

College of Sciences Career Guide
Bachelor of Science in Biological Sciences
Concentration in Integrative Physiology

About the Major and Concentration

Majoring in biological sciences with a concentration in integrative physiology provides students with intellectual and technical tools essential in a broad array of life science careers, including application to all healthcare-related professional schools or graduate schools. This degree examines how animals and/or plants work from a molecular/cellular level or organization to a systems level of understanding and up to the integration of physiology with behavior and evolutionary processes.

Students concentrating in integrative physiology should also be able to explain how cells and organisms acquire and process nutrients, transform energy, and maintain homeostasis in a variable environment to survive and reproduce.

Skills

Research
Problem Solving
Ability to Operate Scientific Equipment
Critical Thinking

Potential Career Opportunities

Biomedical Scientist
Biomedical or Biophysics Engineer
Cardiopulmonary Technologist
Optometrist
Dentist
Osteopath
Epidemiologist
Ergonomics Specialist
Pharmaceutical Sales
Lab Technician
Nutritionist
Occupational Therapist
Science Education

Common Career Areas for this Major

Research and Development

Healthcare

Biomedical Sciences

Organismal and Ecological Biology

Education

Biotechnology

Bioinformatics