Network Engineering Technology and Cloud Computing- IT Support Specialist Occupational Skills Award

Freshman Year

Summer Session

- **SDEV 0301[1]:** Learning Frameworks (0 Credits)

Fall Semester

- **ITCC 1314:** CCNA1: Introduction to Networks (3 Credits)
- **ITSY 1342:** Information Technology Security (3 Credits)
- **ITSC 1325:** Personal Computer Hardware & OS (A+) (3 Credits)
- **ITSC 2339:** Personal Computer Help Desk Support (3 Credits)

Network Engineering Technology and Cloud Computing- Cisco Networking Associate Technology Occupational Skills Award

Freshman Year

Summer Session

- **SDEV 0301[1]:** Learning Frameworks (0 Credits)

Fall Semester

- **ITCC 1314:** CCNA1: Introduction to Networks (3 Credits)

Spring Semester

- **ITCC 1344:** CCNA2: Switching, Routing, and Wireless Essentials (3 Credits)

Sophomore Year

Fall Semester

- **ITCC 2320:** CCNA3: Enterprise Networking, Security & Automation (3 Credits)

Network Engineering Technology and Cloud Computing- LAN Administration Occupational Skills Award

Freshman Year

Summer Session

- **SDEV 0301[1]:** Learning Frameworks (0 Credits)

Spring Semester

- **ITNW 2305:** Network Administration (Microsoft) (3 Credits)

Sophomore Year

Fall Semester

- **ITSE 1359:** Introduction to Scripting Languages (3 Credits)
- **ITNW 1309:** Fundamentals of Cloud Computing (3 Credits)
- **ITNW 1354:** Implementing and Supporting Servers (3 Credits)

Network Engineering Technology and Cloud Computing- PC & LAN Support Technician Certificate[2]

Freshman Year

Summer Session

- **SDEV 0301[1]:** Learning Frameworks (0 Credits)
- **COSC 1301[3] or ITSC 1309:** Introduction to Computers or Integrated Software Applications I (3 Credits)

Fall Semester

- **ITCC 1314:** CCNA1: Introduction to Networks (3 Credits)
- **ITSY 1342:** Information Technology Security (3 Credits)
- **ITSC 1325:** Personal Computer Hardware & OS (A+) (3 Credits)
- **ITSC 2339:** Personal Computer Help Desk Support (3 Credits)

Spring Semester

- **ITCC 1344[4]:** CCNA2: Switching, Routing, and Wireless Essentials (3 Credits)
- **ITNW 2305:** Network Administration (Microsoft) (3 Credits)
- **ITSC 1316:** Linux Installation and Configuration (3 Credits)
- **ITSY 2345:** Network Defense and Countermeasures (3 Credits)

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[1] Required for all first-time-in-college students. EDUC 1300 may be substituted for SDEV 0301.
[2] No TSI Assessment requirements
[3] COSC 1301 required for students pursuing an AAS degree
[4] Capstone course

Network Engineering Technology and Cloud Computing- Cloud Core Technology Certificate[1]

Freshman Year

Summer Session

- **SDEV 0301[2]:** Learning Frameworks (0 Credits)

Fall Semester

- **ITCC 1314:** CCNA1: Introduction to Networks (3 Credits)
- **ITSY 1342:** Information Technology Security (3 Credits)

Spring Semester

- **ITNW 2305:** Network Administration (Microsoft) (3 Credits)
- **ITSC 1316:** Linux Installation and Configuration (3 Credits)

Sophomore Year

Fall Semester

- **ITSE 1359:** Introduction to Scripting Languages (3 Credits)
- **ITNW 1309:** Fundamentals of Cloud Computing (3 Credits)

Spring Semester

- **ITSW 1307:** Introduction to Database (MySQL) (3 Credits)
- **ITNW 1336[3]:** Cloud Deployment & Infrastructure Management (3 Credits)

Network Engineering Technology and Cloud Computing- Associate of Applied Science Degree

Freshman Year

Summer Session

- **SDEV 0301[2]:** Learning Frameworks (0 Credits)
- **COSC 1301[4] or ITSC 1309:** Introduction to Computers or Integrated Software Applications I (3 Credits)
- **ENGL 1301 or ENGL 2311[5]:** Composition I or Technical & Business Writing (3 Credits)

Fall Semester

- **ITCC 1314:** CCNA1: Introduction to Networks (3 Credits)
- **ITSY 1342:** Information Technology Security (3 Credits)
- **ITSC 1325:** Personal Computer Hardware & OS (A+) (3 Credits)
- **ITSC 2339:** Personal Computer Help Desk Support (3 Credits)

Spring Semester

- **ITCC 1344:** CCNA2: Switching, Routing, and Wireless Essentials (3 Credits)
- **ITNW 2305:** Network Administration (Microsoft) (3 Credits)
- **ITSC 1316:** Linux Installation and Configuration (3 Credits)
- **ITSY 2345:** Network Defense and Countermeasures (3 Credits)

Sophomore Year

Summer Session

- **Mathematics Elective[6]** from Core Curriculum (3 Credits)
- **Social and Behavioral Science Elective[7]** from Core Curriculum (3 Credits)

Fall Semester

- **ITCC 2320:** CCNA3: Enterprise Networking, Security & Automation (3 Credits)
- **ITSE 1359:** Introduction to Scripting Languages (3 Credits)
- **ITNW 1309:** Fundamentals of Cloud Computing (3 Credits)
- **ITNW 1354:** Implementing and Supporting Servers (3 Credits)

Spring Semester

- **Creative Arts or Language, Philosophy & Culture Elective** from Core Curriculum (3 Credits)
- **ITSW 1307:** Introduction to Database (MySQL) (3 Credits)
- **ITNW 1336:** Cloud Deployment & Infrastructure Management (3 Credits)
- **ITNW 2335:** Network Troubleshooting (3 Credits)

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[1] No TSI Assessment requirements
[2] Required for all first-time-in-college students. EDUC 1300 may be substituted for SDEV 0301.
[3] Capstone course
[4] COSC 1301 required for students pursuing an AAS degree
[5] ENGL 2311 (will substitute ENGL 1301)
[6] MATH 1314 preferred
[7] PSYC 2301 preferred