

## **CIS 233 - Systems Analysis**

### **5.0 Credits**

A practical approach to real world systems analysis and design. Includes the systems development life cycle, structured methodologies and project planning. A case study project is analyzed, requirements are written and a systems design specification document is prepared.

Prerequisite: Completion of at least 45 credits toward an ATA degree or [CIS 116](#) and completion of at least one writing requirement or equivalent experience.

### **Course Objectives**

Upon successful completion of this course, students will be able to:

1. Describe the phases of a systems development lifecycle. [COMMUNICATE]
2. Use root-cause analysis techniques to define the scope of a system problem. [REASON]
3. Use industry-standard modeling methods to examine and diagram the components of a system. [COMMUNICATE]
4. Identify and write functional requirements for a system. [COMMUNICATE]
5. Research and compare possible solution options to meet system requirements. [REASON]
6. Evaluate and rate feasibility of potential options. [REASON]
7. Propose a solution that would meet defined requirements. [COMMUNICATE]