Bachelor of Science

Artificial Intelligence

Rivier UNIVERSITY

Harness the power of artificial intelligence at Rivier University.

Why Study at Rivier?

Artificial intelligence is transforming industries, driving innovation, and reshaping the workforce. Rivier's Bachelor of Science in Artificial Intelligence program equips students with practical skills in the rapidly evolving field of AI.

Students apply AI to real-world challenges in fields like robotics, healthcare, finance, and manufacturing. Graduates are prepared for careers across AI development, AI applications, machine learning, robotics, data analysis, and more, as demand grows with advances in data processing, algorithms, and cybersecurity.

Concentrations in Cybersecurity, Data Science, and Software Engineering allow students to specialize in their area of interest.

Build Your Knowledge Base

Upon graduation, students possess not only a solid theoretical knowledge, but also professional, future-focused practices that allow them to strengthen their skills as the field evolves. Seniors participate in a robust internship program, gaining job experience, skills, and professional references that often lead to permanent positions after graduation.

Gain Real-World Experience

Utilizing AI, computer and information research scientists develop cutting-edge applications for both emerging and established technologies. They analyze and address intricate computing challenges across industries such as business, science, and healthcare.

Rivier's campus is ideally located in Nashua, New Hampshire, allowing students to explore diverse job and internship opportunities at high-tech companies from Manchester, New Hampshire, to Boston, Massachusetts.

Begin Your Career

AI is transforming industries and creating new job opportunities across various fields. Careers involving artificial intelligence include:

- Artificial intelligence engineer
- Data analyst
- Machine learning engineer
- Software engineer
- Systems analyst

12,175 sq. ft.
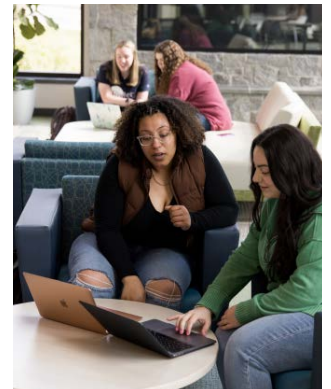high-tech Cybersecurity Lab and Tech Hub opened in 2022

90+ years
of educational excellence

100%
of students receive financial aid

100%
of students complete internships, field experiences, or service learning programs

Journeys of Transformation

Rivier University's core curriculum, titled *Journeys of Transformation*, aligns with the American Association of College & Universities essential learning outcomes. Coursework focuses on developing strong intellectual and practical skills for workforce success, and offers opportunities for service learning, servant leadership, and civic engagement to enhance leadership abilities.

Course of Study

ARTIFICIAL INTELLIGENCE MAJOR REQUIREMENTS

COMP 101	Coding Adventures I
COMP 103	Coding Adventures II
CYBR 250	Cyber Law & Ethics
COMP 290	Computer Graphics
COMP 315	Introduction to Algorithms
COMP 335	Database Management Systems
COMP 405	Introduction to Software Engineering
COMP 442	Information Technology
COMP 444	Knowledge-Based Systems
COMP 446	Data Mining
COMP 447	Artificial Intelligence and Machine Learning
COMP 449	Robotics
COMP 450	Capstone Project
COMP 452	Intelligent Systems
COMP 460	Deep Learning
COMP 461	Natural Language Processing
COMP 495	Internship I

MAJOR ELECTIVES

Take three courses from any undergraduate level COMP, CYBR, MATH, or PHYS course, including:

COMP 245	Introduction to Computer Architecture
COMP 301	Computer Science Fundamentals
COMP 308	Computer Networks
COMP 360	Web Development
COMP 370	Game Programming I
COMP 371	Game Programming II
COMP 385	Object-Oriented Programming using Java
COMP 425	Directed Study
COMP 431	Operating Systems
COMP 437	Game Engine Design
COMP 496	Internship II
COMP 497	Internship III

MATHEMATICS REQUIREMENTS

MATH 110	Introductory Statistics
MATH 210	Linear Algebra

GENERAL ELECTIVES

Students choose five three-credit elective courses (15 credits) to reach the total number of credits required for the degree.

The University reserves the right to make changes when appropriate and necessary as needed without notification. (1025)

Employment Promise Program

Rivier's *Employment Promise Program* enhances the career preparation and employability of students in all academic disciplines. The program includes mentorship through Rivier's Career Development Center and features a tailored four-year academic and professional development plan, integrating experiences that have been shown to enhance overall employability and improve job search success.

Confidence in the quality of a Rivier education enables the University to ensure invested students will secure employment within nine months of graduation. If not, the University will provide the student additional financial or educational support. Get more information at *rivier.edu/EPP*.

You're Invited

Attend an on-campus event, or schedule an individual campus tour for you and your family. You can access a complete listing of events and register online at *events.rivier.edu* or call us at (603) 897-8507.

Academic Accreditation

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

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