



BIOLOGY

A major in biology blends knowledge of basic scientific processes with an appreciation of the phenomenon of life. State-of-the-art equipment and instrumentation provide unique research opportunities not typically found in a smaller college setting. The program prepares you to enter graduate or professional school to pursue scientific research, medicine, dentistry, physical therapy, physician assistant studies, nursing, and veterinary medicine, or seek employment in the biological sciences directly after graduation.

THE MOUNT OFFERS UP TO
\$25,000
IN MERIT SCHOLARSHIPS

To see eligibility requirements and other available scholarships, visit msj.edu/scholarships.

100%
CAREER OUTCOMES RATE

100% of Biomedical & Natural Sciences graduates were successfully employed, enrolled in graduate studies, or volunteering within six months of graduation. The knowledge rate for this survey was 80%.

HANDS-ON EXPERIENCE

HANDS-ON EXPERIENCE

Biology students hold co-op positions in research and diagnostic laboratories, product manufacturing and testing, hospitals, physical therapy clinics, and more. Students may engage in individualized research with a faculty mentor or in an off-campus research program internship. Student research projects have culminated in publications and award-winning presentations at regional and national conferences.



FURTHER YOUR EDUCATION

Take your Bachelor of Science in Biology degree and pursue graduate studies to become a veterinarian, physical therapist, and more. Students interested in preparing for a career in health care at the graduate level are encouraged to work with their academic advisor to identify a career path that aligns with their goals.

CAREERS IN BIOLOGY

ENVIRONMENTAL
EDUCATOR

EPIDEMIOLOGIST

HIGH SCHOOL
BIOLOGY
TEACHER

LABORATORY
DIRECTOR

MEDICAL
DOCTOR

RESEARCH
SCIENTIST



SCAN TO FIND:

- Featured courses
- Program requirements and more!



MOUNT ST. JOSEPH UNIVERSITY®
SCHOOL OF ARTS & SCIENCES

Office of Admission
513-244-4531 | 800-654-9314
msj.edu | admission@msj.edu

Eric Johnson, Ph.D.
Professor and Chair
Department of Biomedical and Natural Sciences
eric.johnson@msj.edu

BIOLOGY MAJOR - BACHELOR OF SCIENCE

FIRST YEAR-SEMESTER #1		FIRST YEAR- SEMESTER #2		UNIVERSITY CORE	
BIO 111 Principles of Biology I	4	BIO 112 Principles of Biology II	4	COMMON GOOD	
BIO 111A Prin. of Bio. I Lab	0	BIO 112A Prin. of Bio II Lab	0	CORE 115 Common Ground	Code COR
CORE 115 Common Ground	3	CHE 112 Gen. Chemistry II	3	Justice & the Common Good	Code JCG
COM 100/ENG 101	3	CHE 112A Gen. Chem II Lab	1	Ethics	Code CE
CHE 111 Gen. Chemistry I	3	COM 100/ENG 101	3	Experiential Learning	Code EXP
CHE 111A Gen. Chem I Lab	1	SOC 103 Our Social World	3	Core Capstone	Code CCP
		Core requirement	3	HUMANITIES	
SECOND YEAR-SEMESTER #1		SECOND YEAR-SEMESTER #2			
BIO 204 Biology Seminar	2	BIO elective	4	Speech (COM 100)	Code C
BIO elective	4	Expanded Knowledge Req	4	Writing (ENG 101)	Code C
Expanded Knowledge Req	4	Core requirement	3	Literature (ENG)	Code CL
Core requirement	3	Core requirement	3	Art or Music	Code CAM
Core requirement	3	CED 220 Found. of Professional	1	History	Code CH
				Religious Studies	Code CR
				Philosophy	Code CP
THIRD YEAR-SEMESTER #1		THIRD YEAR-SEMESTER #2		SCIENCES	
BIO elective	4	BIO elective	4	Biology/Chemistry/Physics + Lab Code CN	
BIO elective	4	BIO elective	4	Mathematics	Code CMA
Core requirement	3	Core requirement	3	SOC 103 Our Social World	Code CS
Core requirement	3	Elective	3	Choose one discipline:	
Core requirement	3	Elective	3	ECO 212 Microeconomics	Code CEP
				PSY 103 Psychology	Code CEP
FOURTH YEAR-SEMESTER #1		FOURTH YEAR-SEMESTER #2		NOTES	
BIO elective	4	Core Capstone	3	Prerequisites:	
Core requirement	3	Elective	3	Chemistry- College preparatory high school chemistry or the successful completion of a placement test.	
Elective	3	Elective	3	Math- Three years of college preparatory high school mathematics including functions.	
Elective	3	Elective	3	*Students must have an appropriate math placement before enrolling in MTH 193 and CHE 111.	
<i>Examples of BIO electives:</i>		<i>Examples of Expanded Knowledge Requirements:</i>		120 credit hours minimum needed to graduate	
Aquatic Biology		Physics			
Ecology		Organic Chemistry			
Animal Behavior		Biochemistry			
Microbiology		Biological Forensics			
Plagues and Parasites		Physical/Chemical Forensics			
Cell Biology		Instrumental Analysis			
Genetics		Toxicology			
Evolution		Musculoskeletal Anatomy			
Entomology		Advanced Anatomy			
Biotechnology		Pathophysiology			
		Or Additional Biology Courses		**Curriculum Guide does not replace advisement by a faculty member within the Biology program**	

Updated by EJ on 04.29.2025



**MOUNT ST. JOSEPH
UNIVERSITY®**

5701 Delhi Road
Cincinnati, Ohio 45233-1670
513-244-4200
www.msj.edu

Mount St. Joseph University ("the University") is committed to providing an educational and employment environment free from discrimination or harassment on the basis of race, color, national origin, religion, sex, age, disability, sexual orientation, gender identity, veteran status or other minority or protected status. This commitment extends to the University's administration of its admission, financial aid, employment, and academic policies, as well as the University's athletic programs and other University-administered programs, services, and activities.

The University has designated the Vice President of Compliance Risk and Legal Affairs/General Counsel/ Title IX Coordinator, (513) 244-4393, as the individual responsible for responding to inquiries, addressing complaints, and coordinating compliance with its responsibilities under Title IX of the Education Amendments of 1972 and other related federal and state civil rights laws. The University has designated the Chief Human Resources Officer, (513) 244-4979, as the individual responsible for responding to inquiries, issues, or complaints relating to discriminatory, harassing, or retaliatory conduct related to race, color, national origin, religion, age, disability, veteran status or any other legally protected status. The University has designated the Associate Provost for Student Affairs, (513) 244-4393, as the individual responsible for responding to inquiries, issues, or complaints regarding compliance with its responsibilities under Section 504 of the Rehabilitation Act of 1973. 09-WQ-002903