Overview of Biological Sciences

Biology is considered an essential science and is the basis for all fields of medicine. The Southeastern Biological Sciences Department offers concentrations in ecology/environmental/evolutionary biology, microbiology/molecular biology, integrative biology, plant science and biology education. An undergraduate degree in biology prepares students for both employment and graduate or professional school.

Pre-professional programs such as Pre-Medicine, Pre-Dentistry, Pre-Physical Therapy, Pre-Occupational Therapy, Pre-Optometry, Pre-Pharmacy, and Pre Veterinary Medicine generally follow the curriculum outlined for a concentration in Integrated Biology or Microbiology/Molecular biology.

Employers of Biology Majors
- State Agencies such as Department of Environmental Quality, Wildlife & Fisheries, Department of Natural Resources, and Parks and Recreation
- Federal Government Agencies such as Environmental Protection Agency, U.S. Forestry Dept., National Park Agency
- Pharmaceutical Companies
- Industry, Particularly Biotechnology Firms
- Colleges and Universities

Characteristics of Successful Biology Majors

- Strong aptitude for mathematics and science (analytical reasoning)
- Critical thinking skills and develop work habits that are systematic and precise
- Ability to analyze and synthesize data
- Effective oral and written communication skills
- Excellent laboratory and computer skills

Expectations of Biology Majors

- Attend every class; Ace your science and math classes; Work hard from the first day; Be interested; show curiosity about the subject; get to know your professors.
- Maintain at least a 3.0 cumulative grade point average to be competitive for internships and a 3.5 for graduate school and professional programs.
- Successfully complete 15-18 hours each semester.
- Enroll in a balanced schedule to prevent unnecessary course withdrawal.
- Develop study habits that mirror work habits necessary for employment.
- Engage in at least one Real World Ready opportunity: an internship, service project, study abroad, etc.