Students with an interest in environmental issues have several options of study at Albright College:

- Major in environmental science
- Major or combined major in environmental studies
- Environmental chemistry track in the chemistry major

All environmental students must complete an introductory environmental seminar (Introduction to Environmental Issues, EVS 101) and a final junior or senior level seminar (Environmental Capstone Seminar, EVS 400) as part of their curriculum of study. The introductory seminar, preferably taken in the first year, allows entering students the opportunity to explore the different options of study and provides a shared foundation for the rest of their program. The capstone course encourages students from the different tracks to integrate the natural and social sciences in their approach to environmental issues, and to work together to apply their specialized knowledge in the pursuit of solving the complex problems facing society today.

Environmental Science

The interdisciplinary nature of the environmental science major (see interdisciplinary studies) allows students to address a wide range of contemporary questions through the natural sciences of biology, ecology, earth sciences, chemistry, the social sciences including political science, sociology, economics, and psychology and the humanities of history and philosophy. The major is designed for science students wishing to pursue careers in environmental research/technology and resource management or pursue graduate study in an environmental field.

Requirements:

Environmental Science majors must take:

ESS 101 and 400
Seven courses within the science/math core:
- BIO 152 and either 151 or 203
- BIO 200 (fulfills general studies quantitative reasoning requirement)
- BIO 211
Environmental Chemistry

Environmental chemistry is offered as a track within the chemistry major (see Chemistry and Biochemistry). This major provides students with a solid background in chemistry with a specific emphasis on the chemistry of the environment.

Requirements:

- ESS 101 and 400
- CHE 105, 106
- CHE 207, 208
- CHE 321, 322,
- CHE 323, 324
- CHE 420
- MAT 131 and 132
- PHY 201 and 202
- BIO 151 and 152

The following related courses are available as electives:

- BIO 211
- CHE 325, 326, 411 and 412
- Independent study in biology or chemistry (BIO 381, 481 or CHE 381, 481)
- Biology or chemistry internship experience (BIO 482 or CHE 482)

Students interested in the environmental chemistry major should contact Professor Pam Artz in the Chemistry Department.
Students who wish to learn about the environment from the perspective of the social sciences and humanities may choose a major or combined major in environmental studies. This field of study is rooted in the liberal arts tradition of diversity and critical thought and requires coursework in the politics, anthropology, sociology and psychology of the environment as well environmental economics. In addition to a hands-on natural science, students may choose to study ecological history, religion and the environment and/or the application of philosophical ethics to the natural world.

Students majoring in environmental studies also receive credit for experiential learning that may consist of study abroad, an internship or independent study arranged with an affiliated instructor.

This interdisciplinary major or combined major helps prepare students for careers in government, public advocacy, consulting, or for graduate study in law or other fields involving environmental issues.

Students interested in this major should contact Professor Barty Thompson, Director of the Environmental Studies Major (Sociology-Anthropology Department) or Professor Brian Jennings (Sociology-Anthropology Department).

**Major in Environmental Studies**

Required Courses (Only one course, beyond the Quantitative Reasoning Statistics course, can be counted toward General Studies Foundations requirements)

All of the following core courses

- ESS 101 Introduction to Environmental Issues
- ESS 400 Environment Seminar
- ECO 224 Environmental Economics
- POL 321 Environment Policy
- ANT/PSY 265 Ecological Psychology
- SOC 291 Environmental Sociology
- ESS 325 GIS

One general course:

- ANT 101 Introduction to Anthropology
- ANT 285 The Human Animal
- ANT 303 Food & Cultural

One environmental science course:

- BIO 152 General Biology II
- BIO 211 Ecology
- BIO 214 Botany and Plant Taxology
- BIO 246 Conservation Biology
- ESS 205 Physical Geology
- ESS 310 Pollution
- ESS 315 Watersheds
- SPP J51 Protecting Endangered Species: Hawaiian Humpback Whale

One humanities course:

- HIS 280 Ecological History
• PHI 270 Environmental Ethics
• REL 280/ SYN 380 Religion & the Environment

One additional course from either the environmental science group or humanities group above.

One experiential learning course:
• ESS 280 Martinique Studies
• ESS 282 or POS 399 Internship
• ESS 298 Ecological & Anthropological Methods in Peru (if not taken as methods course)
• SPP J51 Protecting Endangered Species: Hawaiian Humpback Whale

Another off-campus experience, independent study or internship that relates to environmental issues and that is approved by an affiliated instructor or an additional course approved by the director of the Environmental Studies Program:

One statistics course (satisfies General Studies Foundations Quantitative Reasoning requirement):
• ECO 207 Economics Statistics
• MAT 110 Elementary Statistics
• POL 207 Research Methods
• PSY 200 Research Design I (must be taken in combination with PSY 201)
• SOC 211 Social Statistics

One methods course:
• ESS 298 Ecological & Anthropological Methods in Peru
• PSY 201 Research Design II (must be taken in combination with PSY 200)
• SOC 210 Research Methods

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**Combined Major in Environmental Studies**

**Required Courses:**
• ESS 101 Introduction to Environmental Issues
• ESS 400 Environment Seminar
• ECO 224 Environmental Economics
• POL 321 Environmental Policy
• ANT/PSY 265 Ecological Psychology
• SOC 291 Environmental Sociology
• ESS 325 GIS

One of the following courses:
• HIS 280 Ecological History
• PHI 270 Environmental Ethics
• REL 280/SYN 380 Religion & the Environment
• ANT 303 Food & Culture

One statistics course (satisfies the General Studies Foundations Quantitative Reasoning requirement):
• ECO 207 Economics Statistics
• POL 207 Research Methods
• PSY 200 Research Design I (must be taken in combination with PSY 201)
• SOC 211 Social Statistics
• MAT110 Elementary Statistics

It is recommended that students take one of the following science courses to satisfy the general studies natural science requirement:
• BIO 152 General Biology II
• ESS 205 Geology
• SPP J51 Protecting Endangered Species: Hawaiian Humpback Whale

Students interested in environmental studies should contact Professor Barty Thompson, Director or Professor Brian Jennings.