

## SOFTWARE AND DATABASE DEVELOPER

### Software and Database Developer, AS (SDD-AS)

<b>Communications Area</b>		<b>3 Credit Hours</b>
ENC 1101	English Composition I	3
<b>Humanities Area</b>		<b>3 Credit Hours</b>
*See General Education Core Requirements		3
<b>Mathematics Area</b>		<b>3 Credit Hours</b>
MAC 1105	College Algebra	3
<b>Natural Sciences Area</b>		<b>3 Credit Hours</b>
•See General Education Core Requirements		3
<b>Social Sciences Area</b>		<b>3 Credit Hours</b>
POS 2041	Amer National Government	3
OR		
AMH 2010	United States History I	3
OR		
AMH 2020	United States History II	3
<b>Major Courses</b>		<b>45 Credit Hours</b>
CGS 1570	Microcomputer Applications	3
COP 1000	Intro Prgrm Logic	3
COP 2700	Data Structure (SQL)	3
CIS 2321	Systems Anal/Desig	3
CGS 1103	Project Mgt Cncpts and Process	3
COP 2250	Java Programming	3
COP 2224	C++ Programming	3
DIG 2100	Web Design I	3
COP 2840	Internet Programming	3
CTS 1111	Linux+	3
CTS 1650	Network Fundamentals	3
COP 2701	Database Design and Management	3
CTS 1120	Cmptr/Ntwk Sec (Sec+)	3
CEN 2212	Programming the IoT	3
COP 2940	Integrative Prgm Tech Capstone	3

Subject specific cooperative education may be substituted with permission of advisor.

- General Education Core.
- + Prerequisites and/or corequisites required. See course descriptions.
- # Applies only to AS degree and certificate programs.
- = Career Certificate course.
- \* Minimum grade of "C" required.
- @ Civic Literacy.