

## Liberal Arts and Sciences

The Liberal Arts and Sciences major is designed for students planning to transfer to either the California State University or University of California. To earn the Associate in Arts degree with a Liberal Arts and Sciences major, students must complete either the Intersegmental General Education Transfer Curriculum (IGETC) UC or CSU option or the CSU General Education Certification pattern and one of the four areas of emphasis. The areas of emphasis are: Health Science, Humanities, Mathematics and Science or Social and Behavioral Science. The area of emphasis requires a minimum of 18 units with a grade of "C" or better in all courses in the area of emphasis. The courses identified for each area of emphasis fulfill major preparation requirements as demonstrated through ASSIST.org articulation. A minimum of six units must be within a single discipline and in the case of the Mathematics and Science area of emphasis at least one mathematics course must be completed. Select courses based on ASSIST.org data for major preparation articulation with selected transfer institutions. Consult a counselor for specific information regarding the intended major at the college the student is choosing.

Courses used to complete a student's area of emphasis can double count for general education just as they may for any other major.

Although the associate degree recognizes the completion of lower division general education requirements, it does not guarantee admission to a specific campus in the CSU or UC system, nor does it guarantee admission to a specific major. Some majors and schools require a higher GPA than is necessary for the associate degree. Students should meet with a counselor to determine the lower division major preparation needed for their intended transfer school.

To meet requirements for the CSU General Education Breadth associate degree program, students must:

- Complete CSU General Education Breadth for Certification, including the American Institutions and Diversity requirements. Consult with the Counseling Office for the appropriate list of applicable courses.
- Complete CSU Breadth courses in compliance with Executive Order 1100.
- Earn a "C" or "CR" grade or higher in all 18 units of the area of emphasis courses.
- Complete a minimum of 60 degree applicable CSU transferable semester units.
- Earn a cumulative G.P.A. of 2.0 in all college coursework completed.
- Meet College of the Canyons residency requirements for graduation.
- Note: No Physical Education and/or Wellness courses are required.

To meet requirements for the IGETC - CSU associate degree program, students must:

- Complete IGETC - CSU Certification pattern. Consult with the Counseling Office for the appropriate list of applicable courses.
- Meet the American Institutions and Diversity requirements.
- Earn a "C" or "CR" grade or higher in all IGETC courses.
- Complete a minimum of 60 degree applicable CSU transferable semester units.
- Earn a cumulative G.P.A. of 2.0 in all college coursework completed.
- Meet College of the Canyons residency requirements for graduation.
- Note: No Physical Education and/or Wellness courses are required.

To meet requirements for the IGETC - UC associate degree program, students must:

- Complete IGETC - UC Certification pattern.
- Meet the American Institutions and Diversity requirements.
- Earn a "C" or "CR" grade or higher in all IGETC courses.
- Complete a minimum of 60 degree applicable UC transferable semester units.
- Earn a cumulative G.P.A. of 2.0 in all college coursework completed.
- Meet College of the Canyons residency requirements for graduation.
- Note: No Physical Education and/or Wellness courses are required.

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### Associate in Arts Degree: Liberal Arts and Sciences

Program Requirements:

**Mathematics and Science Emphasis**-Minimum 18 units. Select six units from a single discipline and at least one mathematics course.

Degree Student Learning Outcome:

Students will be able to analyze concepts from the liberal arts and sciences.

		Units:
BIOSCI-100	General Biology	4.0
OR		
BIOSCI-100H	General Biology- Honors	4.0
BIOSCI-106	Organismal & Environmental Biology	4.0
OR		
BIOSCI-106H	Organismal & Environmental Biology - Honors	4.0
BIOSCI-107	Molecular and Cellular Biology	4.0
OR		
BIOSCI-107H	Molecular and Cellular Biology Honors	4.0
BIOSCI-115	General Zoology	4.0
BIOSCI-116	General Botany	4.0
BIOSCI-201	Introduction to Human Anatomy	4.0
BIOSCI-202	Introduction to Human Physiology	4.0
BIOSCI-221	Introduction to Microbiology	5.0
CHEM-151	Preparatory General Chemistry	4.0
OR		
CHEM-151H	Preparatory General Chemistry - Honors	4.0
CHEM-201	General Chemistry I	5.0
OR		
CHEM-201H	General Chemistry I – Honors	5.0
CHEM-202	General Chemistry II	5.0
CHEM-255	Organic Chemistry I	5.0
CHEM-256	Organic Chemistry II	5.0
GEOGRPH-100	Physical Geography	3.0
GEOGRPH-101	Physical Geography with Lab	4.0
GEOGRPH-103	Weather and Climate	3.0
GEOLOGY-100	Physical Geology	3.0
GEOLOGY-101	Physical Geology with Lab	4.0
GEOLOGY-110	Earth Science with Lab	4.0
MATH-211	Calculus I	5.0
MATH-212	Calculus II	5.0
MATH-213	Calculus III	5.0
MATH-214	Linear Algebra	4.0
MATH-215	Differential Equations	4.0
PHYSIC-110	General Physics I	4.0

PHYSIC-111	General Physics II	4.0
PHYSIC-220	Physics for Scientists and Engineers: Mechanics of Solids and Fluids	4.0
PHYSIC-221	Physics for Scientists and Engineers: Electricity and Magnetism	4.0
PHYSIC-222	Physics for Scientists and Engineers: Wave Motion, Heat, Optics, and Modern Physics	4.0