## Preparation for Transfer to Four-Year Institutions

(Title 5, Section 51022[b])
The most important actions a student can take to prepare for transfer are:

1. Read the Antelope Valley College Catalog carefully, paying special attention to the sections on transfer and certification of General Education requirements.
2. Discuss educational plans with a counselor.
3. Plan a course of study being careful to select courses that will be accepted by a transfer school toward a degree there.
4. Become familiar with one or more transfer school catalogs; catalogs are available in the Transfer Center.
5. Review application booklets for information about the application process and deadlines for prospective transfers.
It is important that a prospective transfer student plans a program that is similar to the freshman and sophomore years at a particular four-year school. This is why it is so important that the student reviews transfer school catalogs to see which courses are required of lower division students.

The Antelope Valley College Catalog identifies courses that are transferable and which count toward a bachelor's degree. The catalog also contains information about General Education (GE) requirements and how a student can meet some or all of the lower division general education at Antelope Valley College.

Even with these assurances, it is important that a student works closely with a counselor in planning a program of study so that the student completes as many transfer requirements as possible.

## Application Submission Deadline:

California State University (CSU)
Fall: October 1 - November 30
Spring: August 1-31
Note: Not all CSU's will be open for Spring term admission. Check with CSUMentor.edu for individual campus openings for the Spring term.
University of California (UC)
Fall: November 1-30 (Students can begin to fill out the online application beginning August 1)

## Spring:

Note: Not all UC's will be open for Winter/Spring term admission. Check with individual campus for Winter/Spring term openings and application deadlines.

## Transferability of AVC Courses

Many courses are designated as transferable to either the CSU or UC Systems. The designation for UC transferable courses is based on the most current UC transferable course list. Students are cautioned that many of these courses will only transfer as elective credit. Students desiring to continue at a four-year school should follow the requirements listed in the four-year school's catalog and work closely with a counselor to ensure that courses will meet major and general education requirements upon transfer.

## Intersegmental General Education Transfer Curriculum (IGETC)

The IGETC is a series of courses that community college students can use to satisfy lower division general education requirements at any CSU or UC campus for most majors. The IGETC will provide an option to the California State University

General Education Requirements.
Completion of the IGETC is not a requirement for transfer to a CSU or UC, nor is it the only way to fulfill the lower-division, GE requirements of the CSU or UC prior to transfer. Students may find it advantageous to take courses fulfilling CSU's general education requirements or those of a particular UC campus.

Completion of all of the requirements in the IGETC will permit a student to transfer from a community college to a campus in either the California State University or University of California system without the need, after transfer, to take additional lower-division general education courses to satisfy campus general education requirements.

Students can submit a request for IGETC certification with the AVC Transcript Office. Certifications are sent along with the student's official transcript to the CSU or UC campus. Students are encouraged to monitor the documentation timelines from the CSU or UC campus as to when the IGETC certification has to be received at the transfer institution.

The course requirements for all areas must be completed before the IGETC can be certified. All courses must be completed with grades of "C" or better. Additionally, the IGETC must be completed and certified before the student enrolls at a CSU or UC campus. Requirements for the IGETC cannot be completed once the student enrolls at a CSU or UC campus.

## IGETC for STEM Majors

Students preparing for a major in science, technology, engineering, or mathematics are eligible to complete IGETC for STEM Majors, a separate IGETC track designed specifically for these disciplines. For certification under IGETC for STEM Majors, students must complete the following:

- All courses in Areas 1, 2, and 5 of the traditional IGETC; and
- Two courses in Area 3 and two courses in Area 4, as well as one course for UC-bound students who have not satisfied 6A through proficiency
One remaining lower-division general education course in Area 3, one remaining lower-division general education course in Area 4, and, if necessary, one remaining course in Area 6A will be completed after transfer. This general education plan will allow STEM students to concentrate on the required lower division math and science courses needed for success in the major. These deferred lower division general education courses must be replaced in coursework before transfer with calculus and/or major science courses required by the major. Students are eligible to complete the IGETC for STEM Majors option only if it would be impossible for them to complete both major/major preparation coursework and either IGETC and/or the CSU GE Breadth plan within 60 units prior to transfer. The following programs are approved to use IGETC for STEM:


## Biology, AS-T

Chemistry, AS-T
The following information is based on the 2018-19 IGETC list. Consult with a counselor for the most current requirements, which are subject to change.

## AREA 1 - English Communication

CSU: Three courses required, minimum of one from Group A, B and C .
UC: Two courses required, minimum of one from Group A and B.

## Group A: English Composition

One course, 3 semester units/4-5 quarter units. ENGL 101
Group B: Critical Thinking-English Composition
One course, 3 semester units/4-5 quarter units. Course selected must have English Composition as a prerequisite.

ENGL 102, 103
PHIL 201
Group C: Oral Communication (CSU only)
One course, 3 semester units/4-5 quarter units. COMM 101, 103

## AREA 2 - Mathematical Concepts and Quantitative Reasoning

One course, 3 semester units/4-5 quarter units.
MATH $110,115,116,124,128,140,148,150,160,220,230,250$

## AREA 3 - Arts and Humanities

At least three courses, 9 semester units/12-15 quarter units. At least one course from the Arts and one from the Humanities.

A: Arts:
ART 100, 101, 102, 103, 104, 106
DA 101
ENGL 235
FTV 101, 107, 108, 201, 203
MUS 101, 105
MUSC 102, 103, 107, 108
THA $101,110,225$
B: Humanities:
CHIN 102, 201, 202
COMM 114, 217
ENGL 221, 222, 225, 227, 230, 231, 235, 242, 253, 256, 257, 259, 265, 279
FREN 102, 201, 202, 203
FTV 201, 203, 251
GER 102, 201, 202
HIST 101, 102, 104, 105, 107, 108, 110, 111, 113, 115, 119
LATN 102, 201
PHIL 105, 106, 108, 109
PHOT 107
SPAN 110SS, 201, 202, 203, 210SS, 220SS
THA 239

## AREA 4 - Social and Behavioral Sciences

At least three courses, 9 semester units/12-15 quarter units. Courses from at least two disciplines or an interdisciplinary sequence.

AJ 206
ANTH 102, 103, 112, 140
CFE 102
DFST 106
ECON 100, 101, 102, 110
GEOG 105, 106, 110
HIST 101, 102, 104, 105, 107, 108, 110, 111, 113, 114, 116, 118, 119
POLS 101, 103, 200, 202, 203
PSY 101, 200, 201, 212, 230, 232, 233, 234, 235, 236
SOC 101, 105, 110, 111, 112, 115, 116, 120

## AREA 5 - Physical and Biological Sciences

At least two courses required, 7-9 semester/quarter units. One Physical Science course and one Biological Science course; at least one must include a lab.

A: Physical Sciences:
ASTR 101, 101L\#
CHEM 101\#, 102\#, 110\#, 120\#, 210\#, 220\#
ERSC 101\#
GEOG 101, 101L\#, 102, 102L\#

GEOL 101, 101L\#, 102, 102L\#
PHYS 101\#, 102\#, 110\#, 120\#, 211\#
PSCI 101\#

## B: Biological Sciences:

ANTH 101, 101L\#
BIOL 101, 101L\# 102\#, 103\#, 104, 110\#, 120\#, 201\#, 202\#, 204\#, 205\#
\# Meets laboratory requirement.

## AREA 6 - Language Other Than English (UC Requirement ONLY)

Proficiency equivalent to two years of high school in the same language with a grade of "C," OR earn a score of 3 or higher on the AP Foreign Language test, OR 550 on the College Board Achievement Test in Foreign Language, OR complete one of the foreign language courses listed below.

CHIN 102, 201, 202
DFST 102, 201, 202
FREN 102, 201, 202, 203
GER 102, 201, 202
LATN 102, 201
SPAN 102, 110SS, 201, 202, 203, 210SS, 220SS

## CSU Graduation Requirement in U.S. History, Constitution <br> and American Ideals 6 units

(Not part of IGETC; may be completed prior to transfer.)
HIST 107 and POLS 101
HIST 108 and POLS 101
HIST 110 and POLS 101
HIST 111 and POLS 101

## The California State University System (CSU)

The CSU system is composed of 23 campuses which serve more than 315,000 students. CSU has more than 1,400 bachelor's and master's degree programs in over 200 different subject areas and a variety of teaching and school service credential programs. CSU campuses offer undergraduate and graduate programs providing liberal arts education as well as preparation for occupations such as business, engineering, the arts, and science and health professions.

A community college student may transfer a maximum of 70 semester units to a campus of the CSU. Courses that are transferable to the CSU are designated as (CSU) in the description of courses in this catalog. Please be cautioned that some of these courses will only transfer as elective credit.

## Eligibility for Admission to the CSU System

All CSU campuses have the same admission requirements for transfer students. Some exceptions occur at campuses or in programs where there are more applicants than can be admitted. In general, however, a student will qualify for most campuses and programs if the student has a 2.0 GPA or better in all transferable units and meets one of the following standards:

1. If a student was eligible for admission to the CSU from high school-i.e., had satisfied the subject requirements and achieved the required scores on the eligibility index-a student is eligible to transfer at any time, provided that a 2.0 GPA is maintained in transferable college courses.
NOTE: Consult the CSU Application Packet for information on required high school subjects and eligibility index.
2. If a student earned the required scores on the eligibility index, but had not satisfied the required college preparatory high school subjects, a student may take college courses in the subjects that were missing and be eligible to transfer upon their completion,
provided the student maintains a 2.0 GPA in transferable courses.
3. If a student was ineligible for admission from high school because the student lacked required subjects and did not achieve the required scores on the eligibility index, the student must do three things:
a. Complete 56-60 transferable semester units at AVC (depending on the campus selected);
b. Establish a minimum 2.0 GPA at AVC; and,
c. Complete a minimum of 39 semester units from the CSU General Ed. Requirements. Of these 39 units a student must include courses from A-1, A-2, A-3 and B-4 with a minimum evaluative grade of "C" before he/she matriculates to a CSU campus.

## General Education Requirements for the CSU System

A candidate for a bachelor's degree from the California State University system shall complete a minimum of 48 semester units in general education courses. A student may complete 39 of the 48 required units at Antelope Valley College. In addition to these 39 units of lower division general education courses, students must complete 9 units of upper division course work at a California State University campus. AVC will certify general education for students. No more than 30 units may be certified in categories B, C and D. No class may be used to satisfy requirements in more than one of the five general areas. Courses taken at other institutions can be certified by Antelope Valley College.

Students can submit a request for CSU certification with the AVC Transcript Office. Certifications are sent along with the student's official transcript to the CSU campus. Students are encouraged to monitor the documentation timelines from the CSU campus as to when the CSU certification has to be received at the transfer institution.

## CSU GE Breadth for STEM Majors

Students pursuing certain Associate Degrees for Transfer may be eligible to take GE Breadth for STEM, deferring two lower-division GE courses until after transfer. GE Breadth for STEM is applicable only to majors in which the Transfer Model Curriculum explicitly indicates the availability of the option. California Colleges preparing a "CSU GE Breadth for STEM" certification as part of an Associate Degree for Transfer should ensure that the student has completed:
a. All courses in Areas A, B, and E of the traditional GE Breadth curriculum; and
b. One course in Area C1 Arts and one course in Area C2 Humanities; and
c. Two courses in Area D from two different disciplines.

The following programs are approved to use CSU GE Breadth for STEM:

Biology, AS-T
The following information is based on the 2018-19 CSU GE list. Consult with a counselor for the most current requirements, which are subject to change.

## A. English Language Communication and Critical Thinking (9 units)

Select at least 3 units from each of the following sub-categories.
A-1 **Oral Communication

COMM 101, 103
A-2 **Written Communication
ENGL 101
A-3 **Critical Thinking
COMM 115
ENGL 102, 103
PHIL 101, 106, 110, 201
** Courses in this area must be completed with a grade of "C" or better to be certified.

## B. Scientific Inquiry and Quantitative Reasoning

(9-12 units)
Select at least one course from physical sciences, one course from life sciences, and one course from mathematics/quantitative reasoning. One science course shall include a laboratory component/ activity.
B-1 Physical Science
ASTR 101
CHEM 101*, $102^{*}, 110^{*}, 120^{*}, 210^{*}, 220^{*}$
ERSC 101*
GEOG 101, 102
GEOL 101, 102
PHYS 101*, 102*, 110*, 120*, 211*
PSCI 101*
B-2 Life Science
ANTH 101
BIOL 101, 102*, 103*, 104, 110*, 120*, 201*, 202*, 204*, 205*
B-3 Laboratory Activity
ANTH 101L
ASTR 101L
BIOL 101L
GEOG 101L, 102L
GEOL 101L, 102L
B-4 **Mathematics/Quantitative Reasoning
CIS 121
MATH $110,115,116,124,128,135,140,148,150,160,220,230,250$

* Class includes a laboratory component. Credit will also be granted for Area B-3.
** Courses in this area must be completed with a grade of "C" or better to be certified.
C. Arts and Humanities (9 units)

Select one course from the arts and one course from the humanities.
Select the remaining units from C-1 or C-2. No more than 4 units
of performance or art activity classes shall be chosen. Performance/ activities are indicated in bold \& italics.
C-1 Arts (Art, Dance, Music, Theatre)
ART 100, 101, 102, 103, 104, 106, 113, 132, 135, 137, 140, 145, 163,
170, 213
COMM 112, 114
DA 101
FTV 101, 107, 108, 201, 203, 251
HIST 115
MUS 101, 105, 111, 131, 132, 151, 153, 185, 231, 232, 251A, 251B, 253A, 253B
MUSC 102, 103, 107, 108
PHOT 107
PHTC 101, 150, 201
THA 101, 102, 110, 130, 225
C-2 Humanities (Literature, Philosophy, Foreign Languages)
CHIN 101, 102, 201, 202
COMM 112, 217, 219
DFST 101, 102, 201, 202
ENGL 102, 111, 112, 221, 222, 225, 227, 230, 231, 235, 242, 253, 256,

257, 259, 265, 279
FREN 101, 102, 201, 202, 203
FTV 201, 203, 251
GER 101, 102, 201, 202
HIST 101, 102, 104, 105, 107, 108, 110, 111, 113, 115, 118, 119
LATN 101, 102, 201
MUSC 108
NF 150
PHIL 105, 106, 108, 109
PHOT 107
SPAN 101, 102, 110SS, 201, 202, 203, 210SS, 220SS
THA 239
D. Social Sciences (9 units)

Select from at least two different disciplines.
AJ 206
ANTH 102, 103, 112, 140
CFE 102
DA 108, 111
ECON 100, 101, 102, 110
GEOG 105, 106, 110
HIST 101, 102, 104, 105, 107, 108, 110, 111, 113, 114, 116, 118, 119
POLS 101, 103, 200, 201, 202, 203
PSY 101, 200, 201, 212, 230, 232, 233, 234, 235, 236
SOC 101, 105, 110, 111, 112, 115, 116, 120
E. Lifelong Learning and Self-Development (3 units)

Select 3 units, or DD 214 for 4 units
DA 108, 111
CFE 102
COMM 107
HD 101, 102, 105
HE 101, 120
NF 100, 103, 150
PSY 212, 236
SOC 111, 116, 120

## Requirements for American Institutions (6 units)

Select one pair. Courses used to satisfy the American Institutions requirement may also apply to Category D above.

HIST 107 and POLS 101
HIST 108 and POLS 101
HIST 110 and POLS 101
HIST 111 and POLS 101

## Major Requirements at CSU Campuses

Refer to CSU catalogs and consult a counselor. CSU catalogs are available in the Transfer Center, Room SSV 101, Student Services Building.

## The University of California System (UC)

The University of California system is made up of ten campuses located throughout California-in Berkeley, Davis, Irvine, Los Angeles, Merced, Riverside, San Diego, San Francisco, Santa Barbara and Santa Cruz. All of these campuses have certain features in common-uniform admission requirements, highly qualified faculty and excellent libraries. All maintain the same high academic standards. Nine of the campuses offer comprehensive undergraduate programs with a variety of individual specialties. The San Francisco campus is unique because all of its programs are in the health sciences. Each campus has its own character and distinctive features
which contribute to the diversity of the University as a whole.
A community college student may transfer a maximum of 70 semester units to a campus of the UC. Courses that are transferable to the UC are designated as (UC) in the description of courses in this catalog. The designation for UC transferable courses is based on the most current UC transferable course list. Please be cautioned that some of these courses will only transfer as elective credit.

## Eligibility for Admission to the UC System

All UC campuses have the same admission requirements for transfer students. Some exceptions occur at campuses or in programs where there are more applicants than can be admitted. The way a transfer student can meet the UC's admission requirements is:

If a student was ineligible for admission from high school due to
lack of required subjects and did not achieve the required scores
on the eligibility index, the student must do three things:

1. complete 60 transferable semester units at AVC;
2. establish a minimum $2.4 \mathrm{GPA}^{*}$ at AVC ; and,
3. complete college courses to make up any high school subject deficiencies (refer to the UC application packet for options to clear subject deficiencies).

* Earning a 2.4 GPA does not guarantee admission to all programs at the University of California. Certain programs and/or campuses may be impacted and therefore require additional criteria for acceptance.


## Major Requirements at UC Campuses

Refer to the UC catalogs and consult a counselor. UC catalogs are available in the Transfer Center, Room SSV 101, Student Services Building.

## Independent Colleges and Universities

Admission and graduation requirements for independent schools vary according to the institution. To determine specific requirements, check the catalog of the school of your choice. Antelope Valley College's Transfer Center has a catalog file of many independent institutions.

## Course Identification Numbering System

The Course Identification Numbering System (C-ID) is a statewide numbering system independent from the course numbers assigned by local California community colleges. A C-ID number next to a course signals that participating California colleges and universities have determined that courses offered by other California community colleges are comparable in content and scope to courses offered on their own campuses, regardless of their unique titles or local course number. Thus, if a schedule of classes or catalog lists a course bearing a C-ID number, for example COMM 110, students at that college can be assured that it will be accepted in lieu of a course bearing the C-ID COMM 110 designation at another community college. In other words, the C-ID designation can be used to identify comparable courses at different community colleges. However, students should always go to www.assist.org to

| C-ID Course | AVC Course |  |
| :--- | :--- | :--- |
| ACCT 110 | ACCT 201 | Financial Accounting for Decision Making |
| ACCT 120 | ACC 205 | Managerial Accounting |
| AG-EH 108L | AGRI 134 | Plant Identification I |
| AG-EH 112L | AGRI 234 | Plant Identification II |
| AJ 110 | AJ 101 | Introduction to Administration of Justice |
| AJ 120 | AJ 102 | Criminal Law |
| AJ 124 | AJ 103 | Criminal Evidence |
| AJ 140 | AJ 205 | Criminal Investigation |
| AJ 150 | AJ 208 | Introduction to Forensic Science |
| AJ 160 | AJ 201 | Police-Community Relations |
| AJ 200 | AJ 104 | Introduction to Corrections |
| AJ 220 | AJ 204 | Juvenile Procedures |
| ANTH 110 | ANTH 101 | Introduction to Biological Anthropology |
| ANTH 115L | ANTH 101L | Biological Anthropology Laboratory |
| ANTH 150 | ANTH 140 | Introduction to Archaeology |
| ARTH 100 | ART 100 | Art Appreciation |
| ARTH 150 | ART 104 | History of Modern and Contemporary Art in |
|  |  | the 20th Century |
| ARTS 100 | ART 145 | 2-D Design Basics |
| ARTS 101 | ART 150 | 3-D Design Basics |
| ARTS 110 | ART 110 | Drawing |
| ARTS 200 | ART 216 | Life Drawing |
| ARTS 205 | ART 210 | Advanced Drawing |
| ARTS 210 | ART 113 | Painting |
| BIOL 110B | BIOL 201 | General Human Anatomy |
| BIOL 120B | BIOL 202 | General Human PPysiology |
| BIOL 140 | BIOL 120 | General Organismal, Ecological and |
| BIOL 190 | BIOL 110 | Evolutionary Biology |
| General Molecular Cell Biology |  |  |
| BUS 110 | BUS 101 | Introduction to Business |
| BUS 115 | BUS 113 | Business Communications |
| BUS 125 | BUS 201 | Business Law |
| BUS 140 | CIS 101 | Introduction to Computer Information Science |
| BUS 140 | CA 221 | Computer Concepts and Applications in |
|  |  | Business |
| CDEV 100 | CFE 102 | The Developing Child |
| CDEV 110 | CFE 103 | The Child in Family/Community Relationships |
| CHEM 101 | CHEM 101 | Introductory Chemistry |
| CHEM 110 | CHEM 110 | General Chemistry |
| CHEM 120S | CHEM 110 |  |
|  | CHEM 120 | General Chemistry |
| CHEM 150 | CHEM 210 | Organic Chemistry with Laboratory |
| CHEM 160S | CHEM 210 | Organic Chemistry with Laboratory |
|  | CHEM 220 | Organic Chemistry with Laboratory |
| COMM 110 | COMM 101 | Introduction to Public Speaking |
| COMM 120 | COMM 115 | Introduction to Argumentation and Debate |
| COMM 130 | COMM 107 | Introduction to Interpersonal Communication |
| COMM 140 | COMM 109 | Small Group Communication |
| A |  |  |

confirm how each college's course will be accepted at a particular four-year college or university for transfer credit.

The C-ID numbering system is useful for students attending more than one community college and is applied to many of the transferable courses students need as preparation for transfer. Because these course requirements may change and because courses may be modified and qualified for or deleted from the C-ID database, students should always check with a counselor to determine how C-ID designated courses fit into their educational plans for transfer.

Students may consult the ASSIST database at www.assist.org for specific information on C-ID course designations. Counselors can always help students interpret or explain this information.

## C-ID Course AVC Course

COMM 150 COMM 219 Introduction to Intercultural Communication
COMM 160B COMM 116 Forensics
COMM 170 COMM 112 Oral Interpretation
COMP 112 CIS 111 Programming and Algorithms
COMP 132 CIS 113 Data Structures
COMP 142 CIS 123 Assembly Language and Computer
Architecture
COMP 152 CIS 121 Computer Mathematics
ECE 120 CFE 101 Introduction to Early Childhood Education
ECE 130 CFE 105 Discovery-Based Education for Children
ECE 200 CFE 201 Child Development Practicum-Observation
CFE 202 Child Development Practicum-Emergent

ECE 230 CFE $116 \quad \begin{aligned} & \text { Child } \\ & \text { Diversity in Early Childhood Education }\end{aligned}$
ECON 201 ECON 102 Principles of Microeconomics
ECON 202 ECON 101 Principles of Macroeconomics
ENGL 100 ENGL 101 Academic Composition
ENGL 105 ENGL 103 Critical Thinking and Research
ENGL 120 ENGL 102 Critical Thinking and Literature
ENGL 130 ENGL 221 American Literature: 1400-1865
ENGL 135 ENGL 222 American Literature: 1865-Present
ENGL 140 ENGL 230 World Literature 1
ENGL 145 ENGL 231 World Literature 2
ENGL 160 ENGL 225 English Literature (800-1750)
ENGL 165 ENGL 227 English Literature, 1750-Present
ENGR 110 ENGR 110 Engineering Orientation and Basic Skills
ENGR 130 ENGR 210 Statics
ENGR 140 ENGR 130 Material Science
ENGR 150 ENGR 140 Engineering 3D Graphics
ENGR 220 ENGR 125 Programming and Problem-Solving in MATLAB
GEOG 110 GEOG 101 Physical Geography: Earth's Surface Landscape
GEOG 111 GEOG 101L Physical Geography Lab: Earth's Surface Landscape
GEOG 120 GEOG 105 Cultural Geography
GEOG 125 GEOG 110 World Regional Geography
GEOG 130 GEOG 102 Physical Geography: Earth's Weather and
GEOG 140 GEOG 106 California Geography
GEOG 150 GEOG 201 Map Interpretation \& GPS
GEOG 155 GEOG 205 Introduction to Geographic Information
GEOG 160 GEOG 299 Special Topics - Field Geography
GEOL 100 GEOL 101 Physical Geology
GEOL 100L GEOL 101L Physical Geology Laboratory

## Course Identification Numbering System Cont.



