

Information Technology Program
Network Administration Certificates



A KCTCS Institution

These Information Technology (IT) programs are designed for persons currently in the workforce who desire specific training and education in the various industries. Workforce certificate programs assume that students enter the program already possessing math and writing skills necessary for the program's course-work. Students entering a workforce certificate program will take a placement test, and may be required to take developmental course-work in these areas if indicated by the placement tests.

Workforce certificates are designed for students who desire to upgrade job skills, but do not wish to pursue a degree. At the same time, should a student decide to pursue a degree later, all of the courses in the certificate programs apply towards an Associate in Applied Science degree in Information Technology. These programs provide recognition for students who complete a selection of classes in various specialized areas.

Cisco Networking Associate (Basic) Track – 16 hours
 Academic Plan Code 1101013029

- IT 120 *Networking Fundamentals* **AND**
- IT 122 *Routing Protocols and Concepts* **AND**
- IT 220 *LAN Switching and Wireless* **AND**
- IT 222 *Accessing the WAN*

OR

- IT 121 *Networking for Home and Small Business* **AND**
- IT 123 *Small to Medium Business or ISP Networking* **AND**
- IT 223 *Introducing Routing and Switching in the Enterprise* **AND**
- IT 225 *Designing and Supporting Computer Networks*

Cisco Networking Associate (Enhanced) Track – 25 hours
 Academic Plan Code 1101013069

Choose the following pairs of courses:

- IT 120 *Networking Fundamentals* **AND**
- IT 122 *Routing Protocols and Concepts* **AND**
- IT 220 *LAN Switching and Wireless* **AND**
- IT 222 *Accessing the WAN*

OR

- IT 121 *Networking for Home and Small Business* **AND**
- IT 123 *Small to Medium Business or ISP Networking* **AND**
- IT 223 *Introducing Routing and Switching in the Enterprise* **AND**
- IT 225 *Designing and Supporting Computer Networks*

In additional to the above paired courses:

- NIS 213 *Administering Microsoft Windows Server: Topic* **OR** NIS 230 *UNIX Administration*
- Technical Electives (6 hrs – two courses)

Cisco Networking Professional Track – 22 hours
 Academic Plan Code 1101013189

- IT 280 *Building Scalable Cisco Internetworks (BSCI)*
- IT 282 *Implementing Secure Converged Wide-area Networks (ISCW)*
- IT 284 *Building Cisco Multilayer Switched Networks (BCMSN)*
- IT 286 *Optimizing Converged Cisco Networks (ONT)*
- Technical Electives (6 credit hours—two courses)

Microsoft Networking (MCSA) Track – 15-18 hours
 Academic Plan Code 1101013199

- NIS 160 *Networking Core Technologies*
- NIS 211 *Administering Microsoft Windows Professional*
- NIS 213 *Administering Microsoft Windows Server*
- NIS 214 *Supporting Windows Network Infrastructure*
- MCSA Electives (3 hours, choose from list below)

MCSA Track Elective Courses

- NIS 216 *Implementing and Administering Microsoft Windows Directory Services*
- NIS 246 *Microsoft SQL Server System Administration*
- NIS 245 *Designing a Secure Microsoft Windows Network*
- NIS 262 *Microsoft Internet Security and Acceleration Server (ISA)*
- NIS 264 *Implementing and Managing Microsoft Exchange Server*
- IT 210 *Operating System Support* **AND**
- IT 215 *Application Support*

Microsoft Networking (MCSE) Track – 24 hours
 Academic Plan Code 1101013059

- NIS 160 *Networking Core Technologies*
- NIS 211 *Administering Microsoft Windows Professional*
- NIS 213 *Administering Microsoft Windows Server*
- NIS 214 *Supporting Windows Network Infrastructure*
- NIS 216 *Implementing and Administering Microsoft Windows Active Directory*
- NIS 244 *Designing a Windows Networking Services Infrastructure*
- NIS 242 *Designing a Windows Directory Services Infrastructure* **OR** NIS 245 *Designing a Secure Microsoft Windows Network*
- MCSE Track Elective (3 hours)

MCSE Track Elective Courses

- NIS 242 *Designing a Windows Directory Services Infrastructure**
- NIS 245 *Designing a Secure Microsoft Windows Network**
- NIS 246 *Microsoft SQL Server System Administration*
- NIS 262 *Microsoft Internet Security and Acceleration Server (ISA)*
- NIS 264 *Implementing and Managing Microsoft Exchange Server*
- IT 250 *Introduction to Security*

* must be different than course chosen above



For additional information contact
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