Computer Science B.S.

Major

Bachelor of Science

Computer Science

Swenson College of Science and Engineering

The BS in computer science is an accredited, four-year program that provides a solid foundation in mathematics and statistics, computational problem solving, software design and analysis, programming languages, algorithms, data structures, and computer organization and architecture. The program also requires that students acquire significant knowledge in several sub-disciplines of computer science, thus enabling them to apply and situate their knowledge of computer science fundamentals.

Why UMD

- Active learning environment
- Access to state-of-the–art instrumentation
- Focus on undergraduate teaching and research

Acquired Skills

- Highly developed programming skills
- Ability to communicate effectively
- Understanding of the context in which computing activities occur

Career Possibilities

A bachelor's degree in computer science positions students for careers in Software development, Software engineering, Software architecture, Systems analysis, Network administration, Database management systems, And many more fields. UMD graduates in computer science are currently working for a diverse array of organizations, from small software engineering companies in Duluth and high-tech corporations in the Twin Cities to international leaders such as Google, Amazon, and Microsoft.

Scholarships

We offer a variety of scholarships to many of the computer science students. They are all hosted by the Swenson College on one simple application.

Student Clubs

We have multiple computer science clubs on campus. The Association for Computing Machinery (ACM) Club is a professional membership group that explores the realm of technology.

Robotics at UMD is a club devoted to inspiring students in science and technology, from building and flying model aircraft to competing in national level battlebot competitions. The Software Development Club at UMD (DEV Club) works on a project where sharing knowledge across the collective languages of the groups membership.

Many of our students also participate in the Women in Computing and/or the Women in Engineering & Sciences. The Women in Computing club is focused on students networking with fellow women interested in computer science research and consider taking part in regional competitions where students can showcase their work. Women in Engineering and Science (WES) focuses on doing fun things with other women.
interested in the sciences.

**Graduate Report**

Recent UMD Graduates Job Placement Data & Employers

Here's a sampling of positions Computer Science B.S. grads have attained six months to one year after graduation.

- Technical Analyst, Boom Lab, Minneapolis, MN
- Electronic Data Interchange Systems Analyst, C.H. Robinson, Eden Prairie, MN
- Quality Assurance Analyst, Code42, Minneapolis, MN
- Associate Software Consultant, Fishbowl Solutions, St. Louis Park, MN
- Java Developer, Optum, Eden Prairie, MN
- Associate Software Engineer, PeopleNet, Minnetonka, MN
- Programmer, Saturn Systems Software Engineering, Duluth, MN
- Application Developer, Securian Financial Group, St. Paul, MN
- Software Engine, Target Corporate, Minneapolis, MN
- Software Developer, Thomson Reuters, Eagan, MN
- Graduate School, Computer Science, Florida Atlantic University, Boca Raton

For more data see the [Computer Science B.S. Graduate Follow-Up Report](http://d.umn.edu/career-internship-services/choosing-major/what-are-recent-grads-doing/graduate-follow-major/computer-science) [5].

For ideas about Computer Science B.S. and other majors visit [Career & Internship Services](http://d.umn.edu/career-internship-services/choosing-major) [6].

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**Links**