

# Webster University Information Technology Programs

## B.S. Information Systems

In this major, you will learn to apply technical skills to presenting information in a usable and understandable way.

You will combine your IT techniques with Web and Internet skills to make the information accessible in a user-friendly format. Web information is often drawn from a database which ensures that the information is always current.

You will also learn how to design and implement databases and how to plan for new and modified information systems. Project management skills are introduced, which enable a project to be kept on-budget and on-time.

You will also learn how to organize data to provide managers the tools to make better decisions.

### Degree Requirements

- 57 required credit hours
- 12 general education credit hours
- 59 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 3410 Computer Security	3 hours
COSC 3500 IT Project Management	3 hours
COSC 3750 Decision Support Systems Concepts	3 hours
COSC 4110 Database Concepts	3 hours
COSC 4120 Database Applications	3 hours
COSC 4810 Information System I	3 hours
COSC 4820 Information System II	3 hours

Students who do not have a second minor or certificate in web site design or web site development are required to take one set of the following courses:

#### Set 1

COAP 2100 Web Technology Principles	3 hours
COAP 2130 Web Scripting	3 hours
COAP 2180 Introduction to XML	3 hours
COAP 3000 Dynamic HTML	3 hours
COAP 3110 Interactive Site Development	3 hours
COAP 3180 Web Databases	3 hours

#### Set 2

COAP 2000 XHTML Programming	3 hours
COAP 2110 Web Animation	3 hours
COAP 2120 Web Editors	3 hours
COAP 2150 Design Principles I	3 hours
COAP 3120 Designing with Style Sheets	3 hours
COAP 3150 Design Principles II	3 hours