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## SECTION HEADING

### CST 1200: Introduction to Information Security

#### Description

Introduction to Information Security introduces the basics of computer security with integrated hands-on labs. The course prepares students to effectively protect information assets by identifying security threats, vulnerabilities, and their countermeasures. Topics include broad range of today's security challenges, common security threats and countermeasures. This course covers most of the objectives in the CompTIA Security+ exam.

#### Credits

4

#### Topics to be Covered

1. Security Basics
2. Physical security
3. Network Defenses
4. Wireless Network Security
5. Vulnerability Assessments
6. Host Security
7. Cryptography
8. Application security
9. Data Security

#### Learning Outcomes

1. Explain computer and information security issues using technical vocabulary.
2. Familiar with example technologies employed to provide security controls over information and computing resources in processing and communications.
3. Skillful in using products on the market being used to provide asset protection of these resources.
4. Understand the basic concepts of computer security, its basic technological characteristics, and technical implementations
5. Describe basic security vulnerabilities and controls, including hardware, software, application security and network security.

#### Credit Details

Lecture: 2

Lab: 2

OJT: 0