

BIOLOGICAL SCIENCES

For more information, visit our department site at marquette.edu/biology.

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MARQUETTE UNIVERSITY

HELEN WAY KLINGLER
COLLEGE OF ARTS AND SCIENCES

BIOLOGICAL SCIENCES



**BE THE
DIFFERENCE.**



KLINGLER
College of Arts & Sciences

MARQUETTE UNIVERSITY

IMMERSE YOURSELF IN THE STUDY OF LIVING THINGS.

The Department of Biological Sciences lives at the leading edge of science and uses the latest technology to explore the diverse subject of biology.

You'll work directly with faculty to conduct research, learning to design, perform and analyze biological experiments. And while you're becoming a pro in the lab, you'll be gaining the critical-thinking skills necessary to understand and solve problems in any field.

MAJORS

BIOLOGICAL SCIENCES

Discover how and why living systems work. Tailor classes to your interests with a variety of electives, including developmental biology, ecology, plant biology, immunology, evolutionary biology and microbiology.

BIOCHEMISTRY AND MOLECULAR BIOLOGY

Learn from both our chemistry and biology departments, and get extensive experience in the laboratory.

PHYSIOLOGICAL SCIENCES

Focus on general physiology, neurobiology and anatomy. Gain hands-on experience with advanced laboratories in physiology and neurophysiology.

INTERDISCIPLINARY PROGRAMS

BIOINFORMATICS

Bioinformatics lies at the intersection of biology, statistics and computer science and is focused on the analysis of large biological datasets.

ENVIRONMENTAL SCIENCES (B.S.)

Earn a Bachelor of Science in a major that focuses on the scientific exploration of how humans interconnect with and effect ecosystems. Required and elective courses are in the natural sciences and engineering, with opportunities for internships and laboratory research experiences within those disciplines.

ENVIRONMENTAL STUDIES (B.A.)

This major explores how humans interact with the environment in a wide range of disciplines, including anthropology, biology and ecology, economics, history, political science, sociology, theology and ethics. This Bachelor of Arts program is designed with more humanities and social science courses than the environmental sciences major.

SPECIALIZED MAJORS

BIOLOGICAL SCIENCES OR PHYSIOLOGICAL SCIENCES – PRE-DENTAL SCHOLARS

PHYSIOLOGICAL SCIENCES – PHYSICAL THERAPY TRACK

BIOLOGICAL SCIENCES – 3+3 PHARMD PROGRAM WITH THE MEDICAL COLLEGE OF WISCONSIN

BIOLOGICAL SCIENCES FOR EDUCATION

MINORS

BIOLOGICAL SCIENCES

ENVIRONMENTAL STUDIES

STEM B.S./MBA ACCELERATED DEGREE PROGRAM

Save time and money by combining the technical expertise of a biology major with practical business knowledge and earn a bachelor's degree and MBA in five years.

RESEARCH

Work in a research lab — on your own projects — under the guidance of your faculty mentor. Then, present your findings at regional or national conferences.

SPEND YOUR SUMMER FINDING ANSWERS

Our 10-week summer research program puts you in a real biology lab doing exciting research in areas such as microbiology, ecology, developmental biology, cell biology, molecular biology, plant biology, neurobiology and vertebrate physiology.

CAREERS

Biological sciences majors graduate with options. You can go directly into the workforce or pursue a graduate or professional degree. Our undergraduates go on to find success and leadership roles in:

- ▶ Academic and medical research
- ▶ Medicine, dentistry and other health professions
- ▶ Sustainability and environmental policy
- ▶ Pharmaceuticals
- ▶ STEM education

THE SKILLS TO START A CAREER RIGHT AWAY

Graduate from Marquette qualified to work as a laboratory assistant, technician or research assistant; take a job in medical sales or product management; or do academic or hospital research.

A STRONG FOUNDATION FOR MEDICAL SCHOOL

Medical schools encourage undergraduates to pursue a broad liberal arts education with a strong basic science core, precisely the education you'll get here. And our department works closely with Marquette's Center for Pre-health Advising to ensure our students are well prepared for medical school or other health care careers.

DISCOVER THE FUTURE

With the unique laboratory research experiences in our undergraduate program, you will be in demand for top graduate schools.