



# Academic & Career **PATHWAYS**

## Associate of Applied Science (A.A.S) Secure Systems Administration and Engineering (Cybersecurity) - Advising Guide

The program prepares students to enter the in-demand information Technology and Cybersecurity fields by offering a program that blends current system administration concepts with essential security skills and best practices necessary to deploy, administer, harden, and defend computer and network systems.

*\*Students in this program cannot have prior felonies or criminal convictions. These convictions could seriously hinder or eliminate chances of working in many IT or cybersecurity roles.*

<b>Semester 1</b>		
Course	Credits	Action Items
BUSN 105 (Specific Program Requirement)	3	<ul style="list-style-type: none"> <li>Meet with Academic Advisor to build degree plan in Starfish</li> </ul>
CSIS 110 (Specific Program Requirement)	3	
CSIS 111^ (Specific Program Requirement)	3	
CSIS 151^ (Specific Program Requirement)	3	
<b>Total Credits</b>	<b>12</b>	
<b>Semester 2</b>		
CSIS 119^ (Specific Program Requirement)	3	
CSIS 143^ (Specific Program Requirement)	3	
CSIS 152^ (Specific Program Requirement)	3	
CSIS 161^ (Specific Program Requirement)	3	
ENGL 101^ (General Education Requirement)	3	
<b>Total Credits</b>	<b>15</b>	
<b>Semester 3 (Summer)</b>		
HIST 120, HIST 121, or POLS 136 (General Education Requirement/Civics)	3	<ul style="list-style-type: none"> <li>Complete civics exam with 70% or higher</li> </ul>
COMM 100^ or COMM 102^ (General Education Requirement)	3	
<b>Total Credits</b>	<b>6</b>	
<b>Semester 4</b>		
CSIS 170^ (Specific Program Requirement)	3	<ul style="list-style-type: none"> <li>Work with Career Services to develop resume</li> </ul>
CSIS 230^ (Specific Program Requirement)	3	
CSIS 232^ (Specific Program Requirement)	3	
CSIS 270^ (Specific Program Requirement)	3	
MATH 120 or higher (General Education Requirement)	3	
<b>Total Credits</b>	<b>15</b>	



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## Semester 5

PHIL 200 <sup>^</sup> (General Education Requirement)	3	<ul style="list-style-type: none"> <li>• Apply for graduation</li> <li>• Apply for jobs</li> </ul>
CSIS 261 <sup>^</sup> or 280 <sup>^</sup> (Choose one track)	3	
CSIS 262 <sup>^</sup> or 281 <sup>^</sup> (Choose one track)	3	
BIOL 101, BIOL 102, BIOL 104, BIOL 106, BIOL 110, BIOL 118, BIOL 120, BIOL 123, BIOL 125, BIOL132, BIOL 238, CHEM 101 <sup>^</sup> , CHEM 107 <sup>^</sup> , GEOG 104, GEOG 110, GEOL101, GEOL 102, GEOL 103, GEOL 110, GEOL 180, MATH 115 <sup>^</sup> , MATH 119 <sup>^</sup> , MATH 130 <sup>^</sup> , MATH 141 <sup>^</sup> , MATH 150 <sup>^</sup> , MATH 175, PHYS 101 <sup>^</sup> , PHYS 101L <sup>^</sup> , PHYS 104 <sup>^</sup> , PHYS 104L <sup>^</sup> , PHYS 106 <sup>^</sup> , or PHYS 106 <sup>^</sup> (General Education Requirement)	3-5	
Total Credits	<b>12-14</b>	
	Credits Required	<b>60*</b>

*\*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.*

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://www.mcckc.edu/programs/secure-systems-administration/>

All students are encouraged to meet with their academic advisor to develop an individualized completion plan that best meets their goals, interests, and objectives.

<sup>^</sup>Course requires a prerequisite or appropriate placement, see catalog for additional information.