Computer Science (M.S.)

Take your problem-solving skills a step further by using the theoretical and practical applications of technology to shape the future.

The fastest route from idea to application in technology today requires expertise in both abstract and practical thinking. With this graduate program, you’ll gain a well-rounded skillset that can help you lead the way in overcoming challenges and creating new computing innovations.

Program Snapshot

Program type: Master's Degree
Format: On-campus or online
Est. time to complete: 2 years
Credit hours: 32 (non-thesis option) 30 (thesis option)

Why Earn a Master's Degree in Computer Science from UND?

Understanding both the abstract and practical applications of technology will help you to develop the computer science skills that are sought after in today’s fast-paced world. You’ll better understand underlying theoretical issues along with implementation factors, while using the latest software platforms and systems.

Through this master's degree program in computer science, you'll take in a holistic view of the latest innovations and trends with studies in advanced modeling and simulation, artificial intelligence, algorithms, database systems, software engineering and design, advanced computer graphics, and more. It’s exactly the preparation you need for today’s high-demand tech careers.

Application Deadlines

FALL: AUG. 1
SPRING: DEC. 1

Master's in Computer Science

- Advance your technology skills with a curriculum that encourages a formal, abstract, theoretical and practical approach to the study of computer science.
- Develop creative thinking, problem solving and research skills, along with specialized expertise.
- Gain access to on-campus computing power: two computer labs, a set of diverse servers and a high-performance computing (HPC) system.

Job Opportunities in Computer Science

90%  
Job placement rates are consistently above that level for UND computer science program graduates.

93k  
Average salary for a software engineer with a master's in computer science*

*Payscale.com
UND computer science graduates have gone on to careers all over the world in all types of industries, including high-tech, defense, aviation, financial and more. Our graduates are employed by: Apple, Digi-Key, Fast Enterprises, Google, HGST, Microsoft, Honeywell, Rockwell-Collins, Blue Cross Blue Shield, Goldman Sachs, Deutsche Bank, NASA, Unisys, and Mayo Clinic.

With a master's in computer science, you can be competitive in mid- to high-level opportunities related to computers systems and applications, such as:

- Software Engineer
- Systems Engineer
- Cybersecurity Specialist
- Systems Integration Engineer
- Computer Scientist
- Network Analyst