CHEMISTRY

Obtaining a major in Chemistry will prepare you for a variety of inspiring and transformative career opportunities. Students graduating with a BS in chemistry have numerous career options available to them. Our alumni work as chemists in many small companies throughout the region as well as in Fortune 500 companies and municipality and government positions.

PROGRAMS



DEGREES AND CERTIFICATES

- Bachelor of Science in Chemistry
- Bachelor of Arts in Chemistry
- Bachelor of Science in Chemistry Teaching
- Minor in Chemistry
- Bachelor of Science in Biochemistry
- Bachelor of Arts in Biochemistry

ABOUT THE PROGRAM

The Department of Biochemistry, Chemistry and Geology offers B.A. and B.S. degrees in biochemistry, a B.T. degree in Chemistry Teaching, and B.A. and B.S. degrees in chemistry, as well as a B.S. degree in chemistry certified by the American Chemical Society.

REAL-WORLD CONNECTIONS



SKILLS AND TALENTS

- Chemistry
- Data Analysis
- Research Skills
- Statistical Analysis
- Laboratory Procedures
- Problem-Solving

CAREERS

- Chemist
- Lab Technician/Scientist
- Medical Doctor
- Quality Control
- Research and Development
- Pharmacists

EMPLOYERS

- 3M
- Cargill
- Mayo Clinic
- Minnesota Valley Testing Laboratory
- Sherwin Williams
- Abbott

INSPIRED ACTION



EMPLOYMENT RATE

95.5%

of program graduates begin their careers within one year of graduation.

Graduates: 34 Respondents: 27 link.mnsu.edu/graduate-follow-up

MEDIAN SALARY

\$87,180

The median annual wage for Chemists and Materials Scientists in May 2023.

Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, Chemists and Materials Scientists, at <u>link.mnsu.edu/chemistry-salary</u>

PROGRAM WEBSITE



cset.mnsu.edu/chemistry



SAMPLE FOUR-YEAR PLAN - CHEMISTRY, BS - ACS APPROVED

First Year (Fall)	First Year (Spring)		
MATH 121 Calculus I (4) CHEM 201 General Chemistry I (5) General Education Course (3) General Education Course (3)	MATH 122 Calculus II (4) CHEM 202 General Chemistry II (5) General Education Course (4) General Education Course (3)		
Second Year (Fall)	Second Year (Spring)		
PHYS 211 Principles of Physics I (4) CHEM 305 Analytical Chemistry (4) CHEM 322 Organic Chemistry I (4) General Elective Course (3)	PHYS 212 Principles of Physics II (4) CHEM 281 Biochemistry and Chemistry Professional Foundations (1) CHEM 324 Organic Chemistry II (3) CHEM 325 Organic Chemistry II Lab (1) General Education Course (3) General Education Course (3)		
Third Year (Fall)	Third Year (Spring)		
CHEM 445 Physical Chemistry I (4) CHEM 450 Physical Chemistry Laboratory I (1) CHEM 481W Inquiry and Writing in Biochemistry and Chemistry (3) General Education Course (3) Other Graduation Requirements Course (4)	CHEM 360 Principles of Biochemistry (4) CHEM 446 Physical Chemistry II (3) CHEM 451 Physical Chemistry Laboratory II (1) General Education Course (4) General Elective Course (3)		
Fourth Year (Fall)	Fourth Year (Spring)		
CHEM 316 Descriptive Inorganic Main Group Chemistry (3) General Education Course (4) General Education Course (3) Elective Course in Major (4)	CHEM 489 Senior Capstone (1) General Education Course (3) Elective Course in Major (4) Elective Course in Major (4) General Elective Course (3)		

For more information about program requirements, visit: mnsu.edu/academics/academic-catalog

LEARN MORE

Department of Biochemistry, Chemistry and Geology 241 Ford Hall 507-389-1963

NOTES		