

Environmental Studies Degree Program Through Bachelor of Integrated Studies (BIS)

In addition to the Environmental Studies Core area, students will choose areas of emphasis from choices in Botany, Environmental Appreciation, Geography, Geology, or Zoology.

Please note: Students will need to observe any needed prerequisites for the courses in the following lists.

B.I.S. / Environmental Studies Leg: Core

Required Courses: 28-30 Credits

BTNY LS1403: Environment Appreciation (3)
CHEM PS1010: Introductory Chemistry (3) OR CHEM PS1210: Principles of Chemistry (5) *
ECON SS1100: Economics and Environmental Policy (3)
ENGL HU3520: Literature of the Natural World (3)
GEO PS1060: Environmental Geosciences (3)
GEOG PS1400: The Science of Global Warming: Myths, Realities, and Solutions (3)
HIS 3270: American Environmental History (3)
SOC 3300: Environmental Sociology (3)
ZOOL 1110: Principles of Zoology I (4)

* Students may use the CHEM courses listed above from their general education requirements to fulfill the B.I.S. core requirement.

BIS / Environmental Studies Leg: Botany

Minimum 18 credits

Required Botany (12 credits):

- BTNY 2104: Plant Form and Function (4)
- BTNY 2114: Evolutionary Survey of Plants (4)
- BTNY 2413: Introduction to Natural Resources Management (3)
- BTNY 2600: Laboratory Safety (1)

Elective Botany (minimum 6 credits):

- BTNY 3105: Anatomy & Morphology of Vascular Plants (5)
- BTNY 3204: Plant Physiology (4)
- BTNY 3214: Soils (4)
- BTNY 3454: Plant Ecology (4)
- BTNY 3473: Plant Geography (3)
- BTNY 3504: Mycology (4)
- BTNY 3514: Algology (4)
- BTNY 3523: Marine Biology (3)
- BTNY 3624: Taxonomy of Vascular Plants (4)
- BTNY 3643: Intermountain Flora (3)*

* Currently is four 1-credit courses (BTNY 3641A, B, C & D). This course is under review this semester for conversion to a single 3-credit course.

BIS / Environmental Studies Leg: Environmental Interpretation

Minimum 18 credits

- ANTH 3100: Prehistory of North America (3) **OR** ANTH 3300: Archaeological Field Techniques (3) **OR** ANTH 3400: Archaeological Field Techniques (3)
- ART 2015: Drawing on the Land (3)
- COMM HU2110: Interpersonal and Small Group Communication (3) **OR**
- COMM 3400: Public Relations (3) **OR** ENGL 3100: Professional and Technical Writing (3)
- ENGL EN2010: Intermediate Writing (3)*
- ENGL 3730: Literature of Cultures and Places (3)* **OR** ENGL 3750: Topics and Themes in Literature (3)* **OR** ENGL HU/DV3510: World Literature (3)* **OR**
- ENGL 3580: Regional Literature in America (3)*
- HIS 4120: Twentieth Century West (3)
- HON PS1500: Perspectives in the Physical Sciences (3)**
- HON LS1510: Perspectives in the Life Sciences (3)**
- HON SS1520: Perspectives in the Social Sciences (3)**
- HON CA1530: Perspectives in the Creative Arts (3)**

HON HU1540: Perspectives in the Humanities (3)**
HON 3900: Colloquium (3)*

**(Approval of BIS Director Required to Ensure Environmental Studies-Related Content)*

** (Students may take a maximum of two 1000-level courses to fulfill requirements for this leg).

B.I.S. / Environmental Studies Leg: Geography

18 credits

Required Geography: 6 Credits

GEOG PS1000: Natural Environments of the Earth (3)
GEOG 3060: World Environmental Issues (3)

Elective Geography: (minimum 12 credits):

GEOG 1001 Nat Environment Field Studies (1)
GEOG 1002 Map Reading & Land Navigation (1)
GEOG 2950 Elementary Regional Field Studies (1-3)
GEOG 3050: Weather and Climate (3)
GEOG 3070: Wetland Environments (3)
GEOG 3080: Arid Lands (3)
GEOG 3090: Arctic and Alpine Environments (3)
GEOG 3450: Introduction to Cartography and GIS (3)
GEOG 4410 Land Use Planning (3)
GEOG 4950 Advanced Regional Field Studies (1-3)

B.I.S / Environmental Studies Leg: Geosciences

Minimum 18 credits

Required Geosciences (12 credits):

GEO PS1110: Dynamic Earth: Physical Geology (3)
GEO 1115: Physical Geology Lab (1)
GEO 1220: Historical Geology (4)
GEO 4210: Introduction to Computer Mapping and GIS (4)

Elective Geosciences (minimum 6 credits):

GEO PS1130: Introduction to Meteorology (3)
GEO 2050: Earth Materials (4)
GEO 3010: Oceanography & Earth Systems (3)
GEO 3080: Water Resources (3)

GEO 3150: Geomorphology (4)
GEO 3180: Paleontology (4)
GEO 3210. Quaternary Environmental Change (3)
GEO 3400: Remote Sensing 1 (4)
GEO 3880: Groundwater (4)
GEO 4010. Ancient Environments and Paleoecology (3)
GEO 4150: Environmental Assessment (4)
GEO 4220: Technical & Applicational Issues in GIS (4)
GEO 4400: Remote Sensing II: Advanced Digital Image Processing (4)

BIS / Environmental Studies Leg: Zoology

Minimum 19 credits

Required Zoology (15 credits):

ZOOL 1120: Principles of Zoology II (4)
ZOOL 3450: Ecology (4)
ZOOL 3500: Conservation Biology (3)
ZOOL 4480: Aquatic Ecology (4)

Elective Zoology (minimum 4 credits):

ZOOL 4640: Entomology (4)
ZOOL 4650: Ichthyology (4)
ZOOL 4660: Herpetology (4)
ZOOL 4670: Ornithology (4)
ZOOL 4680: Mammalogy (4)