

# B.A. Chemistry | Major Map

## 2022 GRADUATE CAREER OUTCOMES

Based on information from 89% of graduates

**100%** Secured Employment

**100%** Admitted Into Graduate School or Professional Program

## POPULAR CAREERS

- **Animal Science:** veterinarian, zoologist
- **Education:** teacher, researcher, public health
- **Health Care:** physician, dentist, medical lab scientist, pharmacist, genetic counselor
- **Legislation/Law:** lobbyist, policy analyst, environmental lawyer, patent lawyer, non-profit administrator
- **Research & Development:** quality control specialist, environmental scientist, food scientist, research chemist, technical writer, grant writer

## POPULAR EMPLOYERS

Hospitals & medical centers, private research labs, airlines, government agencies, U.S. Department of Energy, consulting firms, mining companies, public health departments, safety & inspection services, food & feed industries, school districts, armed services

## SIGNATURE EXPERIENCES

- **Internships**
  - Antimicrobial Materials, Inc.
  - Biomedical Research Infrastructure Network
  - Cardiovascular Research Institute
  - EROS Data Center
  - Hemetech
  - SAB Biotherapeutics
  - Sioux Falls Water Treatment
  - POET
  - OmegaQuant
  - Research Opportunities
  - Avera Health
  - South Dakota BRIN
  - Sanford Health
  - South Dakota EPSCoR
  - VA Medical Center
- **Study Away**
  - Browse the list of current offerings at [augie.edu/StudyAwayPortal](http://augie.edu/StudyAwayPortal), and contact the IPO to discover opportunities related to your vocational goals.



## WHY STUDY CHEMISTRY?

The chemistry department seeks to provide opportunities to pursue a versatile and individualized exploration of chemistry. Our aim is to have a program that is thorough, rigorous and provides a comprehensive foundation for students who plan to pursue graduate school or careers in secondary education, medicine, dentistry, medical technology, industry and other related fields. Two of the chemistry and biochemistry department program tracks are approved by the American Chemistry Society (ACS). Chemistry majors with an interest in physics or chemical engineering may wish to consider a chemical physics major.

## FIRST YEAR

## MIDDLE YEAR(S)

## LAST YEAR

### EXCEL ACADEMICALLY

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| <ul style="list-style-type: none"><li>• Review SOPHIA and program requirements with your academic advisor.</li><li>• Review your degree audit report, and create a plan of study in Academic Planner.</li><li>• Enroll in CHEM 116 or CHEM 120: Accelerated General Chemistry, FYS 110, MATH 151, CHEM 201 and MATH 152.</li><li>• Participate in FYS 112 to confirm your major, hear from upper-level students about signature experiences and chart a personalized plan for your engagement.</li><li>• Choose or confirm your major(s) or minor(s).</li><li>• Volunteer at Sanford or Avera Health.</li></ul> | <ul style="list-style-type: none"><li>• Explore interdisciplinary minors or elective credits that interest you.</li><li>• Contact the Success Center to declare any second majors or minors.</li><li>• Engage in research and present your work at the annual research symposium.</li><li>• Consider patient care opportunities.</li><li>• Enroll in required courses such as CHEM 202, 242, 222, 301 and 305, as well as elective courses at the 300 level.</li><li>• If pursuing the ACS track, enroll in PHYS 221 &amp; 222 and CHEM 302.</li></ul> | <ul style="list-style-type: none"><li>• Apply to graduate no later than Oct. 1, and review the degree audit provided by the Registrar's Office.</li><li>• Continue to gain experience and serve the community (e.g., research, patient care).</li><li>• Complete your 300-level electives.</li></ul> |
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### ENGAGE & APPLY YOUR LEARNING

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| <ul style="list-style-type: none"><li>• Access your Viking Central account. Participate in campus clubs and organizations such as the Student Members of the American Chemical Society (SMACS), Society of Physics Students, Women in STEM and Augie Green.</li><li>• Explore study-away opportunities at the study-away fairs.</li><li>• Create an account in Augie Opportunities.</li></ul> | <ul style="list-style-type: none"><li>• Go to the Sophomore Retreat.</li><li>• Engage in campus leadership, internships, service, study away and relevant summer employment.</li><li>• Participate in the alumni mentor program.</li><li>• Consider elite scholarship opportunities, such as the Fulbright, Rhodes or Truman.</li><li>• Earn the Diversity Advocate Certificate.</li><li>• Apply for Knight Internship Funds and ASA transportation funds. Pursue elite fellowships.</li></ul> | <ul style="list-style-type: none"><li>• Take standardized exams (e.g., GRE, DAT, MCAT, OAT), and share your application to graduate or professional schools with your advisor and CAP specialist for feedback.</li><li>• Attend the BIG (Business, Industry and Government) Career &amp; Internship Fair.</li><li>• Continue to connect with alumni.</li><li>• Participate in mock interviews and networking events.</li><li>• Complete the career outcome survey to update us of your employment or enrollment in graduate school.</li><li>• Join the Augustana alumni community.</li></ul> |
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**CHART YOUR COURSE TODAY!**

Ann Kolbrek, CAP specialist  
Student Success Center, EMC, Suite 100  
605.274.4127 | [ann.kolbrek@augie.edu](mailto:ann.kolbrek@augie.edu)

Chemistry & Biochemistry Department  
Froiland Science Complex | 605.274.4711