Information Security Principles
Outline of Instruction

Course Information
Organization: MONROE COUNTY COMMUNITY COLLEGE
Developers: William Hilliker
Course Number: IAS 103
Division: Business
Potential Hours of Instruction: 45
Total Credits: 3

Description
Provides an introduction and overview of information security/assurance for incoming students. This course will enhance technical, communication, problem solving and teaming skills, as they relate to the study of Information Security and Information Assurance. This course will also cover a broad spectrum of pertinent IS/IA base information, including voice and data network connectivity. In addition an introduction to cryptography, intrusion detection systems, data firewalls, malicious software, information operations and warfare, and denial of service attacks, regulations, law and governance.

Exit Learning Outcomes
Program Outcomes
A. Demonstrate knowledge of the profession, its organizations, goals and leadership roles, literature/publications, issues, and research foundations.
B. Demonstrate foundation knowledge of information security/assurance within the organization.
C. Demonstrate knowledge of security objectives and policy development.

Course Outcomes
In order to evidence success in this course students will be able to:
1. Define information assurance
2. Describe the five tenets of information security
3. Identify the 10 steps involved in responding to information risks, threats and vulnerabilities
4. Identify and describe seven compliance laws
5. Describe the seven domains of a typical IT infrastructure
6. Describe the four parts of Access Controls
7. Detail Cryptography
8. Identify and describe three Information Security Standards
9. Identify and describe the four Information Security Education and training areas
10. Describe the three genre of Information Security Professional Certifications