Welcome to Biology at Coastal Carolina University!

www.coastal.edu/biology

DEPARTMENT OF BIOLOGY

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Discovery Day—Biology Overview

• Biology curriculum

• Careers

• Getting involved

• Questions
Biology curriculum

• Core Curriculum

• Graduation Requirements

• Foundation Requirements:

• Biology Major Requirements
  • Biology Core
  • Major Area Specialization

Abby Taylor at Honors Convocation
Biology curriculum

- Core Curriculum

- Graduation Requirements

- Foundation Requirements (all with labs)
  - Introductory Biology (2 semesters)
  - General Chemistry (2 semesters)
  - Organic Chemistry (2 semesters)
  - Physics (2 semesters)
  - Statistics
  - Calculus I

- Biology Major Requirements
  - Biology Core
  - Major Area Specialization
Biology curriculum

• Biology Major Requirements
  • Biology Core (must complete all three)
    • Cell Biology (BIOL 340/L)
    • Genetics (BIOL 350/L)
    • Ecology (BIOL 370/L)

• Major Area Specialization (only do one area; each area has about 7 classes)
  • Cellular, Molecular Biology, and Genetics
  • Ecology, Evolution, and Conservation Biology
  • Integrative Biology
77 Things to Do With a Degree in the Biological Sciences

Health Professions
- Veterinarian
- Dentist
- Medical Researcher
- Physician
- Pharmacist
- Optometrist

Math/Engineering
- Nanotechnology
- Biomedical Engineering
- Epidemiologist
- Biometrician/Statistician
- Bioinformatician

Communications
- Textbook Writer/Editor
- Science Writer/Editor
- Public Information Officer
- Grant Writer
- Science Reporter (TV/Radio)

Arts
- Molecular Visualization
- Biological & Medical Illustration
- Bio-Animation & Films
- Nature Photographer

Legal
- Criminal Investigator
- Forensic Scientist
- Environmental Lawyer
- Patent Lawyer

Allied Health
- Physician’s Assistant
- Physical Therapist
- Pathologist
- Radiologist
- Occupational Therapist
- Dietician
- Speech Therapist
- Nurse
- Medical Technologist
- Public Health Administrator

Animal Care/Research
- Gamekeeper
- Zookeeper
- Marine Biologist
- Marine Mammal Trainer
- Fisheries & Aquaculture

Environmental
- Bioremediation
- Toxicologist (Aquatic/Terrestrial)
- Conservation Biologist
- Entomologist
- Forest Ranger
- Environmental Scientist
- Agricultural Scientist
- Naturalist
- Pest Control Expert

Plant Biology
- Horticulture
- Ethnobotanist
- Botanist

Health Related
- Clinical Lab Scientist
- Pharmacist’s Assistant
- Med/Vet Technician
- Immunologist
- Bioethicist
- Genetic Counselor
- Hospital Administrator

Industry
- Drug Testing/Quality Control
- Food Safety Expert
- Zymurgy (Beer/Winemaking)
- Laboratory Assistant
- Biotechnology Researcher
- Business Administration
- Mycologist
- Pharmaceutical Researcher
- Sales & Marketing

Education
- Biology Teacher
- Professor
- Museum Curator
- Museum Exhibit Preparator

Government
- Science Advisor
- Grant Administrator
- National Health Official
- Agricultural Official
- City/Community Health Official
- Bioterrorism Expert

- CCU graduate programs
  - MSc in Coastal Marine and Wetland Studies
  - MAT in Secondary Science (9 – 12th grade)
Getting involved

Research
https://www.coastal.edu/research/undergraduate/

Pre-Health Advisory Committee

SEA-PHAGES & SEA-GENES

SC Idea Networks of Biomedical Research Excellence

Internships
www.coastal.edu/internships

Student Organizations
coastal.collegiatelink.net/Organizations