B.A. Biochemistry | Major Map

CAREER OUTCOMES FROM 2019
Based on information from 100% of graduates

- 100% Secured Employment
- 100% Admitted into Graduate or Professional School

SIGNATURE EXPERIENCES

- Internships
  - EROS Data Center
  - National Science Foundation
  - Northern Plains Undergraduate Research Center
  - Sioux Falls Water Treatment
  - POET
  - Biomedical Research Infrastructure Network

- Research Opportunities
  - Biotechnology Associations
  - South Dakota BRIN
  - South Dakota EPSCoR
  - Sanford Program for Undergraduate Research (SPUR)

- Study Away
  - AU Faculty-Led: From the Gulf Coast to the Florida Keys: Introduction to Marine Biology
  - AU Faculty-Led: Kenya Elimu na Kilimo: Glimpses at the Intersection of Global Food Security and Education
  - AU Faculty-Led: Tropical Ecology of Guatemala, Belize and Spanish Immersion
  - AU Faculty-Led: The Chemical Industry in Germany

POSSIBLE DESTINATIONS OF GRADUATES
Augustana’s broad-based curriculum prepares you for diverse occupations and changing labor markets.

POPULAR CAREERS
- Education: teacher, researcher, public health
- Health Care: physician, dentist, medical lab scientist, pharmacist, physician assistant
- Research & Development: biochemist, biological technician, food scientist, scientific journalist, scientific illustrator, biophysicist, medical and clinical laboratory technologist, molecular and cellular biologist, biomedical engineer, environmental scientist, forensic science technician

POPULAR EMPLOYERS
Government, safety & inspection service, private research labs & organizations, public health departments, hospital laboratories, commercial medical laboratories, universities & colleges, school districts, rehabilitation centers, correctional facilities

WHY STUDY BIOCHEMISTRY?
This major is designed to provide the student with cross-disciplinary experiences across much of the natural sciences — chemistry, biology, physics and mathematics. The intention is to provide graduates with the ability to readily integrate these disciplines and to provide the tools necessary to break boundaries in scientific exploration. Students in this rigorous, interdisciplinary major are precluded from declaring majors in either chemistry or biology, which will allow a greater capacity to take classes outside of the natural sciences. The major is a chemistry degree with a biochemistry emphasis and is American Chemical Society (ACS) approved.
**B.A. Biochemistry | Major Map**

**EXCEL ACADEMICALLY**

<table>
<thead>
<tr>
<th>FIRST YEAR</th>
<th>MIDDLE YEAR(S)</th>
<th>LAST YEAR</th>
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<tbody>
<tr>
<td>- Review SOPHIA and program requirements with your academic advisor.</td>
<td>- Explore interdisciplinary minors or elective credits that interest you.</td>
<td>- Apply to graduate no later than Oct. 1 and review the degree audit provided by the Registrar’s Office.</td>
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<tr>
<td>- Review your degree audit report and create a plan of study in Academic Planner.</td>
<td>- Contact the Success Center to declare any second majors or minors.</td>
<td>- Continue to gain experience and serve the community (e.g., research, patient care).</td>
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<tr>
<td>- Enroll in BIO 120, CHEM 116 or CHEM 120, MATH 151 and 152 and CHEM 201.</td>
<td>- Engage in research and present your work at the annual research symposium.</td>
<td>- Complete your 300-level CHEM electives.</td>
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<td>- Participate in FYS 112 to confirm your major, hear from alumni in your chosen field and chart a personalized plan for your engagement.</td>
<td>- Consider patient care opportunities.</td>
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<tr>
<td>- Choose or confirm your major(s) or minor(s).</td>
<td>- Enroll in courses such as BIOL 233, CHEM 202, PHYS 221, CHEM 222, CHEM 242, BIOL 234, PHYS 222 and 300-level electives.</td>
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<td>- Volunteer at Sanford or Avera Health.</td>
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**ENGAGE & APPLY YOUR LEARNING**

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<td>- Access your Viking Central account. Participate in campus clubs and organizations such as Student Members of the American Chemical Society, Biology Club, Women in STEM, Pre-Medicine Club or Society of Physics Students.</td>
<td>- Attend the Experience Expo.</td>
<td>- Take standardized exams (e.g., GRE, DAT, MCAT, OAT) and share your application to graduate or professional school with your advisor and CAP specialist for feedback.</td>
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<td>- Explore study-away opportunities in Studio Abroad.</td>
<td>- Go to the Sophomore Retreat.</td>
<td>- Attend the BIG (Business, Industry and Government) Career &amp; Internship Fair.</td>
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<td>- Create an account in Augie Opportunities.</td>
<td>- Engage in campus leadership, internships, service and relevant summer employment.</td>
<td>- Continue to connect with alumni.</td>
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<td>- Participate in the alumni mentor program.</td>
<td>- Participate in mock interviews and networking events.</td>
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<td>- Consider elite scholarship opportunities, such as the Fulbright, Rhodes or Truman.</td>
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<td>- Earn the Diversity Advocate certificate.</td>
<td>- Complete the career outcome survey to update us of your employment or enrollment in graduate school.</td>
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<td></td>
<td>- Apply for Knight Internship Funds, ASA transportation funds or other experiential scholarships.</td>
<td>- Join the Augustana alumni community.</td>
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**CHART YOUR COURSE TODAY!**

Ann Kolbrek, CAP Specialist  
Student Success Center, EMC, Suite 100  
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Chemistry & Biochemistry Department  
Froiland Science Center | 605.274.4815