

COMPUTER SCIENCE (BA)

Suggested Sequence of Courses for a Bachelor of Arts Degree in Computer Science

Course	Title	Hours
Freshman Year		
First Semester		
CSCI-1010	Computer Science Fundamentals (suggested)	3
Select one of the following:		4
MATH-1300	Calculus I (optional)	
Natural World Foundation (with lab)		
Foreign Language		4
ENGL-1010	English Composition	3
EXSC-1115	Wellness for Life	1
EXSC Fitness Course		1
GNST-1000	BC Experience	1
Hours		17
Second Semester		
CSCI-1050	Web Programming (optional)	3
Select one of the following:		4
MATH-1220	Introductory Statistics (optional)	
Natural World Foundation (with lab)		
Foreign Language		4
THEO-1100	Introduction to Theology	3
PHIL-1750	Principles of Nature	3
Hours		17
Sophomore Year		
First Semester		
CSCI-1140	Introduction to Computer Science I	4
MATH-2550	Discrete Mathematical Structures I	3
Historical Foundation		3
Philosophical Inquiry Foundation		3
Natural World Foundation		4
Hours		17
Second Semester		
CSCI-2150	Introduction to Computer Science II	4
CSCI-2560	Discrete Mathematical Structures II	3
Aesthetic Foundation		3
Faith Foundation		3
Historical Foundation		3
Hours		16
Junior Year		
First Semester		
CSCI-3100 or CSCI-4200	Database Systems or Computer Architecture	4
Elective		3
Aesthetic Foundation		3
Faith Foundation		3

Philosophical Inquiry Foundation		3
Hours		16
Second Semester		
CSCI-3500 or CSCI-4400	Algorithm Design & Analysis or Operating Systems & Networking	4
Person and Community Foundation		3
Electives		9
Hours		16
Senior Year		
First Semester		
CSCI-4200 or CSCI-3100	Computer Architecture or Database Systems	4
CSCI-4920	Software Engineering	3
Electives		9
Hours		16
Second Semester		
CSCI-4400 or CSCI-3500	Operating Systems & Networking or Algorithm Design & Analysis	4
CSCI-4930	Computer Science Senior Capstone	2
CSCI-COMP	Senior Comprehensive Exam	0
Electives		9
Hours		15
Total Hours		130