

# AAS, COMPUTER INFORMATION TECHNOLOGY

## Cybersecurity

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

### Outcomes

Students completing this degree will:

- Demonstrate the technical proficiency required to recognize shortcomings in security.
- Illustrate the technical proficiency required to configure and secure a network with the industry recognized Cybersecurity measure.
- 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.

AAS degrees are generally non-transfer degrees that are 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 (<http://catalog.tmcc.edu/degrees-certificates/general-education/aas/>).
4. Have no financial or library obligation to the college.

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

<sup>1</sup> Course may also count toward additional degree requirements. Please consult with Academic Advisement.

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

<sup>2</sup> See approved General Education List for the AAS Degree (<http://catalog.tmcc.edu/degrees-certificates/general-education/aas/>)

<sup>3</sup> See program recommendations or requirements.