

COMPUTER SCIENCE

Major | On-Campus and Online Delivery

Math and Computer Sciences Department

UW-Superior's Department of Mathematics and Computer Science equips students with a combination of analytical and technical skills through majors and minors in computer science, mathematics, and mathematics education. The department's faculty are accomplished mathematicians and computer science professionals, many of whose research has been published in peer-reviewed journals. Throughout their coursework, students have the opportunity to learn fundamentals, engage in advanced courses and explore special interests. Students benefit from learning in a small, supportive environment with the guidance of instructors who take an interest in their success.

Program

Studying computer science prepares students for a variety of opportunities in our technology-driven world. Instructors in the program pursue advanced study in embedded programming and software development, bringing the latest knowledge to their classroom. Students learn the architecture of ARM microcontrollers and programming skills that are the building blocks of many tech-related careers. Students will understand the principles of computer science and have practical experience in applying that knowledge to real-world scenarios.

Students majoring in computer science have the opportunity to:

- Receive paid work related to their field of study
- Participate in national competitions and conferences
- Work in small classes with the latest technology
- Take capstone courses that provide real-world experience with local businesses and organizations



What You'll Learn

A major in computer science provides students with problem-solving skills, logical reasoning and a knowledge of technology and systems needed to prepare them for a career or graduate studies. Core department courses cover programming languages, data structures, and mathematics, the fundamentals for developing and maintaining complex technological systems. Students will conclude their degree with their choice of courses on computational theory, design and security.

Data Science and Analytics

Data science and analytics is an area of promising job growth. Organizations need employees who can interpret and translate meaning from vast data sets. The following careers are on the U.S. Bureau of Labor Statistics list of 20 Fastest Growing Occupations (based on percent change of employment between 2022-2032).

- Data scientists
- Computer and information research scientists
- Operations research analysts
- Software developers
- Security analysts

continued ▶

“I have had a great experience with UW-Superior's Mathematics and Computer Science Department and have enjoyed working with professional and knowledgeable professors, such as Dr. Sergei Bezrukov. I am grateful for the invaluable skills and insights I've gained that have given me the confidence to launch my career in the computer science field.”

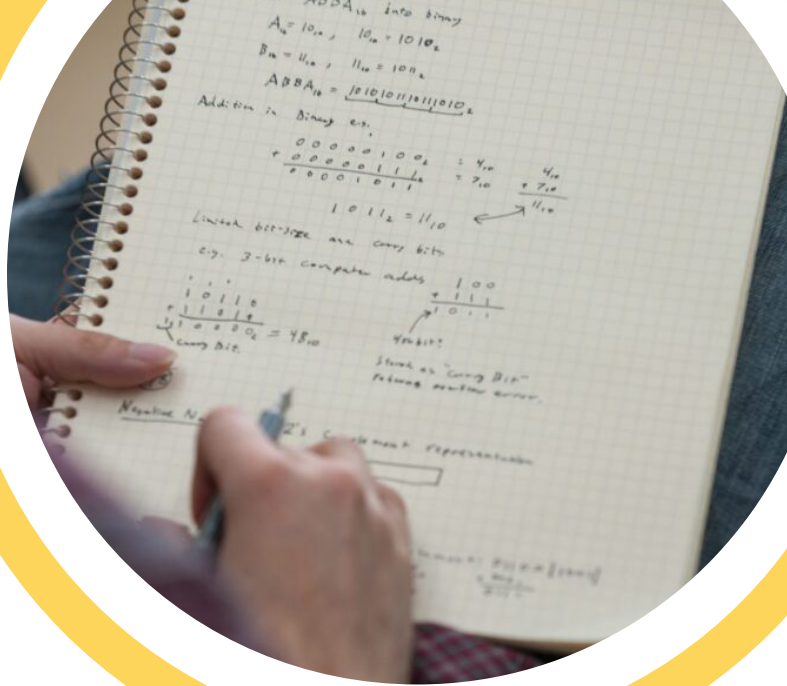
- Aik (Hayk) Arzumanyan | Computer Science and Mathematics

For questions or to arrange a tour, contact admissions | 715-394-8230

More information at uwsuper.edu/computerscience

Program

Computer scientists have opportunities to specialize in a variety of areas. Software solutions impact several aspects of daily life and software developers are needed to create, design and maintain programs that produce functional tools. Security and infrastructure are important to both the public and private sectors and require skilled individuals to assess and design secure IT systems.



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