

COMPUTER SCIENCE
Certificate Programs
Catalog 2010-2011

OBJECT-ORIENTED COMPUTER PROGRAMMING
Certificate Program

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).

				Credit Hours	Grade
___	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 credit hours required for this certificate is 12

WEB PROGRAMMING
Certificate Program

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.

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

Total credit hours required for this certificate is 24