Mercy University

Academic Program Sequence Map

Program Degree Type and Name: **MS Computer Science, Specialization in Software Development**   Catalog Year: **2024-2025**

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

Year and Term: Year 1 Fall term					Credits Per Classification			Year and Term: Year 1 Spring Term					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 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- Database Management Systems	3		x			None	GC	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					Credits Per Classification			Year and Term: Year 2 Spring					Credits Per Classification	
Course Number & Title	CR	GE	Maj	OE	SM	Co / Prerequisite(s)	Milestone/Advice	Course Number & Title	CR	GE	Maj	OE	SM	
CISC 575- Software Assurance	3		x			CISC 515								
CISC 600- Thesis **OR** CISC 601- Software Development Project	3		x			Approval of Program Director	ELC							
Term Credit Total:	6		6					Term Credit Total:						

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/ prerequites for noted course GC: Gateway Course CA: Career Activity ELC: Experiential Learning Course

Office of the Provost August 2024

Office of the Provost - April 2022

Academic Program Sequence Map

Milestone/Advice

Co / Prerequisite(s)