

Recommended Academic Plan for Network Engineering – Infrastructure Focus

Associate in
Applied Science
Degree



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
IT:101 Cisco Academy I: Introduction to Networks	5	Basic Computer Literacy Expected and Reading Proficiency	1 st 8 weeks	
IT:201 Cisco Academy II: Routing & Switching Essentials	5	IT:101 with a grade of "C"	2 nd 8 weeks OFFERED FALL AND SPRING	
IT:102 Desktop Client Support	3	Basic computer literacy expected and Reading Proficiency		
ENG:101 College Composition I	3	ENG:030 & CoRq RDG:030		
Subtotal	16			

Semester 2				
Course	Credits	Prerequisite	Milestone/Notes	Completed
IT:202 Cisco Academy III: Scaling Networks	5	IT: 201 with a minimum grade of "C"	1 st 8 weeks OFFERED FALL and SPRING	
IT:203 Cisco Academy IV: Connecting Networks	5	IT:202 with a minimum grade of "C"	2 nd 8 weeks OFFERED FALL AND SPRING	
IS:130 Hardware and Software Support	3	Basic computer literacy expected and Reading Proficiency		
*Social and Behavioral Sciences Elective	3			
Subtotal	16			

Summer				
Course	Credits	Prerequisite	Milestone/Notes	Completed
ENG:102 College Composition II OR ENG:103 Report Writing	3			
*Social and Behavioral Sciences Elective that meets the MO State requirement	3			
Subtotal	6			

Semester 3				
Course	Credits	Prerequisite	Milestone/Notes	Completed
IT:235 Network Infrastructure Design	3	IT:203 with a "C" or higher		
IS:229 Unix/Linux I	3	Basic computer literacy expected and Reading Proficiency		
IS:237 Fundamentals of Information Assurance/Security	3	IT:102 or IS:229 and Reading Proficiency		
IS:112 Software and Hardware Concepts	3	MTH:140, Basic computer literacy expected and Reading Proficiency		
MTH:160 College Algebra	4			
Subtotal	16			

Semester 4				
Course	Credits	Prerequisite	Milestone/Notes	Completed
IS:264 Unix/Linux II	3	IS:229	OFFERED FALL AND SPRING	
IT:210 Firewall & VPN Security	3	IS:237, IT:202 both with grade of "C" Recommended: Students may enroll after completion of IS:237 and IT:201	OFFERED SPRING ONLY	
*Physical Education Elective	2		1 credit must be an activity class	
MTH:186 Survey of Calculus	4		Apply for graduation	
Subtotal	12			

Total Hours in the Program: 66

*See Catalog for classes that will fulfill these requirements. stlcc.edu/Admissions_and_Registration/Course_Catalog.html or see the Network Engineering-Infrastructure Focus web page stlcc.edu/Programs/Network_Engineering/Index.html

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

Network Engineering - Infrastructure Focus - AAS Quick Checklist

Courses	Credit Hours	Notes
GENERAL EDUCATION		
ENG:101 College Composition I		
ENG:102 College Composition II OR ENG:103 Report Writing		
*Social and Behavioral Sciences Elective that meets the MO State requirement		
MTH:160 College Algebra		
MTH:186 Survey of Calculus		
Social and Behavioral Sciences Elective		
PHYSICAL EDUCATION 2 credit hours At least one credit must be an activity		
REQUIRED COURSES		
IS:112 Software and Hardware Concepts		
IS:130 Hardware and Software Support		
IS:237 Fundamentals of Information Assurance/Security		
IS:229 Unix/Linux I		
IS:264 Unix/Linux II		
IT:101 Cisco Academy I: Introduction to Networks		
IT:102 Desktop Client Support		
IT:201 Cisco Academy II: Routing & Switching Essentials		
IT:210 Firewall & VPN Security		
AREA OF CONCENTRATION		
IT:202 Cisco Academy III: Scaling Networks		
IT:203 Cisco Academy IV: Connecting Networks		
IT:235 Network Infrastructure Design		

For more information, please see stlcc.edu/Programs/Degrees or consult the College Catalog at stlcc.edu/Admissions_and_Registration/Course_Catalog.html

Advisor Contact Information

Name
Phone
Email