Master of Science

Computer Science

Rivier UNIVERSITY

Earn a degree in computer science.

Prepare to be a leader in today's high-tech world. Gain practical experience to advance your career with a Master of Science in Computer Science degree.

Rivier's M.S. in Computer Science prepares you for a successful career in one of the economy's fastest-growing industries. The U.S. Bureau of Labor Statistics projects 15% growth in job opportunities from 2022 to 2032 for computer information and systems positions. Rivier's program combines theory with significant practical experience that will give you an edge in meeting the demands of the high-tech workplace.

Course Format
On campus

36 Credits
to complete program

2 Years
estimated program length

Choose Rivier

Rivier's M.S. programs provide strong foundational knowledge and hands-on learning that build on your existing skill sets and confidence in computer science. The variety of elective courses within the degree program enables you to focus on your specific areas of interest. Classes are offered in both seven- and 14-week terms throughout the year.

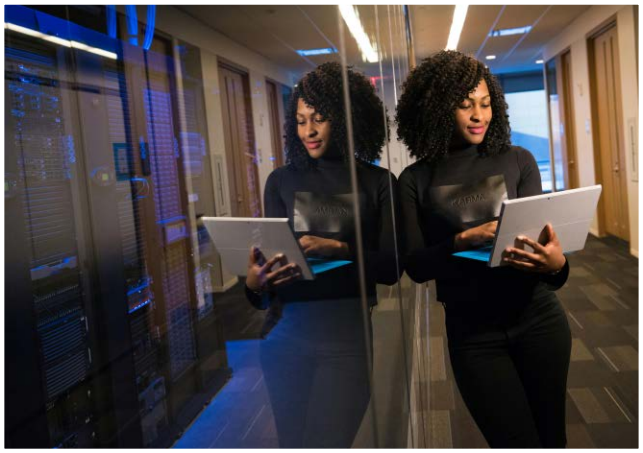
Degree Concentrations

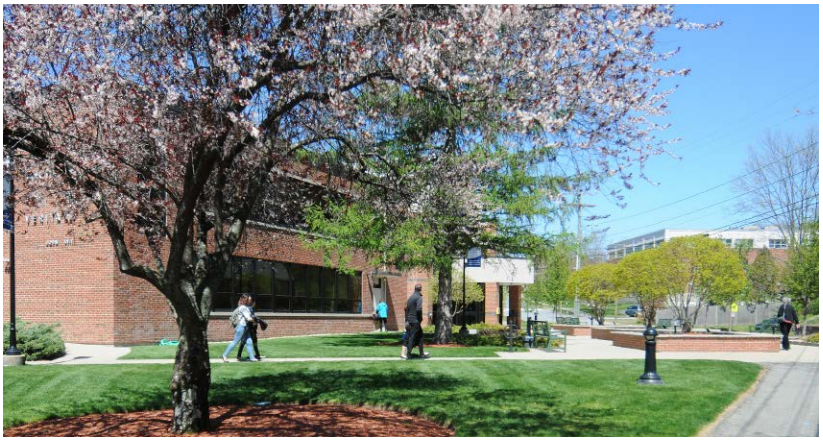
Focus on what matters most for your career and matches your interests—we offer four concentration areas:

- Information Technology
- Software Development
- Web and Database Development
- Design Your Own Concentration

Where Will Your Degree Take You?

An M.S. in Computer Science will help you to advance your career in the field of computing across a range of industries. Combining advanced disciplinary knowledge and skills, and valid professional practices, graduates of the program assume active roles in the research, development, production, and management of computing environments.





Course of Study

REQUIRED COURSES

COMP 505	Computer Science Fundamentals
COMP 552	Object-Oriented Design
COMP 553	Networking Technologies
COMP 554	Operating Systems
COMP 556	Computer Architecture
COMP 557	Algorithms
COMP 585	Practical Java Programming
COMP 699	Professional Seminar

COMPUTER SCIENCE ELECTIVES

Students complete 12 credits/four three-credit courses.

COMP 545	Artificial Intelligence and Machine Learning
COMP 549	Robotics
COMP 560	Python Programming
COMP 572	Computer Security
COMP 578	Advanced Networking
COMP 597	Multimedia and Web Development
COMP 608	Software Engineering
COMP 610	Database Management Systems
COMP 612	Information Technology
COMP 616	Data Mining
COMP 664	Knowledge-Based Systems
COMP 670	Big Data
COMP 680	Software Quality Assurance
COMP 689	Reading and Research
COMP 690-696	Neural Networks, Natural Language Processing, Cloud Administration, Cloud Programming, Technology Entrepreneurship

The University reserves the right to make changes when appropriate and necessary as needed without notification. (0824)

M.S. Program Start Dates

Six term starts per year allow you to begin your program in September, October, January, March, May, or July. Completed applications are reviewed as they are received throughout the year.

Accreditation

Rivier University is accredited by the New England Commission of Higher Education (NECHE).

NECHE
New England Commission of Higher Education

Apply Today

1. Submit your application online at ***rivier.edu/apply***. There is no application fee.
2. Review and complete the application process at ***rivier.edu/gradadmissions***.
3. International student admission requirements are detailed at ***rivier.edu/international***.

Quick Links

Ask a Question
admissions@rivier.edu

Talk to an Admissions Counselor
rivier.edu/team

Schedule a Visit
events.rivier.edu

Tuition & Fees
rivier.edu/tuition