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## 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 <a href="#">General Education Core Requirements</a>	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 <a href="#">General Education Core Requirements</a>	3
<b>Social Sciences Area</b>	<b>3 Credit Hours</b>
POS 2041 Amer National Government	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
COP 2657 Intro Smphn Progrm	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.

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- 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.
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