

# NETB

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## Courses

### **NETB 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; protocols; network problem solving; and network administration, support, and security.

Prerequisites: IT 105 and IT 115

### **NETB 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: AFL 085 and AFM 092, or appropriate placement test scores

### **NETB 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 105 and IT 115

### **NETB 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 105 and IT 115

### **NETB 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 105 and IT 115

### **NETB 191 Part-Time Cooperative Education 1: Business 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

### **NETB 192 Part-Time Cooperative Education 2: Business 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: NETB 191

### **NETB 193 Part-Time Cooperative Education 3: Business 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: NETB 192

### **NETB 194 Part-Time Cooperative Education 4: Business 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: NETB 193

**NETB 195 Part-Time Cooperative Education 5: Business 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: NETB 194

**NETB 196 Part-Time Cooperative Education 6: Business 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: NETB 195

**NETB 198 First Year Special Topics in Business Network Administration****1-9 Credits. 0 Lecture Hour. 0 Lab Hour.**

A course on selected topics related to Business Network Administration, which gives students opportunities to study information not currently covered in other courses. Grades issued are A, B, C, D, or F.

Prerequisites: Instructor Approval

Instructor Consent Required

**NETB 199 First Year Independent Project in Business Network Administration****1-9 Credits. 0 Lecture Hour. 0 Lab Hour.**

A project related to Business Network Administration that is completed by one or more students to meet specific educational goals. Projects must have prior approval and supervision by Business Network Administration faculty. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: Instructor Approval

Instructor Consent Required

**NETB 215 Electronic Messaging Administration****4 Credits. 3 Lecture Hours. 2 Lab Hours.**

A course on messaging using a networked system. Topics include: installing and setting up an exchange server, managing recipients and addresses, managing data storage, backup and recovery, and troubleshooting.

Prerequisites: NETB 115 and NETB 155

**NETB 225 Information Security****4 Credits. 3 Lecture Hours. 2 Lab Hours.**

A course on information security and ethical concerns related to information technology. Topics include: security implementation, software protection, physical security, privacy, cryptography, policies, and ethics of IT organizations.

Prerequisites: NETB 115 and NETB 155

**NETB 256 Server Administration 2****4 Credits. 3 Lecture Hours. 2 Lab Hours.**

A continuation of NETB 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: NETB 155

**NETB 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: NETB 155

**NETB 290 Business Network Administration Capstone****4 Credits. 1 Lecture Hour. 6 Lab Hours.**

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

Prerequisites: NETB 256 and NETB 265

**NETB 291 Full-Time Cooperative Education 1: Business 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

**NETB 292 Full-Time Cooperative Education 2: Business 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: NETB 291

**NETB 293 Full-Time Cooperative Education 3: Business 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: NETB 292

**NETB 294 Internship 1: Business 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

**NETB 295 Internship 2: Business 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: NETB 294

**NETB 298 Second Year Special Topics in Business Network Administration****1-9 Credits. 0 Lecture Hour. 0 Lab Hour.**

A course on selected topics related to Business Network Administration, which gives students opportunities to study information not currently covered in other courses. Grades issued are A, B, C, D, or F.

Prerequisites: Instructor Approval

Instructor Consent Required

**NETB 299 Second Year Independent Project in Business Network Administration****1-9 Credits. 0 Lecture Hour. 0 Lab Hour.**

A project related to Business Network Administration that is completed by one or more students to meet specific educational goals. Projects must have prior approval and supervision by Business Network Administration faculty. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: Instructor Approval

Instructor Consent Required