CYBERSECURITY, COMPUTER INFORMATION TECHNOLOGY, AAS

Program Code: Cyber Security-AAS

Program Description

The Associate of Applied Science, Computer Information Technology, Cybersecurity will prepare the student to apply security measures in a network setting.

Recommended Course Schedule

1st semester		Units
CIT 114	IT Essentials	4
CIT 173	Introduction to Linux	3
Elective [3]		3
English/Communications [2]		3
Mathematics [3]		3
	Semester Total	**16**
2nd semester		
CIT 112	Network +	3
CSCO 120	CCNA Internetworking Fundamentals	4
ENG 102 or ENG 114	Composition II (English/Communications) or Composition II For International and Multilingual Students	3
Human Relations		3
Elective		3
	Semester Total	**16**
3rd semester		
CIT 174	Linux System Administration	3
CIT 274	Ethical Hacking	3
CSCO 230	Fundamentals of Network Security	4
Diversity [3]		3
Fine Arts/Humanities/Social Science		3
	Semester Total	**16**
4th semester		
CS 151	Introduction to Cybersecurity	3
CIT 263	Project Management	3
Elective [3]		3
Science [2]		3
	Semester Total	**12**
	Total Units	**60**

[2] See approved General Education List for the AAS Degree (https://catalog.tmcc.edu/degrees-certificates/general-education/aas/)

[3] See program recommendations or requirements.

Program Requirements

AAS degrees are generally non-transfer degrees designed for students to enter the workforce.

To earn an AAS degree, students must:

1. Maintain a minimum cumulative GPA of 2.0 (see requirements for graduation.)
2. Complete a minimum of 15 units within the college.
3. Satisfy General Education requirements for the AAS (https://catalog.tmcc.edu/degrees-certificates/general-education/aas/).
4. Have no financial or library obligation to the college.

Code	Title	Units
General Education Requirements		
English/Communications		*6*
Recommended: BUS 107, ENG 101, ENG 107, ENG 108, COM 113 or COM 215 [1]		
Recommend:		
ENG 102	Composition II	
or ENG 114	Composition II For International and Multilingual Students	
Fine Art/Humanities/Social Science [1]		*3*
Mathematics		*3*
Recommended:		
MATH 126	Pre-Calculus I (or higher)	
Science [1]		*3*
Additional College Requirements		
Diversity [1]		*3*
Human Relations [1]		*3*
U.S. and Nevada Constitutions [1]		*[3]*
Choose a course that satisfies Fine Arts/Humanities/Social Science.		
Degree Requirements		
CIT 112	Network +	3
CIT 114	IT Essentials	4
CS 151	Introduction to Cybersecurity	3
CIT 173	Introduction to Linux	3
CIT 263	Project Management	3
Emphasis Requirements		
CSCO 120	CCNA Internetworking Fundamentals	4
CIT 174	Linux System Administration	3
CSCO 230	Fundamentals of Network Security	4
CIT 274	Ethical Hacking	3
Electives		
Choose 9 units from the following:		9
CIT 130	Beginning Java	
CIT 134	Beginning C# Programming	
CIT 180	Database Concepts and SQL	
or DATA 210	Introduction to SQL for Data Science	
CIT 216	Server+	
GRC 175	Web Design I	
Total Units		**60**

[1] Course may also count toward additional degree requirements. Please consult with Academic Advisement.

Program Outcomes

Students completing the degree will:

PSLO1: Demonstrate the technical proficiency required to recognize short-comings in security.

PSLO2: Illustrate the technical proficiency required to configure and secure a network with the industry recognized Cybersecurity measure.

PSLO3: Communicate and work effectively with other team members in a scenario-type project environment to complete the required tasks which will parallel real-world requirements.