

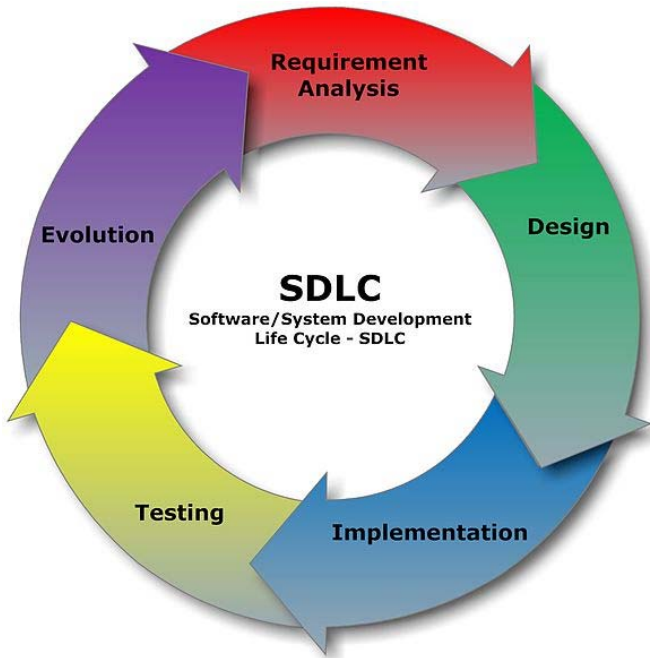
Associate in Applied Science

## Information Technology (A25590S)

Concentration in Software Development



### Recommended Plan of Study



### Overview

The A25590S degree provides a foundation in software development using Java technologies.

### Employment Outlook

(Please note: CPCC does not guarantee employment)

- Jr. Software Developer
- Computer Programmer
- Technical Support Analyst
- Technical Support Specialist

**Total Credit Hours: 69**

#### Semester 1

	Class	Lab	Credits
CTI 110 Web, Programming & DB Found.	2	2	3
CTI 120 Network & Security Found.	2	2	3
CTS 115 Info Sys Business Concepts	3	0	3
CTI 130 OS and Device Foundations	4	4	6
ENG 111 Writing & Inquiry	3	0	3
			18

#### Semester 2

CSC 143 Object Oriented Prog.	2	3	3
CSC 154 Software Development	2	2	3
MAT 143 Quantitative Literacy	3	2	3
OR			
MAT 152 Statistical Methods 1	3	2	4
OR			
MAT 171 Pre-calculus Algebra	3	2	4
WEB 110 Internet/Web Fundamentals	2	2	3
			12

Choose MAT 171 or MAT 152 if desiring to transfer to a four year computer science program.

#### Semester 3

CIS 110 Introduction to Computers	2	2	3
COM 231 Public Speaking	3	0	3
			6

#### Semester 4

CSC 151 Java Programming	2	3	3
CSC 174 JavaScript	2	2	3
CTS 240 Project Management	2	2	3
DBA 120 Database Programming I	2	2	3
ENG 114 Prof. Research & Reporting	3	0	3
Or			
ENG 112 Writing/Research in the Disc	3	0	3
			15

#### Semester 5

CSC 249 Data Structures & Algorithms	2	3	3
CSC 251 Advanced Java Programming	2	3	3
CSC 256 Software Quality Assurance	2	2	3
OR			
CSC 284 Emerging Comp Prog Tech	2	3	3
CTI 289 CTI Capstone Project	1	6	3
			12

#### Semester 6

Humanities/Fine Arts Elective*			3
Social/Behavioral Science*			3
			6

\*Must choose from the approved General Education list. See catalog for more details.

**Note: Many courses are offered in short session formats. Check schedule for offerings.**

