Solve complex problems by studying different levels of biology and how they interact.

To solve modern biological and medical problems, you need a broad skill set. The Molecular & Integrative Biology program will give you the breadth of knowledge, analytical skills, and computational tools needed to approach complex problems in Biology.

Program Snapshot

Program type: Major
Format: On-campus
Est. time to complete: 4 years
Credit hours: 120

Why Study Molecular & Integrative Biology at UND?

The future of Biology involves solving complex problems that require broad knowledge. The Molecular & Integrative Biology program at UND emphasizes knowledge that spans across levels of biological organization, from the gene and cell, to the development and physiology of organisms, all the way up to species interacting in their environments.

- Students in the program are encouraged to gain the computational skills needed to analyze complex biological systems and datasets, learn about cutting edge genomic and molecular tools, and put that learning to practice.
- Students can pursue their passion by gaining valuable independent research experiences with excellent research faculty and laboratory environments.

This major is especially well suited for students interested in pursuing opportunities in various biology research areas or working in biotechnology development.

Application Deadlines

Fall: Aug. 17
Spring: Dec. 15
Summer: May 1

Program Highlights

- Internship or research experiences are required parts of curriculum.
- Engage in internships under direct faculty supervision, early in your college career.
- Work in state-of-the-art facilities including greenhouses, animal rooms for terrestrial and aquatic organisms, tissue culture facilities, a biology core molecular facility and four field stations.
- Participate in internships or experiential learning supported by local and national programs such as the McNair and US Masters programs, the National Science Foundation Research Experience for Undergraduates (NSF-REU) and the National Institutes of Health Summer Undergraduate Research Fellowships (NIH-SURF).

Outcomes
13%  Anticipated job growth for medical scientists.*

80K  Median annual salary for biological scientists.**

*U.S. Bureau of Labor Statistics
**U.S. Bureau of Labor Statistics: Biological Scientists

UND Molecular & Integrative Biology graduates have built rewarding careers in a wide range of industries, including:

- Biotechnology
- Conservation biology/ecology
- Education (secondary and higher education)
- Health sciences
- Medical laboratory research
- Medicine
- Scientific research

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