

## **CIS Program Level Student Learning Outcomes**

### **Students who complete CIS will be able to:**

1. Apply software development techniques that use the correct syntax and semantics of a programming language to write the source code to implement and test/debug a specified design.
2. Design a web site for a company's present business model and marketing needs.
3. Describe and design a network system using network concepts, architectures, and the OSI model.
4. Recognize and describe the personal computer hardware components.
5. Install, configure and upgrade personal computer operating systems.
6. Plan, design and construct a working computer network including appropriate Local Area Network (LAN) and Wide Area Network (WAN) connections and protocols.
7. Demonstrate Database creation and maintenance.
8. Discuss looping.
9. Demonstrate the creation of a document.
10. Demonstrate the creation of an electronic spreadsheet.
11. Demonstrate the creation of a graphics presentation.