

Student Learning Objectives:

- Student Learning Outcomes
1. Analyze a complex computing problem and to apply principles of computing and other relevant disciplines to identify solutions.
 2. Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline.
 3. Communicate effectively in a variety of professional contexts.
 4. Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles.
 5. Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline.
 6. Apply computer science theory and software development fundamentals to produce computing-based solutions.

	Learning Outcome:	SLO #1	SLO #2	SLO #3	SLO #4	SLO #5	SLO #6
Core Required Courses	CMSC 255 Intro to Programming	<i>Introduced</i>	<i>Introduced</i>	<i>Introduced</i>		<i>Introduced</i>	
	CMSC 256 Data structures and OOP	<i>Practiced</i>	<i>Practiced</i>	<i>Practiced</i>		<i>Practiced</i>	<i>Introduced</i>
	CMSC 257 Computer Systems	<i>Practiced</i>	<i>Reinforced</i>		<i>Introduced</i>		<i>Practiced</i>
	CMSC 302 Discrete Structures		<i>Assessed</i>				
	CMSC 303 Theory of Computation						<i>Assessed</i>
	CMSC 311 Computer Organization	<i>Assessed</i>	<i>Assessed</i>				
	CMSC 312 Operating Systems		<i>Assessed</i>		<i>Assessed</i>		
	CMSC 355 Fundamentals of Software Engineering			<i>Practiced</i>		<i>Assessed</i>	<i>Assessed</i>
	CMSC 401 Algorithm Analysis	<i>Reinforced</i>	<i>Assessed</i>				<i>Assessed</i>
	CMSC 403 Programming Languages		<i>Assessed</i>				<i>Reinforced</i>
	CMSC 440 Data Comm. & Networking	<i>Reinforced</i>				<i>Assessed</i>	
	CMSC 508 Database Theory	<i>Assessed</i>					<i>Assessed</i>
	CMSC 451 Senior Project I	<i>Assessed</i>		<i>Assessed</i>		<i>Assessed</i>	
	CMSC 452 Senior Project 2			<i>Assessed</i>	<i>Assessed</i>	<i>Assessed</i>	

Key

I: Introduced

P: Practiced

R: Reinforced

A: Assessed

	Learning Outcome:	SLO #1	SLO #2	SLO #3	SLO #4	SLO #5	SLO #6
Elective Courses	CMSC 404 Compiler Construction		<i>Assessed</i>				
	CMSC 409 Artificial Intelligence						<i>Assessed</i>
	CMSC 410 Introduction to Quantum Computing	<i>Assessed</i>					
	CMSC 411 Computer Graphics	<i>Assessed</i>	<i>Assessed</i>				
	CMSC 412 Social Network Analysis & Cybersecurity Risks				<i>Assessed</i>		
	CMSC 413 Introduction to Cybersecurity				<i>Assessed</i>		
	CMSC 414 Computer & Network Security				<i>Assessed</i>		
	CMSC 415 Intro to Cryptography	<i>Assessed</i>					
	CMSC 416 Natural language Processing			<i>Reinforced</i>			<i>Assessed</i>
	CMSC 420 Software Project Management			<i>Assessed</i>		<i>Assessed</i>	
	CMSC 425 Intro Software Analysis and Testing		<i>Assessed</i>				
	CMSC 428 Mobile Programming: IOS	<i>Assessed</i>					
	CMSC 435 Intro to Data Science		<i>Assessed</i>				
	CMSC 455 Software as a Service	<i>Assessed</i>	<i>Assessed</i>				
	CMSC 475 Design & Implementation of User Interfaces			<i>Assessed</i>	<i>Assessed</i>		

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