B.A. Computer Science & Software Engineering | Major Map

2022 GRADUATE CAREER OUTCOMES

Based on information from 85% of graduates

100% Secured Employment

100% Admitted Into Graduate School or Professional Program

POPULAR CAREERS

- **Software Engineering/Developing:** operating systems, application systems, maintenance, research & development
- **Systems Analyst:** planning/analysis, design, building coding, integration/testing
- **Network Technology:** network security, development, support
- **Database Administration:** archiving/security, systems integration, upgrading, management, analytics, bib data
- **Internet:** programming, software design, web design
- **Education:** teaching, research, technological instruction
- **Technical Sales:** customer/product, sales marketing

POPULAR EMPLOYERS

Financial firms, hardware & software manufacturers, school districts, technical service providers, telecommunications, government agencies, colleges & universities, consulting firms, system developers, Internet Exchange Points (IXPs), technology firms

SIGNATURE EXPERIENCES

- **Campus Leadership**
  - Women in STEM
  - Hult Prize at Augustana
  - Computer Science Club
- **Internships**
  - Apple
  - Google
  - Billion Auto
  - Citibank
  - AWS DataSync
  - EROS Data Center
  - First PREMIER Bank
  - NASA
  - POET
  - Raven Industries
  - Avera Health
  - Sanford Health
  - Securian Financial
- **Study Away**
  - Browse the list of current offerings at **augie.edu/StudyAwayPortal**, and contact the IPO to discover opportunities related to your vocational goals.

WHY STUDY COMPUTER SCIENCE?

The goal of the computer science department is to offer up-to-date, quality instruction to support careers in business, science and industry, and to provide a strong foundation for graduate study. To support these goals, a curriculum has been developed which provides coherent, broad-based coverage of the computing discipline; prepares students to apply their knowledge to solving constrained problems, which includes the ability to define a problem clearly, to specify, design, implement, test, modify, document solutions and work within a team environment throughout the problem solving process; offers sufficient exposure to the rich body of theory that underlies the field of computing; and makes available an environment in which students are exposed to the ethical and social issues associated with the computing field.

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AUGUSTANA UNIVERSITY

FIRST YEAR	MIDDLE YEAR(S)	LAST YEAR
EXCEL ACADEMICALLY		
• 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 (fall semester) & 211 (spring semester) and MATH 151. • 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. • Enroll in COSC 235 & 260. • Consider enrolling in COSC 310, 330 & 350. • Contact the Student Success Center to declare any second majors or minors. • Participate in coding competitions.	• Apply to graduate by Oct. 1, and review the degree audit provided by the Registrar's Office. • Engage in project development in COSC 350. • Begin your search for employment after graduation.
ENGAGE & APPLY YOUR LEARNING		
• Access your Viking Central account. Participate in service learning and campus organizations such as the Math Club, Computer Science Club or Union Board of Governors (UBG). • Explore study-away opportunities at the study-away fairs. • Create an account in Augie Opportunities.	• Attend the Sophomore Retreat. • Engage in 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.	• During the summer, take standardized exams (e.g., GRE), and share your application to graduate or professional schools with your advisor and CAP specialist for feedback. • Attend the BIG (Business, Industry & Government) and Teacher Job Fairs. • 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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