

## MASTER OF SCIENCE IN COMPUTER SCIENCE

• Core & Elective Courses: 36 semester credits • Per credit tuition: \$225

The Master of Science in Computer Science (MSCS) degree requires 36 credits. The MSCS program is available for those who have a Bachelor Degree in Computer Science or Computer Information Systems from a recognized college or university with a 2.0 GPA and have completed the required core courses found in Preston University's BSCS degree program. A **thesis or a capstone course project** is required to complete this degree program.

The normal duration of this program is 18 months. It requires the full-time student to take an average of 2 credits per month. This degree program is delivered through distance learning.

### CORE COURSES

*(27 semester credits)*

COURSE		CREDITS
CS 5010	Computer Network Management (Pre-requisite: CS 4060)	3
CS 5020	Computer Architecture (Pre-requisite: CS 4150)	3
CS 5030	Software Engineering (Pre-requisite: CS 3020)	3
CS 5050	Operating Systems (Pre-requisite: CS 2050)	3
CS 5070	Algorithm Analysis (Pre-requisite: CS 2040)	3
CS 5080	Database Design and Organization (Pre-requisite: CS 2060)	3
CS 5090	Programming Languages (Pre-requisite: CS 3050)	3
Select one of the following:		
CS 6980	Graduate Capstone Course Project	6
CS 6990	Graduate Thesis	6

### ELECTIVES

*(9 semester credits)*

CS 6040	Web Site Development and Management (Pre-requisite: CS 2020)	3
CS 6070	Compiler Theory (Pre-requisite: CS 5070)	3
CS 6220	Computer Performance Analysis (Pre-requisite: CS 5020 and CS 5050)	3
CS 6230	Software Testing and Validation (Pre-requisite: CS 5030)	3
CS 5060	Concepts of Programming Languages	3
CS 6250	Formal Language Theory (Pre-requisite: CS 5070)	3

**TOTAL REQUIREMENT: 36 SEMESTER CREDITS**