

Recommended Academic Plan for Cybersecurity

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 Accuplacer exam scores, scheduling, degree requirements, and graduation requirements.

Note: To be successful, persons interested in the program should possess a strong foundation in computer hardware/software troubleshooting skills, equivalent to the CompTIA A+ certification. Pre-employment background screening is required for any candidate seeking employment in the cybersecurity field.

Semester 1 FALL

Course	Credits	Prerequisite	Milestone/Notes	Completed
IS:153 C# Programming I OR IS:187 Java Programming I	4	Reading Proficiency		
IS:139 Web Publishing	3	Reading Proficiency		
IS:229 Unix/Linux I	3	Reading Proficiency		
IT:100 Introduction to Cybersecurity	1	Reading Proficiency		
*Life and Physical Sciences OR Mathematics Elective that meets the Missouri State requirement.	3-4		MTH:160 may be used if needed	
Subtotal	14-15			

Semester 2 SPRING

Course	Credits	Prerequisite	Milestone/Notes	Completed
IT:101 Cisco Academy I – Introduction to Networks	5	Basic Computer Literacy Expected and Reading Proficiency		
IS:112 Software & Hardware Concepts	3	Basic Computer Literacy Expected and Reading Proficiency	OFFERED FALL and SPRING	
IS:237 Fundamentals of Information Assurance/Security	3	IT:102 and Reading Proficiency		
IS:265 Web Scripting	3	IS:139 and Reading Proficiency		
Physical Education Elective	2		At least 1 credit must be an activity	
Subtotal	16			

Semester 3 SUMMER

Course	Credits	Prerequisite	Milestone/Notes	Completed
ENG:101 English Composition I	3			
IT:121 Secure E-Commerce and E- Government OR IS:264 Unix/Linux II	3	IS:229, IS:237 Both with minimum grade of "C" and Reading Proficiency	IT:121 OFFERED SUMMER ONLY IS:264 OFFERED FALL and SPRING	
Subtotal	6			

Semester 4 FALL

Course	Credits	Prerequisite	Milestone/Notes	Completed
IT:212 Ethical Hacking	3	IS:237 and Reading Proficiency	OFFERED FALL ONLY	
IT:214 Systems Security Engineering	3	IS:237 and Reading Proficiency	OFFERED FALL ONLY	
MTH:186 Survey of Calculus	4			
ENG:102 College Composition II OR ENG:103 Report Writing	3			
*Social and Behavioral Sciences Elective that meets the MO State requirement	3			
Subtotal	16			

Semester 5 SPRING				
Course	Credits	Prerequisite	Milestone/Notes	Completed
IS:225 Database Management	4	Reading Proficiency	Apply for graduation OFFERED FALL and SPRING	
IT:216 Digital Forensics	3	IS:237 and Reading Proficiency	OFFERED SPRING ONLY	
IT:120 Enterprise Security Management	3	IS:237 and Reading Proficiency	OFFERED SPRING ONLY	
*Social and Behavioral Sciences Elective that meets the MO State requirement	3			
Subtotal	13			

Total Hours in the Program: 65-66

*See Catalog for classes that will fulfill the elective requirements at catalog.stlcc.edu.

**Students completing STLCC's Missouri General Education requirements will receive verification on their transcripts that is recognized by all Missouri public colleges and universities except the University of Missouri-Columbia.

***It is your responsibility to verify that the courses listed above will transfer to the four-year institution of your choice.

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

Cybersecurity – AAS Quick Checklist

Courses	Credit Hours	Notes
GENERAL EDUCATION		
ENG:101 College Composition I	3	
ENG:102 College Composition II or ENG:103 Report Writing	3	
*Social and Behavioral Sciences Elective that meets the MO State requirement	6	
*Life and Physical Sciences OR Mathematics Elective that meets the Missouri State requirement.	3	
MTH:186 Survey Calculus	4	
PHYSICAL EDUCATION 2 credit hours At least one credit must be an activity		
REQUIRED COURSES		
IS:112 Software and Hardware Support	3	
IS:139 Web Publishing	3	
IS:153 C# Programming I or IS:187 Java Programming I	4	
IS:225 Database Management	4	
IS:229 Unix/Linux I	3	
IS:237 Fundamentals of Information Assurance/Security	3	
IS:265 Web Scripting Technologies	3	
IT:100 Introduction to Cybersecurity	1	
IT:101 Cisco Networking Academy I: Introduction to Networks	5	
IT:120 Enterprise Security Management	3	
IT:121 Secure E-Commerce and E-Government or IS:264 Unix/Linux II	3	
IT:212 Ethical Hacking	3	
IT:214 Systems Security Engineering	3	
IT:216 Digital Forensics	3	

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