

Recommended Academic Plan for Network Engineering – Security 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 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"	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		
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		
ENG:101 English Composition I	3			
MTH:160 Intermediate Algebra	4			
Subtotal	16			
Summer				
Course	Credits	Prerequisite	Milestone/Notes	Completed
IT:208 Cisco Networking Academy: CCNA Security	5	IT:201 with a minimum grade of "C" Or CCENT certification and Reading Proficiency	OFFERED SUMMER ONLY	
IT:121 Secure E-Commerce and E-Government	3	IS:229 and IS:237 with minimum grade of "C" and Reading Proficiency	OFFERED SUMMER ONLY	
Subtotal	8			
Semester 3				
Course	Credits	Prerequisite	Milestone/Notes	Completed
IS:264 Unix/Linux II	3	IS:229 and Reading Proficiency	OFFERED FALL and SPRING	
IT:210 Firewall and VPN Security	3	IS:237 and IT:201 with minimum grade of "C" and Reading Proficiency	OFFERED FALL and SPRING	
Physical Education	2		1 credit must be an activity	
ENG:102 College Composition II or ENG:103 Report Writing	3			
MTH:186 Survey of Calculus	4			
Subtotal	15			
Semester 4				
Course	Credits	Prerequisite	Milestone/Notes	Completed
IT:120 Enterprise Security Management	3	IS:237 with a minimum grade of "C" and Reading Proficiency	OFFERED SPRING ONLY	
IT:216 Digital Forensics	3	IS:112, IS:229, and IS:237 with minimum grade of "C" and Reading Proficiency	OFFERED SPRING ONLY	
*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 catalog.stlcc.edu or see the Network Engineering-Security Focus web page stlcc.edu/Programs/Network_Engineering/Index.html

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

Network Engineering - Security 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 Support		
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 & VPN Security		
AREA OF CONCENTRATION		
IT:120 Enterprise Security Management		
IT:121 Secure E-Commerce and E-Government		
IT:208 Cisco Networking Academy: CCNA Security		
IT:216 Digital Forensics		

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

<p>Advisor Contact Information</p> <p>Name</p> <p>Phone</p> <p>Email</p>
