This course supports the assessments for Networks. The course covers 6 competencies and represents 4 competency units.

Introduction

Overview
As a networking professional, you are expected to understand networking components and be able to troubleshoot, install, maintain, configure, and manage basic networking infrastructures. The demand for networking professionals is on the rise; and professionals with networking and communications skills typically earn more than those without networking skills.

This course focuses on the practices of designing, describing, evaluating, implementing, maintaining, and securing computer networks.

Watch the following video for an introduction to this course:

*Note: To download this video, right-click the following link and choose “Save as...”: [download video].*

Competencies
This course provides guidance to help you demonstrate the following 6 competencies:

- **Competency 419.3.1: Network Topologies**
  The graduate distinguishes and explains network topologies, including protocols, ports, addressing schemes, routing, and wireless communication standards.

- **Competency 419.3.2: Media and Topologies**
  The graduate differentiates and explains physical and logical topologies, including wiring standards.

- **Competency 419.3.3: Network Devices**
  The graduate differentiates and installs/configures network devices.

- **Competency 419.3.4: Network Connectivity and Performance Methodologies**
  The graduate identifies appropriate methodologies for troubleshooting network connectivity and performance issues in a given network environment.

- **Competency 419.3.5: Network Troubleshooting Utilities and Analysis**
  The graduate uses hardware and software utilities to track and maintain network performance in optimized state.

- **Competency 419.3.6: Network Security Devices**
  The graduate differentiates and explains network security devices and methods for troubleshooting common security threats.

Course Instructor Assistance
As you prepare to successfully demonstrate competency in this subject, remember that course instructors stand ready to help you reach your educational goals. As subject matter experts, mentors enjoy and take pride in helping students become reflective learners, problem solvers,
and critical thinkers. Course instructors are excited to hear from you and eager to work with you.

Successful students report that working with a course instructor is the key to their success. Course instructors are able to share tips on approaches, tools, and skills that can help you apply the content you're studying. They also provide guidance in assessment preparation strategies and troubleshoot areas of deficiency. Even if things don’t work out on your first try, course instructors act as a support system to guide you through the revision process. You should expect to work with course instructors for the duration of your coursework, so you are welcome to contact them as soon as you begin. Course instructors are fully committed to your success!

Preparing for Success

The information in this section is provided to detail the resources available for you to use as you complete this course.

Learning Resources

uCertify has been chosen as the primary learning resource for this course. When you are ready to begin, click the "Launch Course" button:

Launch Course

Course Tips

Preassessment and Postassessment

As you prepare to complete this course you may want to take the preassessment or postassessment. These assessments may show that you have sufficient competency in specific topics. You have the choice to skip over the lessons representing those topics. Going through the course from beginning to end is beneficial as it builds on itself in complexity. If the material is new to you from the start it is best to start at lesson 1 and complete all of the practice materials to the end.

Direct access to the uCertify Preassessment and Postassessment:

113 questions - 90 minutes for completion

Preassessment

If you believe you have previous knowledge of most or all topics covered in this course, start by taking the uCertify postassessment before you begin and use its results to focus your studies. To confirm mastery, your score should be at least 90% and be taken in “Test Mode.”

120 questions - 90 minutes for completion
Based on the results of these assessments, your course instructor can help you develop a study plan. These assessments may be taken multiple times.

When you take this preassessment, you should avoid:

- studying in advance
- looking up the answers along the way
- guessing at the answer instead of knowing the answer

**uCertify Course Structure**

uCertify modules are constructed in a manner to build off previous lessons. Each module contains:

- videos
- lecture/exam essentials
- labs and quizzes
- review questions
- flash cards
- exercises

**CompTIA Candidate Agreement**

If you decide to use other learning resources, particularly those found online, make certain that none qualify as a brain-dump. Using them can result in academic sanctions and loss of your certification.

Please see the full [CompTIA Candidate Agreement](#).

**Pacing Guide**
The pacing guide suggests a weekly structure to pace your completion of learning activities. It is provided as a suggestion and does not represent a mandatory schedule. Follow the pacing guide carefully to complete the course in the suggested timeframe.

Week 1
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Week 2
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Week 3
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Week 4
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Week 5
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Week 6
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Week 7
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Week 8
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Final Steps

First Attempt Check List

One of the many things that makes WGU unique is its competency based education model. If you know the material, all you have to do is prove it by passing the exam. If you can do this, you can accelerate the receipt of your degree.

To make sure you have the best chance possible to pass the exam on your first attempt, the following should be completed before you refer to take it:

- Go through the course of study in its entirety. Mark each section as complete as you progress.
- Complete uCertify in its entirety. Ensure that all in-section quizzes, labs, exercises, and post-quizzes are completed with a 90% or higher.
- Pass two of the practice exams with a 90% or higher in Test Mode.
- Pass the Post-Assessment in Test Mode in uCertify with a 90% or greater.
- Spend at least 6–8 weeks studying.

After completing the above sections and passing, please speak to your program mentor to have your voucher emailed to you.

If you do not pass your first attempt, you will be required to contact a course instructor for a study plan to ensure your second attempt is a success. Once the course instructor feels you are ready to refer for the second attempt of the exam, he or she will approve your second exam referral.

Outside Vendor Assessment Information to complete the CompTIA Network+ (2014) Exam

For directions on how to receive access to outside vendor assessments, see the “Accessing Objective and Outside Vendor Assessments” page.

Submitting Outside Vendor Assessment Scores

After completing an outside vendor assessment, follow the directions for submitting a score report on the “Following Outside Vendor Assessments” page.