



# Master of Science (M.S.) ARTIFICIAL INTELLIGENCE

This Program is NOT yet a Title IV Financial Aid eligible program and is pending approval.



Western Connecticut State University's Master of Science in Artificial Intelligence provides students with a broad, deep knowledge of both the practical and theoretical aspects of this modern discipline.

You'll acquire practical experience in AI via a solid mathematical and computational foundation, accompanied by a rich experience of AI in its current form.

- 10 courses
- 33 credit hours = 30 credits of course work + either thesis or final project or internship
- May complete in one year

## OUTCOMES

After acquiring a solid mathematical and computational foundation in artificial intelligence, students will complete advanced courses in neural networks and deep learning, reinforcement learning and autonomous systems. They will learn the latest techniques in natural language processing, and the also-important ethical and safety considerations of artificial intelligence. Students may complete the M.S. in AI in one year, depending on their preparation.

WCSU's M.S. in Artificial Intelligence program prepares students for more challenging and rewarding positions than simple corporate settings by enabling them to demonstrate a much deeper understanding of both how AI applications may be applied, and:

- Details of the algorithms, and mathematical techniques upon which they rely
- How the several models in common use were developed
- Their strengths and potential shortcomings
- Most importantly, how the next generation of applications may be created

## Tuition for International Students

- ▶ **Tri-State Rate: \$15,039**
- Tuition: \$19,397.00** (Fall & Spring Semester)
- Room & Board Expenses: \$11,370.00**
- Total: \$30,766.00**

## CONTACT

**More Information:** [www.wcsu.edu/admissions/internationalstudents](http://www.wcsu.edu/admissions/internationalstudents)

**Apply today:** [www.wcsu.edu/international-app](http://www.wcsu.edu/international-app)

Visit [www.wcsu.edu/admissions/internationalstudents](http://www.wcsu.edu/admissions/internationalstudents) to take a virtual tour and learn what Western Connecticut State University offers you.

## EXPERIENCED, SKILLED FACULTY

### COMPUTER SCIENCE

**WCSU's Computer Science Department is nationally accredited through ABET, The Accreditation Board for Engineering and Technology.**

**Dr. Shahab Band** has years of experience working in the field of artificial intelligence. In addition, he brings detailed knowledge of the related field of cyber security, the area of his doctoral research.

**Dr. Dan Coffman** ( Department Chair) was for more than 10 years a member of the human speech research group in the research division of IBM Corporation; he is highly knowledgeable in the field of natural language processing.

**Dr. Henry Wu**, a new faculty member beginning at Western in fall of 2024, is an expert in cyber security, computer networks, and computer architecture.

### MATHEMATICS

**Dr. David Burns** specializes in analysis, advanced calculus, and geometry.

**Dr. Stavros Christofi** co-authored the B.S. in Applied and Computational Math program. He also specializes in optimization, and machine learning.

**Dr. Charles Rocca** specializes in abstract algebra, cryptography, discrete mathematics, and teaches courses already required by both Computer Science and Mathematics undergraduate degrees.

**Dr. Michael Shoushani** co-authored the B.S. in Applied and Computational Math program. He also has expertise in statistics, and numerical methods for partial differential equations.

**Dr. Xiaodi Wang** co-authored the B.S. in Applied and Computational Math program. He also specializes in Wavelet Analysis, Harmonics Analysis, and Machine Learning.

### ETHICS AND SAFETY

**Dr. Anna Malavisi** specializes in ethics and philosophy. She works in the Department of History, Philosophy, and World Perspectives.

**Dr. D.L. Stephenson** specializes in ethics, media, rhetoric, and communication. She works in the Department of English and Interdisciplinary Studies.

## CLOSE TO NEW YORK

Our proximity to NYC brings internship and employment opportunities. Our AI graduate program is unique within a one-hour commuting radius of the campus.

**Did you know?** Connecticut is a commutable hub to jobs in NY, NJ, MA and RI.

## CAREERS

From Computer and Information Research Scientists to Software Developers, your M.S. in AI brings a myriad of exciting, highly-paid career opportunities. Other possible career paths include:

- Software publishers
- Research and development in the physical, engineering, and life sciences
- Computer systems design and related services
- Federal government
- Colleges, universities, and professional schools