

Syllabus for APC 420 Computer Security I

NOTE: This syllabus document contains the basic information of this course. The most current syllabus is available in the full course.

Course Description

This course covers topics spanning security and risk management, security engineering, identity and access management, and security operations. Topics include cryptography, access control models, malicious software and countermeasures, security policy, security model, trust, vulnerability assessment, security standards and evaluation, administration and auditing, and secure storage.

Prerequisite(s)

APC 350: Programming II

Course Outcomes

Upon completing this course, you will be able to do the following:

- Understand the fundamental concepts of security models, protocols, and cryptography.
- Evaluate the security risk posed by malicious software and mitigate the risk.
- Administrate and audit security policies and access control models.
- Assess security vulnerabilities and apply security standards.

Course Requirements/Components

- Homework Assignments
- Exam

Grading

The following grading scale will be used to evaluate all course requirements and to determine your final grade:

Grade	Percentage Range
A	90% - 100%
B	80% - 89%
C	70% - 79%
D	60% - 69%
F	0% - 59%

Evaluation Methods	Percentage of final grade
Homework Assignments	84%
Exam	16%