B.A. Data Science | Major Map

2022 GRADUATE CAREER OUTCOMES

Based on information from 86% of graduates

100% Secured Employment

100% Admitted Into Graduate School or Professional Program
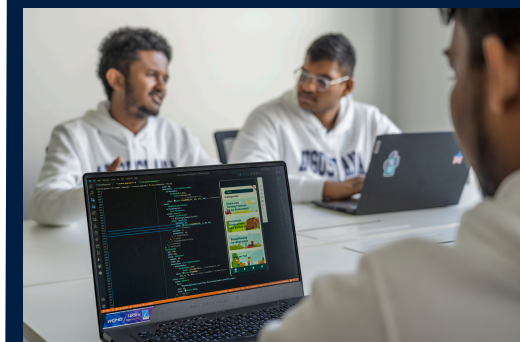
POPULAR CAREERS

- **Data:** data scientist, data analyst, data engineer, data mining specialist, database architect
- **Science & Research:** survey researchers, bioinformatics scientist, analyst, statistician, machine learning engineer
- **Analyst:** business, marketing
- **Database:** administrator, developer

POPULAR EMPLOYERS

Government agencies, insurance companies, hospitals & medical centers, research institutes, communication companies, financial institutions

SIGNATURE EXPERIENCES

- **Campus Leadership**
    - Women in STEM
    - Hult Prize at Augustana
    - Computer Science Club

- **Internships**
    - AWS DataSync
    - Billion Auto
    - Citibank
    - First PREMIER Bank
    - NASA
    - POET
    - Raven Industries
    - Securian Financial
    - Avera Health
    - Sanford Health
    - Sammons Financial Group

- **Study Away**
    - Browse the list of current offerings at **augie.eduStudyAwayPortal**, and contact the IPO to discover opportunities related to your vocational goals.

WHY STUDY DATA SCIENCE?

While data science resides at the intersection of the technical fields of computer science, mathematics and statistics, domain knowledge in an applied area of study is an essential component for the practicing professional. If data science is the process of extracting meaning from data, we need to know what meaning is. The technical courses provide the tools to work with data and create models from the data. The domain knowledge courses help one to understand what it is we are looking at — the meaning. What do our results give us and are they meaningful? Augustana's liberal arts environment provides an excellent opportunity to combine the technical field of data science with other fields of study in the natural sciences, social sciences and humanities.

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AU AUGUSTANA UNIVERSITY

FIRST YEAR	MIDDLE YEAR(S)	LAST YEAR

EXCEL ACADEMICALLY

FIRST YEAR	MIDDLE YEAR(S)	LAST YEAR
• Review SOPHIA and program requirements with your academic advisor. • Review your degree audit report, and create a plan of study in Academic Planner. • Enroll in COSC 210 & 211 and MATH 151 & 152. • Participate in FYS 112 to confirm your major, hear from upper-level students about signature experiences and chart a personalized plan for your engagement. • Choose or confirm your major(s) or minor(s).	• Explore interdisciplinary minors or elective credits that interest you. • Contact the Student Success Center to declare any second majors or minors. • Engage in data analytics and visualization in COSC 322. • Enroll in COSC 212: Introduction to Data Science. • Enroll in COSC 316 and MATH 327 as a junior.	• Apply to graduate by Oct. 1, and review the degree audit provided by the Registrar's Office. • Complete your application domain courses in one of the following disciplines: biology, business administration, computer science or mathematics.

ENGAGE & APPLY YOUR LEARNING

FIRST YEAR	MIDDLE YEAR(S)	LAST YEAR
• Access your Viking Central account. Participate in service learning and campus organizations, such as the Math Club and Computer Science Club. • Explore study-away opportunities at the study-away fairs. • Create an account in Augie Opportunities.	• Attend the Sophomore Retreat. • Engage in campus activities and relevant summer employment. • Participate in the alumni mentor program. • Consider elite scholarship opportunities, such as the Fulbright, Rhodes or Truman. • Earn the Diversity Advocate Certificate. • Apply for Knight Internship Funds and ASA transportation funds. Pursue elite fellowships.	• 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. • Attend the BIG (Business, Industry and Government) Career & Internship Fair. • Continue to connect with alumni. • Participate in mock interviews and networking events. • Complete the career outcome survey to update us of your employment or enrollment in graduate school. • Join the Augustana alumni community.

CHART YOUR COURSE TODAY!

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Computer Science Department
Froiland Science Complex | 605.274.4711