

COMPUTER SCIENCE CERTIFICATES

Object-oriented Computer Programming

The Object-Oriented Computer Programming certificate is designed for students interested in computer programming. The object-oriented language C++ is covered in great depth for console and Windows GUI Programming as well as treating the standard Template Library (STL) and Microsoft Foundation Classes (MFC).

			Credits
COSC 118	Computer Programming Fundamentals I with C++		3
COSC 218	Computer Programming Fundamentals II with C++		3
COSC 262	Data Structures with C++		3
COSC 270	Windows GUI Programming		3

Total Credits 12

Web Programming

The Web Programming Certificate provides a strong background with plenty of hands-on experience in structured, procedural, and object-oriented programming languages. The latest versions of C++, Java, and Perl are covered.

			Credits
COSC 118	Computer Programming Fundamentals I with C++		3
COSC 202	Web Development I		3
COSC 203	Web Development II		3
COSC 218	Computer Programming Fundamentals II with C++		3
COSC 190	Database Concepts and Principles		3
COSC 236	UNIX		3
COSC 240	Java Programming		3
COSC 243	Web Programming on UNIX Systems		3

Total Credits 24

