INFORMATION TECHNOLOGY & CYBERSECURITY A.A.S.

Victor Valgenti, Program Director

The Information Technology & Cybersecurity A.A.S. provides students the foundational skills for supporting users and computing in a networked environment. In addition, the NSA and DHS have designated Missoula College as a National Center of Academic Excellence in Cyber-Defense (CAE-CD). This degree emphasizes cyber-security at every level of information technology from simple use, to computer support and system administration. Finally, as a member of AWS Educate, Missoula College also provides expertise in Cloud computing which is a fundamental skill for the future as companies more and more move to virtual operations. This degree includes work in Operating Systems and System Administrations, Routing, Hardware Maintenance and Repair, and Scripting and Security.

The University of Montana is a Cisco Networking Academy, 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+).

Associate of Applied Science - Information Technology & Cybersecurity

Summary

Code	Title	Hours
Required Courses		63-64
Total Hours		**63-64**

Degree Specific Credits: 63-64

Required Cumulative GPA: 2.0

Required Courses

Code	Title	Hours
Complete all of the following courses:		
BGEN 105S	Introduction to Business	3
COMX 111A	Introduction to Public Speaking	3
CSCI 150	Introduction to Computer Science	3
CSCI 172	Intro to Computer Modeling	3
CSCI 215E	Social & Ethical Issues in CS	3
CSCI 240	Databases and SQL	3
ITS 150	CCNA 1: Exploration	3
ITS 152	CCNA 2: Exploration	3
ITS 165	Introduction to Operating Systems and the Command Line	3
ITS 212	Network OS - Server Administration	3
ITS 214	Network OS - Infrastructure	3
ITS 221	Project Management	3
ITS 222	Enterprise Security	3
ITS 233	Introduction to DevOps	3
ITS 250	CCNA 3: Exploration	3
ITS 274	Ethical Hacking and Network Defense	3
ITS 279	Cloud Systems	3
ITS 280	Computer Repair & Maintenance	3
ITS 289	Professional Certification	1
ITS 298	Internship/Cooperative Education	2
M 115	Probability and Linear Mathematics (or higher level mathematics course)	3-4
WRIT 101	College Writing I	3
Total Hours		**63-64**

Minimum Required Grade: C-