

## Fundamentals of Networking Certificate of Accomplishment - Active

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Department: Computer Networking & Information Technology

Approval: December 2012

This certificate provides a solid core of the concepts and terminology, and introduction and overview of all aspects of computer networking, including components and principles of local and wide area networking and the Internet. Students who complete this certificate will be ready to undertake further study and advance to more specific industry training in order to be qualified for entry-level positions in network administration.

### Learning Outcomes

Upon completion of this program, students will be able to:

- Define the major hardware components of computers and network devices.
- Describe the role of operating systems including network operating systems.
- Compare and contrast the OSI and TCP/IP networking models and their related protocols.
- Create a simple web site using HTML and upload it on a server.
- Explain the role of switches and routers in LANs and WANs.

Students must complete each course with a grade of "C" or higher. A grade of Pass/No Pass cannot be applied towards CNIT degrees or certificates.

The minimum time for completion of this certificate is 2 semesters. Completion time will vary based on student preparation and number of classes completed per semester.

### *Courses Required for the Certificate of Accomplishment in Fundamentals of Networking*

Course	Units
<b>Required courses:</b>	
CNIT 103 - Computer Hardware	3.00
CNIT 104 - Operating Systems Technologies	3.00
CNIT 106 - Introduction to Networks	3.00
CNIT 131 - Internet Basics and Beginning HTML	3.00
Total:	12.00
<b>Total:</b>	<b>12.00</b>

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