

# C++ and Objective-C/iPhone Programming Certificate

PROFESSIONAL TECHNICAL  
2013-2014 Certificate Requirements

## Major Courses

Course	No.	Course Title	Credits	Qtr. Completed	Comments/Substitution
CS	106	Database Systems <i>or</i>	5		
CS	225	SQL Server Programming	5		
CS	117	Computer Ethics <i>or</i>	2		
CS	118	Customer Service	3		
CS&	131	Computer Science I C++	5		
CS	150	Computer Security	5		
CS	162	C++2	5		
CS	260	Data Structures in C++	5		
CS	262	Game Programming Design and Development	5		
CS	265	Objective-C/iPhone Programming	5		
CS	275	Secure Coding & Software Development/Sr. Project	5		

**Total Credits Required 42-43**

C-Plus Plus (C++) is a computer language that provides fundamental programming skills needed for advanced programming in other high level computer languages. Students who complete this certificate will have basic skills to design appropriate data structures for object-oriented programs and use Objective-C language to write apps for Apple's mobile devices such as the iPhone and iPad. The students have an option to develop applications using the following tools: GNUStep, MINGW, XCode, Eclipse, or Microsoft Visual .NET, and will have the opportunity to work on team projects. Career opportunities: C++ programming and iPhone/iPad programming jobs. Mobile devices: Windows phones, Androids, or iPhone/iPad.