

Webster University Information Technology Programs

B. S. Computer Science

As a student in this major, you will be focused on making the computer system perform at its highest level. You will become proficient in programming and in understanding the best uses of the machine. You will be qualified to create new systems, as well as having the skills to maintain and update older systems. These individuals will become the IT professionals who keep the infrastructure running.

Degree Requirements

- 36 required credit hours
- 27 general education credit hours
- 65 elective credit hours

At least 18 of the required 36 computer science credit hours must be taken at Webster University.
All upper-level courses must be taken at Webster University.

Required Courses

COSC 1550 Computer Programming I	3 hours
COSC 1560 Computer Programming II	3 hours
COSC 1570 Math for Computer Science	3 hours
COSC 2610 Operating Systems	3 hours
COSC 2670 Telecommunications	3 hours
COSC 2810 Systems Analysis and Design	3 hours
COSC 3050 Data Structures I	3 hours
COSC 3100 Data Structures II	3 hours

Students will choose two of the following courses.

Computer science courses (COSC) numbered 3000 or above, excluding COSC 3900 Practicum and COSC 3910 Project.	6 hours
--	---------

Students are required to take one pair of the following courses:

COSC 4110 Database Concepts	3 hours
COSC 4120 Database Applications	3 hours

Or

COSC 4250 Object-Oriented Analysis and Design	3 hours
COSC 4260 Object-Oriented Programming	3 hours