INFORMATION TECHNOLOGY A.A.S. - NETWORK ADMINISTRATION AND SECURITY

Thomas Gallagher, Program Director

Network Administrator has become a common job title across all career fields. The Network Administration and Security concentration provides students with a background in network administration for supporting users and computing in a networked environment. Coursework in network operating systems, server administration, routers, switches, security, and IP telephony are all embedded in the Network Administration and Security concentration.

The University of Montana is a Cisco Networking Academy, IBM Academic Alliance, & a CompTIA Authorized Academy, and a member of the Microsoft Developers Network Academic Alliance. Opportunities exist for professional certification from Cisco (CCNA, CCENT, CCVA), Microsoft and Comp TIA (A+, Network+ and Security+).

Students entering the program should be prepared with basic computing skills (keyboarding, word processing, file management, and Internet applications) and adequate preparation in mathematics (completion of M 090 or equivalent placement scores). Underprepared students should allocate an additional semester to the suggested four semester sequence.

Associate of Applied Science - Information Technology; Network Administration and Security Concentration

Missoula College

Degree Specific Credits: 61-62

Required Cumulative GPA: 2.0

Catalog Year: 2018-2019
Summary

Code	Title	Hours
Information Technology Core Courses		28
Mathematics		3-4
Network Administration and Security Concentration Requirements		26
Security Course Requirement		4
Total Hours		61-62

Information Technology Core Courses

Note: Completion of IT core courses fulfills requirements for the C.A.S. in Computer Support.

Code	Title	Hours
Complete all of the following courses:		
BGEN 105S	Introduction to Business	3
CSCI 105	Computer Fluency	3
CSCI 110	Programming - VB I	3
CSCI 172	Intro to Computer Modeling	3
ITS 150	CCNA 1: Exploration	3
ITS 165	OS Commands and Scripts	3
ITS 210	Network OS - Desktop	3
ITS 280	Computer Repair & Maint.	3
ITS 289	Professional Certification	1
WRIT 101	College Writing I	3
Total Hours		28

Minimum Required Grade: C-

Mathematics

Code	Title	Hours
Complete any Mathematics course with course number 115 or higher.		3-4
Total Hours		3-4

Minimum Required Grade: C-

Network Administration and Security Concentration Requirements

Code	Title	Hours
Complete all of the following courses:		
COMX 111A	Introduction to Public Speaking	3
CSCI 215E	Social & Ethical Issues in CS	3
ITS 152	CCNA 2: Exploration	3
ITS 212	Network OS - Server Admin	3
ITS 214	Network OS - Infrastructure	3
ITS 222	Enterprise Security	3
ITS 250	CCNA 3: Exploration	3
ITS 252	CCNA 4: Exploration	3
ITS 298	Internship/Cooperative Educati	2
Total Hours		26

Minimum Required Grade: C-

Security Course Requirement

Code	Title	Hours
Complete one of the following courses:		4
ITS 271	Securing Desktop/Mobile Dev.	
ITS 273	Securing Networks	
ITS 275	Border/Perimeter Network Sec	
ITS 277	Software Assurance and File Sy	
Total Hours		4

Minimum Required Grade: C-