



## CIT – Software Development and Support +CSDS

The Software Development and Support specialty prepares students to work as computer programmers, web developers, game developers, or application support specialists. Students learn to write and test computer programs, develop and maintain web pages, create computer games, develop complex spreadsheets, and create SQL-based database reports. Students have the option of taking the MCSA and MOS industry certification exams.

### First Year

#### First Semester

Course	Semester Hours
BCIS 1305 Business Computer Applications	3
COSC 1336 Programming Fundamentals I	3
ITMT 1358 Windows Client Operating System (or ITSC 1316 Linux Installation and Configuration)	3
ITSC 1319 Internet/Web Page Development	3
ENGL 1301 Composition I	3
	15

#### Second Semester

Course	Semester Hours
COSC 1337 Programming Fundamentals II	3
IMED 2315 Web Design II	3
ITSE 1333 Mobile Applications Development	3
ITSW 2334 Advanced Spreadsheets	3
MATH MATH 1314 or MATH 1332 or higher	3
	15

### Second Year

#### First Semester

Course	Semester Hours
COSC 2336 Programming Fundamentals III	3
GAME 1303 Introduction to Game Design and Development	3
ITSC 1315 Project Management Software	3
ITSW 2337 Advanced Database	3
..... Speech Elective	3
	15

#### Second Semester

Course	Semester Hours
INEW 2330 Comprehensive Software Project: Planning and Design**	3
ITSC 2335 Application Software Problem Solving	3
ITSE 2309 Database Programming	3
..... Humanities/Fine Arts Elective	3
..... Social & Behavioral Science Elective	3
	15
	<b>Total Hours 60</b>

+ Course of study identification number.

\*\* Capstone Experience.

**Note:** A student who completes the required courses with an overall average of C may receive an Associate of Applied Science degree.