

# Recommended Academic Plan for Network Engineering

Certificate  
of  
Proficiency



This plan is a suggested semester-by-semester plan. It is designed to keep you on track for a timely graduation. This plan is not a substitute for academic advising. Contact an advisor for further information regarding placement based on ACT/SAT or COMPASS exam scores, scheduling, degree requirements, and graduation requirements.

**Note:** Successful students entering an IS/IT Program have strong basic computer literacy skills. Our programs are rigorous and fast-paced. Students are expected to be able to competently use a computer from day one. Although it is not a requirement, the department highly recommends students who need basic computer literacy take IS:116 Computer Literacy (3 credits) prior to beginning any of our programs.

Semester 1				
Course	Credits	Prerequisite	Milestone/Notes	Completed
IS:130 Hardware and Software Support	3	Basic Computer Literacy Expected and Reading Proficiency		
IT:102 Desktop Client Support	3	Basic Computer Literacy Expected and Reading Proficiency		
IT:101 Cisco Academy I: Introduction to Networks	5	Basic Computer Literacy Expected and Reading Proficiency		
IT:201 Cisco Academy II: Routing & Switching Essentials	5	IT:101 with a grade of "C" and Reading Proficiency	OFFERED FALL AND SPRING	
<b>Subtotal</b>	<b>16</b>			

Semester 2				
Course	Credits	Prerequisite	Milestone/Notes	Completed
IS:237 Fundamentals of Information Assurance/Security	3	IT:102 or IS:229 and Reading Proficiency	1 <sup>st</sup> eight weeks	
IS:229 Unix/Linux I	3	Basic Computer Literacy is expected and Reading Proficiency		
IS:264 Unix/Linux II	3	IS:229 and Reading Proficiency	OFFERED FALL AND SPRING	
IT:210 Firewall & VPN Security	3	IS:237 and IT:201 with a grade of "C"	OFFERED FALL AND SPRING	
IT:142 Windows Server Configuring Infrastructure	3	IT:102 with a grade of "C" or concurrent with IT:102 and Reading Proficiency	OFFERED SPRING ONLY	
<b>Subtotal</b>	<b>15</b>			

Summer				
Course	Credits	Prerequisite	Milestone/Notes	Completed
IT:211 Virtualization & Cloud Computing	4	IT:101 and IS:229 or IT:102, with a grade of "C"	OFFERED SUMMER ONLY	
			Apply for graduation	
<b>Subtotal</b>	<b>4</b>			

**Total Hours in the Program: 35**

\*See Catalog for classes that will fulfill these requirements [stlcc.edu/Admissions\\_and\\_Registration/Course\\_Catalog.html](http://stlcc.edu/Admissions_and_Registration/Course_Catalog.html) or the Network Engineering web page [stlcc.edu/Programs/Network\\_Engineering/Index.html](http://stlcc.edu/Programs/Network_Engineering/Index.html)

**Maximize your transfer credits/classes by meeting with an academic advisor.**

## Network Engineering - CP Quick Checklist

Courses	Credit Hours	Notes
<b>Required Courses</b>		
IS:130 Hardware and Software Support		
IS:229 Unix/Linux I		
IS:237 Fundamentals of Information Assurance/Security		
IS:264 Unix/Linux II		
IT:101 Cisco Networking Academy I: Introduction to Networks		
IT:102 Desktop Client Support		
IT:201 Cisco Networking Academy II: Routing & Switching Essentials		
IT:210 Firewall and VPN Security		
IT:211 Introduction to Virtualization and Cloud Computing		
IT:142 Windows Server Configuring Infrastructure		

For more information, please see [stlcc.edu/Programs/Degrees](http://stlcc.edu/Programs/Degrees) or consult the College Catalog at [stlcc.edu/Admissions\\_and\\_Registration/Course\\_Catalog.html](http://stlcc.edu/Admissions_and_Registration/Course_Catalog.html)

### Advisor Contact Information

Name  
Phone  
Email