

Graduate Certificate in Artificial Intelligence

Required Courses

Twelve credits are required for the Artificial Intelligence Graduate Certificate. The number of credits from CSCI 592 (Independent Study) and CSCI 594 (Seminar) combined is limited to 3. Note: These requirements guarantee that at least two courses will be taken from the first two sections.

The first section lists 400-level core Artificial Intelligence courses. The second section lists 500-level core Artificial Intelligence courses. The third section lists 500-level courses that provide advanced skills or fundamental theory that are highly valuable for working in artificial intelligence.

Electives: At Most One Course from

CSCI 446	Artificial Intelligence	3
CSCI 447	Machine Learning: Soft Computing	3

Electives: Any Number of Courses from

CSCI 546	Advanced Artificial Intelligence	3
CSCI 547	Machine Learning	3
CSCI 550	Advanced Data Mining	3
CSCI 592	Independent Study (requires preapproval, must be AI relevant)	1-3
CSCI 594	Seminar (requires preapproval, must be AI relevant)	1-3

Electives: At Most Two Courses from

CSCI 540	Advanced Database Systems	3
STAT 511	Methods of Data Analysis I	3
STAT 512	Methods of Data Analysis II	3
M 507	Mathematical Optimization	3
M 508	Mathematics of Machine Learning	3