

COMPUTER SCIENCE (BS)

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

Course	Title	Hours
Freshman Year		
First Semester		
CSCI-1010	Computer Science Fundamentals (suggested)	3
Natural World Foundation (with lab)		4
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 (option)	3
MATH-1220	Introductory Statistics	4
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	Database Systems	4
CSCI-3570 or CSCI-3600	Theory of Automata or Concepts of Programming Languages	3-4
Aesthetic Foundation		3
Faith Foundation		3
Elective		3
Hours		16-17
Second Semester		
CSCI-3500	Algorithm Design & Analysis	4
Select one of the following:		3

MATH-3400	Introduction to Cryptography	
Philosophical Inquiry Foundation		
CSCI Elective		3
Person and Community Foundation Elective		3
Elective		3
Hours		16
Senior Year		
First Semester		
CSCI-3570 or CSCI-3600	Theory of Automata or Concepts of Programming Languages	3-4
CSCI-4200	Computer Architecture	4
CSCI-4920	Software Engineering	3
CSCI Elective		3
Electives		3
Hours		16-17
Second Semester		
CSCI-4400	Operating Systems & Networking	4
CSCI-4930	Computer Science Senior Capstone	2
Select one of the following:		3
MATH-3400	Introduction to Cryptography	
Philosophical Inquiry Foundation		
CSCI-COMP	Senior Comprehensive Exam	0
Electives		3
Hours		12
Total Hours		127-129