CIS 106 – Introduction to Information Technology

Course Description

This course provides a foundational overview to the discipline of information technology that illuminates key computing concepts and describes how those concepts relate to other computing disciplines. Students are presented the diverse context in which information technology is used and the challenges inherent in the diffusion of innovative technologies.

Instructional Materials

Anderson, G., Ferro, D., and Hilton, R. (2011). *Connecting with computer science* (2nd ed.). Boston: Course Technology, Cengage Learning.

Course Learning Outcomes

1. Explain how the components of information technology systems interrelate.
2. Distinguish among the complexities in information technology to include abstraction, modeling, versioning, standards, and use of appropriate tools.
3. Explain the complexities in an information technology environment by applying best practices and using appropriate technologies and methodologies.
4. Describe the role of the information technology professional as the user advocate.
5. Demonstrate why adaptability and interpersonal skills are important to an information technology professional.
6. Illustrate the use of information and communication technologies to solve problems as an information technology professional.
7. Outline why the Information Assurance and Security perspective needs to pervade all aspects of information technology.
8. Explain how organizational context is influenced by the development and deployment of information technology systems.
9. Evaluate the ethical concerns that information technologies raise in society, and the impact of information technologies on crime, terrorism, or war.
10. Use technology and information resources to research issues in information technology.
11. Write clearly and concisely about introductory information technology topics using proper writing mechanics and technical style conventions.