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.



SCAN TO FIND:

Featured courses.

Program
requirements
and more!



BEYOND THE CLASSROOM

HANDS-ON EXPERIENCE

Under the guidance of faculty, Chemistry students participate in research. Many research students are co-authors on published chemistry

research papers while others present their work at regional professional meetings. Cooperative education provides realworld experience in industrial settings or research labs in Greater Cincinnati, often leading to full-time positions for our students.

FURTHER YOUR EDUCATION

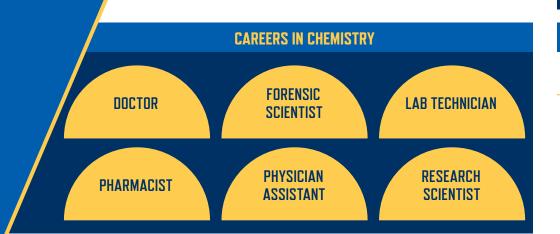
Students interested in preparing for a career in health care at the graduate level are encouraged to contact the Health Professions Advising Committee (*hpac@msj.edu*).



\$5,000

SCHMIDLAPP SCHOLARSHIP

Open to women 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 www.msj.edu/aid-forms.



ALUMNI SUCCESS

CAREER OUTCOMES RATE

100% of 2022 School of Behavioral & Natural Sciences graduates were successfully employed, enrolled in graduate studies, or volunteering within six months of graduation. The knowledge rate for this survey was 74%.

MOUNT ST. JOSEPH UNIVERSITY® SCHOOL OF BEHAVIORAL & NATURAL SCIENCES

Office of Admission 513-244-4531 | 800-654-9314 www.msj.edu | admission@msj.edu Eric Johnson, Ph.D. Professor and Chair Department of Chemistry and Biochemistry eric.johnson@msj.edu

CHEMISTRY MAJOR - BACHELOR OF SCIENCE

FIRST YEAR-SEMESTER	<u>#1</u>	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	
CHE 111 General Chemistry I	3	MTH 194 Calculus II	4	Justice & the Common Good	Code JCG	
CHE 111A Gen. Chem. I Lab	1	COM 100/ ENG 101	3	Ethics	Code CE	
MTH 193 Calculus I	4	SOC 103	3	Experiential Learning	Code EXP	
CORE 115	3	Core requirement	3	Core Capstone	Code CCP	
				HUMANITIES		
SECOND YEAR-SEMESTER #1		SECOND YEAR-SEMESTE	<u>R #2</u>	Speech (COM 100)	Code C	
CHE 211 Organic Chemistry I	3	CHE 212 Organic Chemistry II	3	Writing (ENG 101)	Code C	
CHE 211A Org. Chem I Lab	1	CHE 212A Org. Chem II Lab	1	Literature (ENG)	Code CL	
PHY 201 General Physics I	3	CHE 200 Chem. Soph. Seminar	1	Art or Music	Code CAM	
PHY 201A Gen. Physics I Lab	1	PHY 202 General Physics II	3	History	Code CH	
CED 220 Foundations of		PHY 202A Gen. Physics II Lab	1	Religious Studies	Code CR	
Professionalism	1	Core requirement	3	Philosophy	Code CP	
COM 100/ENG 101	3	Core requirement	3	SCIENCES		
Core requirement 3				Biology/Chemistry/Physics + Lab Code CN		
				Mathematics	Code CMA	
THIRD YEAR-SEMESTER		THIRD YEAR-SEMESTER	#2	SOC 103 Our Social World	Code CS	
CHE 314 Inter. Analytical Chem	3	CHE 315 Instrumental Analysis 3				
CHE 314A Inter. Analytical		CHE 315A Instrum. Analysis Lab		Choose one disciplin	ne:	
Chem Lab	1	CHE 360 Intermed. Inorg. Chem	3	ECO 212 Microeconomics	Code CEP	
CHE 325 Biochemistry I	3	CHE 360A Int Inorganic Lab	1	PSY 103 Psychology	Code CEP	
CHE 325A Biochem. I Lab	1	CHE 300 Chem. Junior Seminar	1	NOTES		
Core requirement	3	Core requirement	3	<u>NOTES</u>		
Core requirement	3	Core requirement	3	Prerequisites:		
Elective	3			Chemistry- College preparatory	y high school	
				chemistry or the successful completion of a		
FOURTH YEAR-SEMESTER #1		FOURTH YEAR-SEMESTER #2		placement test.		
CHE 350 Physical Chemistry I 3		CHE 355 Physical Chem. II 3		Math- Three years of college preparatory		
CHE 350A Phys. Chem I Lab	1	CHE 355A Phys. Chem II Lab	1	high school mathematics including		
Major Expanded Knowledge	4	CHE 400 Chem. Seminar &	_	functions.	-	
Elective	3	Capstone	1			
Elective	3	Core Capstone	3	120 credits hours minimum nee	eded to	
Elective	3	Elective	3	graduate.		
		Elective	3			
				*Students must have an appropriate math		
				placement before enrolling in MTH 193 and		
				CHE 111.		
		**Curricu		**Curriculum Guide does not r	ulum Guide does not replace	
				advising by a faculty member within the		
				Chemistry program.**		
		1		l		

Updated_05.21.20



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.

Ondesity's attletic programs and one on early administered programs, services, and secured Coursel/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 to addressing formal complaints regarding compliance with its responsibilities under Section 504 of the Rehabilitation Act of 1973. 09-WO-002425/23/550