

Computer Science (B.A.)

2022-2023 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	CSC341	Data Structures
_____	_____	4	CSC351	Algorithms
_____	_____	4	CSC371	Computer Organization
_____	_____	4	CSC391	Programming Languages

Complete **one (1)** systems elective

_____	_____	4	CSC240	Information Security and Assurance
_____	_____	4	CSC272	Unix and C
_____	_____	4	CSC395	Topics class with “systems” designation

Complete **one (1)** user-client elective

_____	_____	4	CSC311	Web Applications and Databases
_____	_____	4	CSC395	Topics class with “user-client” designation
_____	_____	4	CSC396	Internship – or 4 credits of CSC397/398, or CSC399
_____	_____	4	CSC421	Mobile Computing

Complete **one (1)** semester-long project elective

_____	_____	4	CSC443	Software Engineering
_____	_____	4	CSC451	Compilers
_____	_____	4	CSC395	Topics class with “semester-long project” designation
_____	_____	4	MIS476	Information Systems Projects

Complete **one (1)** 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

Complete **one (1)** advanced elective chosen from:

_____	_____	4	Additional CSC course numbered 300 or above	
_____	_____	4	DST314	Programming for Data Science

Complete Precalculus or achieve placement at MPG4

_____	_____	4	MAT114	Precalculus
_____	_____	0	Placement at MPG4	

Note: Students in MPG2 should complete MAT106: Applied Algebra and Trigonometry (not MAT105) to prepare for MAT114

Complete **one (1)** discrete mathematics course

_____	_____	4	MAT202	Discrete Mathematics for Computing (NSM)
_____	_____	4	MAT302	Discrete Mathematical Structures

Complete **one (1)** Speaking skill course

_____	_____	4	COM115	Scientific and Technical Public Speaking
_____	_____	4	COM111	Public Speaking
_____	_____	2	MAT201	Communicating Mathematics
_____	_____	4	Other approved speaking	

Computer Science (B.A.)

Student's Signature

Date

Advisor's Printed Name

Signature

Date

Advisor(s): By signing, you indicate you have verified the accuracy of the information above. Faculty advisors must initial next to each course substitution/waiver and sign this form.