

BIOLOGY

University of Northern Iowa College of Humanities, Arts & Sciences

<https://biology.uni.edu/>

ABOUT THE MAJOR

Biology is the natural science that studies life and living organisms, including their physical structure, chemical processes, molecular interactions, physiological mechanisms, development and evolution. Biologists study humans, animals and bacteria to gain a better understanding of how the body works and how external factors influence each organism. A biologist will use basic methods of research to gather data, in order to prove or disprove theories, as well as to help find advancement in medicine.

SAMPLE COURSEWORK

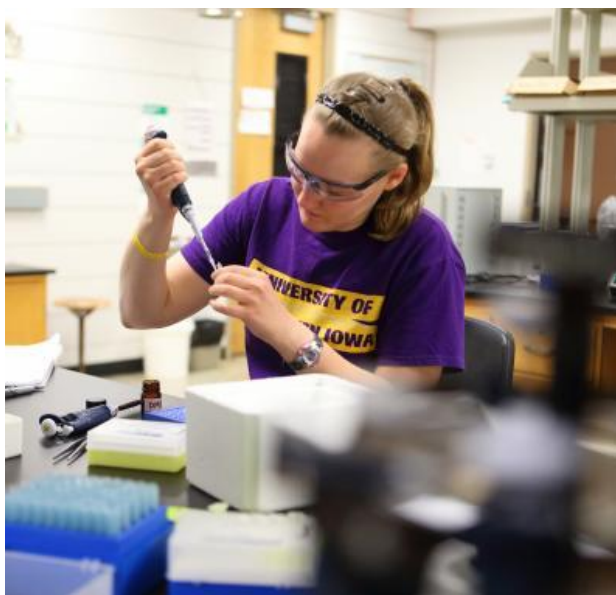
| | |
|---|-------------------|
| General Chemistry I | Genetics |
| Organismal Diversity | General Physics I |
| Cell Structure and Function | Earth History |
| Ecology, Evolution, and Nature of Science | Organic Chemistry |
| | Pre-calculus |

POSSIBLE CAREERS *some titles may require further education

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|------------------------|----------------------------|-------------------------|--------------------------|
| Biologist | Environmental Data Analyst | Researcher | Engineer |
| Biochemist | Field Technician | Lab Assistant | Public Health Specialist |
| Cell Biology Scientist | Forensic Chemist | Molecular Biologist | Structural Biologist |
| Climate Data Analyst | Genetic Counselor | Pharmaceutical Research | Toxicologist |

UNI GRADUATES: WHERE ARE THEY NOW?

- Integrated DNA Technologies
- DuPont Pioneer
- Mayo Clinic
- University of Northern Iowa
- Iowa State University
- University of Iowa Healthcare
- Corteva
- Eurofins
- CVS Pharmacy
- Thermo Fisher Scientific
- Monsanto Company
- Promega Corporation
- IDT
- St. Luke's Hospital
- Elanco Animal Health
- Covenant Medical Center
- Ingelheim Vetmedica



SKILLS NEEDED

- Analytical thinking
- Problem-solving
- Observatory
- Patience
- Research
- Written communication
- Ability to work independently and collaboratively
- Close attention to detail

HOLLAND CODES

IRS