

# Computer Science (B.S.)

2025-2026 catalog

Student Name: \_\_\_\_\_ ID Number: \_\_\_\_\_

## Major Requirements

All classes must be completed with a C- grade or better. Each course may count only once toward the major. Students may apply up to 4 credits of internship toward the major. Students completing a major in Computer Science are not eligible for a minor in Computer Science.

Term Completed/Planned	Grade	Credit	Course #	Title
Complete <b>all of</b> the following				
_____	_____	4	CSC165 and 165L	Introduction to Computer Programming (Python)
_____	_____	4	CSC170 and 170L	Introduction to Object-Oriented Programming (Java)
_____	_____	4	CSC321	Software Design and Development
_____	_____	4	CSC341	Data Structures and Algorithms
Complete <b>all of</b> the following theory courses				
_____	_____	4	CSC351	Algorithms
_____	_____	4	CSC371	Computer Organization
_____	_____	4	CSC391	Programming Languages
Complete <b>two (2)</b> project-based electives chosen from:				
_____	_____	4	CSC373	Artificial Intelligence
_____	_____	4	CSC395	Topics with "project" designation
_____	_____	4	CSC399	Internship
_____	_____	4	CSC421	Mobile Computing
_____	_____	4	CSC431	Introduction to AI Robotics
_____	_____	4	CSC443	Software Engineering
_____	_____	4	CSC495	Topics with "project" designation
_____	_____	4	MIS476	Information Systems Projects
Complete <b>one (1)</b> data course from:				
_____	_____	4	DST234	Introduction to Data Science (and R)
_____	_____	4	DST314	Programming for Data Science
Complete <b>one (1)</b> elective chosen from:				
_____	_____	4	Additional CSC course numbered 200 or above	
_____	_____	4	DST234	Introduction to Data Science (and R)
_____	_____	4	MIS270	Data Management for Business
_____	_____	4	PHY361	Electronics
Complete <b>two (2)</b> advanced electives chosen from:				
_____	_____	4	Additional CSC course numbered 300 or above	
_____	_____	4	Additional CSC course numbered 300 or above	
_____	_____	4	DST314	Programming for Data Science
_____	_____	4	DST475	Machine Learning
_____	_____	4	MAT350	Graph Theory
_____	_____	4	MAT455	Numerical Mathematics and Computation
Complete <b>both</b> MAT145 and MAT302				
_____	_____	4	MAT145 and 145L	Calculus I
_____	_____	4	MAT302	Discrete Mathematical Structures
Complete <b>one (1)</b> mathematics elective				
_____	_____	4	MAT146 and 146L	Calculus II
_____	_____	4	MAT315	Linear Algebra