

LIBERAL ARTS (LA)

About the program

The Associate in Liberal Arts is designed for students who want a broad knowledge of the liberal arts and sciences. This degree requires the successful completion of the general education pattern and an area of emphasis that meets the student's educational goals. The general education pattern provides a broad knowledge of the liberal arts and sciences and the emphasis area requires a student to focus on a specific academic area.

Degrees/Certificates within this Program:

- Associate of Arts Degree, Liberal Arts: Agriculture
- Associate of Arts Degree, Liberal Arts: Behavioral & Social Science
- Associate of Arts Degree, Liberal Arts: Business
- Associate of Arts Degree, Liberal Arts: Fine Arts
- Associate of Arts Degree, Liberal Arts: Humanities, Language & Communication
- Associate of Arts Degree, Liberal Arts: Mathematics
- Associate of Arts Degree, Liberal Arts: Science
- Associate of Arts Degree, Liberal Arts: Science Exploration

Similar Degrees/Certificates offered at CR:

- Associate in Arts in History for Transfer
- Associate in Arts in Psychology for Transfer
- Associate in Arts in Studio Arts for Transfer
- Associate in Science in Early Childhood Education for Transfer
- Associate in Science in Mathematics for Transfer
- Associate in Arts in Political Science for Transfer
- Associate in Science in Physics for Transfer

For more information

- Counseling & Advising, 707-476-4150

Associate of Arts Degree, Liberal Arts: Science Exploration	
	Units
General Education Requirements	
<i>Choose one of three options. See an advisor for more information</i>	
Option A CR General Ed. Requirements	18.0
Option B CSU General Ed. Requirements	39.0
Option C IGETC (UC General Ed.) Requirements	37.0
Program Requirements	
<i>Complete 18.0 units from the following list, with at least 3.0 units from courses labeled as PS (Physical Science) and 3.0 units from courses labeled as LS (Life Science)</i>	18.0
AG 17 Introduction to Soils [A, B] (PS)	3.0
AG 23 Intro to Plant Science [A, B] (LS)	3.0
ASTRO 10 Intro to Astronomy [A, B, C] (PS)	3.0
ASTRO 11 The Solar System and Space Exploration [A, B, C] (PS)	3.0
ASTRO 30 Teaching Science with Science Fiction	2.0
BIOL 1 General Biology [A, B, C] (LS)	4.0
BIOL 2 Microbiology (LS)	4.0
BIOL 3 Fundamental Cell Biology [A, B, C] (LS)	4.0
BIOL 4 General Zoology (LS)	4.0
BIOL 5 General Botany [A, B, C] (LS)	4.0
BIOL 6 Human Anatomy (LS)	4.0
BIOL 7 Human Physiology (LS)	4.0
BIOL 8 Human Biology [A, B, C] (LS)	3.0
BIOL 15 Marine Biology [A, B, C] (LS)	4.0
BIOL 18 Natural History of North Coast Mammals (LS)	3.0
BIOL 20 Natural History [A, B, C] (LS)	3.0
BIOL 27 Biology of Marine Mammals (LS)	3.0
BIOL 40 Ind. Study - Cadaver Prosection (LS)	1.0
BIOL 41 Ind. Study - Peer Tutoring in the Life Sciences (LS)	1.0
BIOL 42 Peer Tutoring in the Life Sciences - Anatomy (LS)	1.0
BIOL 43 Peer Tutoring in the Life Sciences - Zoology (LS)	1.0
BIOL 44 Peer Tutoring in the Life Sciences - Botany (LS)	1.0
BIOL 45 Peer Tutoring in the Life Sciences - Physiology (LS)	1.0
CHEM 1A General Chemistry [A, B, C] (PS)	5.0
CHEM 1B General Chemistry (PS)	5.0
CHEM 2 Intro to Chemistry [A, B, C] (PS)	5.0
CHEM 3 Intro to Organic Chemistry (PS)	4.0
CHEM 8 Brief Organic Chemistry (PS)	5.0
CIS 12 Programming Fundamentals	4.0
CIS 18 Object Oriented Programming - Java	4.0
ENVSC 10 Intro to Environmental Science [A, B, C] (LS)	3.0
ENVSC 12 Earth's Changing Climate [A, B, C] (PS)	3.0
FNR 1 Intro to Forestry and Natural Resources [A]	3.0
FNR 5 Applied Forest Ecology (LS)	3.0
FNR 51 Dendrology: The Identification and Study of Woody Plants (LS)	3.0
FNR 60 Forest Health and Protection (LS)	3.0

**FNR 65 Intro to GIS	3.0
FNR 77 Intro to Wildland Fire	3.0
FNR 87 Wildlife Biology and Conservation Management (LS)	3.0
GEOG 1 Intro to Physical Geography [A, B, C] (PS)	3.0
GEOL 1 Physical Geology with Lab [A, B, C] (PS)	4.0
GEOL 2 Historical Geology [A, B, C] (PS)	4.0
GEOL 10 Environmental Geology [A, B, C] (PS)	3.0
GEOL 15 Earthquakes and Plate Tectonics [A, B, C] (PS)	3.0
MATH 5 Contemporary Mathematics [A, B]	3.0
MATH 15 Introduction to Statistics [A, B, C]	4.0
MATH 25 College Trigonometry [A, B]	4.0
MATH 30 College Algebra [A, B, C]	4.0
MATH 50A Differential Calculus [A, B, C]	4.0
OCEAN 10 Intro to Oceanography [A, B, C] (PS)	3.0
OCEAN 11 Lab in Oceanography [A, B, C] (PS)	1.0
OCEAN 12 Environmental Oceanography [A, B, C] (PS)	3.0
PHYS 2A General Physics I [A, B, C] (PS)	4.0
PHYS 2B General Physics II (PS)	4.0
PHYS 4A Calculus-Based Physics: Mechanics [A, B, C] (PS)	4.0
PHYS 10 Intro to Physics [A, B, C] (PS)	3.0
Unrestricted Electives - as needed to complete 60 units total	
Total Units	60.0
<i>**Course inactivated. Please see department for appropriate course substitution</i>	
<i>[A] - Course may be double-counted toward CR GE requirements</i>	
<i>[B] - Course may be double-counted toward CSU-GE requirements</i>	
<i>[C] - Course may be double counted toward IGETC (UC GE) requirements</i>	

About this Degree

The Science Exploration emphasis offers study in the sciences and is intended for students who wish to explore multiple scientific fields, but do not wish to be science majors. This may be appropriate for a student that wishes to augment their studies in another field, such as recreation or education, with a better understanding of the sciences. Students who might wish to pursue a science degree following transfer to a four-year institution should be sure to ascend through the college-level math courses because most bachelor's degrees in science require at least one semester of calculus. Students who already have a defined science transfer goal should NOT choose this major, but instead, consider the Liberal Arts-Science degree or one of the Associate for Transfer degrees in a specific scientific area. Students who intend to work in a specific professional area (such as Forestry, Natural Resources, or Computer Information Science) after completion of a two-year degree should consider the discipline-specific associate degree in those fields. In all cases, students are advised to consult a counselor on selecting a degree that best matches their academic goals.

Suggested Program Sequence

For information about the program length and suggested sequence of courses for this degree, please see an Academic Advisor.

Program Learning Outcomes

- Apply the scientific method of inquiry to investigations of the natural world.
- Demonstrate an ability to classify matter, energy, and organisms.
- Describe how energy is transferred.
- Explain the processes involved in cell biology and evolutionary change.