

MINOR IN COMPUTER SCIENCE

This minor is available to students who have a major other than Computer Science, Information Systems or Information Technology. All Computer Science minors are required to complete 21 units in Computer Science. At least 50% of the required units must be taken at Towson University.

Code	Title	Units
Required Courses		
COSC 236	INTRODUCTION TO COMPUTER SCIENCE I ¹	4
COSC 237	INTRODUCTION TO COMPUTER SCIENCE II	4
COSC 336	DATA STRUCTURES AND ALGORITHM ANALYSIS	4
Electives		
Select minimum three courses from the following: ²		9
COSC 350	DATA COMMUNICATIONS AND NETWORKING ³	
COSC 412	SOFTWARE ENGINEERING	
COSC 431	SELECTED TOPICS COMPUTER SCIENCE	
COSC 435	MOBILE APPLICATION DEVELOPMENT	
COSC 436	OBJECT-ORIENTED DESIGN & PROGRAMMING	
COSC 439	OPERATING SYSTEMS	
COSC 455	PROGRAMMING LANGUAGES: DESIGN & IMPLEMENTATION	
COSC 457	DATABASE MANAGEMENT SYSTEMS	
COSC 459	COMPUTER SIMULATION & MODELING	
COSC 461	ARTIFICIAL INTELLIGENCE	
COSC 467	FOUNDATIONS OF DATA MINING	
COSC 471	COMPUTER GRAPHICS	
COSC 483	DESIGN & ANALYSIS ALGORITHMS	
COSC 484	WEB-BASED PROGRAM	
COSC 495	INDEPENDENT STUDY	
Total Units		21

¹ COSC 175 is a prerequisite for COSC 236.

² May include one upper (300-400) level computer-related course from outside the Department of Computer and Information Sciences (department approval required).

³ COSC 290 is a prerequisite for COSC 350.