



CHEMISTRY

Chemistry majors develop skills in critical thinking, laboratory techniques, and the clear expression of ideas. Chemistry is a great choice if you are planning a career in the chemical industry or if you intend to pursue graduate studies in business, education, or the health sciences.

\$5,000

SCHMIDLAPP SCHOLARSHIP

Open to incoming freshmen majoring in biology, chemistry, computer science, or math. Based on academic talent and location. The deadline to apply is January 31. Download an application at msj.edu/aid-forms.

98.9%

CAREER OUTCOMES RATE

98.9 percent of School of Art & Sciences graduates were successfully employed, enrolled in graduate studies, or volunteering within six months of graduation.

HANDS-ON EXPERIENCE

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Under the guidance of faculty, Chemistry students participate in research. Students have the opportunity to present their work at regional professional meetings. Cooperative education provides real-world experience in industrial settings or research labs in Greater Cincinnati, often leading to full-time positions for our students.



FURTHER YOUR EDUCATION

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 CHEMISTRY

DOCTOR

FORENSIC
SCIENTIST

LAB TECHNICIAN

PHARMACIST

PHYSICIAN
ASSISTANT

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
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CHEMISTRY MAJOR - BACHELOR OF SCIENCE

FIRST YEAR-SEMESTER #1	FIRST YEAR- SEMESTER #2	UNIVERSITY CORE
BIO 111 Principles of Biology I 4	CHE 112 General Chemistry II 3	COMMON GOOD
BIO 111A Prin. of Biology I Lab 0	CHE 112A Gen. Chem II Lab 1	CORE 115 Common Ground Code COR
BIO 111R Prin. of Bio I Recitation 0	CHE 112R Gen. Chem. I Rec 0	Justice & the Common Good Code JCG
CHE 111 General Chemistry I 3	BNS 100 Introductory Seminar 1	Ethics Code CE
CHE 111A Gen. Chem. I Lab 1	COM 100/ ENG 101 3	Experiential Learning Code EXP
CHE 111R Gen. Chem. I Rec 0	SOC 103 Our Social World 3	Core Capstone Code CCP
CORE 115 Common Ground 3	Core requirement 3	HUMANITIES
COM/ENG 101 3		Speech (COM 100) Code C
FYE First Year Experience 1		Writing (ENG 101) Code C
SECOND YEAR-SEMESTER #1	SECOND YEAR-SEMESTER #2	Literature (ENG) Code CL
CHE 211 Organic Chemistry I 3	CHE 212 Organic Chemistry II 3	Art or Music Code CAM
CHE 211A Organic Chem I Lab 1	CHE 212A Organic Chem II Lab 1	History Code CH
PHY 201 General Physics I 3	BNS 200 Intermediate Seminar 1	Religious Studies Code CR
PHY 201A Gen. Physics I Lab 1	PHY 202 General Physics II 3	Philosophy Code CP
MTH 193 Calculus I 4	PHY 202A Gen. Physics II Lab 1	SCIENCES
CED 220 Found of Professionalism I	MTH 194 Calculus II 4	Biology/Chemistry/Physics + Lab Code CN
Core requirement 3	Core requirement 3	Mathematics Code CMA
THIRD YEAR-SEMESTER #1	THIRD YEAR-SEMESTER #2	SOC 103 Our Social World Code CS
CHE 325 Biochemistry I 3	CHE 360 Intermed. Inorg. Chem 3	Choose one discipline:
CHE 325A Biochemistry I Lab 1	CHE 360A Int Inorganic Lab 1	ECO 212 Microeconomics Code CEP
CHE 350 Physical Chemistry I 3	CHE 355 Physical Chem. II 3	PSY 103 Psychology Code CEP
CHE 350A Phys. Chem I Lab 1	CHE 355A Phys. Chem II Lab 1	
Biology Cognate + Lab 4	Biology Cognate + Lab 4	NOTES
Core requirement 3	Core requirement 3	Prerequisites:
FOURTH YEAR-SEMESTER #1	FOURTH YEAR-SEMESTER #2	Chemistry- College preparatory high school chemistry or the successful completion of a placement test
CHE 314 Inter. Analytical Chem 3	CHE 315 Instrumental Analysis 3	Math- Three years of college preparatory high school mathematics including functions
CHE 314A Int. Analytic Chem Lab 1	CHE 315A Instrum. Analysis Lab 1	120 credit hours minimum needed to graduate
CHE 390 Research Probs in Chem 1	BNS 300 Advanced Seminar 1	*Students must have an appropriate math placement before enrolling in MTH 193 and CHE 111
Core requirement 3	Core Capstone 3	**Curriculum Guide does not replace advising by a faculty member within the Chemistry program**
Core requirement 3	Core requirement 3	
Core requirement 3	Elective 3	

Approved by EJ on 06.12.2026



**MOUNT ST. JOSEPH
UNIVERSITY®**

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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 Academic Affairs, (513) 244-4614, as the individual responsible for responding for addressing formal complaints regarding compliance with its responsibilities under Section 504 of the Rehabilitation Act of 1973. 09-WO-003075