



# LEARN BY TERM

## **CERTIFICATE COMPUTER & INFORMATION TECHNOLOGIES NETWORK TECHNOLOGIES SPECIALIST**

### **Program Description**

The Network Technologies Specialist Certificate offers students the opportunity to earn a credential demonstrating network technology competencies. This certificate consists of specialized networking classes that students need to effectively configure and maintain networks using network technologies specialist skills. In addition, this certificate will provide a way for professionals currently in the industry to update their network technologies specialist skills.

### **List of Colleges**

[Ashland Community & Technical College](#), [Big Sandy Community & Technical College](#), [Bowling Green Technical, College](#), [Bluegrass Community & Technical College](#), [Elizabethtown Community & Technical College](#), [Gateway Community & Technical College](#), [Hopkinsville Community College](#), [Hazard Community & Technical College](#), [Jefferson Community & Technical College](#), [Madisonville Community College](#), [Maysville Community & Technical College](#), [Owensboro Community & Technical College](#), [Southeast Kentucky Community & Technical College](#), [Somerset Community College](#), [West Kentucky Community & Technical College](#) offer this certificate.

One of these colleges must be designated as your Home College. Even though the classes will be delivered by different KCTCS colleges, the Home College will admit you and take care of all of your student service needs including advising, library services, billing, financial aid, etc.

## **Getting Started**

Students may register for KCTCS online classes offered system wide directly at any KCTCS college. Individuals may also complete a “course inquiry” submit form through [www.kyvc.org](http://www.kyvc.org). KYVC course inquiries are submitted directly to the KCTCS Home College identified by the student. The student’s chosen Home College processes the course inquiry either through formal admission procedures or class enrollment. Additional information about KCTCS admission requirements and college contacts may be accessed at <http://www.kctcs.edu/en/Students/LearnByTerm.aspx>.

## **Certificate: Network Technologies Specialist**

Upon completion of this program, the graduate can:

1. Describe communication protocols for computer networks.
2. Use a platform-specific network operating system to create and manage user accounts.
3. Use a platform-specific network operating system to share and secure resources.
4. Use a platform-specific network operating system to establish and maintain Internet connections.
5. Implement and implement advanced network security measures.

## Course Requirements

Here is a listing of the classes involved in this certificate. There may be additional courses that meet these requirements. Please check the current course catalog and online class schedule for additional information and offerings. The entire Associate in Applied Science degree may be completed online; however, some faculty may require proctored exams. Approved proctored sites are listed at <http://www.kctcs.edu/en/Students/LearnByTerm.aspx> under student services.

## Network Technologies Specialist

<u>Program Title:</u> Network Technologies Specialist			
<u>Course</u>	<u>Course</u>	<u>Course Title</u>	<u>Credit Hours</u>
<u>Prefix</u>	<u>Number</u>		
CIT	219	Internet Protocols	3
CIT	288	Network Security	3
		Approved Level I and Level II Network Technology Microsoft Windows Course Sequence	12
		OR	
		Approved Level I and Level II Network Technology Cisco Course Sequence	(12)
		OR	
		Approved Level I and Level II Network Technology UNIX/Linux Course Sequence	(12)
		Approved Level I, Level II, or Level III Network Technologies Course Sequence	4-6
		<b>Total</b>	<b>22-24</b>

## Helpful Links

APPLICATION: [http://www.kctcs.edu/students/admissions/apply\\_online.aspx](http://www.kctcs.edu/students/admissions/apply_online.aspx)

CALENDAR: <http://www.kctcs.edu/Students/LearnByTerm/Calendar.aspx>

CONTACTS: [http://www.kctcs.edu/Students/LearnByTerm/Learn\\_By\\_Term\\_Advisors/College\\_Contacts.aspx](http://www.kctcs.edu/Students/LearnByTerm/Learn_By_Term_Advisors/College_Contacts.aspx)

COURSES: [http://www.kctcs.edu/Students/LearnByTerm/Online\\_Courses.aspx](http://www.kctcs.edu/Students/LearnByTerm/Online_Courses.aspx)

FINANCIAL AID: [http://www.kctcs.edu/Students/Costs\\_and\\_Financial\\_Aid.aspx](http://www.kctcs.edu/Students/Costs_and_Financial_Aid.aspx)

GETTING STARTED: [http://www.kctcs.edu/Students/LearnByTerm/Getting\\_Started.aspx](http://www.kctcs.edu/Students/LearnByTerm/Getting_Started.aspx)

STUDENT TUTORIAL: <http://www.kctcs.edu/Students/LearnByTerm/Tutorials.aspx>

KCTCS COURSES AVAILABLE AT KYVC: <http://kyvc.org/>

## Dates of Actions:

**Revisions:** December 2008, October 2010, August 2011, December 2011, April 2012

