



MERRIMACK COLLEGE

SCHOOL OF SCIENCE & ENGINEERING

COMPUTER SCIENCE



Computer Science (CS) permeates nearly every other area of investigation and study; computer scientists apply computational tools toward the understanding of everything from stars in the sky to the composition of music. Merrimack's Computer Science major focuses on theory, algorithms and implementation of computing concepts. Our curriculum is based on the recommendations of leading Computer Science professionals and our program provides strong coverage of current technology, together with a strong liberal arts foundation that will help you effectively communicate within an organization.

ENGAGING COURSEWORK

A dynamic curriculum builds strong practical knowledge from introductory classes to specialized coursework.

Courses include a combination of computer science and mathematics classes. A sample of topics included in the CS degree include:

Programming Courses in C++, Java, and RISC, Data Structures, Analysis of Algorithms, Computer Architecture, Operating Systems, Programming Languages, Software Engineering, and Electives such as Networking, Network Security, and Computer Graphics.

REWARDING CAREER PATHS

Career Paths include:

- **Internet Applications** – Web Page Designers/Developers, Database Administrators for e-commerce, search engines, social networking, Network Specialists that handle Internet and Web traffic
- **Scientific Research** – Database Developers/Administrators for Human Genome projects, Network Administrators for medical imaging and high-tech hospital equipment
- **Entertainment** – iPod/media device Engineers, Database Administrators for Sports Teams, Network Administrators
- **Government** – Robotic Engineers, Signal Processing Engineers
- **Gaming** – Game Programmers, Game Developers/Designers, Game Console Engineers

PROGRAM HIGHLIGHTS

Internships and Co-ops

Internships and co-ops provide students the opportunity to get additional hands-on experience in the field. Sample locations include:

- Fidelity Investments
- Xfact
- Teradyne

Alumni in the field

Recent graduates of the Computer Science program are currently working at:

- Vicor
- Harris Corporation
- Aires
- Bellesini Academy
- Fidelity
- JMK Systems
- John Hancock
- Vestmark
- Xfact
- Ratheyon
- Amica
- EMC
- Hubspot

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QUESTIONS? Contact:

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