



Academic & Career **PATHWAYS**

Associate of Applied Science (A.A.S) Computer Science and Information Systems Software Development - Advising Guide

The Software Development A.A.S. degree program prepares students for entry-level employment in the areas of software and web development or for transfer to a four-year school. The software development emphasis offers the following programming language strands delivered in a hands-on format: C++, Java, PHP, JavaScript, Python, HTML, CSS, SQL, Apache, and MySQL.

Semester 1		
Course	Credits	Action Items
CSIS 110 (Specific Program Requirement)	3	<ul style="list-style-type: none"> Meet with Academic Advisor to build degree plan in Starfish
CSIS 115 (Specific Program Requirement)	3	
^CSIS 123 (Specific Program Requirement)	3	
^MATH 120 (General Education Requirement)	3	
^ENGL 101 (General Education Requirement)	3	
Total Credits	15	
Semester 2		
^CSIS 223 (Specific Program Requirement)	3	
^CSIS 152 (Specific Program Requirement)	3	
^CSIS 161 (Specific Program Requirement)	3	
^BUSN 105 (Specific Program Requirement)	3	
^CSIS 170 (Specific Program Requirement)	3	
Total Credits	15	
Semester 3		
^CSIS 128 (Specific Program Requirement)	3	<ul style="list-style-type: none"> Work with Career Services to develop resume Complete civics exam with 70% or higher
^CSIS 222 (Specific Program Requirement)	3	
^CSIS 143 (Specific Program Requirement)	3	
^CSIS 119 (Specific Program Requirement)	3	
HIST 120, HIST 121, or POLS 136 (General Education Requirement/Civics)	3	
Total Credits	15	



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Semester 4		
^CSIS 228 (Specific Program Requirement)	3	<ul style="list-style-type: none"> • Apply for graduation • Apply for jobs
^CSIS 279 (Specific Program Requirement)	3	
PHIL 200 (General Education Requirement)	3	
BIOL 101, BIOL 102, BIOL 104, BIOL 106, BIOL 110, BIOL 118, BIOL 120, BIOL 123, BIOL 125, BIOL132, BIOL 238, ^CHEM 101, ^CHEM 107, GEOG 104, GEOG 110, GEOL101, GEOL 102, GEOL 103, GEOL 110, GEOL 180, ^MATH 115, ^MATH 119, ^MATH 130, ^MATH 141, ^MATH 150, MATH 175, ^PHYS 101, ^PHYS 101L, ^PHYS 104, ^PHYS 104L, ^PHYS 106, or ^PHYS 106 (General Education Requirement)	3-5*	
^COMM 100 or ^COMM 102 (General Education Requirement)	3	
Total Credits	15-17	
Credits Required	60*	
<i>*The A.A.S. degree has a minimum of 60 credit hours to graduate. When selecting a course from multiple options, please consider the number of credits for each course to ensure meeting the minimum requirements for graduation.</i>		

This Pathway Map is an advising tool designed for full-time students on this A.A.S. degree and identifies the course taking recommendation for timely degree completion. Degree requirements and prerequisite information can be found here: <https://mccck.edu/programs/software-development/index.aspx> All students are encouraged to meet with their academic advisor to develop an individualized completion plan that best meets their goals, interests, and objectives.

^Course requires a prerequisite or appropriate placement, see catalog for additional information.