

# C# and Mobile Device Programming Certificate

PROFESSIONAL TECHNICAL

2012-2013 Certificate Requirements

## Major Courses

| Course | No. | Course Title                                     | Credits | Qtr. Completed | Comments/Substitution |
|--------|-----|--|---------|----------------|-----------------------|
| CS     | 102 | Programming Fundamentals (minimum grade 2.5)     | 5       |                |                       |
| CS     | 106 | Database Systems <b>or</b>                       | 5       |                |                       |
| CS     | 225 | SQL Server Programming                           | 5       |                |                       |
| CS     | 117 | Computer Ethics <b>or</b>                        | 2       |                |                       |
| CS     | 118 | Customer Service                                 | 3       |                |                       |
| CS     | 150 | Computer Security                                | 5       |                |                       |
| CS     | 173 | C# Programming                                   | 5       |                |                       |
| CS     | 262 | Game Programming Design & Development            | 5       |                |                       |
| CS     | 264 | Android Application Development <b>or</b>        | 5       |                |                       |
| CS     | 265 | Objective-C/iPhone Programming <b>or</b>         | 5       |                |                       |
| CS     | 272 | Windows Phone Programming                        | 5       |                |                       |
| CS     | 273 | Advanced C# Programming                          | 5       |                |                       |
| CS     | 275 | Secure Coding & Software Development/Sr. Project | 5       |                |                       |

**Total Credits Required 42-43**

C-Sharp (C#) is a computer programming language that is widely used by most software solution companies. Students who complete this certificate will have basic skills to write applications for emerging markets. The curriculum focuses on traditional desktop technology and moves into Windows Mobile Device, game, and database programming. The students gain experience using Microsoft Visual Studio .Net technology to develop applications, and will have the opportunity work on team projects. Career opportunities: C# programming and mobile device programming jobs. Mobile devices: Windows phones, Androids, or iPhone/iPad.