

**SEC 300 – Introduction to Security**

**Credit Hours:** 3

**Scheduled hours per week**

Lecture: 3

Lab: 0

Other: 0

**Catalog Course Description:** This class addresses real-world business challenges and provides hands-on exercises working with corporate security policies, practices, and procedures. Students will learn topics such as working with acceptable use policies, cryptography, common attackers, and business communications in real-world security situations.

**Pre-requisites:**

**Co-requisites:** List

**Course Learning Outcomes:**

- To understand the need for security, as well as the policies, tools, and techniques needed to effectively manage and maintain an information security infrastructure
- To prepare students for the CISSP industry certification

**Topics to be studied:**

- Information Security and Risk Management
- Access Controls
- Software Development Security
- Business Continuity and Disaster Recovery Planning
- Cryptography
- Legal, Regulations, Investigations, and Compliance
- Security Operations
- Physical and Environmental Security
- Security Architecture and Design
- Telecommunications and Network Security

**Relationship of Course to Program or Discipline Learning Outcomes:**

	Ability to understand, plan, and execute good Project Management
✓	Ability to recognize and apply industry recognized code of ethics to various situations
✓	Ability to understand and apply Information Security concepts and best practices
	Ability to plan, implement, and troubleshoot Advanced Routing and Switching technologies
	Ability to plan, implement, and troubleshoot Advanced Systems Administration technologies
	Ability to plan, implement, and troubleshoot Advanced Security Systems
✓	Ability to understand, plan, and implement good Systems Analysis and Software Engineering
	Ability to understand, plan, implement, and troubleshoot Mobile Applications and related technologies
	Ability to understand, plan, implement, and troubleshoot Advanced Web Design and Web Services technologies

<b>Relationship of Course to General Education Learning Outcomes:</b>	
<b>Composition and Rhetoric</b> Students illustrate a fundamental understanding of the best practices of communicating in English and meet the writing standards of their college or program-based communication requirements.	✓
<b>Science &amp; Technology</b> Students successfully apply systematic methods of analysis to the natural and physical world, understand scientific knowledge as empirical, and refer to data as a basis for conclusions.	✓
<b>Mathematics &amp; Quantitative Skills</b> Students effectively use quantitative techniques and the practical application of numerical, symbolic, or spatial concepts.	✓
<b>Society, Diversity, &amp; Connections</b> Students demonstrate understanding of and a logical ability to successfully analyze human behavior, societal and political organization, or communication.	
<b>Human Inquiry &amp; the Past</b> Students interpret historical events or philosophical perspectives by identifying patterns, applying analytical reasoning, employing methods of critical inquiry, or expanding problem-solving skills.	✓
<b>The Arts &amp; Creativity</b> Students successfully articulate and apply methods and principles of critical and creative inquiry to the production or analysis of works of art.	
<b>5/3/2016</b>	

**Special requirements of the course:**

You will need a computer with an Internet connection

**Additional information:**

**Prepared by:** Charles Almond

**Date:** 11/01/2017