Cybersecurity – Certificate
30 Credits
Fall 2019

Student:
Advisor:

This certificate is for those who have industry experience or are currently nearing completion of an Information Technology field degree. Students will learn general skills related to network security and then expand those skills to more focused areas. Throughout the course work, students review and apply network security practices using multiple operating systems. Areas of focus include penetration testing, perimeter defense and Web security. The certificate will prepare students for the CompTIA Security+ certification and preparation for a job in network security.

This is the plan of study for students starting the in the fall.

Semester 1 Recommendations

Course	Course Title	Credits	Completed/Notes
CPTR 2224	Linux 1		
CPTR 1106	Microcomputer Databases		
CPTR 1001	Introduction to Programming & Scripting		
CPTR 2236	Network Security		
CPTR 1108	Cisco 1		

Semester 2 Recommendation

Course	Course Title	Credits	Completed/Notes
CSEC 2210	Security Breaches and Countermeasures		
CPTR 2234	Linux II		
CSEC 2228	Network Defense		
CPTR 1118	Cisco 2		
CPTR 2230	Structured Query Language		

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This is the plan of study for students starting the in the spring.

Semester 1 Recommendations

Course	Course Title	Credits	Completed/Notes
CPTR 1108	Cisco 1		
CPTR 2236	Network Security *		
CPTR 2224	Linux 1		
CPTR 1001	Introduction to Programming & Scripting		
CPTR 1106	Microcomputer Databases		

Semester 2 Recommendation

Course	Course Title	Credits	Completed/Notes
CSEC 2210	Security Breaches and Countermeasures		
CPTR 2234	Linux II		
CPTR 1118	Cisco 2		
CSEC 2228	Network Defense		
CPTR 2230	Structured Query Language		

* Student must complete CPTR 2272 Network Operating System before registering for this class.

Web Sites:
http://www.minnesota.edu   http://brazil.minnesota.edu