

Recommended Academic Plan for Network Engineering – Server 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
IS:130 Hardware and Software Support	3	Basic Computer Literacy Expected and Reading Proficiency		
IT:102 Desk Client Support	3	Basic Computer Literacy Expected and Reading Proficiency		
IT:101 Cisco Networking Academy I: Introduction to Networks	5	Basic Computer Literacy Expected and Reading Proficiency		
IT:201 Cisco Networking Academy II: Routing & Switching Essentials	5	IT:101 with a minimum grade of "C" and Reading Proficiency	2 nd 8 Weeks OFFERED FALL and SPRING	
Subtotal	16			

Semester 2				
Course	Credits	Prerequisite	Milestone/Notes	Completed
IS:237 Fundamentals of Information Assurance/Security	3	IT:102 and Reading Proficiency		
IT:246 Windows Server Administration	3	IT:102 with a minimum grade of "C" and Reading Proficiency	OFFERED SPRING ONLY <i>Curriculum transition See IS Dept. for details</i>	
IS:112 Software & Hardware Concepts	3	Basic Computer Literacy Expected and Reading Proficiency	OFFERED FALL and SPRING	
IS:229 Unix/Linux I	3	Basic Computer Literacy Expected and Reading Proficiency		
MTH:160 Intermediate Algebra	4			
Subtotal	16			

Summer				
Course	Credits	Prerequisite	Milestone/Notes	Completed
IT:211 Introduction to Virtualization and Cloud Computing	4	IT:101 and IS:229 or IT:102, all with a grade of "C" and Reading Proficiency	OFFERED SUMMER ONLY	
ENG:101 English Composition I	3			
Subtotal	7			

Semester 3				
Course	Credits	Prerequisite	Milestone/Notes	Completed
IT:140 Windows Server Configuring Active Directory	3	IT:102 and IT:142 with a grade of "C" and Reading Proficiency OR IT:240 with a grade of "C" and Reading Proficiency	OFFERED FALL ONLY <i>Curriculum Transition See IS Dept. for details</i>	
IS:264 Unix/Linux II	3	IS:229 and Reading Proficiency	OFFERED FALL and SPRING	
*Physical Education Elective	2		1 PE credit must be an activity credit	
MTH:186 Survey of Calculus	4			
ENG:102 College Composition II or ENG:103 Report Writing	3			
Subtotal	15			

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Semester 4				
Course	Credits	Prerequisite	Milestone/Notes	Completed
IT:142 Windows Server Configuring Infrastructure	3	IT:102 with a grade of "C" or concurrent with IT:102 and Reading Proficiency or IT:241 with a grade of "C" and Reading Proficiency	OFFERED SPRING ONLY <i>Curriculum Transition</i> <i>See IS Dept. for details</i>	
IT:210 Firewall & VPN Security	3	IS:237 and IT:201 with a grade of "C" and Reading Proficiency	OFFERED FALL and SPRING	
*Social and Behavioral Sciences Elective that meets the MO State requirement	3		Apply for graduation	
*Social and Behavioral Sciences Elective	3			
Subtotal	12			

Total Hours in the Program: 66-67

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

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

Network Engineering - Server 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		
Missouri 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 Networking Academy I: Introduction to Networks		
IT:102 Desk Client Support		
IT:201 Cisco Networking Academy II: Routing & Switching Essentials		
IT:210 Firewall & VPN Security		
AREA OF CONCENTRATION		
IT:246 Windows Server Administration		
IT:140 Windows Server Configuring Active Directory		
IT:142 Windows Server Configuring Infrastructure		
IT:211 Introduction to Virtualization and Cloud Computing		

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