UMSL is a NSA/DHS National Center of Academic Excellence in Cyber Defense Education

College of Arts and Sciences

Department of Computer Science

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UMSL | Computer Science
University of Missouri–St. Louis

Undergraduate Certificate in Artificial Intelligence

The certificate in Artificial Intelligence is a five-course (15 credit hours) program. It provides skills and training necessary to start or progress in the growing areas of AI, with a range of electives to focus more specifically in one's desired direction of study. A minimum GPA of 2.5 is required for admission. All students must take two required courses and three electives.

A minimum of three courses must be taken from UMSL. Courses may be substituted with the permission of the certificate coordinator.

Required core courses		Availability
CMP SCI 3130	Analysis of Algorithms	FPS
CMP SCI 4300	Introduction to Artificial Intelligence	FP
Choose three of the electives		
CMP SCI 4151	Introduction to Stat Methods for Data Science	P
CMP SCI 4320	Introduction to Evolutionary Computation	P
CMP SCI 4340	Introduction to Machine Learning	FP
CMP SCI 4342	Introduction to Data Mining	FP
CMP SCI 4370	Introduction to Biological Data Science	F
CMP SCI 4390	Introduction to Deep Learning	F
CMP SCI 4420	Intro to Digital Image Proc. and Computer Vision	F
CMP SCI 4610	Database Management Systems	F
Total courses(credit hours)		**5(15)**

More info https://www.umsl.edu/cs/degrees-and-programs/certificates
Typical Availability: Summer (**S**), Fall (**F**), Spring (**P**)
Mode: Mostly Blended, some in class, some online.
Current course rotation https://www.umsl.edu/cmpsci/degrees-and-programs/undergraduate-studies/3yeacourse.html