

# Computer Software Development Certificate (CSDC)

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The Computer Software Development certificate assists individuals seeking the software development skills needed in industry today, by focusing on current software development languages and approaches, object-oriented programming concepts, and database theory.

This certificate is intended for experienced programmers looking to update or retool their skills, or for individuals preparing to enter the Information Technology field who already have a bachelor's degree in a different discipline.

The certificate can be completed in three semesters, and all courses are offered through online education.

## Computer Software Development Certificate

### First Year

Semester 1		Lec	Lab	Credits
IT 101	.NET Programming 1	2	3	3
IT 111	Database Design and SQL 1	2	3	3

### Semester 2

BPA 130	Business Systems Analysis and Design	2	3	3
IT 161	Java Programming 1	2	3	3

### Semester 3

IT 162	Java Programming 2	2	3	3
IT 102	.NET Programming 2	2	3	3

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Total Credits:		12	18	18
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## Faculty

### Certificate Chair

Professor Robert Nields, MBA  
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