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
ingengineering, 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 whole 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 Engineer, 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**
[1] https://academics.d.umn.edu/admissions/program-type-major