Computer Science, Applied (B.A.)
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 all of 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 both of the following courses				
_____	_____	4	CSC240	Information Security and Assurance
_____	_____	4	MIS260	Problem Solving for Business
Complete one (1) of DST234 or MIS270:				
_____	_____	4	DST234	Introduction to Data Science (and R)
_____	_____	4	MIS270	Data Management for Business
Complete two (2) project-based electives chosen from:				
_____	_____	4	CSC311	Web Applications and Databases
_____	_____	4	CSC395	Topics class with "project" designation
_____	_____	4	CSC399	Internship
_____	_____	4	CSC421	Mobile Computing
_____	_____	4	CSC431	Introduction to A I Robotics
_____	_____	4	DST314	Programming for Data Science
_____	_____	4	MIS476	Information Systems Projects
Complete one (1) discrete mathematics course				
_____	_____	4	MAT202	Discrete Mathematics for Computing (NSM)
_____	_____	4	MAT302	Discrete Mathematical Structures

Complete additional required courses in one of the ways listed below

_____	_____		_____
_____	_____		_____
_____	_____		_____

Elective options

Natural Sciences and Mathematics
- Option 1: Computer and Data Science - Any two of DST234, DST314, or CSC courses numbered 300 or above
- Option 2: Biology - Both BIO102/102L and BIO121/121L
- Option 3: Physics - Both PHY107/107L and PHY108/108L
- Option 4: Psychology - Both PSY215 and PSY354

Fine Arts
- Option 5: Graphic Design - Both VIZ102 and VIZ109
- Option 6: Music - All of MUS221, MUS225, and MUS306
- Option 7: Theater - THR228 and THR229

Business
- Option 8: Macroeconomics - Both ECO112 and ECO312
- Option 9: Microeconomics - Both ECO113 and ECO313
- Option 10: Entrepreneurship - Both ENT354 and ENT454
- Option 11: Management Information Systems - Both MIS375 and MIS376

- Option 12: Marketing - Both MKT252 and MKT359

Humanities and Social Sciences
- Option 13: History - One of HIS101, HIS102, HIS121, or HIS122, as well as one of HIS200 or HIS300
- Option 14: Law - Both NMS371 and POL170
- Option 15: Game Design - Both NMS115 and NMS352
- Option 16: New Media - NMS220 and one of NMS260 or ART340