

INFORMATION SYSTEMS SECURITY, CERTIFICATE

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Requirements for an undergraduate certificate may be completed at any campus location offering the specified courses for the certificate.

Program Description

By earning this 17 credit certificate in Information Systems Security, the learner will gain knowledge to identify and resolve potential security problems before they become serious and costly. The successful student will be proficient in computer networking and security for both wired and wireless systems, installation and configuration of firewalls and intrusion detection and prevention, risk analysis and management, security management using policies and access control, fault tolerance, disaster recovery planning, computer forensics and investigations, cryptography, and physical security.

Program Requirements

To earn an undergraduate certificate in Information Systems Security, a minimum of 18-19 credits is required.

Code	Title	Credits
Prescribed Courses		
IST 210	Organization of Data	3
IST 220	Networking and Telecommunications	3
IST 250	Introduction to Web Design and Development	3
IST 402	Emerging Issues and Technologies	3
IST 451	Network Security	3
Select one of the following:		3-4
IST 110	Information, People and Technology	
CMPSC 203	Introduction to Spreadsheets and Databases	
CMPSC 101	Introduction to Programming	
MIS 204	Introduction to Management Information Systems	

No Prerequisites Required.

Academic Advising

The objectives of the university's academic advising program are to help advisees identify and achieve their academic goals, to promote their intellectual discovery, and to encourage students to take advantage of both in-and out-of class educational opportunities in order that they become self-directed learners and decision makers.

Both advisers and advisees share responsibility for making the advising relationship succeed. By encouraging their advisees to become engaged in their education, to meet their educational goals, and to develop the habit of learning, advisers assume a significant educational role. The advisee's unit of enrollment will provide each advisee with a primary academic adviser, the information needed to plan the chosen program of study, and referrals to other specialized resources.

READ SENATE POLICY 32-00: ADVISING POLICY (<https://senate.psu.edu/policies-and-rules-for-undergraduate-students/32-00-advising-policy/>)

Altoona

Jungwoo Ryoo
101 Eiche Library

Academic Advising

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