

COMPUTER SCIENCE MINOR

The Computer Science minor (MCSC) provides students with the fundamentals of computer programming and design. Students will become proficient with problem solving and algorithmic thinking.

The minor itself requires 16 total credits; however, to enroll in the minor a student must complete each of the prerequisite courses.

Course	Title	Credits
Prerequisite Courses		
COMP1000 or ELEC3150	COMPUTER SCIENCE I OBJECT ORIENTED PROGRAMMING FOR ENGINEERS	4
COMP1050	COMPUTER SCIENCE II	4
MATH2300	DISCRETE MATHEMATICS	4

Course	Title	Credits
Core Requirements		
COMP2000	DATA STRUCTURES	4
COMP2350	ALGORITHMS	4
Elective Courses		
Select one of the following:		4
COMP1200	COMPUTER ORGANIZATION	4
COMP2100	NETWORK PROGRAMMING	4
COMP2650	DATABASES	4
COMP3125	DATA SCIENCE FUNDAMENTALS	4
COMP3660	MOBILE APP DEVELOPMENT	4
COMP3750	INTRODUCTION TO BIOSTATISTICS	4
COMP4050	MACHINE LEARNING	4
Advanced Electives		
Select one of the following:		4
COMP3200	ASSEMBLY LANGUAGE	4
COMP3350	PROGRAMMING LANGUAGES	4
COMP3400	OPERATING SYSTEMS	4
COMP3450	PARALLEL COMPUTING AND DISTRIBUTED COMPUTING	4
COMP3575	SCRIPTING FOR CYBERSECURITY AND FORENSICS	4
COMP3580	DIGITAL FORENSICS	4
COMP3590	APPLIED CRYPTOGRAPHY	4
COMP4450	SYSTEMS PROGRAMMING	4
COMP4460	COMPILERS	4
COMP4580	NETWORK FORENSICS	4
COMP4700	ARTIFICIAL INTELLIGENCE	4
COMP4750	EMBEDDED ARTIFICIAL INTELLIGENCE	4
COMP4775	ADVANCED PARALLEL COMPUTING	4
COMP4960	SOFTWARE ENGINEERING	4
Total Credits		16