

Computer Science Department (CS)

College of Science and Health

Department Chair: Steven Senger

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You don't have to be an expert with computers to be a computer science major! However, if you are a logical thinker and like to solve problems this may be the major for you. The curriculum for a computer science major at UW-La Crosse is both exciting and demanding. What will you do with the knowledge you've learned? You will become a world class problem solver. After learning the fundamental material in computer software, hardware and the theory of computing, you will be finding ways to make life better for people. Software is an integral part of our society in both visible and invisible ways. Take a look at some of the modern conveniences of our life; cell phones, video games, medical imaging systems, automobiles and Internet of Things devices. All of these involve sophisticated software. There is very little of modern society that remains untouched by computer science.

With that said, we think there is no better place to pursue your degree than UW-La Crosse. Small class sizes and accessible professors give students a level of attention not available on larger campuses. We have outstanding faculty who have many different interests, but who all share a love for teaching. A history of talented students, great facilities and undergraduate research opportunities, make for an ideal learning environment. The Department of Computer Science at UW-La Crosse is the second oldest in Wisconsin, only behind Madison, and has a fine reputation within the computing industry during the past 50 years.

The job market for computer scientists has always had plenty of opportunities and the demand continues. The National Bureau of Labor Statistics, in its rolling ten-year horizon Occupational Outlook Handbook, consistently projects the software industry to be among the fastest growing sectors of the economy.

Computer Science retroactive credit policy

Students taking CS 220 Software Design II (4 cr.) and earning a "B" or better, will be given retroactive credit for CS 120 Software Design I (4 cr.) provided that the student's transcript shows no record of prior or concurrent enrollment in CS 120 or CS 220.

Computer Science internship policy

Students majoring in computer science who wish to enroll in CEI 450 Cooperative Education/Internship (1-15 cr.) or CEI 475 University-wide Cooperative Education Internship (3-15 cr.), University Internships, must have completed 15 credits of computer science course work, including CS 220, and must have a minimum GPA of 2.50 in computer science courses to be eligible for departmental approval and supervision. Credits earned in internships do not apply to major or minor requirements.

General education writing emphasis

This department incorporates a significant amount of writing through the required courses instead of identifying particular courses as writing emphasis courses. Students who complete a major in this department

will fulfill the general education writing emphasis requirement (<http://catalog.uwlax.edu/undergraduate/generaleducation/#generaleducationrequirementstext>).

2018-19 Faculty/Staff

The following is the department's faculty and staff as of the publication date of this catalog. This list will not be updated again until the next catalog is published in June.

Professor

Kenny Hunt

Kasilingam Periyasamy

Steven Senger

Mao Zheng

Associate Professor

Martin Allen

Thomas Gendreau

Assistant Professor

Samantha Foley

Elliott Forbes

John Maraist

David Mathias

Allison Sauppé

Jason Sauppe

Administrative Support

Becky Yoshizumi

Majors

- Computer science major - BS (<http://catalog.uwlax.edu/undergraduate/computerscience/computersciencebs>)
- Computer science major: computer engineering technology emphasis - BS (<http://catalog.uwlax.edu/undergraduate/computerscience/computersciencemajorcomputerengineeringtechnologyemphasis>)
- Computer science major: embedded systems emphasis - BS (<http://catalog.uwlax.edu/undergraduate/computerscience/computersciencemajoremboddedsystemsemphasis>)
- Computer science education (early adolescence-adolescence certification) - BS (<http://catalog.uwlax.edu/undergraduate/computerscience/computerscienceeducation>)
- Dual degree program in computer science and engineering (<http://catalog.uwlax.edu/undergraduate/computerscience/dualdegreeprogramincomputerscienceandengineering>)
- Dual degree program in computer science and master of software engineering (<http://>)

[catalog.uwlax.edu/undergraduate/computerscience/
dualdegreeprogramincomputerscienceandmasterofsoftwareengineering](http://catalog.uwlax.edu/undergraduate/computerscience/dualdegreeprogramincomputerscienceandmasterofsoftwareengineering))

Minors

- Computer science minor (<http://catalog.uwlax.edu/undergraduate/computerscience/computerscienceminor>)
- Computer science education minor (<http://catalog.uwlax.edu/undergraduate/computerscience/computerscienceeducationminor>)