

MASTER OF ARTIFICIAL INTELLIGENCE

Curriculum

Requirement	Credits
Minimum Credits Required	30
Maximum 400-Level Credit	10
Minimum CS/CSP Credit	18

Code	Title	Credit Hours
Artificial Intelligence Core Courses		(6)
CS 480 or CS 581	Introduction to Artificial Int Advanced Artificial Intelligen	3
CS 584 or MATH 569	Machine Learning Statistical Learning	3
Data Analytics Course		(3)
Select three credit hours from the following:		3
CS 522	Advanced Data Mining	3
CS 578	Interact/Trans Mach Learning	3
CS 583	Probabilistic Graphical Models	3
CS 595	Topics in Computer Science	3
CSP 554	Big Data Technologies	3
CSP/MATH 571	Data Preparation and Analysis	3
MATH 564	Applied Statistics	3
MATH 574	Bayesian Computational Stats	3
Data Processing Course		(3)
Select three credit hours from the following:		3
CS 520	Data Integration Warehousing	3
CS 525	Advanced Database Organization	3
CS 546	Parallel and Distributed Proc	3
CS 554	Data-Intensive Computing	3
AI Applications Courses		(6)
Select six credit hours from the following:		6
CS 512	Computer Vision	3
CS 579	Online Social Network Analysis	3
CS 585	Natural Language Processing	3
Interdisciplinary Elective Course		(2-3)
Select two to three credit hours from the following:		2-3
BIOL 440	Neurobiology	3
BIOL 550	Bioinformatics	3
BME 433	BME Applications of Statistics	3
BME 504	Neurobiology	2
COM 501	Intro to Linguistics	3
COM 584	Humanizing Technology	3
ECE 563	Comptl Intllgnc Engineering	3
MMAE 440	Introduction to Robotics	3
MMAE 540	Robotics	3
MSF 526	Computational Finance	3
PHIL 574	Ethics in Computer Science	3
PSYC 423	Learning Theory	3
PSYC 426	Cognitive Science	3
PSYC 503	Cognitive and Affective Bases	3

Elective Courses

(9-10)

Select 9-10 credit hours of 400-level and above CS or CSP courses.¹

9-10

¹ Students may also select a course from the core or interdisciplinary electives course list, provided that the course is not already being applied to another requirement.