

Academic Program Sequence Map

Program Degree Type and Name: **MS Computer Science, Specialization in Software Development** Catalog Year: **2021-2022**

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 515- Software Design and Development	3		x			CISC 505
CISC 510- Theoretical Concepts in Computer Science	3		x			None	CISC 545- Distributed Application Development	3		x			CISC 505, CISC 520
CISC 520- Database Management Systems	3		x			None	CISC 555- Mobile Application Development	3		x			CISC 505
Elective	3		x				Elective	3		x			
Term Credit Total:	12		12				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 575- Software Assurance	3		x			CISC 505, CISC 515							
CISC 600- Thesis	3		x			Approval of Program Head							
OR CISC 601- Software Engineering Project													
Term Credit Total:	6		6				Term Credit Total:						
Program Totals							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