

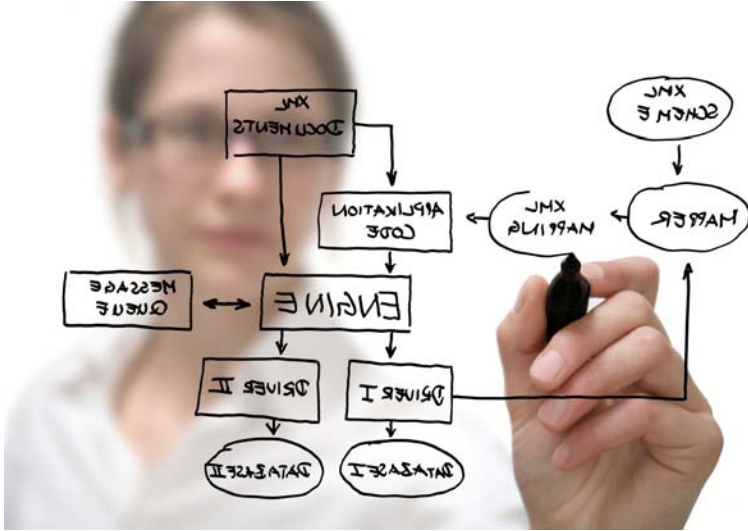
Associate in Applied Science

Information Systems Security (A25270)

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Overview

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.

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.

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.

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The program leads to an AAS degree.

Optimum / Recommended Plan of Study

Semester 1 (Fall):

	Class	Lab	Credits	
CIS 110	Introduction to Computers	2	2	3
NOS 110	Operating Systems Concepts	2	3	3
NET 125	Networking Basics	1	4	3
NET 126	Routing Basics	1	4	3
ENG 111	Expository Writing	3	0	3
				<u>15</u>

Semester 2 (Spring):

NOS 120	Linux/Unix Single User	2	2	3
NOS 130	Windows Single User	2	2	3
SEC 110	Security Concepts	3	0	3
NET 225	Routing & Switching I	1	4	3
NET 226	Routing & Switching II	1	4	3
				<u>15</u>

Summer:

ENG 114	Professional Research & Reporting	3	0	3
	(ENG 112 or ENG 113 may substitute)			
COM 110	Introduction to Communication	3	0	3
	(COM 120 or COM 231 may substitute)			
	Mathematics Elective			<u>3</u>
				9

Semester 3 (Fall):

CIS 115	Introduction to Programming	2	2	3
SEC 150	Secure Communications	2	2	3
SEC 160	Secure Administration I	2	2	3
SEC 220	Defense-in-Depth	2	2	3
	Behavioral / Soc. Science Electives			<u>3</u>
				15

Semester 4 (Spring):

CTS 115	IS Business Concepts	3	0	3
DBA 110	Database Concepts	2	3	3
SEC 210	Intrusion Detection	2	2	3
SEC 289	Security Capstone Project	1	4	3
	Humanities / Fine Arts Elective			<u>3</u>
				15

Total Credit Hours: 69

Use Information Technology To Get There!

FIRST STEP TO ENROLL:
Complete online admission form.

Consult a faculty advisor or College counselor prior to registration.

For More Information:
Consult Faculty Advisor in the Heading.

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