

# NETA - Computer Network Administration

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## Courses

### NETA 115 Networking Essentials

**3 Credits. 2 Lecture Hours. 3 Lab Hours.**

A course on managing operating systems in a network environment. Topics include: topologies and technologies; network hardware; protocols; network standards; network problem solving; and network administration, support, and security.

Prerequisites: IT 115

### NETA 120 Computer Virtualization

**3 Credits. 2 Lecture Hours. 3 Lab Hours.**

A course on operating systems in a virtual environment. Topics include: fundamentals of virtualization, advantages of using virtual software, and installing virtual systems.

Prerequisites: FYE 120 or placement into ENG 101, and MAT 093 or MAT 105A or appropriate Math placement

### NETA 125 Open Source Operating Systems and Applications

**3 Credits. 2 Lecture Hours. 3 Lab Hours.**

A course on the open source movement and essential operating systems and applications. Topics include: history of open source, the Linux operating system, file systems, and troubleshooting.

Prerequisites: IT 115

### NETA 135 Information Technology Support Desk Concepts

**4 Credits. 3 Lecture Hours. 2 Lab Hours.**

A course on fundamental operations and procedures of an information technology support desk. Topics include: product evaluation, roles and responsibilities, support management, needs assessment, and troubleshooting.

Prerequisites: IT 115

### NETA 155 Server Administration 1

**4 Credits. 3 Lecture Hours. 2 Lab Hours.**

A course on user administration for Microsoft Windows server technology. Topics include: installing servers, configuring server roles, deploying core network services, administering Active Directory, managing remote servers, and creating and managing group policy. This course prepares students for a Microsoft Certification exam.

Prerequisites: NETC 121 or IT 115 (minimum grade C for both)

### NETA 191 Part-Time Cooperative Education 1: Computer Network Administration

**1 Credit. 1 Lecture Hour. 20 Lab Hours.**

Students seeking an associate's degree participate in their first part-time field learning experience related to their degree. Students are expected to register for academic courses during the same semester. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: CIT 190

### NETA 192 Part-Time Cooperative Education 2: Computer Network Administration

**1 Credit. 1 Lecture Hour. 20 Lab Hours.**

Students seeking an associate's degree participate in their second part-time field learning experience related to their degree. Students are expected to register for academic courses during the same semester. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: NETA 191

### NETA 193 Part-Time Cooperative Education 3: Computer Network Administration

**1 Credit. 1 Lecture Hour. 20 Lab Hours.**

Students seeking an associate's degree participate in their third part-time field learning experience related to their degree. Students are expected to register for academic courses during the same semester. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: NETA 192

### NETA 194 Part-Time Cooperative Education 4: Computer Network Administration

**1 Credit. 1 Lecture Hour. 20 Lab Hours.**

Students seeking an associate's degree participate in their fourth part-time field learning experience related to their degree. Students are expected to register for academic courses during the same semester. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: NETA 193

### NETA 195 Part-Time Cooperative Education 5: Computer Network Administration

**1 Credit. 1 Lecture Hour. 20 Lab Hours.**

Students seeking an associate's degree participate in their fifth part-time field learning experience related to their degree. Students are expected to register for academic courses during the same semester. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: NETA 194

### NETA 196 Part-Time Cooperative Education 6: Computer Network Administration

**1 Credit. 1 Lecture Hour. 20 Lab Hours.**

Students seeking an associate's degree participate in their sixth part-time field learning experience related to their degree. Students are expected to register for academic courses during the same semester. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: NETA 195

### NETA 256 Server Administration 2

**4 Credits. 3 Lecture Hours. 2 Lab Hours.**

A continuation of NETA 155. Topics include: deploying, managing, and maintaining servers; configuring file and print services; configuring Network Policy Server infrastructure; configuring and managing Active Directory; and managing group policy. This course prepares students for a Microsoft Certification exam.

Prerequisites: NETA 155 (minimum grade C)

**NETA 265 Server Configuration**

**4 Credits. 3 Lecture Hours. 2 Lab Hours.**

A course on configuration for Microsoft Windows server technology. Topics include: configuring file and storage solutions, network services, Active Directory infrastructure, and access solutions; and business continuity and disaster recovery. This course prepares students for a Microsoft Certification exam.

Prerequisites: NETA 155 (minimum grade C)

**NETA 290 Networking and Computer Support Capstone**

**4 Credits. 1 Lecture Hour. 6 Lab Hours.**

Students demonstrate knowledge and skills while completing a project related to the Computer Network Administration and Computer Support and Administration programs. Topics include: analyzing and designing appropriate network architecture, developing business network solutions, and installing and implementing networks.

Prerequisites: NETA 256 or CSA 112

**NETA 291 Full-Time Cooperative Education 1: Computer Network Administration**

**2 Credits. 1 Lecture Hour. 40 Lab Hours.**

Students seeking an associate's degree participate in their first full-time field learning experience related to their degree. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: CIT 190

**NETA 292 Full-Time Cooperative Education 2: Computer Network Administration**

**2 Credits. 1 Lecture Hour. 40 Lab Hours.**

Students seeking an associate's degree participate in their second full-time field learning experience related to their degree. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: NETA 291

**NETA 293 Full-Time Cooperative Education 3: Computer Network Administration**

**2 Credits. 1 Lecture Hour. 40 Lab Hours.**

Students seeking an associate's degree participate in their third full-time field learning experience related to their degree. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: NETA 292

**NETA 294 Internship 1: Computer Network Administration**

**2 Credits. 1 Lecture Hour. 40 Lab Hours.**

Students seeking an associate's degree participate in their first unpaid field learning experience related to their degree. Students must follow applicable policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: CIT 190

**NETA 295 Internship 2: Computer Network Administration**

**2 Credits. 1 Lecture Hour. 40 Lab Hours.**

Students seeking an associate's degree participate in their second unpaid field learning experience related to their degree. Students must follow applicable policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: NETA 294