

Information Systems Security (A25270)

Information Systems Security covers a broad expanse of technology concepts. This curriculum provides individuals with the skills required to implement effective and comprehensive information security controls. Course work includes networking technologies, operating systems administration, information policy, intrusion detection, security administration, and industry best practices to protect data communications. Graduates should be prepared for employment as security administrators. Additionally, they will acquire the skills that allow them to pursue security certifications.

Information Systems Security is designed to prepare students for a variety of roles within the IT Security and broader IT fields. In the Post 9/11 environment IT Security has become critical. Privacy, Identity Theft, liability issues and loss of critical business functions have caused firms to consider IT security a core business requirement. This field expects explosive growth for at least the next decade.

Students receive significant hands on experience in the study of Security Infrastructure and Administration. The primary emphasis will be the implementation of a secure, reliable and robust network infrastructure and directory service environment. The program leads to an AAS degree.

Degree Awarded

The Associate in Applied Science Degree in Information Systems Security is awarded by the College upon completion of this program.

Admissions

- A high school diploma or equivalent is required.
- Placement tests determine placement in English (ENG), mathematics (MAT), and CIS 115.
- Many courses have prerequisites or corequisites; check the Course Descriptions section for details.

Note: Students may see Program Chair to obtain a plan for completing the program in five (5) terms while enrolled full-time.

Contact Information

The Information Systems Security program is in the Information Technology Division. For more information, call 704.330.6464 or 704.330.6549.

Major and Related Course Requirements

Class	Lab	Hours Clinical	Work Exper.	Credits	
CIS 115 Introduction to Programming & Logic	2	2	0	0	3
DBA 110 Database Concepts	2	3	0	0	3
NET 125 Networking Basics	1	4	0	0	3

NET 126 Routing Basics	1	4	0	0	3
NOS 110 Operating System Concepts	2	3	0	0	3
NOS 130 Windows Single User	2	2	0	0	3
SEC 110 Security Concepts	3	0	0	0	3
SEC 150 Secure Communications	2	2	0	0	3
SEC 160 Secure Administration I	2	2	0	0	3
SEC 210 Intrusion Detection	2	2	0	0	3
SEC 220 Defense-in-Depth	2	2	0	0	3
SEC 289 Security Capstone Project	1	4	0	0	3
CIS 110 Introduction to Computers	2	2	0	0	3
NOS 120 Linux/UNIX Single User	2	2	0	0	3
CTS 115 Information Systems Business Concepts	3	0	0	0	3
NET 225 Routing and Switching I	1	4	0	0	3
NET 226 Routing and Switching II	1	4	0	0	3
General Education Requirements					
ENG 111 Expository Writing	3	0	0	0	3
ENG 114 Professional Research & Reporting	3	0	0	0	3
COM 110 Introduction to Communication	3	0	0	0	3
Mathematics					3
Students must select a minimum of three (3) credit hours of approved mathematics courses from the list at the end of this section of the catalog.					
Humanities/Fine Arts					3
Students must select a minimum of three (3) credit hours of approved humanities/fine arts courses from the list at the end of this section of the catalog.					
Social/Behavioral Sciences					
Students must select a minimum of three (3) credit hours of approved social/behavioral science courses from the list at the end of this section of the catalog.					
Total Credit Hours					66