

Academic Program Sequence Map

Program Degree Type and Name: MS Computer Science, Specialization in Data Science

Catalog Year: 2022-2023

Program Level: Graduate

Academic Term Type: Semester

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)	Course Number & Title	CR	GE	Maj	OE	SM	Co / Prerequisite(s)
CISC 505- Object-Oriented Programming and Analysis of Algorithms	3		x			None	CISC 540- Computational Data Analysis	3		x			CISC 530
CISC 510- Theoretical Concepts in Computer Science	3		x			None	CISC 550- Machine Learning	3		x			CISC 530
CISC 520- Database Mangement Systems	3		x			None	Elective	3		x			
CISC 530- Mathematical Methods for Data Analysis	3		x			None	Elective	3		x			
Term Credit Total:							Term Credit Total:						
12							12						
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)	Course Number & Title	CR	GE	Maj	OE	SM	Co / Prerequisite(s)
CISC 560- Big Data	3		x			CISC 540							
CISC 600- Thesis OR CISC 602- Data Science Project	3		x			Approval of Program Director							
Term Credit Total:							Term Credit Total:						
6							6						
Program Totals							Program Totals						
Credits: 30							Credits: 30						
General Education: N/A (Graduate)							General Education: N/A (Graduate)						
Major & Major Elective: 30							Major & Major Elective: 30						
Open Elective: N/A							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