ENVIRONMENTAL EDUCATION

at Arcadia University

Global Perspectives…Personal Attention…Real-World Integrative Learning Experiences

This is a 3+2 program.

Adviser

Assistant Professor
Dr. Julia Plummer

Degrees

Bachelor of Arts in Biology and **Master of Arts in Education with a concentration in Environmental Education** (3+2 program)

Pathways to Study Abroad

Students are strongly encouraged to take a semester abroad. Visit the University's Web site for Pathways to Study Abroad (www.arcadia.edu/pathways) for suggested course sequences.

Since it is important that students plan ahead for study abroad, they should consult with their advisers as soon as possible and make their intentions known to the Department Chair and the Director of International Services.

About the 3+2 Environmental Education Accelerated Program

- Accelerated program leading to bachelor's and master's degrees in just five years
- Option to complete in six years
- Preparation for career in environmental education
- Specialized certification for teachers
- Senior research project
- Opportunities to study abroad at some of the top universities in the world

Environmental Education is an accelerated program for students interested in a foundation in the biological sciences leading to a career in environmental education.

The five-year accelerated 3+2 program awards a Bachelor of Arts in Biology and a Master of Arts in Education (M.A.Ed.) with specialized certification in Environmental Education. Students in this program also can work toward a Pennsylvania teaching certificate in Environmental Education (K-12).

Interested students register as Biology majors with a concentration in Conservation Biology and will complete most required courses for the undergraduate major within their first three years and begin graduate courses in the summer following the junior year.

Senior Capstone Experience: In the senior year, students complete the Senior Seminar in Biology and Psychobiology, which includes their thesis research and its poster presentation.

Upon entry to Arcadia, students must notify their advisers as to their interest in this program and its options to ensure that they take the required sequence of courses. Students must apply for the 3+2 program midway through the junior year and, because this is an accelerated program, must have at least a 3.0 GPA at that time.

In the summer of the junior year, students start taking graduate courses leading toward the master's degree.

Students who do not meet the eligibility requirements of this accelerated program or who want more flexibility in their undergraduate program can take both degrees, the B.A. in Biology and the M.A.Ed. in Environmental Education, in the normal sequence.

Requirements for the B.A. in Biology and the M.A. in Education

(62 credits as listed below, with Undergraduate Curriculum requirements and electives to total 128)

1. Nine courses in Biology

BI	101, 102	General Biology I, II
BI	201	Evolution and Population Biology
BI	204	Genetics
BI	211	Comparative Anatomy and Physiology
BI	222	Plant Biology
	or BI 329	Ecology

BI	242	Biological Research Methods
BI	290	Junior Seminar in Biology and Psychobiology (2 credits)
BI	490	Senior Seminar in Biology and Psychobiology (4 credits)

2. Two courses in Chemistry

CH	101, 102	Modern Chemical Concepts I, II

3. Two cognate courses in Mathematics (MA 110 or higher), or Chemistry (CH 201 or higher), or Physics (PH 201, 202, 211, or 212)

4. Three additional Biology electives at the 300 level. (For some career goals, additional electives may be necessary.)

Master's-Level Courses

(The M.A.Ed. in Environmental Education requires 30 graduate credits.)

1. Two Foundations of Education courses (any course between ED 501 and 510; ED 503 is recommended)

2. A minimum of five Environmental Studies courses
The following courses are offered in cooperation with the Schuylkill Center for Environmental Education:

ES	501	Introduction to Environmental Studies
ES	502	Field Natural History
ES	503	Meteorology
ES	504	Human Ecology: Use of Natural Resources
ES	505	Earth Science
ES	506	Society and the Environment
ES	510	Introduction to Field Studies
ES	511	Aquatic Ecology

3. Electives and Education Courses may be selected to complete the remaining credits.

4. Culminating Project (ED 596 or ES 589; chosen in consultation with the Science Education coordinator)

Additional courses in Education and Environmental Science will be required if the student is working toward a Pennsylvania certification. This program must be worked out with the Science Education Coordinator.