



NETWORK ADMINISTRATOR ONLINE DEGREE PROGRAM ASSOCIATE OF APPLIED SCIENCE

The Associates of Applied Science in Network Administrator Online program is a comprehensive program designed to teach the students the skills and abilities necessary to support and maintain computer networks. Graduates will have the skills to setup and manage a network including troubleshooting and repair of network and non-networked computers. Additionally the student will have the skills to seek the CompTIA A+, CompTIA Network+, Microsoft MCSA certifications. Graduates may find jobs as a network administrator/computer repair specialist with large and small businesses, manufacturing industries, local and federal government agencies, computer consulting firms, and education centers. Upon completion of the program an Associate of Applied Science Degree is awarded.

PREFIX/NUMBER	COURSE REQUIREMENTS	THEORY/LAB HRS.	QUARTER CREDIT HRS.
OLNED100	A+ Computer Service Technician Online	45/45	6.5
OLNED101	Networking Essentials Online	45/45	6.5
OLNED102	Computer Security Online	45/45	6.5
OLNED103	Intro to HTML Online	45/45	6.5
OLNED104	Peripherals and Data Communications Online*	45/45	6.5
OLNED105	Advanced Networking Online*	45/45	6.5
OLNED106	Advanced Computer Security Online*	45/45	6.5
OLNED107	Introduction to MS Server Online*	45/45	6.5
OLNED208	Microsoft Exchange Server Online*	45/45	6.5
OLNED209	Introduction to Linux & Unix Online*	45/45	6.5
OLNED210	CCNA Network Beginner for NET PROGRAM Online*	45/45	6.5
OLGED201	Introduction to College Mathematics Online	90/0	9.0
OLGED202	Introduction to Computer Science Online	45/0	4.5
OLGED203	Introduction to Psychology Online	45/0	4.5
OLGED204	English Composition I Online	45/0	4.5
OLGED205	English Composition II Online	45/0	4.5
Total		765/495	98.5

TOTAL CLOCK HOURS: 1260

ESTIMATED COMPLETION TIME: 70WEEKS

* Indicates prerequisite exists

COURSE DESCRIPTIONS

OLNED100-A+ COMPUTER SERVICE TECHNICIAN ONLINE

THEORY-45 LAB-45 (90 HOURS)

TOTAL QUARTER CREDIT HOURS-6.5

Prerequisites: None

This course maps fully to CompTIA's new 2006 A+ Exam objectives. Students will learn a step-by-step approach for learning the fundamentals of supporting and troubleshooting computer hardware and software.

OLNED101-NETWORKING ESSENTIALS ONLINE

THEORY-45 LAB-45 (90 HOURS)

TOTAL QUARTER CREDIT HOURS-6.5

Prerequisites: None

The student will be introduced to the Network+ certification exam and will also gain mapping features to the exam objectives. The text presents current coverage of networking hardware and software along with the skills necessary to succeed in the dynamic field of networking. Students learn networking fundamentals such as protocols, network design and implementation, and troubleshooting and support.

OLNED102-COMPUTER SECURITY ONLINE

THEORY-45 LAB-45 (90 HOURS)

TOTAL QUARTER CREDIT HOURS-6.5

Prerequisites: None

Students learn test taking techniques for taking the CompTIA Security+ exam. The course covers all of the new CompTIA Security+ exam objectives and maps to the new Security+ 2008 exam. The course covers topics of increasing importance in the industry as a whole, like the latest breeds of attackers, Wi-Fi Security.

OLNED103- INTRO TO HTML ONLINE

THEORY – 45 LAB – 45 (90 HOURS)

TOTAL QUARTER CREDIT HOURS – 6.5

Prerequisites: None

Students will obtain a solid background in how to structure a page, place images, format text, create links, add color, work with multimedia, and use forms. Students will also go beyond the basics and learn how to save web graphics, use Cascading Style Sheets (CSS), create dynamic web content with basic JavaScript, and upload sites to the web. By the end of the course, students will be able to build custom websites using the latest HTML techniques.

OLNED104- A+ PRACTICAL EXAM ONLINE

THEORY-45 LAB-45 (90 HOURS)

TOTAL QUARTER CREDIT HOURS-6.5

Prerequisites: OLNED100 Online-OLNED103 Online

This course prepares students for CompTIA's Exam 220-702: A+ Practical Application. It focuses on installing, configuring and troubleshooting hardware.

OLNED105-MS ACTIVE DIRECTORY ONLINE

THEORY-45 LAB-45 (90 HOURS)

TOTAL QUARTER CREDIT HOURS-6.5

Prerequisites: OLNED100 Online-OLNED103 Online

The student will complete preparation for the MCITP Active Directory certification exam and will also gain additional mapping features to the exam objectives. Students learn how to implement and utilize MS Active Server in a network.

OLNED106- WINDOWS NETWORKING ONLINE

THEORY-45 LAB-45 (90 HOURS)

TOTAL QUARTER CREDIT HOURS-6.5

Prerequisites: OLNED100 Online-OLNED103 Online

This course explores Windows Server 2008 networking and helps you prepare for the MCTS/MCITP Exam 70-642: Windows Server 2008 Network Infrastructure, Configuring. The course focuses on configuring, managing, and troubleshooting networking features and services in a Windows 2008 Server environment.

OLNED107- INTRODUCTION TO MS SERVER ONLINE

THEORY-45 LAB-45 (90 HOURS)

TOTAL QUARTER CREDIT HOURS-6.5

Prerequisites: OLNED100 Online-OLNED103 Online

This course will ensure the students know how to set up the server, migrate from earlier versions, and handle networking, administration, storage, and security. You'll also get details on the new Web tools and management utilities available in Windows Server 2008.

OLNED208 – SSCP ONLINE**THEORY-45 LAB-45 (90 HOURS)****TOTAL QUARTER CREDIT HOURS-6.5****Prerequisites: OLNED100 Online-OLNED107 Online**

This course prepares students for the Systems Security Certified Practitioner (SSCP) certification exam by International Information Systems Security Certification Consortium, Inc. (ISC) 2. It focuses on how to design and maintain security programs. A security program defines what security is for an organization and the procedures for implementation.

OLNED209- LINUX+ ONLINE**THEORY-45 LAB-45 (90 HOURS)****TOTAL QUARTER CREDIT HOURS-6.5****Prerequisites: OLNED100 Online-OLNED107 Online**

This course prepares students for CompTIA's Linux+ Exams; LX0-101 and LX0-102. It focuses on running GNU and Unix commands from the command line, installing and configuring Linux, and maintaining and securing the Linux system.

OLNED210- INTRODUCTION TO CISCO NETWORKING ONLINE**THEORY-45 LAB-45 (90 HOURS)****TOTAL QUARTER CREDIT HOURS-6.5****Prerequisites: OLNED100 Online-OLNED107 Online**

This course prepares students for the Cisco Certified Network Associate (CCNA) certification exam 640-802 by Cisco. It focuses on implementing, managing, protecting, and troubleshooting small to medium size enterprise branch networks.

OLGED201: INTRODUCTION TO COLLEGE MATHEMATICS ONLINE**THEORY-90 LAB-0 (45HOURS)****TOTAL QUARTER CREDIT HOURS-9.0**

Introduction to College Mathematics Online covers basic math topics such as solving for whole numbers and equations, understanding proper and improper fractions, converting decimals and figuring percentages. Other topics covered include calculating simple interest, annuities, loan amortization, checkbook reconciliation, and business statistical problems such as mean, median and mode.

OLGED202: INTRODUCTION TO COMPUTER SCIENCE ONLINE**THEORY-45 LAB-0 (45HOURS)****TOTAL QUARTER CREDIT HOURS-4.5**

This course introduces the various information and communications technologies and explains how information systems are used to solve problems.

OLGED203: INTRODUCTION TO PSYCHOLOGY ONLINE**THEORY-45 LAB-0 (45HOURS)****TOTAL QUARTER CREDIT HOURS-4.5**

This course introduces human behavior. It includes the study of the theories and concepts of psychology including the scope of psychology, biological foundations and the brain, sensation, perception, motivation, personality, learning/memory, emotion, states of consciousness, personality theories, cognition, life-span development, and applied psychology.

OLGED204: ENGLISH COMPOSITION I ONLINE**THEORY-45 LAB-0 (45HOURS)****TOTAL QUARTER CREDIT HOURS-4.5**

This course develops written communication skills with an emphasis on understanding the writing process, analyzing readings, and practicing writing for personal and professional applications.

OLGED205: ENGLISH COMPOSITION II ONLINE**THEORY-45 LAB-0 (45HOURS)****TOTAL QUARTER CREDIT HOURS-4.5**

This course develops written communication skills with an emphasis on understanding the writing process, analyzing readings, and practicing writing for personal and professional applications.