Network Security

Program Description

This certificate program is designed for networking professionals seeking to enhance their skill set in designing and implementing hardware-based network security measures. The five courses are currently integrated with the Technology Masters Degree program as an area of specialization. The courses would also serve as electives for other CHST graduate programs.

Program Objectives

Students will gain the most recent skills and knowledge in securing the corporate network infrastructure. Specific objectives include:
- Security policy design and management.
- Security technologies, products, and solutions.
- Firewall and secure router design, installation, configuration, and maintenance.
- Intrusion Prevention (IPS) implementation using routers and firewalls.
- Virtual Private Network (VPN) implementation using routers and firewalls.

SCHOOL OF TECHNOLOGY
GRADUATE PROGRAMS
ucmo.edu/technology
Program Coordinator - Dr. Suhansa Rodchua
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Admission to the Program

To be admitted applicants must have completed a baccalaureate degree from an accredited college or university with a GPA of 2.5 overall. Contact your advisor and instructor for consent to enroll in this sequence of courses. Applicants must also demonstrate proficiency in English communication and an ability to work in a technology management-driven environment.

1. Contact the Graduate and International Student Services at 660-543-4092. The application form is available at:
   www.ucmo.edu/future-students/admissions/graduate-admissions/
2. Provide undergraduate transcripts and pay application fee.
3. GRE scores are not required for certificate study.

This program is a non-degree graduate program. However, courses completed as part of the certificate curriculum can be included in a program of study leading to a Master of Science degree. The School of Technology graduate coordinator and advisor will advise students and confirm completion of certificate requirements.

Requirements for the Graduate Certificate

1. Be accepted for admission to the certificate program by the Graduate and International Student .. Services.
2. Complete the 15 credit hours, maintain a minimum 3.0 GPA.
3. Complete the program within six years, and meet any additional standards and requirements of the Graduate School.

Courses Offered:

Course number	Course Title	Credit hours
NET 5100	Network Device Configuration	3
NET 5500	Managerial Design for Secure Networks	3
NET 5501	Network Security Management I	3
NET 5502	Network Security Management II	3
INDM 5160	Organizational Dynamics	3