

Academic Program Sequence Map

Program Degree Type and Name: MS Computer Science, Specialization in Software Development **Catalog Year:** 2025-2026

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

Office of the Provost August 2024

Mercy University

Academic Program Sequence Map

Milestone/Advice
Co / Prerequisite(s)