

Academic Program Sequence Map

Program Degree Type and Name: MS Computer Science, Specialization in Software Development
Program Level: Graduate Academic Term Type: Semester

Catalog Year: 2026-2027

Year and Term: Year 1 Fall term		Credits Per Classification												
Course Number & Title	CR	GE	Maj	OE	SM	Co / Prerequisite(s)	Milestone/Advice							
CISC 505- Object-Oriented Programming and Analysis of Algorithms	3		x			None								
CISC 510- Theoretical Concepts in Computer Science	3		x			None								
CISC 520- Database Management Systems	3		x			None	GC							
Term Credit Total:	9		9											
Year and Term: Year 2 Fall		Credits Per Classification												
Course Number & Title	CR	GE	Maj	OE	SM	Co / Prerequisite(s)	Milestone/Advice							
CISC 575- Software Assurance	3		x			CISC 515								
Elective	3		x											
Elective	3		x											
Term Credit Total:	9		9											
Year and Term: Year 1 Spring Term				Credits Per Classification										
Course Number & Title	CR	GE	Maj	OE	SM	Co / Prerequisite(s)	Milestone/Advice							
CISC 515- Software Design and Development	3		x			CISC 505								
CISC 545- Distributed Application Development	3		x			CISC 505								
CISC 555- Mobile Application Development	3		x			CISC 505								
Term Credit Total:	9		9											
Year and Term: Year 2 Spring				Credits Per Classification										
Course Number & Title	CR	GE	Maj	OE	SM		Co / Prerequisite(s)							
CISC 600- Thesis OR CISC 601- Software Development Project	3		x				Approval of Program Director							
							ELC							
Term Credit Total:	3		3											
Program Totals		Credits: 30			General Education: N/A (Graduate)				Major & Major Elective: 30			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 GC: Gateway Course CA: Career Activity ELC: Experiential Learning Course WBE: Work-based Experience