

CREDIT FOR PRIOR LEARNING EXAMINATION

CIT 130 – INFORMATION TECHNOLOGY FUNDAMENTALS

Course Description

CIT 130 Information Technology Fundamentals (3 credits)

Introduction to the organization of computers, operating systems, and networks; comparison of common operating systems; hands-on experience in PC construction and configuration; data representation; overview of the information technology industry and its societal context.

Study Resources

Campbell, J., Ciampa, M., Clemens, B., Freund, S. M., Hooper, R., Ruffolo, L., & West, J. (2020). *Technology for success: Computer concepts* (1st ed.). Cengage. ISBN 9780357685815

Exam Details

It is recommended to download and review the CIT 130 syllabus.

The exam covers the following concepts:

- Understanding the major pillars of information technology, including:
 - Data and Privacy
 - Internet Technologies
 - Cybersecurity
 - Networking
 - Applications and Software
 - Operating Systems
 - Hardware
 - Databases
 - Coding fundamentals
- Identifying the components of a contemporary computer and understanding how they work together
- Understanding how operating systems manage hardware, software, files, and processes
- Explaining how networks and the internet function, including basic protocols and security practices
- Demonstrating an understanding of cybersecurity principles such as confidentiality, integrity, availability, and safe computing behaviors
- Interpreting and converting between binary and decimal number systems and describing the relationship between binary data and modern computing
- Applying IT concepts to real-world scenarios involving privacy, security, networking, and basic problem-solving.



Testing Services
University Center 101
(859) 572 – 6373
testing@nku.edu