

Microcomputer OS

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Introduction and Procedure

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This topic area will demonstrate competency in the use of operating system utilities and multiple-level directory structures, creation of batch files, and configuration of microcomputer environments.

A student must achieve a minimum of 80% of the total points allowed for this competency. That equates to 650 points out of 813 points. How this score is calculated can be found as descriptions under the various topics. Do not assume that each task is successfully accomplished if 80% is achieved for that particular task. Take notice of the variances.

Completion of the following tasks are required:

- Operating Systems Competency LabConnection Assignment:** (Complete 31 virtual labs These labs can be accessed via the Operating System Competency Lab link given below. Since the student will need to purchase an access code for these labs, a link is also provided below to do that.)
- Operating System Competency Assignment** (Click on the folder name and the assignment is within that folder. Please read the background information prior to starting this.)
- Operating System Competency Assessment #1** (An assessment using multiple choice, and short answer and essay type questions; student gets two attempts to achieve the required score.)
- Operating System Competency Assessment #2** (An assessment similar in format to assessment #1 cover other materials; Student gets two attempts to achieve the required score)
- Operating System Competency Assessment #3** (An assessment similar in format to assessment #1 cover other materials; Student gets 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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- Carry out trouble-shooting strategies for resolving an identified end-user IT problem.
- Differentiate among various operating systems.
- Explain the process of authentication and authorization between end-user devices and computing network resources.
- Use a variety of practices for making end-user systems secure.
- Implement an application of virtualization.
- Use communication, negotiation, and collaboration skills as a member of a diverse team.
- Describe the attitudes, knowledge and abilities associated with quality customer service.
- Use documentation or a knowledge base to resolve a technical challenge in an identified computing scenario.
- Summarize the tenets of ethics and professional behavior promoted by international computing societies



Digital Learning Resources

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Contains online resources to help the student prepare for the tasks and assessments within this domain.



Lab Connection Purchasing

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- The student must purchase the access code to complete LabConnection (Online Labs) Assignment
- All labs must be completed
- A score of at least 80% must be earned on each lab before points are awarded. See details under the LabConnection assignment.

A+ Software (Microsoft Windows)

Lab access codes (A+ Guide to Software) can be purchased at: <http://www.cengagebrain.com/shop/search/9781305211292>.



Operating Systems LabConnection Assignment

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This Assignment folder contains the portal to direct connect to LabConnection virtual labs.



Operating System Competency Assignments

- 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

Several tasks are included within this folder.



Operating Systems Competency Assessment #1

Command line instructions 125 points (80% is 100 points)



Operating Systems Competency Assessment #2

125 points (80% success is 100 points)



Operating Systems Competency Assessment #3

Total points is 215 (80% is 172 points)



Microcomputer OS

Enabled: Adaptive Release

To earn this a student must:

- Hold an active A+ software certification

Or

- Earn at least 80% on the Virtual Labs
- Earn at least 80% on both competency assignment
- Earn at least 80% on all three operating system assessments (individually scored)

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