Network Administration and Security

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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 Admin and Security Concentration

Missoula College

Degree Specific Credits: 60
Required Cumulative GPA: 2.0
Catalog Year: 2017-2018

Summary

Information Technology Core Courses 28
Mathematics 3
Network Administration and Security Option Requirements 25
Security Course Requirement 4
Total Hours 60

Information Technology Core Courses

Rule: All courses are required

Note: Completion of IT core courses fulfills requirements for CAS in computer support.

- 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

Network Administration and Security Concentration Requirements

Rule: All courses are required

- COMX 111A Intro 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 28
Minimum Required Grade: C-

Mathematics
Rule: Any Mathematics course level 115 or higher

Security Course Requirement

Select one of the following: 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-