Engaged in Your Future

Demand for graduates in the life sciences is growing rapidly as society turns to biologists for solutions to threats such as emerging diseases, climate change, species extinctions, and the need for higher food production. The UIS biology department offers unparalleled opportunities for field and lab research and will prepare you to solve crucial human and environmental problems facing the world. Many biology majors go on to professional school – medical, dental, and pharmacy.

Bachelor’s Degree
- Bachelor of Science (B.S.)
- Minor

Graduate Degree
- Master of Science (M.S.)

Career Paths
- Scientist/researcher
- Laboratory technician
- Biologist/Ecologist
- Allied health professional
- Project manager in biotechnology
- Environmental consultant
- Teachers and professors
- Medical, dental, pharmacy, or veterinary school
- Wildlife manager

Distinction
- Biology students work alongside scientists at the UIS Therkilton Emiquon Field Station, where the historic restoration of 7,000 acres of wetlands is taking place.
- Biology majors with at least a 3.25 GPA may participate in the biology honors program where they complete a research project, publish, and present at the annual science symposium.
Bachelor’s Degree

PROGRAM HIGHLIGHTS

State of the art facilities. Students work with lab instrumentation including fluorescence and electron microscopes, DNA sequencers, thermocyclers, and tissue culture equipment. The department has a spacious greenhouse as well.

Pre-professional. A biology degree offers an excellent pre-professional program. Professors provide guidance to students planning to apply to medical, dental, pharmacy or veterinary school.

B.S. IN BIOLOGY

Complete university requirements – a minimum of 10 credit hours of Engaged Citizenship Common Experience (ECCE) courses.

Fulfill prerequisite courses (13 - 18 credit hours)

Complete biology core requirements (32 credit hours)

Complete elective course requirements (15 credit hours)

Sample of courses:

- Conservation Biology
- Cell Biology
- Environmental Biology
- General Microbiology
- Organismal Botany
- Comparative Vertebrate Biology
- Restoration Ecology
- Genetics
- Upper Mississippi River
- Medical Bacteriology
- Unity of Living Organisms
- Conservation Biology
- Biometrics
- Biology of Water Pollution
- Advanced Cell Biology and Molecular Biology

For a complete list of courses and degree requirements, see the UIS catalog at www.uis.edu/uiscatalog

Biology minor available, 24 credit hours minimum

Master’s Degree

PROGRAM HIGHLIGHTS

Two concentrations. Students choose from Ecology and Evolutionary Biology, or Molecular and Cell Biology. Both concentrations provide students with the practical, hands-on skills required of all natural resource scientists.

Research opportunities. Master’s students who focus on research work closely with professors on projects and often present their findings at scientific meetings. Many students publish in peer-reviewed journals.

ACADEMIC ORGANIZATIONS

The UIS Biology Club seeks to broaden the experiences of students through activities including the development of the UIS Nature Trail, science research symposium, plant propagation, plant sales, and field trips.

IMPORTANT! Information effective Fall 2011. Subject to change without notice. The information does not constitute a contract between the student and UIS. See www.uis.edu/uiscatalog for current program requirements.