

- ▼ K2W Information Systems Technology AAS Template (LF298.InfoSystemsTech.Template.K2W)
- Program Information
- K2W Support Team
- IT Professions
- Web Page Design
- Database Fundamentals
- Network Concepts
- Principles of IS
- Microcomputer OS
- Software Design
- Systems Analysis
- Weekly Interaction
- Competency Progress
- K2W Website
- LFCC Help & Support
- Library Help

- Course Management**
- ▼ Control Panel
 - ▶ My Files
 - ▶ Course Tools
 - ▶ Evaluation
 - ▶ Grade Center
 - ▶ Users and Groups
 - ▶ Customization
 - ▶ Packages and Utilities
 - ▶ Help

Quick Unenroll

Principles of IS

Build Content Assessments Tools Partner Content Discover Content



Introduction and Procedures

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This topic area will demonstrate competency in role of computers in business today including hardware, software, analysis, design, and implementation of information systems. This includes topics such as computer ethics, business and personal security, programming, system development, spreadsheets, database, and Web design applications.

A student must achieve a minimum of 80% or 298 points of the total points 372 allowed for this competency.

Completion of the following tasks are required:

1. **Four (4) Competency Based Assignments**
2. **Principles of IS Competency Assessment #1** (An assessment using multiple choice type questions; student gets two attempts to achieve the required score.)
3. **Principles of IS Competency Assessment #2** (An assessment similar in format to assessment #1 with 1 essay to cover other materials; Student gets two attempts to achieve the required score)
4. **Principles of IS Competency Assessment #3** (An assessment of multiple choice. Students get two attempts to achieve the required score.)

Furthermore, in order to assist the student, Digital resources are provided as learning tools to enhance the student's knowledge as preparation for accomplishing any of these tasks.



Required Competencies to Achieve

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- Differentiate among various operating systems.
- Explain the process of authentication and authorization between end-user devices and computing network resources.
- Identify a variety of assistive or adaptive technologies and universal design considerations.
- Identify basic components of an end-user IT system.
- Summarize life-cycle strategies for replacement, reuse, recycling IT technology and resources.
- Summarize strategies to support or train users with their IT resources.
- Use a variety of practices for making end-user systems secure.
- Differentiate between public and private data.
- Discuss issues relevant to dealing with very large data sets, both structured and unstructured.
- Use data analytics to support decision making for a given scenario.
- Differentiate among data types, data transfer protocols and file characteristics specific to the targeted use.
- Diagram the components of an integrated IT system.
- Discuss software development methodologies.
- Summarize the differences among various programming languages.
- Differentiate among strategies for business continuity provisioning of IT resources at the enterprise level.
- Identify a variety of enterprise-level digital storage technologies.
- Summarize the implications of various cloud computing models.
- Summarize the security implications and risks for distributed IT systems.
- Discuss significant trends and emerging technologies and their impact on our global society.
- Demonstrate professional behavior in response to an ethically-challenging scenario in computing.
- Describe IT procurement processes for goods and services.
- Summarize the role of IT in supporting the mission and goals of an organization.



Digital Learning Resources

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These learning resources will help you learn the principles of information systems.

This folder contains digital learning resources that cover the competency areas.

- It is recommended that the learner review this information prior to taking the two assessments.
- If a score of at least 80% is not earned on both assessments and the addressing assignment, the learner should review this material before attempting the assessment again



Info Systems Competency Based Assignments

Folder contains exercises to assess skills of the student. Total max points is 205. (80% = 164)



Principles of Info Systems Competency Assessment #1

Concepts of terminology and usage in the informations systems world. Max is 47 points. (80% = 38 points)



Principles of Info Systems Competency Assessment #2

Info systems scenarios and additional concepts. Max is 50 points (80% = 40 points)



Principles of Info Systems Competency Assessment #3

Comprehensive understanding of materials. Max is 70 points. (80% = 56 points)

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