

# Technical Studies

## Computer Network Specialist

*Associate in Applied Science*

The purpose of this curriculum is to better prepare individuals for the rapidly changing environment of industry and manufacturing. Very broad state guidelines for the course of studies have allowed local industry's



requirements and future needs to be better incorporated into the curriculum. The Technical Studies in Computer Network Specialist has been constructed in direct response to regional requirements allowing for a tailored educational program to be developed in a very short time frame. This format has also incorporated a work-based learning component that allows the College to provide college credit for on-the-job training such as apprenticeships, co-ops, and in-house training programs when appropriate. Graduates in a Technical Studies program may find employment in a wide variety of technology areas.

Technical Studies curriculums leading to Associate in Applied Science degrees encompass a wide area of emphasis including:

- Building Trades
- Computer Network Specialist
- Electrical Technology
- HVAC
- Industrial Maintenance I
- Machine Technology
- Nuclear Support Technology
- Welding

**Central Virginia Community College**

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AA/EEO/ADA • VTDD (434) 832-7701



New core curriculum for each area includes mathematics, team-building, technical writing, computer applications, and work-based learning. For further information regarding course content or scheduling of a Computer Network Specialist curriculum or any other Technical Studies program contact the Counseling Center.

## Technical Studies: Computer Network Specialist — Degree Requirements

Course No.	Course Title	First Year	
		1st Sem.	2nd Sem.
ITN 154	Network Fundamentals – Cisco	4	-
ELE 140	Basic Electricity and Machinery	4	-
ENG 111	College Composition I	3	-
SDV 100	Orientation	1	-
EGR 127	Introduction to Computer Programming	2	-
	Humanities Elective <sup>1</sup>	3	-
ITN 155	Introductory Routing – Cisco	-	4
	Computer Elective <sup>2</sup>	-	3
ITE 130	Introduction to Internet Services	-	3
ETR 149	PC Repair	-	3
ENG 131	Technical Report Writing I <sup>3</sup>	-	3
<b>Total</b>		<b>17</b>	<b>16</b>

Course No.	Course Title	Second Year	
		1st Sem.	2nd Sem.
ITN 154	Networking Fundamentals – Cisco	4	-
MTH 120	Introduction to Mathematics	3	-
PSY 120	Human Relations <sup>1</sup>	3	-
HLT 100	First Aid and CPR <sup>4</sup>	2	-
AIR 195	Customer Service	1	-
	Social Science Elective <sup>1</sup>	3	-
ITN 157	WAN Technologies – Cisco	-	4
ITP 258	Systems Development Project	-	4
ITN 253	Network Troubleshooting	-	4
	Work-Based Learning <sup>5</sup>	-	4
<b>Total</b>		<b>16</b>	<b>16</b>

**Minimum credits required to graduate** **65**

<sup>1</sup> See course catalog for available courses.

<sup>2</sup> Select from BUS 226 Computer Business Applications or ITE 115 Introduction to Computer Applications and Concepts.

<sup>3</sup> ENG 112 may be substituted for ENG 131.

<sup>4</sup> Any two hours of HLT or PED will satisfy the HLT 100 requirement.

<sup>5</sup> Work-based learning is satisfied by completion of any one, or a combination of: Journeyman Card, three credit co-op work experience, or Standard Industry Examination.