

Gateway to



Learning - Discovery - Community

PRE-FORESTRY

DEPARTMENT OF BIOLOGICAL SCIENCES
COLLEGE OF ARTS & SCIENCES
EASTERN KENTUCKY UNIVERSITY

Biology at EKU

The Department of Biological Sciences' undergraduate curricula provide students with a solid foundation in biology plus the knowledge and excitement generated by recent research. Excellent opportunities exist for education and research in many areas of modern biology, including animal behavior, aquatic biology, botany, cell & molecular biology, evolution, ecology, microbiology, systematics, wildlife biology and management, and zoology. The Department includes 21 faculty members (all with Ph.D.'s), several of whom have been recognized for Excellence in Teaching, Research, or both

Class sizes are small and there is frequent interaction with the faculty. Facilities for teaching and research are available both on and off campus. Laboratory experiences are an essential component of virtually all courses, so students gain practical as well as theoretical knowledge. Opportunities exist for field experiences throughout Kentucky, neighboring states, and even abroad. If you are looking for a biology program where faculty place a high priority on both teaching and research, and getting students involved, EKU is the place!

Careers in Biology

The careers for which biology students prepare themselves are quite diverse. Nationwide, about 10 percent of biology majors go on to graduate school in biology and other sciences, and about 20 percent go on to medical school. A small but significant fraction of students become teachers in elementary and secondary schools. Others take jobs as biologists in industry, government, the nonprofit sector, law, journalism, and many other professions. Biology at EKU provides the educational breadth to pursue these opportunities.

Degree Programs

The Department of Biological Sciences offers the Bachelor of Science degree in Biology for students who wish to pursue a profession in the biological sciences. The department also offers the B.S. degree in Biology-Teaching, Environmental Studies, and Wildlife Management, pre-professional curricula in Pre-Medicine/Pre-Dentistry, Pre-Veterinary Medicine, & Pre-Forestry, and a minor in Biology. At the graduate level, the department offers the Master of Science in Biology, with an option available in Applied Ecology.

For More Information

Office of Admissions
SSB CPO 54
Eastern Kentucky University
521 Lancaster Avenue
Richmond, KY 40475-3102
www.admissions.eku.edu
800-465-9191
859-622-2106

Department of Biological Sciences
Moore 235
Eastern Kentucky University
521 Lancaster Avenue
Richmond, KY 40475-3102
www.biology.eku.edu
859-622-1531

Eastern Kentucky University

If you are serious about learning, Eastern Kentucky University is your kind of place. We're committed to helping you realize your potential and achieve your goals. And we'll work hard to provide you with a quality, life-changing learning experience.

As a student at EKU, you'll be taught, challenged and guided by professors who put teaching first. And because we maintain high standards set by national and regional accrediting agencies, we'll have high expectations for you as a student. You'll work hard, and we'll help you succeed.

Most of your classes at EKU will be small and will be taught by professors, not graduate students. You'll study in modern classrooms, laboratories, libraries and other facilities using state-of-the-art technology and equipment. And you'll discover opportunities to enhance classroom learning with hands-on experience through internships or the cooperative education program.

- A comprehensive, public university serving more than 16,000 students.
- Undergraduate and graduate excellence through more than 160 associate, baccalaureate, master's, specialist and cooperative doctoral programs.
- Quality and diversity in faculty and staff.
- Student/professor ratio of 17:1
66-acre main campus in Richmond, educational centers in Corbin, Danville and Manchester, and academic offerings at other sites throughout the Commonwealth.

Education For Life.



Eastern Kentucky
University

[WWW.EKU.EDU](http://www.eku.edu)

PRE-FORESTRY

Arrangements made through the Southern Regional Education Board provide for students who wish to prepare as professional foresters to do the first three years of their work at ECU and complete their training in two years and one summer at University of Kentucky or any other accredited school of forestry. Students may elect a three-year program and graduate with a Bachelor of Science degree with a major in biology by transferring 30 semester hours from an accredited school of forestry.

Major Requirements 26 hours
BIO 121, 131, 141, 315, 328, 335, 536.

Supporting Course Requirements 41 hours
AGR 215, CHE 111, 115, 112, 116, or 116H, CON 221, CSC 174, ENG 300, GLY 108, TEC 190, MAT 124*, PHY 131; CMS 100 or 300; STA 215 or 270.

General Education Requirements 30 hours
Standard General Education program, excluding blocks IC, II, IVB, VII (QS), and VIII (6 hours). Refer to Section Four of this *Catalog* for details on the General Education and University requirements.

University Requirement 1 hour
ASO 100.

Free Electives 12 hours

Total Curriculum Requirements 110 hours

* A preparatory course (MAT 109) may be required before admission to MAT 124.

BIOLOGY COURSES

BIO 121	Principles of Biology
BIO 131	General Botany
BIO 141	General Zoology
BIO 315	Genetics
BIO 328	Plant Physiology
BIO 335	Plant Systematics
BIO 536	Dendrology

OTHER COURSES

AGR 215	Principles of Soils
CHE 111	General Chemistry I
CHE 112	General Chemistry II
CHE 115	General Chemistry Lab I
CHE 116	General Chemistry Lab II
CHE 116H	General Chemistry Honors Lab II
CMS 100	Intro. to Human Communication
CMS 300	Business and Professional Speaking
CON 221	Plane Surveying
CSC 174	Intro. to FORTRAN
ENG 300	Intro. to Technical and Professional Writing
GLY 108	Plate Tectonics: The Active Earth
MAT 109	Precalculus Mathematics
MAT 124	Calculus I
PHY 131	College Physics I
STA 215	Elementary Probability and Statistics
STA 270	Applied Statistics I
TEC 190	Technical Graphics