



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.*

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



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Semester 5

PHIL 200^ (General Education Requirement)	3	<ul style="list-style-type: none"> • Apply for graduation • Apply for jobs
CSIS 261^ or 280^ (Choose one track)	3	
CSIS 262^ or 281^ (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^, 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	
Total Credits	12-14	
	Credits Required	60*

**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.

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