preparation for the UC, depending on the campus and major selected:

- a. Intersegmental Transfer General Education Transfer Curriculum (IGETC)** is a series of courses that California community college students may complete to satisfy the lower-division breadth/ general education requirements at both the UC and the California State University (CSU). The IGETC pattern is helpful for students who know they want to transfer but have not yet decided upon a particular system, institution, or major. Students who intend to transfer into high-unit majors, such as engineering and many of the physical and natural sciences, should concentrate on completing the many prerequisites for the major that the college screens for to determine eligibility for admission. OR
- b. IGETC for STEM** (science, technology, engineering, or mathematics) - UC will accept IGETC for STEM only if:
  - An associate degree for transfer (ADT) at a CCC that offers IGETC for STEM as an option for those degrees **AND**
  - The UC major program or college accepts partial IGETC certification.

**Notes:** As of May 2022, UC will accept IGETC for STEM for the associate degrees for transfer (ADT) in Biology, Chemistry, or Environmental Science. Although IGETC for STEM is an option, students should prioritize completing major-preparation courses for the specific campuses and programs they are considering.

- c. Campus-specific general education requirements** of the college or campus they plan to attend, visit [assist.org](https://www.assist.org) (<https://www.assist.org>) website.

## Transfer Pathways and Pathways+

In an effort to simplify the transfer process and help students better prepare for admission, the University of California (UC) has developed the UC Transfer Pathways. The intent of the Transfer Pathways is to provide an academic roadmap to the most popular majors for California community college (CCC) students by identifying and unifying major preparation requirements in selected majors for those students who apply to multiple UC campuses or who do not yet know which campus they plan to attend.

These Pathways, created by UC faculty and academic leaders, outline a single set of lower-division, pre-major preparation courses that will prepare transfer students for a particular major at any of the university's nine undergraduate campuses, and position a greater number of students to graduate from UC within two years after they transfer.

Below are the available majors for the **Transfer Pathways**:

- Anthropology
- Biochemistry
- Biology
- Business Administration
- Cell Biology
- Chemistry
- Communication
- Computer Science
- Economics
- Electrical Engineering
- English
- History
- Mathematics
- Mechanical Engineering
- Molecular Biology
- Philosophy
- Physics
- Political Science
- Psychology
- Sociology

Each pathway outlines the set of courses students should take to be competitive across the UC system. Some campuses and majors listed may want fewer courses for admission, but none will expect more. In addition, campuses may have grade requirements for particular courses, but with this roadmap, students will know which classes to take to prepare for all campuses in a single major. You can read more about the UC Transfer Pathways (<https://admission.universityofcalifornia.edu/admission-requirements/transfer-requirements/uc-transfer-programs/transfer-pathways/>). Students are strongly encouraged to apply to multiple campuses to improve their chances of admission.

**Pathways+** combines the most attractive aspects of both **TAG and Transfer Pathways**: the security of an admissions guarantee to one of six TAG campuses, plus strong major preparation for any campus offering the Pathways major. **Pathways+** provides students with a solid foundation for academic success and timely degree completion after transfer. A student who submits a TAG and completes the pathway pre-major courses and general education courses with a satisfactory GPA will be guaranteed admission to the TAG campus and well-prepared for junior-level transfer to other UC campuses in that major and well-positioned to graduate in a timely fashion. The UC Transfer Pathways Guide provides a listing of community college courses that meet the course expectations for each of the pathways. For more information on Pathways+, visit the Pathway+ (<https://admission.universityofcalifornia.edu/admission-requirements/transfer-requirements/uc-transfer-programs/pathways-plus.html>) website.

### Transferring with an Associate Degree for Transfer

For students working toward an Associate Degree for Transfer (ADT), courses should be chosen that align with the requirements of the intended UC campus. Students should refer to the ASSIST website to guide them in selecting the right courses. Although earning an ADT does not guarantee admission to a UC, some campuses consider it in the comprehensive application review process.

## II. Other Types of Transfer

Some campuses admit a limited number of transfer students from a four-year (or out-of-state two-year) institution, lower-division transfers (completed less than 60 UC transferable semester units), second baccalaureate degrees, or limited status if the applicant has met the specific requirements. To check for the campus and majors available for the upcoming terms, visit the Check Majors (<https://admission.universityofcalifornia.edu/campuses-majors/majors/>) website.

## III. Transfer Admission Guarantee (TAG)

Six UC campuses offer guaranteed admission to California community college (CCC) students who meet specific requirements. By participating in a Transfer Admission Guarantee (TAG) program, students may, at some campuses, receive an early review of their academic records, early admission notification, and specific guidance on major preparation and general education coursework. For more information on TAG, visit a counselor and/or the TAG (<https://admission.universityofcalifornia.edu/admission-requirements/transfer-requirements/transfer-admission-guarantee-tag.html>) website

### TAG is available for the following UCs:

- Davis
- Irvine
- Merced
- Riverside
- **Santa Barbara, and**
- Santa Cruz.

### Who Can File a TAG?

Only students transferring directly from a California community college (CCC) are considered for a TAG, including international students (those with a visa). Again, a CCC transfer is one who has completed at least 30-semester (45 quarter) UC-transferable units at one or more CCCs, and the last college the student attended in a regular session (fall/spring or fall/winter/spring) before admission to a UC campus is a CCC. All UC campuses that offer TAG's require students to meet this definition.

### Who's NOT Eligible for a TAG?

Students who have already earned a bachelor's degree, graduate degree, and/or professional degree cannot receive a TAG. Students who have previously enrolled at a UC campus during a regular term (not including summer session) cannot submit a TAG application to return to that same campus. Students concurrently enrolled in high school are not eligible for TAG.

For most up-to-date information on TAG, visit our Career Transfer Center and/or schedule an appointment with a counselor.

## IV. Additional Transfer Information

### Transfer Selection by Campus

Many colleges, schools, or majors within the UC are highly selective and may have additional program requirements. These could include but are not limited to an audition, submission of a portfolio, supplemental applications, specific prerequisite coursework, test scores, and/or higher GPA than the minimum criteria for admission. Students are advised to make themselves as competitive as possible when applying for admission both in GPA and course preparation. Visit the how applications are reviewed (<https://admission.universityofcalifornia.edu/how-to-apply/>)

applying-as-a-freshman/how-applications-are-reviewed.html) website to obtain information on the factors the UC campus looks for in an applicant.

## Limitations on Transfer Credit

In order to receive transfer credit, a CCC course must be approved by the UC and be listed on the Transfer Course Agreement (TCA) available in this catalog and on [www.assist.org](http://www.assist.org) (<http://www.assist.org>).

### 1. Lower-Division Units

All lower-division units, whether from a 2-year and/ or 4-year college/ university are limited to a maximum of 70 semester (105 quarter) units toward the UC degree. For units beyond the maximum (70 semester or 105 quarter) for which credit is awarded will be granted subject credit and may be used to satisfy subject requirements.

- Units earned through AP, IB, and/or A-Level examinations are not included in the limitation and do not put applicants at risk of being denied admissions.
- Units earned at any UC campus (Extension, summer, cross/ concurrent and regular academic year enrollment) are not included in the limitation but are added to the maximum transfer credit allowed and might put applicants at risk of being denied admission due to excessive units.

**Note:** if all courses are completed at one or more 2-year (community) colleges, a student would never be in danger of having too many (excessive) units.

### 2. University of California Courses

- Courses from enrollment at another UC main campus (not UC Extension) during a regular academic (fall, winter, spring) or summer term are all transferable.
- Courses from enrollment at any UC Extension are transferable if the course is numbered X1-X199; course numbers 1-99 which include a campus designation (e.g. XB, XLA) are equivalent to the same course offered to undergraduates on that campus.

### 3. Duplicative Credit

UC will not grant credit for college courses if the content duplicates material of previous completed courses or examinations for which credit has already been granted; with the exception of the repeat of deficient (C-/D/F) course grades

### 4. Grades of D

A grade of D (including plus/minus) in a transferable course will count toward the number of transferable units completed. However, the student must earn a grade of C or better when completing the seven-course pattern, and, in most cases, grades of D do not satisfy major or general education requirements.

#### a. Pass grades:

Pass (P) or Credit (CR) grades are acceptable in transferable courses as long as they are equivalent to a grade of C or better (not C-); however, students are strongly advised that they must take courses required for their major for a letter grade. See Temporary Modifications to Transfer Admission Requirements due to COVID-19, UC does not grant credit for: work or volunteer experience, vocational or technical training, and personal enrichment courses; remedial academic or pre-baccalaureate courses, especially in English and mathematics; or College- Level Examination Program (CLEP), or DANTES Subject Standardized Tests (DSST) exams.

Courses completed at unaccredited/non-regionally accredited institutions may be reviewed on a case-by- case basis. Contact the individual UC campus for more information.

**6. Independent Study and Variable topics** courses are reviewed after transfer by the enrolling institution and credit is given only after a review of the scope and content of the course and may require recommendations by faculty. Students must submit the course syllabus and petition for credit. Faculty recommendations from the sending CCC campus may be required. This applies to courses in Independent Study, Experiential Learning, Field Studies, Individual Projects, Internships, Special Studies, Special Topics, and Tutorial.

**7.** UC does not grant credit for variable topics courses in Journalism, Photography, Health, Business Administration, Architecture, Administration of Justice (Criminology) or Library Departments because of credit restrictions in these areas:

- **One course is allowed for credit in the areas of Health, First Aid, Business Law, College Success and Library Studies**

### 8. International Academic Records

UC does not grant credit for junior/community college programs that are technical or vocational, or that do not lead to further academic study at a University in the international country.

### 9. Elementary/Intermediate (lower-division) language course

No credit is granted to students who were instructed in that language during secondary school.

### 9. Honors Courses

Duplicate credit will not be awarded for both the honors and regular versions of a course. Credit will only be awarded to the first course completed with a grade of C or better.

### 10. Physical Education Courses

A maximum of 4 semester (6 quarter) units of PE Activity; a maximum of 8 semester (12 quarter) units of physical education theory.

### 11. English as a Second Language Courses (ESL/ELD)

A maximum of 8 semester (12 quarter) units will earn transfer credit

**12. Physics** - students may take one series in Physics.

## Repeated Courses

- A student is allowed to repeat each course in which a "C-", "D+", "D", "D-", "F" or "NP" grade was originally earned, as many times as necessary, until the first time he or she earns a letter grade of "C" or better. The following rules apply:
- The replacement (repeat) course must have curriculum similar to the original course (the same content but not necessarily the same title) and must be offered at the same level as the original course.
- The new grade earned will replace the deficient grade in the GPA calculation. UC does not average the grades.
- All coursework (original and repeats) must be reported on the admission application.
- A non-honors course can be used as a repeat of an honors-level course.
- An honors-level course may be used as a repeat of a non-honors course.
- Repeat of "C" (2.0) grades is not allowed, regardless of the repeat policy at the sending institution.

8. Repeat of courses out of sequence is not allowed.
  - Sequential subjects for UC are chemistry, English as a second language, languages other than English and mathematics. These are also the subjects for which UC allows validation.
  - Students may not repeat a lower-level course if a grade of D- or higher has already been earned in a higher-level course. UC will not award credit or grade points for such courses.
9. UC courses must be repeated at UC, but not necessarily at the original campus.
10. Non-UC courses may be repeated at any U.S. regionally accredited college (or international university by the Ministry of Education).
  - UC will not grant credit for college courses in which the content duplicates material of a previously completed course or examination for which credit has already been granted, with the exception of the repeat of deficient (C-/D/ F) course grades.

## Course Sequences

When requirements are stated as a full-year sequence, students are encouraged to complete the entire course series before transferring to avoid duplicating coursework. Also, the topics covered in a particular semester or quarter of the sequence at a community college may not be the same as at a UC campus.

## U.S. Military Service Courses

UC may award lower division (freshman/sophomore level) units for military courses completed if the courses are consistent with University policy on granting transfer credit when there is an equivalent course taught at a UC campus. UC will consult the ACE recommendations for information regarding course content and as a guide to awarding of credit. Credit for military courses is determined after matriculation at UC.

## University of California Transfer Course Agreement (UC TCA) 2022–2023

This agreement lists courses transferable for unit credit at all UC campuses. Although all courses that appear on this chart have been approved as transferable to the UC system, how they are applied may vary from campus to campus. Students should go to [assist.org](https://www.assist.org/) (<https://www.assist.org/>) and research their intended major. New courses added to the TCA or removed after this catalog was published can also be found on [assist.org](https://www.assist.org/) (<https://www.assist.org/>). A list of courses that fulfill General Education requirements at all UC campuses can be found on the IGETC Certificate of Achievement Requirements (<http://catalog.vcccd.edu/ventura/programs-courses/general-studies-options/igetcc-coa/#requirements-text>) page. **All students planning to apply to the UC should also consult a college counselor in the Counseling Office** (<https://www.venturacollege.edu/departments/student-services/counseling/>) **or the University Transfer Center** (<https://www.venturacollege.edu/departments/student-services/university-transfer-center/>).

Honors Course Credit Information: Duplicate credit will not be awarded for both the honors and the regular versions of a course. Credit will be awarded only to the first course completed with a grade of "C" or better. *Last update June 2022.*

Course ID	Title	Units/ Hours
<b>Accounting (see Business)</b>		
<b>Agriculture</b>		
AG V01	Agriculture and Society: Agriculture as the Foundation for Modern Civilization	3
AG V04	Introduction to Soil Science	3
AG V06	Introduction to Plant Science (with Laboratory)	3
AG V10	Introduction to Agriculture Business	3
AG V12	Agriculture Economics	3
AG V14	Agricultural Accounting	3
AG V22	Introduction to Plant Pathology: Insects and Diseases of Plants	3
AG V30	Plant Propagation and Production	3
AG V42	Plant Identification and Culture: Spring Specimens	3
AG V43	Plant Identification and Culture: Fall Specimens	3
AG V61	Introduction to Animal Science	3
AG V66	Anatomy and Physiology of Animals	4
<b>American Ethnic Studies (see also Chicano Studies)</b>		
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 V10	Introduction to African and Pre-Columbian Art	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
AES V65	Introduction to Asian Art	3
AES V66	Introduction to Modern and Contemporary Latin American Art	3
<b>Anatomy, Anatomy/Physiology, and Physiology</b>		
ANAT V01	Human Anatomy (*)	4

ANPH V01	Introduction to Human Anatomy and Physiology (*)	5	ART V11B	Color and Design: Color Theory and Practice	3
PHSO V01	Human Physiology (*)	4	ART V12A	Drawing and Composition I	3
* ANAT V01, ANPH V01, or PHSO V01 combined: maximum credit, 2 courses			ART V12B	Drawing and Composition II	3
<b>Anthropology</b>			ART V13A	Life Drawing I	3
ANTH V01	Biological Anthropology	3	ART V13B	Life Drawing II	3
ANTH V01L	Biological Anthropology Laboratory	1	ART V13C	Life Drawing III	3
ANTH V02	Cultural Anthropology	3	ART V13D	Life Drawing IV	3
ANTH V03	Introduction to Archaeology	3	ART V15A	Life Painting I	3
ANTH V04	Native Peoples of North America	3	ART V15B	Life Painting II	3
ANTH V05	Linguistic Anthropology: Culture and Communication	3	ART V15C	Life Painting III	3
ANTH V06	Sex, Gender, and Culture	3	ART V16A	Beginning Oil Painting I	3
ANTH V07	The Anthropology of Magic, Witchcraft, and Religion	3	ART V16B	Beginning Oil Painting II	3
ANTH V35	Introduction to Forensic Science (*)	3	ART V19	Three-Dimensional Design	3
ANTH V35L	Introduction to Forensic Science Laboratory	1	ART V20A	Intermediate Oil Painting I	3
ANTH V36	Forensic Anthropology (*)	3	ART V20B	Intermediate Oil Painting II	3
* CJ V02, CJ V14, CJ V19, CJ V25, CJ V27, CJ V28, CJ V35, CJ V36, CJ V49, ANTH V35, and ANTH V36 combined: maximum credit, 1 course			ART V20C	Portfolio Development	3
<b>Architecture (see also Drafting)</b>			ART V25A	Beginning Sculpture I	3
ARCH V10	Introduction to Architectural Design (*)	2	ART V25B	Beginning Sculpture II	3
ARCH V21	Architectural Graphics I	3	ART V26A	Intermediate Sculpture I	3
ARCH V22	Architectural Graphics II	3	ART V26B	Intermediate Sculpture II	3
ARCH V23	Introduction to Autocad (+)	2	ART V27	Metal Art Sculpture	3
ARCH V24	Advanced Operations of AutoCAD (+)	2	ART V29A	Illustration I	3
ARCH V25	Digital Tools for Architecture	3	ART V29B	Illustration II	3
ARCH V33	Computer Applications in Architecture (+)	3	ART V46A	Beginning Acrylic Painting I	3
ARCH V40	Architectural Design I (*)	3	ART V46B	Beginning Acrylic Painting II	3
ARCH V41	Architectural Design II (*)	3	ART V47A	Intermediate Acrylic Painting I	3
* ARCH V10, ARCH V40, and ARCH V41 combined: maximum credit, 3 units			ART V47B	Intermediate Acrylic Painting II	3
+ ARCH V23, ARCH V24, and ARCH V33 combined: maximum credit, 4 units			ART V50A	Handbuilding Ceramics I	3
<b>Art (see also Film Studies and Photography)</b>			ART V50B	Handbuilding Ceramics II	3
ART V01	Art Appreciation	3	ART V50C	Handbuilding Ceramics III	3
ART V02A	Introduction to the History of Western Art I	3	ART V50D	Handbuilding Ceramics IV	3
ART V02B	Introduction to the History of Western Art II	3	ART V51A	Beginning Ceramics I	3
ART V02D	Art of the Ancient Mediterranean	3	ART V51B	Beginning Ceramics II	3
ART V03	Introduction to African and Pre-Columbian Art	3	ART V52A	Ceramic Design I	3
ART V04	Introduction to Renaissance and Baroque Art	3	ART V52B	Ceramic Design II	3
ART V05	Introduction to American Art	3	ART V53A	Ceramic Glaze Theory I	3
ART V06	Introduction to Modern Art	3	ART V53B	Ceramic Glaze Theory II	3
ART V07	Introduction to Women in the Arts	3	ART V58A	Figure Sculpture I	3
ART V08	Introduction to Asian Art	3	ART V58B	Figure Sculpture II	3
ART V09A	Art of the Ancient Americas	3	ART V58C	Figure Sculpture III	3
ART V09B	Introduction to Modern and Contemporary Latin American Art	3	ART V60	Responsive Web Design	3
ART V11A	Color and Design: Two-Dimensional Design	3	ART V68	Introduction to Digital Art	3
			ART V71	Graphic Design: Typography (*)	3
			ART V72	Introduction to Graphic Design (*)	3
			ART V73A	Digital Imaging	3
			ART V74A	Digital Painting I	3
			ART V74B	Digital Painting II	3
			ART V81	Introduction to Motion Graphic	3
			* ART V71 and ART V72 must be completed to receive transfer credit		
			<b>Art History (see Art)</b>		

**Astronomy**

AST V01	Elementary Astronomy	3
AST V01L	Elementary Astronomy Laboratory	1

**Biology**

BIOL V01	Principles of Biology (*)	3
BIOL V01L	Principles of Biology Laboratory (*)	1
BIOL V03	Introduction to Organismal Biology and Ecology	5
BIOL V04	Introduction to Cell and Molecular Biology	5
BIOL V10	Introduction to Environmental Issues	3
BIOL V12	Human Biology (*)	3
BIOL V14	Field Biology	4
BIOL V18	Human Heredity	3
BIOL V23	Introduction to Plant Biology	4
BIOL V29	Marine Biology	3
BIOL V29L	Marine Biology Laboratory	1

\* No credit for BIOL V01, BIOL V01L, or BIOL V12 if taken after BIOL V03

**Business**

BUS V01A	Financial Accounting	4
BUS V01B	Managerial Accounting	4
BUS V17	Computer Applications	3
BUS V30	Introduction to Business	3
BUS V33	Business Law (*)	3
BUS V40	Organizational Behavior	3
BUS V43	International Business	3
BUS V53	Legal Environment of Business (*)	3

\* BUS V33 and BUS V53 combined: maximum credit, 1 course

**Chemistry**

CHEM V01A	General Chemistry I	3
CHEM V01AL	General Chemistry I Laboratory	2
CHEM V01B	General Chemistry II	3
CHEM V01BL	General Chemistry II Laboratory	2
CHEM V12A	General Organic Chemistry I (*)	3
CHEM V12AL	General Organic Chemistry I Laboratory (*)	2
CHEM V12B	General Organic Chemistry II	3
CHEM V12BL	General Organic Chemistry II Laboratory	2
CHEM V20	Elementary Chemistry (+)	4
CHEM V20L	Elementary Chemistry Laboratory (+)	1
CHEM V21	Introduction to Organic and Biochemistry (*)	3
CHEM V21L	Introduction to Organic and Biochemistry Laboratory (*)	2
CHEM V30	Chemistry for Health Sciences	4
CHEM V30L	Chemistry for Health Sciences Laboratory	1

\* CHEM V12A, CHEM V12AL and CHEM V21, CHEM V21L combined: maximum credit, 1 course (with Lab)

+ No credit for CHEM V20, CHEM V20L if taken after CHEM V01A, CHEM V01AL

**Chicano Studies (see also American Ethnic Studies)**

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
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**Child Development (see also Education)**

CD V02	Child Growth and Development (*)	3
CD V03	Human Development (*)	3
CD V05	Teaching in a Diverse Society	3
CD V10	Introduction to Children with Special Needs	3
CD V27	Infant and Toddler Development	3
CD V61	Child, Family, and Community	3

\* CD V02 and CD V03 combined: maximum credit, 1 course

**Communication Studies**

COMM V01	Introduction to Speech Communication	3
COMM V02	Introduction to Communication	3
COMM V03	Group Communication	3
COMM V05	Oral Interpretation and Communication of Literature	3
COMM V10	Critical Thinking in Oral Communication: Argumentation and Debate	3
COMM V12	Intercultural Communication	3
COMM V15	Interpersonal Communication	3
COMM V16	Introduction to Mass Communications	3

**Computer Science**

CS V11	Programming Fundamentals	3
CS V13	Object-Oriented Programming	3
CS V15	Data Structures and Algorithms	3
CS V17	Discrete Structures	3
CS V19	Computer Architecture and Organization	3
CS V30	Beginning C++	3
CS V40	Beginning Java	3
CS V42	Intermediate Java	3

**Counseling**

COUN V01	College Success (*)	3
COUN V02	Career Exploration and Life Planning (*)	3
COUN V03	College Orientation (*)	1
COUN V04	Strategies for Academic Success (*)	1

\* COUN V01, COUN V02, COUN V03, and COUN V04 combined: maximum credit, 3 semester units

+ COUN V10A and COUN V10B will be inactivated starting fall 2022

**Criminal Justice**

CJ V01	Introduction to Criminal Justice	3
CJ V02	Concepts of Criminal Law (+)	3
CJ V03	Community Relations and Diversity	3
CJ V14	Juvenile Law and Procedures in California (+)	3
CJ V19	Anatomy of Murder (+)	3
CJ V25	Introduction to Corrections (+)	3
CJ V27	Introduction to Probation and Parole (+)	3
CJ V28	Fundamentals of Criminology (+)	3
CJ V35	Introduction to Forensic Science (+)	3
CJ V35L	Introduction to Forensic Science Laboratory	1
CJ V36	Forensic Anthropology (+)	3

CJ V49	Ethics for the Criminal Justice System Professional (+)	3	EDU V10	Literacy in Diverse Classrooms	3
+ CJ V02, CJ V14, CJ V19, CJ V25, CJ V27, CJ V28, CJ V35, CJ V36, CJ V49, ANTH V35, and ANTH V36 combined: maximum credit, 1 course			<b>Educational Assistance Center</b>		
<b>Dance</b>			EAC V01	Strategies for Success in College and Life	3
DANC V01	Dance Appreciation	3	EAC V21	Weight Training and Conditioning: Adaptive (*)	1.5
DANC V02	Dance History	3	EAC V26	Individual and Team Sports: Adaptive (*)	1.5
DANC V03	Anatomy for Dancers	3	* EAC V21, EAC V26, and any or all of the ICA/KIN PE Activity courses combined: maximum credit, 4 units		
DANC V04	Dance Improvisation	2	<b>Engineering</b>		
DANC V10A	Modern I	2	ENGR V01	Introduction to Engineering	3
DANC V10B	Modern II	2	ENGR V02	Engineering Graphics and Design	3
DANC V10C	Modern III	2	ENGR V12	Engineering Statics	3
DANC V10D	Modern IV	2	ENGR V14	MATLAB: Programming and Problem Solving	3
DANC V13A	Tap I	2	ENGR V16	Electronic Circuit Analysis	3
DANC V13B	Tap II	2	ENGR V16L	Electronic Circuits Laboratory	1
DANC V13C	Tap III	2	ENGR V18	Engineering Materials	3
DANC V13D	Tap IV	2	ENGR V18L	Engineering Materials Laboratory	1
DANC V14	Movement for the Theatre	2	<b>English</b>		
DANC V15A	Ballet I	2	ENGL V01A	English Composition	4
DANC V15B	Ballet II	2	ENGL V01B	Critical Thinking and Composition Through Literature	4
DANC V15C	Ballet III	2	ENGL V01C	Critical Thinking and Writing	3
DANC V15D	Ballet IV	2	ENGL V10	Creative Writing	3
DANC V23	Ballroom Dance	2	ENGL V11A	Intermediate Creative Writing I	3
DANC V27	Street Dance	2	ENGL V11B	Intermediate Creative Writing II	3
DANC V29A	Jazz I	2	ENGL V14	Introduction to Creative Nonfiction	3
DANC V29B	Jazz II	2	ENGL V15	Introduction to Poetry	3
DANC V29C	Jazz III	2	ENGL V16	Introduction to Fiction	3
DANC V29D	Jazz IV	2	ENGL V18	Children's Literature and Film	3
DANC V30A	Dance Performance I	3	ENGL V21A	British Literature before 1800	3
DANC V30B	Dance Performance II	3	ENGL V21B	British Literature since 1800	3
DANC V30C	Dance Performance III	3	ENGL V22A	American Literature: Colonial Period to 1865	3
DANC V30D	Dance Performance IV	3	ENGL V22B	American Literature: 1865 to Present	3
DANC V50A	Composition I	2	ENGL V23	Introduction to Dramatic Literature	3
DANC V50B	Composition II	2	ENGL V26	Introduction to Shakespeare and Film	3
DANC V50C	Composition III	2	ENGL V29A	Aesthetics of Film I (*)	3
DANC V50D	Composition IV	2	ENGL V29B	Aesthetics of Film II (*)	3
<b>Drafting (see also Architecture)</b>			ENGL V30	World Literature: Antiquity to 1650	3
DRFT V05A	Introduction to Autocad	2	ENGL V31	World Literature: 1650 to Present	3
DRFT V05B	Advanced Operations of AutoCAD	2	ENGL V33	Introduction to African American Literature	3
DRFT V42	Design Drafting and 3D Solid Modeling	3	ENGL V34	Introduction to Chicana/o Literature	3
DRFT V51	Design Animation & Modeling	2	ENGL V35	Introduction to Multicultural American Literature	3
<b>Early Childhood Education (see Child Development and Education)</b>			ENGL V36	Women in Literature	3
<b>Economics</b>			* ENGL V29A and ENGL V29B combined: maximum credit, 1 course		
ECON V01A	Principles of Macroeconomics	3	<b>Environmental Science and Resource Management</b>		
ECON V01B	Principles of Microeconomics	3	ESRM V01	Introduction to Environmental Issues	3
<b>Education</b>			ESRM V02	Introduction to Environmental Science	3
EDU V03	Introduction to Elementary Teaching	3	ESRM V03	Introduction to Environmental Policy and Natural Resource Management	3
EDU V08	Children's Art within a Multicultural Perspective	3			
EDU V09	Dance and Music for Transitional Kindergarten through the Elementary Years	3			



ESRM V10	Environmental Ecology	3
ESRM V14	Conservation of Natural Resources	3
<b>Film Studies (see also Art and Photography)</b>		
FILM V01	Introduction to Media Aesthetics and Cinematic Arts	3
FILM V02	Film Production	3
FILM V03A	Non-Linear Editing I	3
FILM V04	Documentary Filmmaking	3
FILM V05	Narrative Filmmaking	3
FILM V07	Audio Production	3
FILM V10	Contemporary American Cinema	3
FILM V11	History of International Cinema: World War II to the Present	3
<b>French</b>		
FREN V01	Elementary French I (*)	5
FREN V02	Elementary French II	5
* Corresponds to two years of high school study		
<b>Geographic Information Systems</b>		
GIS V22	Fundamentals of Mapping and Geographic Information Systems	3
GIS V26	Introduction to Geographic Information Systems Software	2
<b>Geography</b>		
GEOG V01	Elements of Physical Geography	3
GEOG V01L	Elements of Physical Geography Laboratory	1
GEOG V02	Introduction to Human Geography	3
GEOG V05	Introduction to Weather and Climate	3
GEOG V06	Geography of California	3
GEOG V08	World Regional Geography	3
GEOG V22	Fundamentals of Mapping and Geographic Information Systems	3
GEOG V26	Introduction to Geographic Information Systems Software	2
<b>Geology</b>		
GEOL V02	Physical Geology	3
GEOL V02L	Physical Geology Laboratory	1
GEOL V03	Historical Geology	3
GEOL V03L	Historical Geology Laboratory	1
GEOL V07	Geology of National Parks	3
GEOL V09	Earth Science with Laboratory	4
GEOL V11	Introduction to Oceanography	3
GEOL V21	Natural Disasters	3
<b>German</b>		
GERM V01	Elementary German I (*)	5
GERM V02	Elementary German II	5
* Corresponds to two years of high school study		
<b>Health Education</b>		
HED V01	Health and Wellness (*)	3
HED V02	Health and Wellness: Designed for Women (*)	3
HED V03	Fundamentals of Nutrition and Fitness	3
HED V04	Health and Wellness: Designed for Men (*)	3

HED V20	Introduction to Public Health	3
HED V22	Health and Social Justice	3
HED V24	Drugs, Health, and Society	3
HED V70	Spiritual Health	3
HED V76	Managing Stress	3
HED V87	Nutrition	3
* HED V01, HED V02, and HED V04 combined: maximum credit, 1 course		
<b>History</b>		
HIST V13	African American Experience	3
HIST V16	United States History: Focus on Foreign Relations	3
HIST V30	History of the American West	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
HIST V86	World History Since 1550	3
HIST V87	Introduction to the History of Science and Technology	3
<b>Human Services (see Social Work/Human Services)</b>		
<b>Intercollegiate Athletics</b>		
ICA V02	Intercollegiate Baseball (*)	4

ICA V03	Intercollegiate Basketball: Men (*)	4	KIN V22	Running for Fitness (*)	1
ICA V04	Intercollegiate Basketball: Women (*)	4	KIN V23	Advanced Running/Interval Training (*)	1
ICA V05	Intercollegiate Cross-Country: Men (*)	4	KIN V24	Life Fitness (*)	1
ICA V06	Intercollegiate Cross-Country: Women (*)	4	KIN V26	Weight Training and Conditioning: Free Weights (*)	1
ICA V07	Intercollegiate Football (*)	4	KIN V28	Conditioning: Designed for Women (*)	1
ICA V08	Intercollegiate Golf (*)	4	KIN V33	Body Conditioning Boot Camp (*)	1
ICA V13	Intercollegiate Soccer: Women (*)	4	KIN V40A	Basketball I (*)	1
ICA V14	Intercollegiate Softball: Women (*)	4	KIN V40B	Basketball II (*)	1
ICA V15	Intercollegiate Swimming and Diving: Men (*)	4	KIN V44A	Tennis I (*)	1
ICA V16	Intercollegiate Swimming and Diving: Women (*)	4	KIN V44B	Tennis II (*)	1
ICA V17	Intercollegiate Tennis: Men (*)	4	KIN V46A	Volleyball I (*)	1
ICA V18	Intercollegiate Tennis: Women (*)	4	KIN V46B	Volleyball II (*)	1
ICA V19	Intercollegiate Track and Field: Men (*)	4	KIN V48A	Soccer I (*)	1
ICA V20	Intercollegiate Track and Field: Women (*)	4	KIN V48B	Soccer II (*)	1
ICA V22	Intercollegiate Volleyball: Women (*)	4	KIN V50A	Aikido I (*)	1
ICA V23	Intercollegiate Water Polo: Men (*)	4	KIN V50B	Aikido II (*)	1
ICA V24	Intercollegiate Water Polo: Women (*)	4	KIN V52	Self-Defense and Assault Prevention (*)	1
ICA V25	Intercollegiate Beach Volleyball: Women (*)	4	KIN V70A	Yoga I (*)	1
ICA V30A	Off-season Conditioning for Athletes I (*)	0.5	KIN V70B	Yoga II (*)	1
ICA V30B	Off-season Conditioning for Athletes II (*)	1	KIN V72	Stress Reduction Activities (*)	1
ICA V31A	Pre-season Conditioning for Athletes I (*)	0.5	KIN V74A	Core Balance and Fitness (*)	1
ICA V31B	Pre-season Conditioning for Athletes II (*)	1	KIN V74B	Advanced Core Balance and Fitness (*)	1
ICA V36	Spring Intercollegiate Basketball (+)	3.5	KIN V76A	Tai Chi I (*)	1
ICA V69	Spring Intercollegiate Football (*)	1	KIN V76B	Tai Chi II (*)	1
* EAC V21, EAC V26, and any or all of the ICA/KIN PE Activity courses combined: maximum credit, 4 units			KIN V81	Fundamentals of Kinesiology (+)	3
+ ICA V36, KIN V81, KIN V84, and any or all of the ICA/KIN PE Theory courses combined: maximum credit, 8 units			KIN V84	Introduction to Athletic Training (+)	3
<b>Italian</b>			* EAC V21, EAC V26, and any or all of the ICA/KIN PE Activity courses combined: maximum credit, 4 units		
ITAL V01	Elementary Italian I (*)	5	+ ICA V36, KIN V81, KIN V84, and any or all of the ICA/KIN PE Theory courses combined: maximum credit, 8 units		
ITAL V02	Elementary Italian II	5	<b>Library Instruction</b>		
* Corresponds to two years of high school study			LIB V01	Using the Library of the Twenty-First Century	1
<b>Japanese</b>			<b>Mathematics</b>		
JAPN V01	Elementary Japanese I (*)	5	MATH V04	College Algebra (*)	4
JAPN V02	Elementary Japanese II	5	MATH V20	Precalculus Mathematics (*)	5
* Corresponds to two years of high school study			MATH V21A	Calculus with Analytic Geometry I (+)	5
<b>Kinesiology</b>			MATH V21B	Calculus with Analytic Geometry II	5
KIN V02	Swimming I (*)	1	MATH V21C	Multivariable Calculus	5
KIN V03	Swimming II (*)	1	MATH V22	Introduction to Linear Algebra	3
KIN V04	Swimming III (*)	1	MATH V23	Introduction to Differential Equations	3
KIN V06	Swimming IV (*)	1	MATH V38	Mathematics for Elementary School Teachers	3
KIN V10	Aerobic and Strength Training (*)	1	MATH V40	Exploration of Mathematical Ideas	3
KIN V12	Bicycle Conditioning: Spinning (*)	1	MATH V44	Elementary Statistics (§)	4
KIN V13	Advanced Spinning/Interval Training (*)	1	MATH V46	Applied Calculus (+)	4
KIN V14	Step Aerobics (*)	1	MATH V52	Discrete Structures	3
KIN V16	Aerobic Kickboxing (*)	1	* MATH V04 and MATH V20 combined: maximum credit, 5 semester/7.5 quarter units		
KIN V18	Cardiovascular Fitness: Machine Training (*)	1	+ MATH V21A and MATH V46 combined: maximum credit, 1 course		
KIN V19	Indoor Cross Fitness Training (*)	1			
KIN V20	Walking to Restore Fitness (*)	1			
KIN V21	Fitness Walking/Jogging (*)	1			

§ MATH V44 and PSY V04 combined: maximum credit, 1 course

**Microbiology**

MICR V01 General Microbiology 4

**Music**

MUS V01 Fundamentals of Music (\*) 3

MUS V02A Music Theory I 3

MUS V02AL Musicianship I 1

MUS V02B Music Theory II 3

MUS V02BL Musicianship II 1

MUS V02C Music Theory III 3

MUS V02CL Musicianship III 1

MUS V02D Music Theory IV 3

MUS V02DL Musicianship IV 1

MUS V02H Music Theory VIII: Jazz Harmony and Practice 3

MUS V03 Introduction to World Music 3

MUS V06 History of Rock and Roll 3

MUS V07 History of Jazz 3

MUS V08 Music Appreciation 3

MUS V09A Western Music History and Literature I: Antiquity to 1750 3

MUS V09B Western Music History and Literature II: 1750–Present 3

MUS V10 Concert Choir 1

MUS V11 College Singers 1

MUS V12 Community Choir 1

MUS V13 Voice 1

MUS V14A Beginning Orchestra: Strings 1

MUS V14B Beginning Orchestra: Winds 1

MUS V14C Beginning Orchestra: Percussion 1

MUS V15 Community Orchestra 1

MUS V17 Jazz Band 1

MUS V21A Chamber Music: Woodwinds 1

MUS V21B Chamber Music: Brass 1

MUS V21C Chamber Music: Strings and Keyboards 1

MUS V22A Advanced Chamber Music: Woodwinds 1

MUS V22B Advanced Chamber Music: Brass 1

MUS V22C Advanced Chamber Music: Strings and Keyboards 1

MUS V24A Keyboards I 2

MUS V24B Keyboards II 2

MUS V24C Keyboards III 2

MUS V24D Keyboards IV 2

MUS V31A Private Lessons: Woodwinds 0.5

MUS V31B Private Lessons: Brass 0.5

MUS V31C Private Lessons: Strings 0.5

MUS V31D Private Lessons: Keyboards 0.5

MUS V31E Private Lessons: Classical Guitar 0.5

MUS V31F Private Lessons: Orchestral Percussion Instruments 0.5

MUS V31G Private Lessons: Music Composition 0.5

MUS V31H Private Lessons: Voice 0.5

MUS V34 Symphony Orchestra 1

MUS V36 Beginning Guitar 1

MUS V37 Intermediate Guitar 1

MUS V39 Introduction to Music Technology 3

MUS V45 Beginning Opera/Music Theatre Workshop 1

MUS V46 Intermediate Opera/Music Theatre Workshop 1

MUS V47 Advanced Opera/Music Theatre Workshop 1

\* No credit for MUS V01 if taken after MUS V02A

**Nursing Science**

NS V07 Pharmacology 3

**Philosophy**

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 V04 Introduction to Logic 3

PHIL V05 Critical Thinking and Analytical Writing 3

PHIL V06A History of Western Philosophy I: Ancient through Medieval 3

PHIL V06B History of Western Philosophy II: Modern through Contemporary 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

**Photography (see also Art and Film Studies)**

PHOT V01 Beginning Photography (\*) 3

PHOT V02 Digital Studio (\*) 3

PHOT V04A Intermediate Photography I 3

PHOT V04B Intermediate Photography II 3

PHOT V06A Introduction to Color Photography I 3

PHOT V06B Introduction to Color Photography II 3

PHOT V07 History of Photography 3

PHOT V73A Digital Imaging 3

\* PHOT V01 and PHOT V02 combined: maximum credit, 1 course

**Physical Science**

PHSC V01 Concepts in Physical Science (\*) 4

\* No credit if taken after a college-level course in Chemistry or Physics

**Physics**

PHYS V01 Elementary Physics (\*) 5

PHYS V02A General Physics I: Algebra/Trigonometry-Based (+) 4

PHYS V02AL General Physics I Laboratory: Algebra/Trigonometry-Based (+) 1

PHYS V02B General Physics II: Algebra/Trigonometry-Based (+) 4

PHYS V02BL General Physics II Laboratory: Algebra/Trigonometry-Based (+) 1

PHYS V03A General Physics I: Calculus-Based (+) 4

PHYS V03AL	General Physics I Laboratory: Calculus-Based (+)	1
PHYS V03B	General Physics II: Calculus-Based (+)	4
PHYS V03BL	General Physics II Laboratory: Calculus-Based (+)	1
PHYS V04	Mechanics for Scientists and Engineers (+)	4
PHYS V04L	Mechanics Laboratory for Scientists and Engineers (+)	1
PHYS V05	Electricity and Magnetism for Scientists and Engineers (+)	4
PHYS V05L	Electricity and Magnetism Laboratory for Scientists and Engineers (+)	1
PHYS V06	Optics, Heat, and Modern Physics: For Scientists and Engineers (+)	4
PHYS V06L	Optics, Heat, and Modern Physics Laboratory for Scientists and Engineers (+)	1

\* No credit for PHYS V01 if taken after PHYS V02A, PHYS V03A, or PHYS V04

+ PHYS V02A, PHYS V02AL, PHYS V02B, PHYS V02BL and PHYS V03A, PHYS V03AL, PHYS V03B, PHYS V03BL and PHYS V04, PHYS V04L, PHYS V05, PHYS V05L, PHYS V06, PHYS V06L combined: maximum credit, 1 sequence—deduct credit for duplication of topics

#### Physiology (see Anatomy, Anatomy/Physiology, and Physiology)

##### Political Science

POLS V01	American Government	3
POLS V02	Comparative Government	3
POLS V03	Introduction to Political Science	3
POLS V04	Introduction to Political Theory	3
POLS V05	Introduction to International Relations	3
POLS V09	United States-Mexico Relations	3
POLS V10	The United Nations and World Affairs	4
POLS V11	Government & Politics of Mexico	3
POLS V12	Introduction to Environmental Policy and Natural Resource Management	3
POLS V14	Global Studies	3
POLS V17	Introduction to American Law	3
POLS V18	Introduction to Global Issues	3

##### Psychology

PSY V01	Introduction to Psychology	3
PSY V02	Personal Growth and Social Awareness	3
PSY V03	Introduction to Biological Psychology	3
PSY V04	Introductory Statistics for the Social and Behavioral Sciences (*)	4
PSY V05	Introduction to Developmental Psychology	3
PSY V07	Introduction to Research Methods in Social and Behavioral Sciences	3
PSY V15	Introduction to Abnormal Psychology	3
PSY V25	Psychology of Human Sexuality	3
PSY V29	Introduction to Personality Psychology	3
PSY V30	Multicultural Psychology	3
PSY V31	Introduction to Social Psychology	3
PSY V32	Psychology of Women	3

\* PSY V04 and MATH V44 combined: maximum credit, 1 course

##### Sign Language

SL V10A	American Sign Language: Beginning (*)	3
SL V10B	American Sign Language: Intermediate	3

\* Corresponds to two years of high school study

##### Social Work/Human Services

SWHS V01	Introduction to Social Work and Human Services	3
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##### Sociology

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

##### Spanish

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

\* Corresponds to two years of high school study

+ SPAN V03 and SPAN V03S combined: maximum credit, 1 course

§ SPAN V04 and SPAN V04S combined: maximum credit, 1 course

##### Theatre Arts

THA V01	Introduction to Theatre	3
THA V02A	Acting I	3
THA V02B	Acting II	3
THA V02C	Acting III - Advanced Characterization	3
THA V02D	Acting IV - Advanced Acting	3
THA V03A	Voice and Articulation I	3
THA V03B	Voice and Articulation II	3
THA V05A	Stagecraft I	3
THA V05B	Stagecraft II	3
THA V06A	Make-Up I	3
THA V06B	Makeup II	3
THA V07A	Introduction to Stage Lighting	3
THA V08	Script Analysis	3
THA V11A	Technical Theatre in Production I	1
THA V11B	Technical Theatre in Production II	1
THA V11C	Technical Theatre in Production III	2
THA V11D	Technical Theatre in Production IV	2
THA V13A	Rehearsal and Performance I	1
THA V13B	Rehearsal and Performance II	1
THA V13C	Rehearsal and Performance III	2
THA V13D	Rehearsal and Performance IV	2
THA V14	Movement for the Theatre	2

THA V15A	Beginning Directing	3
THA V15B	Intermediate Directing	3
THA V17A	Musical Theatre History: Ancient Greece to the Golden Age of Musicals	3
THA V17B	Musical Theatre History: 1960s to Present Day	3
THA V20	Costume Design and History	3
THA V21	Theatre Production Lab I	1.5
THA V22A	Introduction to Costume Technology I	3
THA V22B	Introduction to Costume Technology II	3
THA V28	Introduction to Cinema	3
THA V29A	History of Motion Pictures I	3
THA V29B	History of Motion Pictures II	3
THA V31A	Acting for Film and Television I	3
THA V31B	Acting for Film and Television II	3
<b>Welding</b>		
WEL V27	Metal Art Sculpture	3

## Intersegmental General Education Transfer Curriculum (IGETC) 2022–2023

The **Intersegmental General Education Transfer Curriculum (IGETC)** is a comprehensive pattern of courses that prospective transfer students from California community colleges can complete to satisfy most freshman/sophomore-level general education before transferring to UC.

### Rules for IGETC

- A minimum grade of "C" is required in each college course. A "C" is defined as a minimum 2.0-grade point on a 4.0 scale.
- Each course must be at least 3 semester/4–5 quarter units (except Laboratory Science courses in Area 5C).
- To fulfill an IGETC area, a course must be approved in that area during the semester the course is taken. Always check the IGETC list on assist.org (<https://www.assist.org>) before registering for a course.
- Courses listed in more than one area shall not be certified in more than one area, except combined lecture/lab science courses or courses used to meet Area 6 (LOTE).
- Duplicate credit will not be awarded for both the honors and regular versions of a course. Credit will be awarded only for the first course completed with a grade of "C" or better.
- Students completing IGETC Certification may also apply for a Certificate of Achievement (COA), see a college counselor.

The IGETC requires completion of a minimum of 37 semester or 49 quarter units of courses in the following areas.

## 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	Applied 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 V20	Introduction to Chicano Studies	3
AES V66	Introduction to Modern and Contemporary Latin American Art	3	AES V40A	United States History: Focus on African Americans to Reconstruction	3
ART V01	Art Appreciation	3	AES V40B	United States History: Focus on African Americans Since Reconstruction	3
ART V02A	Introduction to the History of Western Art I	3	AES V41	African American Experience	3
ART V02B	Introduction to the History of Western Art II	3	AES V42A	African History to 1800	3
ART V02D	Art of the Ancient Mediterranean	3	AES V42B	African History since 1800	3
ART V03	Introduction to African and Pre-Columbian Art	3	AES V63	United States History: Focus on Asian Americans	3
ART V04	Introduction to Renaissance and Baroque Art	3	ANTH V04	Native Peoples of North America	3
ART V05	Introduction to American Art	3	CHST V01	Introduction to Chicano Studies	3
ART V06	Introduction to Modern Art	3	CHST V03	Chicana Contemporary Issues	3
ART V07	Introduction to Women in the Arts	3	ENGL V01B	Critical Thinking and Composition Through Literature	4
ART V08	Introduction to Asian Art	3	ENGL V15	Introduction to Poetry	3
ART V09A	Art of the Ancient Americas	3	ENGL V16	Introduction to Fiction	3
ART V09B	Introduction to Modern and Contemporary Latin American Art	3	ENGL V18	Children's Literature and Film	3
DANC V01	Dance Appreciation	3	ENGL V21A	British Literature before 1800	3
DANC V02	Dance History	3	ENGL V21B	British Literature since 1800	3
ENGL V29A	Aesthetics of Film I	3	ENGL V22A	American Literature: Colonial Period to 1865	3
ENGL V29B	Aesthetics of Film II	3	ENGL V22B	American Literature: 1865 to Present	3
FILM V01	Introduction to Media Aesthetics and Cinematic Arts	3	ENGL V23	Introduction to Dramatic Literature	3
FILM V11	History of International Cinema: World War II to the Present	3	ENGL V26	Introduction to Shakespeare and Film	3
MUS V03	Introduction to World Music	3	ENGL V30	World Literature: Antiquity to 1650	3
MUS V06	History of Rock and Roll	3	ENGL V31	World Literature: 1650 to Present	3
MUS V07	History of Jazz	3	ENGL V33	Introduction to African American Literature	3
MUS V08	Music Appreciation	3	ENGL V34	Introduction to Chicana/o Literature	3
MUS V09A	Western Music History and Literature I: Antiquity to 1750	3	ENGL V35	Introduction to Multicultural American Literature	3
MUS V09B	Western Music History and Literature II: 1750–Present	3	ENGL V36	Women in Literature	3
PHOT V07	History of Photography	3	FILM V10	Contemporary American Cinema	3
THA V01	Introduction to Theatre	3	FREN V02	Elementary French II	5
THA V17A	Musical Theatre History: Ancient Greece to the Golden Age of Musicals	3	GERM V02	Elementary German II	5
THA V17B	Musical Theatre History: 1960s to Present Day	3	HIST V13	African American Experience	3
THA V20	Costume Design and History	3	HIST V43	United States History: Focus on African Americans to Reconstruction	3
THA V28	Introduction to Cinema	3	HIST V45	United States History: Focus on Native Americans to Reconstruction	3
THA V29A	History of Motion Pictures I	3	HIST V50	United States History: Focus on Asian Americans	3
THA V29B	History of Motion Pictures II	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

### 3B: Humanities

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

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	History of Western Philosophy I: Ancient through Medieval	3
PHIL V06B	History of Western Philosophy II: Modern through Contemporary	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	American Sign Language: Intermediate	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
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	History of the American West	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

## Area 4: Social and Behavioral Sciences

Complete at least 3 courses from at least 2 disciplines or an interdisciplinary sequence for a total of 9 semester units or 12–15 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

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
HIST V86	World History Since 1550	3
PHIL V10	World Mythology	3
POLS V01	American Government	3
POLS V02	Comparative Government	3
POLS V03	Introduction to Political Science	3
POLS V04	Introduction to Political Theory	3
POLS V05	Introduction to International Relations	3
POLS V09	United States-Mexico Relations	3
POLS V10	The United Nations and World Affairs	4
POLS V11	Government & Politics of Mexico	3
POLS V12	Introduction to Environmental Policy and Natural Resource Management	3
POLS V14	Global Studies	3
POLS V17	Introduction to American Law	3
POLS V18	Introduction to Global Issues	3
PSY V01	Introduction to Psychology	3
PSY V02	Personal Growth and Social Awareness	3
PSY V05	Introduction to Developmental Psychology	3
PSY V07	Introduction to Research Methods in Social and Behavioral Sciences	3
PSY V15	Introduction to Abnormal Psychology	3
PSY V25	Psychology of Human Sexuality	3
PSY V29	Introduction to Personality Psychology	3
PSY V30	Multicultural Psychology	3
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
CHEM V12A	General Organic Chemistry I	3
CHEM V12B	General Organic Chemistry II	3
CHEM V20	Elementary Chemistry	4
CHEM V21	Introduction to Organic and Biochemistry	3
CHEM V30	Chemistry for Health Sciences	4
ESRM V02	Introduction to Environmental Science	3
GEOG V01	Elements of Physical Geography	3
GEOG V05	Introduction to Weather and Climate	3
GEOL V02	Physical Geology	3
GEOL V03	Historical Geology	3
GEOL V07	Geology of National Parks	3
GEOL V09	Earth Science with Laboratory	4
GEOL V11	Introduction to Oceanography	3
GEOL V21	Natural Disasters	3
PHSC V01	Concepts in Physical Science	4
PHYS V01	Elementary Physics	5
PHYS V02A	General Physics I: Algebra/Trigonometry-Based	4
PHYS V02B	General Physics II: Algebra/Trigonometry-Based	4
PHYS V03A	General Physics I: Calculus-Based	4
PHYS V03B	General Physics II: Calculus-Based	4
PHYS V04	Mechanics for Scientists and Engineers	4
PHYS V05	Electricity and Magnetism for Scientists and Engineers	4
PHYS V06	Optics, Heat, and Modern Physics: For Scientists and Engineers	4



**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	Introduction to Organismal Biology and Ecology	5
BIOL V04	Introduction to Cell and Molecular Biology	5
BIOL V10	Introduction to Environmental Issues	3
BIOL V12	Human Biology	3
BIOL V14	Field Biology	4
BIOL V18	Human Heredity	3
BIOL V23	Introduction to Plant Biology	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	Introduction to Organismal Biology and Ecology	5
BIOL V04	Introduction to Cell and Molecular Biology	5
BIOL V14	Field Biology	4
BIOL V23	Introduction to Plant Biology	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

GEOG V01L	Elements of Physical Geography Laboratory	1
GEOG V02L	Physical Geology Laboratory	1
GEOG V03L	Historical Geology Laboratory	1
GEOG 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	American Sign Language: Beginning	3
SL V10B	American Sign Language: Intermediate	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

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

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

Last updated June 2022

## What is IGETC?

The **Intersegmental General Education Transfer Curriculum (IGETC)** is a series of courses that prospective transfer students attending California community colleges (CCC) may complete to satisfy the lower-division breadth/general education requirements at both the University of California (UC) and the California State University (CSU). Many independent, private and out-of-state colleges and universities will also accept the IGETC.

If you have completed substantial coursework from institutions outside the United States, consult a counselor to determine whether you should complete IGETC or the lower-division breadth/general education requirements at the campus you plan to attend. In addition, some transfer students in some colleges or majors must follow a more prescribed lower-division curriculum than IGETC allows.

### Students Eligible to Use the IGETC

The IGETC was developed by the Academic Senates of the CCC, UC, and CSU for use by CCC transfer students. A student may be IGETC certified if they have completed coursework at a CCC(s) without regard to current enrollment status or the number of units accrued at a CCC.

Students who enroll at a UC or CSU campus, then leave and attend a community college, and subsequently return to a different UC or CSU campus may use the IGETC.

### Students NOT Eligible to Use the IGETC

Students who initially enroll at a UC campus, then leave and attend a community college, and subsequently return to the same campus are considered "readmits" by the UC. Such students cannot use the IGETC. CSU does not have a system-wide policy that addresses this issue. Questions regarding the use of IGETC for a student who has recently been enrolled at a CSU should be directed to the specific campus the student wishes to attend.

### Students Who Should Follow IGETC

IGETC is most helpful to students who want to keep their options open - specifically, those who know they want to transfer but haven't yet decided upon a particular institution, campus or major.

### Students Who Should NOT Follow IGETC

Students who intend to transfer into majors that require extensive lower-division preparation, such as engineering or the biological, physical and natural sciences should first concentrate on completing the many prerequisites for the major while meeting minimum admission requirements.

## What is IGETC for STEM?

The Intersegmental General Education Transfer Curriculum (IGETC) for Science, Technology, Engineering, Math (STEM) is comprised of courses taught at California Community Colleges (CCC) that satisfy specific areas of general education. This option will apply only for majors in which the Transfer Model Curriculum (TMC) explicitly indicates the availability of the option.

### Students Eligible to use the IGETC for STEM

- Students preparing for a major in science, technology, engineering, or mathematics (STEM) are eligible. IGETC for STEM allows students to

concentrate on the lower division math and science courses required for a STEM major; and

- If it is impossible for students to complete major preparation coursework and IGETC or CSU GE Breadth without going over 60 units prior to transfer.

IGETC for STEM is applicable only to majors in which the TMC explicitly indicates the availability of the option. As of May 2020, only Chemistry, Biology, and Environmental Science allow for IGETC for STEM. A current list of associate degrees for transfer (ADTs) that allow for use of IGETC for STEM can be found at [www.c-id.net](http://www.c-id.net).

Alternatively, STEM students may complete the traditional IGETC. However, IGETC and IGETC for STEM Majors may not be appropriate for those colleges or majors which prefer that transfer students follow a more prescribed lower-division curriculum.

## Is IGETC or IGETC for STEM an Admission Requirement?

Completion of the IGETC or IGETC for STEM is not an admission requirement or admission guarantee for transfer to CSU or UC, nor is it the only way to fulfill the lower-division, general education requirements for CSU or UC prior to transfer. However, it may be a requirement for some programs. Students may also choose to complete coursework to meet the campus general education requirements of the university to which they plan to transfer. Depending on a student's major, the student may find it advantageous to take courses fulfilling CSU's general education requirements or those of the UC campus or college to which the student plans to transfer.

### Courses Appropriate for IGETC

All courses used towards satisfaction of the IGETC must be at the baccalaureate level and meet the specifications stated in the IGETC Standards, Policies & Procedures ([https://icas-ca.org/wp-content/uploads/2021/06/FINAL\\_IGETC\\_STANDARDS-2.2\\_1June2021.pdf](https://icas-ca.org/wp-content/uploads/2021/06/FINAL_IGETC_STANDARDS-2.2_1June2021.pdf)) for the specified GE area.

### Minimum Unit Value

A course must have a minimum unit value of 3 semester or 4 quarter units to meet the requirements for IGETC. It is not acceptable to take three 1 unit courses to fulfill a 3 unit requirement because of the lack of depth or rigor.

Exception: 3-quarter unit Math and English courses that satisfy IGETC Area/s 1A or 2 may be applied if they are a part of a sequence, and at least two of the 3-quarter unit sequence courses have each been completed with "C" grade (2.0 on a 4.0 scale) or higher. The course sequence must meet the rigor of IGETC standards.

### Grade Requirement for IGETC

A minimum "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. A "C-" grade valued at less than 2.0 grade points on a 4.0 scale cannot be used for IGETC certification. Exception: For the UC Language Other Than English (LOTE) requirement, Area 6A, the University of California does not count "minus" or "plus" grades for high school coursework, only the whole grade is used. In other words, a "C-" grade is counted as a "C"

### Credit/No Credit-Pass/No Pass

Courses in which a student receives a "Credit/Pass" grade may be certified for IGETC if the community college's policy states that a "Credit/

Pass" designation is equivalent to a "C" grade (2.0 grade points on a 4.0 scale) or better. It is important to keep in mind that some CSU and UC campuses may have limitations on the number of "Credit/No Credit" ("Pass/No Pass") courses that may be used to meet degree requirements. The UC system allows a maximum of 14 semester (21 quarter) units graded "Pass/No Pass" (Credit/ No Credit) basis of the 60 UC transferable semester units required for admission.

There is no system-wide policy for CSU campuses. Therefore, each campus has established its own policy on limitations of courses transferred with grades of "Credit/Pass". The information is updated annually and is available on Community College Guidance - Incoming Transfer (<https://www.calstate.edu/apply/freshman/Pages/community-college-guidance-incoming-transfers.aspx>) website.

### California Community College Courses

Coursework completed at another California Community College (CCC) should be applied to the subject area in which it is listed by the institution where the work was completed. In addition, the course must have been IGETC approved in the area it was taken at the time it was taken. Approval dates can be verified by consulting the website [assist.org](https://assist.org) (<https://assist.org/>).

### All United States Regionally Accredited Institutions

Coursework from all other United States regionally accredited institutions should be deemed by the CCC faculty in the discipline or their designee to be comparable to coursework on that community college's approved IGETC course list before it is allowed to fulfill IGETC requirements. The course should then be used in the same subject areas as those for the community college completing the certification. Upper-division work may also be used in limited circumstances. See the latest version of the IGETC Standards ([https://icas-ca.org/wp-content/uploads/2021/06/FINAL\\_IGETC\\_STANDARDS-2.2\\_1June2021.pdf](https://icas-ca.org/wp-content/uploads/2021/06/FINAL_IGETC_STANDARDS-2.2_1June2021.pdf)) for criteria.

There is no limitation on the number of courses completed at other United States regionally accredited institutions that can be included in the IGETC certification.

### International Coursework

International coursework may be applied to IGETC if the international institution has United States regional accreditation. All other international coursework cannot be applied to IGETC, with the exception of Area 6, Language Other Than English (LOTE). These can be from non-United States institutions.

Students with a substantial amount of international coursework at a non-United States regionally accredited institution should be encouraged to follow the CSU or UC campus-specific general education pattern.

### Distance Education

Distance education is defined in the California Community College (CCC) Code of Regulations Title 5, Chapter 6, Subchapter 3, Section 55200. Distance education means instruction in which the instructor and student are separated by time and/or distance and interact through the assistance of technology (including correspondence courses).

- California Community College may use distance education for IGETC provided that the courses have been approved by the CSU and UC during the IGETC review process. Delivery modality does not determine CSU and UC approval
- Non-CCC Institutions distance education courses may be used towards IGETC. The same scrutiny should be applied when reviewing

these courses as when reviewing other non-CCC courses (see Section 5.2 for guidelines).

## CSU U.S. History, Constitution, and American Ideals Requirements

The CSU U.S. History, Constitution, and American Ideals graduation requirement is not part of IGETC. Courses used to satisfy this requirement may also be listed in IGETC Subject Areas 3B and/or 4. CSU campuses have the discretion whether to allow courses used to satisfy the CSU U.S. History, Constitution, and American Ideals graduation requirement to also count in Areas 3B/4.

## Using AP and IB exams for IGETC

IGETC course credit may be earned with an acceptable score on Advanced Placement (AP) and International Baccalaureate (IB) Higher Level exams as specified in the latest version of the IGETC Standards Policies and Procedures Manual (<https://icas-ca.org/igetc/standards-policies-and-procedures-manual/>).

### NOTES:

- An acceptable score on an AP English exam may be used to meet the English composition requirement, but not the critical thinking/ English composition requirement.
- There is no limit on the number of AP/IB exams that can be applied to the IGETC and may be used regardless of when the exam was taken. However, students who have earned credit from AP and/or IB should not take a comparable college course because transfer credit will not be granted for both.

## Advanced Placement (AP)

The UC grants unit credit for College Board Advanced Placement (AP) examinations on which a student scores 3, 4 or 5. Elective units awarded may be applied to UC graduation requirements for specific subjects and/or for general education/breadth requirements, as determined by each UC campus. To see how AP credits are used for IGETC certification, refer to the Credit for Prior Learning, Advanced Placement Credit (AP for IGETC) Section.

## International Baccalaureate (IB)

The UC awards unit credit for International Baccalaureate (IB) examinations. A score of 5, 6 or 7 on Higher Level Exam is required to grant credit for IGETC certification. An acceptable IB score for IGETC equates to either 3 semester or 4 quarter units for certification purposes. To see how IB credits are used for IGETC certification, refer to the Credit for Prior Learning, International Baccalaureate Credit (IB for IGETC) Section.

## College Level Examination Program (CLEP)

The UC does not award unit credit for College Level Examination Program (CLEP) and therefore cannot be used for IGETC certification. However, the CSU has a system-wide policy for CLEP exams and awarding transfer credit for admission based on these exams. The CSU policy for CLEP can be found at <https://calstate.policystat.com/policy/10711339/latest/>.

## Certification of IGETC

Moorpark College offers Full and Partial Certification of the IGETC. Students who have completed coursework at more than one CCC should have their coursework certified by the last CCC they attended for a regular term (fall or spring for semester schools; fall, winter, or spring for quarter schools) prior to transfer. If a student requests certification from

a CCC that is not the last school of attendance, it is at the discretion of that community college to certify. IGETC certification will be processed without regard to current enrollment status or the number of units accrued at a particular CCC.

NOTE: Students transferring to a CSU with a completed IGETC will still need to complete nine-semester units of upper-division general education and may be held to other campus-specific graduation requirements outside of general education and major coursework.

## Full Certification

Completion of the IGETC will permit a student to transfer from a California Community College to a California State University (CSU) or a University of California (UC) campus generally without the need, after transfer, to take additional lower-division, general education courses to satisfy campus general education requirements. It is strongly recommended that students complete IGETC prior to transfer.

Advantages of completing IGETC include more flexibility in class selection at the university and timely progress to degree completion. All UC and CSU campuses will accept the completed IGETC to satisfy all lower-division general education requirements. However, individual colleges or majors within a CSU or UC campus may not accept IGETC for meeting general education. A list of those UC colleges and majors is found on the following website: <https://admission.universityofcalifornia.edu/admission-requirements/transfer-requirements/general-education/igetc/campus-guidance.html>. It is the student's responsibility to request IGETC Certification in the Counseling Office.

## Partial Certification

Students who do not complete IGETC before transferring will be required to satisfy the specific lower-division general education/ breadth requirements of the UC school they plan to attend. However, California community colleges (CCC) may grant partial certification of IGETC to students who are missing no more than two courses. Students should verify that their UC school/college/major program will accept partial certification. Students submitting partial IGETC certification should work with the transfer institution to determine how the missing courses/ can be completed requirements. Students who have been granted partial IGETC certification should not return to the community college for full certification.

Consult with a counselor and/or the school website to see if a specific UC accepts partial certification for the intended major.

The following UC have indicated their acceptance and/or conditions of partial certification:

- Berkeley – does not accept partial IGETC certification.
- Davis – all colleges accept partial IGETC certification
- Irvine - all schools accept partial IGETC certification
- Los Angeles – all schools, except School of Engineering and Applied Science, School of Nursing, and School of Theater, Film and Television.
- Merced – all schools; however, the School of Social Sciences, Humanities and Arts requires completion of the additional GE courses after enrollment at UCM.
- Riverside – all colleges, except the College of Natural and Agricultural Sciences, accept partial IGETC certification
- San Diego – all colleges accept partial IGETC certification

- Santa Barbara - all colleges accept partial IGETC certification
- Santa Cruz - all schools accept partial IGETC certification

**NOTE:** Partial IGETC certification that acknowledges a deficiency in IGETC Areas 1 and/or 2 may indicate a student does not meet minimum transfer admission requirements.

## Certification of IGETC for STEM

A transfer student intending to major in science, engineering or mathematics (STEM) may complete up to three courses after transfer. UC will accept IGETC for STEM if the UC school, college or major program to which the student transfers accepts partial IGETC certification.

### Courses Must be Completed Before Transfer

For IGETC for STEM certification, the following IGETC Courses and Areas should be completed *before* transfer:

- All courses in Areas 1 (except 1C for UC-bound students), Area 2, and Area 5 of the traditional IGETC; and
- One course in Area 3A; one course in Area 3B; and two courses in Area 4 from two different disciplines.

### Courses Must be Completed After Transfer

For IGETC for STEM certification, the following courses should be completed *after* transfer:

- One remaining lower-division general education course in Area 3;\*
- One remaining lower-division general education course in Area 4;\* and
- One course in Area 6 for UC-bound students who have not satisfied it through proficiency.\*

\*These deferred lower-division courses must be replaced with calculus and/or science courses required by the major before transfer. More information can be found at IGETC for STEM (<https://admission.universityofcalifornia.edu/admission-requirements/transfer-requirements/glossary.html>) website.

### IGETC for STEM for CSU

If any specific Associate in Science for Transfer (AS-T) degree allows IGETC for STEM Majors as its general education pattern, the specific courses that should replace the deferred lower-division general education courses may be indicated on the Transfer Model Curriculum (TMC) for that discipline.

### IGETC for STEM for UC

UC will accept IGETC for STEM if the UC school/college/major program to which the student transfers accepts partial IGETC certification. For information on the IGETC acceptance practices for each UC school/college/major program, please go to <https://admission.universityofcalifornia.edu/admission-requirements/transferrequirements/glossary.html>.

## IGETC Rules by Campus

Each UC campus, program, and major has different rules and requirements for governing IGETC. Check with a counselor, the college website, the assist.org (<https://www.assist.org/>) website and/or Campus guidance | UC Admissions ([universityofcalifornia.edu](https://admission.universityofcalifornia.edu)) ([https://admission.universityofcalifornia.edu/admission-requirements/transfer-](https://admission.universityofcalifornia.edu/admission-requirements/transfer-requirements/preparing-to-transfer/general-education-igetc/igetc/campus-guidance.html)

[requirements/preparing-to-transfer/general-education-igetc/igetc/campus-guidance.html](https://admission.universityofcalifornia.edu/admission-requirements/preparing-to-transfer/general-education-igetc/igetc/campus-guidance.html)) to obtain the most up-to-date information.

UC will accept IGETC for STEM if the UC school/college/major program to which the student transfers accepts partial IGETC certification. For information on the IGETC acceptance practices for each UC school/college/major program check with a counselor, the college website, the assist.org (<https://www.assist.org/>) website and/or Glossary | UC Admissions ([universityofcalifornia.edu](https://admission.universityofcalifornia.edu)) (<https://admission.universityofcalifornia.edu/admission-requirements/transfer-requirements/glossary.html#igetcstem>).

If you have completed substantial coursework from institutions outside the United States, consult a counselor to determine whether you should complete IGETC or the lower-division breadth/general education requirements at the campus you plan to attend. In addition, some transfer students in some colleges or majors must follow a more prescribed lower-division curriculum than IGETC allows.

### UC Berkeley

- **College of Chemistry:** Completion of IGETC is not required. However, when completed by the end of the spring term before transferring to UC Berkeley, full certification is accepted in satisfaction of the English Reading and Composition requirement and the Foreign Language requirements. NOTE: IGETC does not satisfy the entire breadth requirement.
- **College of Engineering:** Does not accept IGETC as completion of breadth.
- **College of Environmental Design (CED):** IGETC is acceptable with full certification to fulfill CED's breadth requirements.
- **College of Letters and Science:** Either IGETC or the college's requirements (reading and composition, quantitative reasoning, and language other than English) are acceptable. Completion of IGETC will satisfy the college's entire breadth requirements.
- **College of Natural Resources:** IGETC does not fully satisfy lower-division requirements for this major. For some majors, IGETC does satisfy certain breadth requirements. The focus should be on fulfilling specific major's lower-division requirements.
- **Haas School of Business:** IGETC is not accepted.

### UC Davis

- All undergraduate colleges accept IGETC. However, Bachelor of Science degrees and selective majors, IGETC is not recommended; students should focus instead on completing major preparation and taking UC Davis general education pattern courses as time permits.

### UC Irvine

- All schools accept IGETC.

### UC Los Angeles

- **All Schools accept IGETC.** However, completion of IGETC is NOT required/encouraged for students applying to the School of Engineering; instead they should focus on lower-division major preparation prior to transfer. For the
- **School of Nursing and the School of Theater, Film and Television:** IGETC is required.

## UC Merced

- **School of Engineering:** IGETC is strongly discouraged but accepted; students are encouraged to focus on lower-division major preparation prior to transfer.
- **School of Natural Sciences:** IGETC is not recommended but is accepted; students are encouraged to focus on lower-division major preparation prior to transfer.
- **School of Social Sciences, Humanities, and Arts:** IGETC is recommended and students are encouraged to complete as much lower-division major preparation as possible prior to transfer.

## UC Riverside

- **College of Humanities, Arts and Social Sciences:** IGETC is recommended.
- **College of Natural and Agricultural Sciences; The Marlan and Rosemary Bourns College of Engineering:** IGETC is acceptable; some additional coursework may be required after enrollment.
- **School of Business Administration (SOBA):** IGETC is required.

## UC San Diego

- **John Muir, Earl Warren, Eleanor Roosevelt, Thurgood Marshall, and Sixth Colleges:** IGETC clears all lower-division GE requirements; some upper-division courses required after enrollment.
- **Revelle College:** IGETC does not clear all lower-division GE requirements; students with IGETC are required to complete 3 courses in mathematics and 5 courses in natural science before transfer or while enrolled at UCSD.

## UC Santa Barbara

- **The College of Letters and Science and the College of Creative Studies:** IGETC is acceptable.
- **College of Engineering:** Students are encouraged to focus on major preparation rather than general education, but may use IGETC to substitute for general education requirements.

Please note: Students planning to transfer to UCSB into a major in biological or physical sciences, economics, engineering, computer science, mathematics, statistics, or psychology must be careful to complete lower-division major preparation courses to ensure competitiveness and make normal, timely progress through the major.

## UC Santa Cruz

For majors in engineering and physical and biological sciences – IGETC is not recommended. Students should ensure completion of lower-division courses for their intended major, as indicated in the UCSC Catalog and on [assist.org](https://assist.org/). (<https://assist.org/>)