

Academic Program Sequence Map

Program Degree Type and Name: MS Computer Science, Specialization in Artificial Intelligence and Machine Learning

Catalog Year: 2024-2025

Program Level: Graduate **Academic Term Type:** SSemester

Year and Term: Year 1 Fall term								Year and Term: Year 1 Spring Term						
Credits Per Classification								Credits Per Classification						
Course Number & Title	CR	GE	Maj	OE	SM	Co / Prerequisite(s)	Milestone/Advice	Course Number & Title	CR	GE	Maj	OE	SM	Co / Prerequisite(s)
CISC 520- Database Management Systems	3		x				GC	CISC 550- Machine Learning	3		x			
CISC 530- Mathematical Methods for Data Analysis	3		x					CISC 560- Big Data	3		x			
CISC 540- Computational Data Analysis	3		x					CISC 602- Data Science Project	3		x			Approval of Program Director
Term Credit Total:								9			9			
Year and Term: Year 2 Fall								Year and Term: Year 2 Spring						
Credits Per Classification								Credits Per Classification						
Course Number & Title	CR	GE	Maj	OE	SM	Co / Prerequisite(s)	Milestone/Advice	Course Number & Title	CR	GE	Maj	OE	SM	Co / Prerequisite(s)
CISC 580- Computer Vision	3		x					CISC 610- DevOps and MLOps	3		x			
CISC 585- Natural Language Processing	3		x					CISC 620- Data Engineering Services in the Cloud	3		x			
CISC 702- CS Capstone II	3		x			Approval of Program Director	ELC	CISC 703- CS Capstone III	3		x			Approval of Program Director
Term Credit Total:								9			9			
Program Totals								Program Totals						
Credits: 36								Credits: 36						
General Education: N/A (Graduate)								Major & Major Elective: 36						
								Open Elective: N/A						

Legend: CR: Credits GE: General Education Maj: Major / Major Elective OE: Open Elective SM: Success Marker Co/Prerequisite(s): List of co/ prerequisites for noted course GA: Gateway Course CA: Career Activity ELC: Experiential Learning Course

Office of the Provost August 2024

Milestone/Advice
ELC
Milestone/Advice
ELC