The assessment used to evaluate competence for this course of study is the CompTIA Network+ Certification exam, 2009 edition, which represents your ONV2 objective assessment. This course of study may require up to 7 weeks to complete. This assessment is worth 6 CUs.

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. According to the Foot Partners 2008 IT Salary and Skills Guide (2007), professionals with networking and communications skills earn 9% to 12% more than those without networking skills.

The skills and knowledge measured by this examination are derived from a survey of information security professionals from around the world and are also based on the CompTIA Network+ Certification (2009 Edition). The results of this survey were used in weighing the subject areas and ensuring that the weighting is representative of the relative importance of the content.

Network Security Part 1 focuses on the practices of designing, maintaining, and securing computer networks. This component of your work at WGU is designed to help you gain a broad overview of the field of network management with a fundamental understanding of some key concepts and principles, particularly as they relate to network security. Students who pass the assessment will have demonstrated competency and the necessary skills for describing, evaluating, implementing, securing and managing a computer network.

Note: To use LabSim (i.e., the primary learning resource for this course of study), your computer must be running Microsoft Windows XP/Vista/7 and meet the minimum hardware and software system requirements provided on the LabSim website.

Outcomes and Evaluation
There are 7 competencies covered by this course of study; they are listed in the "Competencies for Network Security Part 1 (ONV2)" document.

The CompTIA Network+, 2009 Edition,

- is composed of 100 questions, randomly selected from a pool of questions.

Once you submit proof of your passing score (i.e., mail/fax your score report) to Western Governors University (WGU), your result will be recorded in your Degree Plan.

Preparing For Success
To successfully complete Network Security Part 1, you need the appropriate resources to aid your learning. You should also prepare a calendar to schedule time devoted to your studies. Share your calendar with family and friends so that they are aware of your obligations.

**Your Learning Resources**

Enroll in or order the learning resources for this course as early as possible so as to give them time to arrive and give you enough time to become familiar with them.

*Note: 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.*

*Note: Please see the full [CompTIA Candidate Agreement](#)*

**Automatically Enrolled Learning Resources**

You will be automatically enrolled at the activity level for the following learning resources. Simply click on the links provided in the activities to access the learning materials.

**LabSim**

You will be linked to the following resource within the activities for this course of study:

- LabSim by TestOut, Networks+ (2009)

This is the learning resource for this course of study; readings therein are available online for you to access when you need them.

*Note: To use LabSim (i.e., the primary learning resource for this course of study), your computer must*

- be running Microsoft Windows XP/Vista/7 and
- [meet the minimum hardware and software system requirements provided on the LabSim website](#)

**Optional SkillSoft Books24x7 E-Text**

You may also supplement your learning by using the following text from SkillSoft Books24x7:

  
  ISBN: 9780071614870

*Note: If you choose to use this resource, see the "LabSim Networks+ Courseware Mapping" document to see how LabSim has mapped this textbook to the activities in their learning resource.*

*Note: These e-texts are available to you as part of your program tuition and fees, but you may purchase hard copies at your own expense through a retailer of your choice. If you choose to do so, please use the ISBN listed to ensure that you receive the correct edition.*
uCertify
You will access the following resource from uCertify at the activity level within this course of study:


Note: The online version of the uCertify learning resource is provided to you by WGU as part of your enrollment. If you wish to use the offline version, you may purchase it yourself from uCertify.

Additional Preparation
There are many different learning tools available to you within your course of study in addition to the learning resources discussed above. Some or all of them may be very useful to you as your progress through this course of study. Take the time to familiarize yourself with them and determine how best to fit them into your learning process.

The following activities and information will help you as you work through this course of study.

Prepare for Your Studies

Begin now to prepare for your studies.

The key to success with these exams is repetition and attention to detail. There is much to memorize and associate.

- Get into the habit of making portable study aids for yourself (e.g., flash cards, recordings, and notes).
- Use these study aids to take advantage of those periods in your day when you can review what you previously studied during your longer, quieter study times.

Let your family and friends know what you are doing, and when, so as to minimize interruptions.

Message Boards, Learning Communities, Study Notes, and FAQs

You should use the Information Technology Graduate Program Learning Community as you work through this course of study.

Message boards, study notes, and FAQs are available in every course of study. Use the "Additional Learning Tools" document to review these tools.

The Pre-Assessment

Complete the LabSim "Practice Exam" within the LabSim learning resource before beginning the course.

If needed, use the LabSim Pre-assessment Instructions.

Note: The LabSim "Practice Exam" represents the pre-assessment for this course of study.
When you take this pre-assessment, you should avoid

- studying for it in advance,
- looking up answers while taking it, and
- guessing at the correct answer (instead of simply "knowing" it).

Review the Coaching Report

Review your pre-assessment coaching report (i.e., the score report that you receive from the pre-assessment).

Discuss this with your mentor to develop a study strategy that helps you strengthen weak areas. It is organized by exam objective.

LabSim

The following information pertains to LabSim and what will be covered in the course. Sections referenced correspond directly to the section in LabSim where the information is covered.

The LabSim learning resource (Networks+ 2009) for this course contains the following:

- Videos: 71 (12:56)
- Demonstrations: 31 (3:06)
- Simulations: 42
- Written Lessons/Fact Sheets: 73
- Exam Questions: 544
- Section Quizzes: 50

LabSim

The LabSim modules are constructed in a manner to build off previous lessons, so it is not recommended that you complete the sections out of order. Each module has

- a video,
- lecture/fact sheets, and
- lab simulations.

It is essential to read the materials prior to attempting the simulations to ensure you have a full and applicable understanding of the concepts and competencies required for successful completion of the practice exams.

*Note: It is strongly recommended that you continue to attempt lab simulations until you can easily complete the tasks scoring 100% and pass practice exams with no less than 90% to maximize your chances of successfully passing the actual examination associated with this course of study.*

LabSim Modules

*Note: Because you are to complete the activities for this course of study within the LabSim learning resource, the following list of modules has been provided to*
● orient you as you begin the course and
● provide an overview of the content you will be studying.

Access the following LabSim resource:

● *Networks+ (2009) (N10-004)*

Complete all of the modules within the following LabSim sections in Networks+ learning resource:

● 0.0 Introduction
● 1.0 Networking Basics
● 2.0 Cables and Connectors
● 3.0 Networking Devices
● 4.0 Ethernet
● 5.0 Network Implementation
● 6.0 Wireless Networking
● 7.0 Wide Area Networks (WANs)
● 8.0 Network Security
● 9.0 Network Management
● 10.0 Troubleshooting
● Practice Exams

Please remember to proceed through the activities in the specified order.

**E-Text Reading**

Each of the LabSim sections corresponds to a part of the *CompTIA Network+ All-in-One Exam Guide* textbook. See the following page for the details on how these two resources work together

- LabSim Networks+ Courseware Mapping

**Using uCertify**

The uCertify PrepKit combines targeted learning with a practice exam approach.

**Using uCertify**

The uCertify learning resource is meant to complement the other learning resources for this course of study.

**uCertify**

Complete the following uCertify review course:

- *N10-004 CompTIA Network+ (2009 Edition)*

Please use the steps listed on the following webpage to guide your study of this course:
Final Review

Congratulations! You have just gone through a huge amount of material. Now it is time to review using practice exams.

Preparing for the Assessment

Now that you have completed the coursework in the LabSim modules, you should finish preparing to take the CompTIA Networks+ 2009 Certification Exam.

LabSim Practice Exam

Take the "Practice Exam" at the end of the course. This will provide you with valuable feedback about

- your readiness to take the Certification Exam and
- more specifically, questions you miss and what section you can refer back to in order to complete additional study.

It is recommended that you take and pass the Practice Exam at least twice with a score of 90% or higher before considering yourself ready for the assessment.

Taking the Assessment

The CompTIA Networks+ 2009 Certification Exam (code JK0-016) represents your assessment for this course of study. You should schedule and take that exam now.

Scheduling the Exam

Schedule the following exam through your Degree Plan:

- the CompTIA Networks+ 2009 exam

Note: This exam represents the objective assessment for this course of study.

COMPTIA ANNOUNCES EXAMS NO LONGER AVAILABLE AT PROMETRIC CENTERS

If you have difficulty doing this, please check with your mentor.

Note: Follow these directions for accessing your objective assessments.

Take the Exam

Take your exam at the time and place you have scheduled.

Following the Outside Vendor Assessment

You will need to submit your scores to WGU after completing your exam.

Follow these directions after completing an outside vendor assessment.

Feedback
WGU values your input! If you have comments, concerns, or suggestions for improvement of this course, please submit your feedback using the following form:

- [Course Feedback](#)

### ADA Policy

Western Governors University recognizes and fulfills its obligations under the Americans with Disabilities Act of 1990 (ADA), the Rehabilitation Act of 1973 and similar state laws. Western Governors University is committed to provide reasonable accommodation(s) to qualified disabled learners in University programs and activities as is required by applicable law(s). ADA Support Services serves as the principal point of contact for students seeking accommodations and can be contacted at [ADASupport@wgu.edu](mailto:ADASupport@wgu.edu). Further information on WGU’s ADA policy and process can be viewed in the student handbook at the following link:

- [Policies and Procedures for Students with Disabilities](#)