

LIBERAL ARTS AND SCIENCES MAJOR- WITH AREA OF EMPHASIS IN NATURAL SCIENCES

The Natural Science Area of Emphasis is an interdisciplinary option for students who desire a broad study in the natural science disciplines that include Anthropology, Astronomy, Biology, Chemistry, Geology, Mathematics, Physical Science, and Physics. The Natural Science Area of Emphasis may also help you prepare to transfer to a university. Courses completed to satisfy the Area of Emphasis requirements below may also count toward satisfying College of the Siskiyous and university transfer general education requirements. Consult with your advisor or counselor to develop an education plan that is appropriate for your academic goals. **Important:** To obtain the Associate in Arts Degree in LAS- Natural Sciences, students must complete the following requirements with a minimum grade point average (GPA) of 2.0:

- 18 semester units from the major requirements below.
- Courses must be from at least three disciplines from major requirements below.
- The College of the Siskiyous General Education Pattern (COSGE) requirements.
- Any needed electives to reach a total of 60 COS degree-applicable units.
- All major courses and any courses noted on the COSGE check sheet must be completed with a C or better.

Astronomy

- ASTR 1110- Astronomy (3)

Biology

- BIO 1000- Intro to Life Science (4)
- BIO 1400- Environmental Principles (3)
- BIO 1500- Human Biology (3)
- BIO 1600- Field Natural History (3)
- BIO 1700- Field Botany (3)
- BIO 2100- General Biology I (5)
- BIO 2200- General Biology II (5)
- BIO 2600- Microbiology (4)
- BIO 2700- Human Anatomy (4)
- BIO 2800- Human Physiology (5)

Chemistry

- CHEM 1000- Intro to Chemistry (5)
- CHEM 1100- Intro to Organic & Biochemistry (5)
- CHEM 2000- General Chemistry I (5)
- CHEM 2100- General Chemistry II (5)

Environmental Science

- ENVS 1002- Environmental Science (4)

Geography

- GEOG 1110- Physical Geography (3)

Geology

- GEOL 1110- Environmental Geology (3)
- GEOL 1120- Geology of the National Parks (3)

- GEOL 1130- Geology of California (3)
- GEOL 1140- Oceanography (3)
- GEOL 1210- Physical Geology/Lab (4)
- GEOL 1220- Historical Geology/Lab (4)

Mathematics

- MATH 1050- Elementary Statistics (4)
- MATH 1100- College Algebra (4)
- MATH 1200- Pre-Calculus (4)
- MATH 1400- Calculus & Analytic Geometry I (4)
- MATH 1500- Calculus & Analytic Geometry II (4)
- MATH 2400- Calculus & Analytic Geometry III (4)
- MATH 2500- Ordinary Differential Equations (3)
- MATH 2600- Intro to Linear Algebra (3)

Physics

- PHYS 1001- Physics by Exploration (4)
- PHYS 1010- Conceptual Physics (3)
- PHYS 1105- General Physics I (4.5)
- PHYS 1110- General Physics II (4.5)
- PHYS 2105- Mechanical Physics, Oscillations and Waves (4.5)
- PHYS 2110- Electrical Physics, Light (4.5)
- PHYS 2115- Heat, Modern, & Quantum Physics (4.5)