

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

• Core & Elective Courses: 120 semester credits • Per credit tuition: \$135

The Bachelor of Science in Computer Science (BSCS) degree requires 120 semester credits of post secondary college level study. Students first complete 60 credits including general education courses and freshman and sophomore-level computer science courses. The remaining 60 semester credits consist of upper-level computer science courses.

The normal duration of the BSCS program is 40 months. It requires the full-time student to take an average of 3 credits per month.

This degree program is open to all persons who have successfully completed a secondary/high school education or its equivalent (or, hold their GED). This degree program is delivered through distance learning.

GENERAL EDUCATION

(36 semester credits)

COURSE		CREDITS
SOCIAL SCIENCES (SELECT 9 CREDITS)		
AN 1010	Introduction to Anthropology	3
AN 1210	Introduction to American Culture	3
GO 1010	Introduction to World Geography	3
HI 1010	Introduction to World History	3
IR 1010	Introduction to International Relations	3
PS 1010	Introduction to Psychology	3
SO 1010	Introduction to Sociology	3
HUMANITIES & FINE ARTS (SELECT 9 CREDITS)		
AR 1010	Art History	6
EN 1010	English Composition	3
EN 1210	American Spoken English	3
EN 1220	English Expository Writing	3
HU 1010	Humanities	6
PH 1010	Introduction to Philosophy	3
SCIENCES (SELECT 9 CREDITS)		
BI 1010	Biology	6
CH 1010	Chemistry	6
GL 1010	Introduction to Geology	3
PY 1010	Introduction to Physics	3
MATHEMATICS (SELECT 9 CREDITS)		
MA 1010	College Algebra	6
MA 1020	Introduction to Statistics	3
MA 2060	Business Math	3

DEGREE CONCENTRATION

(84 semester Credits)

CORE COURSES*(54 semester credits)***CREDITS**

CS 1000	Introduction to Computers	3
CS 1020	Computer Science Topics (Pre-requisite: CS 1000)	3
CS 1030	Computer Programming Fundamentals I (Pre-requisite: CS 1000)	3
CS 1040	Web Site Development (Pre-requisite: CS 1000)	3
CS 2030	Computer Programming Fundamentals II (Pre-requisite: CS 1030)	3
CS 2040	Algorithms and Data Structures (Pre-requisite: CS 1000)	3
CS 2050	Operating Systems (Pre-requisite: CS 2040)	3
CS 2060	Database Management Systems (Pre-requisite: CS 1000)	3
CS 2070	Computer Ethics and Law (Pre-requisite: CS 1000)	3
MA 2080	Discrete Mathematics (Pre-requisite: MA 2010)	3
CS 3020	Software Engineering Concepts (Pre-requisite: CS 1000)	3
CS 3060	Systems Analysis and Design I (Pre-requisite: CS 1000)	3
CS 3070	Systems Analysis and Design II (Pre-requisite: CS 3060)	3
CS 3130	Data Communications (Pre-requisite: MA 2080)	3
CS 4060	Computer Networks (Pre-requisite: CS 3130)	3
CS 4150	Computer Architecture (Pre-requisites: CS 1000 and CS 2050)	3
CS 4980	Undergraduate Capstone Course Project	6

ELECTIVES*(30 semester credits)*

CS 2010	Information Management Systems (Pre-requisite: CS 1000)	3
CS 2020	Advanced Web Site Development (Pre-requisite: CS 1040)	3
CS 2080	Programming with Visual Basic I (Pre-requisite: CS 2040)	3
CS 2090	Programming with Visual Basic II (Pre-requisite: CS 2080)	3

CS 3040	Database Theory and Design (Pre-requisite: CS 2060)	3
CS 3050	Programming Languages (Pre-requisite: CS 2040)	3
CS 3080	Artificial Intelligence (Pre-requisite: CS 1000)	3
CS 3090	Computer Graphics (Pre-requisite: MA 2080)	3
CS 3120	Software Engineering Project (Pre-requisite: CS 3020)	3
CS 4010	Decision Support Systems (Pre-requisite: CS 3080)	3
CS 4020	File Organization (Pre-requisite: CS 2040)	3
CS 4030	Modeling and Simulation (Pre-requisites: CS 2040 and MA 2080)	3
CS 4040	Object Oriented Programming (Pre-requisite: CS 2040)	3

TOTAL REQUIREMENT: 120 SEMESTER CREDITS