NETWORKING, COMPUTER INFORMATION TECHNOLOGY, AAS

Program Code: Comp Info Tech, Networking-AAS

Program Description

The Computer Information Technology, AAS, Networking prepares students for careers in current and emerging information system technologies such as network design, network infrastructure, networking services, and information security. Students completing the degree will find employment in areas ranging from small office/home office network administration to enterprise-scale networks.

Recommended Course Schedule

1st semester		Units
CIT 112	Network +	3
CIT 114	IT Essentials	4
English/Communications [2]		3
Mathematics [3]		3
	Semester Total	13
2nd semester		
CS 151	Introduction to Cybersecurity	3
CIT 173	Introduction to Linux	3
CIT 180 or DATA 210	Database Concepts and SQL or Introduction to SQL for Data Science	3
English/Communications [3]		3
Human Relations [2]		3
	Semester Total	15
3rd semester		
Diversity [2]		3
CSCO 120	CCNA Internetworking Fundamentals	4
Fine Arts/Humanities/Social Science [2]		3
U.S. and Nevada Constitutions [2]		[3]
Elective [3]		3-6
CIT 216	Server+	3
	Semester Total	16
4th semester		
Elective [3]		6-7
Science [2]		3
CIT 274	Ethical Hacking	3
CIT 263	Project Management	3
	Semester Total	16
	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 or ENG 114	Composition II / Composition II For International and Multilingual Students	
Fine Art/Humanities/Social Science		*3*
Recommended: the following courses also satisfy U.S. Nevada Constitutions		
PSC 101 or CH 203	Introduction to American Politics [1] / American Experiences and Constitutional Change	
Mathematics		*3*
Recommended:		
MATH 126	Pre-Calculus I (or higher)	
Science		*3*
Additional College Requirements.		
Diversity		*3*
Human Relations		*3*
U.S. and Nevada Constitutions [1]		*[3]*
Recommended:		
PSC 101 or CH 203	Introduction to American Politics / American Experiences and Constitutional Change	
Degree Requirements		
CIT 112	Network +	3
CIT 114	IT Essentials	4
CIT 173	Introduction to Linux	3
CS 151	Introduction to Cybersecurity	3
CIT 263	Project Management	3
Emphasis Requirements		
CIT 180 or DATA 210	Database Concepts and SQL / Introduction to SQL for Data Science	3
CIT 216	Server+	3
CSCO 120	CCNA Internetworking Fundamentals	4
CIT 274	Ethical Hacking	3
Electives		

TMCC
Truckee Meadows Community College

Choose 10 elective units.		10
CIT 130	Beginning Java	
CIT 134	Beginning C# Programming	
CIT 151	Beginning Web Development	
CIT 174	Linux System Administration	
CSCO 230	Fundamentals of Network Security	
Total Units		**60**

[1] Courses count toward General Education and Additional College requirements. Please consult with Academic Advisement

Program Outcomes

Students completing the degree will:

PSLO1: Demonstrate the technical proficiency required to create and maintain small to medium sized networks.

PLSO2: Illustrate the technical proficiency required to configure and secure a network with the industry recognized Cybersecurity measure, to modify the base programming for webpage troubleshooting process.

PLSO3: Students will 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.