

# Recommended Academic Plan for Cybersecurity

Certificate  
of  
Proficiency



This map is a suggested semester-by-semester course schedule. It is designed to keep you on track for a timely graduation. This map 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		
MTH:140 Intermediate Algebra	3			
IS:139 Web Publishing	3	Reading Proficiency		
IS:229 Unix/Linux I	3	Reading Proficiency		
IT:100 Introduction to Cybersecurity	1	Reading Proficiency		
Subtotal	14			
Semester 2 SPRING				
Course	Credits	Prerequisite	Milestone/Notes	Completed
IS:237 Fundamentals of Information Assurance/Security	3	IT:102 or IS:229 and Reading Proficiency		
IS:265 Web Scripting	3	IS:139 and Reading Proficiency		
IS:264 Unix/Linux II Or IT:121 Secure E-Commerce and E-Government	3	IS:229 and Reading Proficiency IS:229 and IS:237 both with minimum grade of "C" and Reading Proficiency <i>*Recommended IS:265 also</i>	OFFERED FALL and SPRING OFFERED SUMMER ONLY	
IT:101 Cisco Academy I – Introduction to Networks	5	Reading Proficiency <i>Basic Computer Literacy Expected</i>		
Subtotal	11-14			
Semester 3 SUMMER				
Course	Credits	Prerequisite	Milestone/Notes	Completed
IS:112 Software & Hardware Concepts	3	MTH:140 Basic Computer Literacy Expected and Reading Proficiency	Summer Online Delivery ONLY	
IT:121 Secure E-Commerce and E-Government Or IS:264 <i>See note spring. . .</i>	3	IS:229, IS:237 Both with minimum grade of "C" and Reading Proficiency	OFFERED SUMMER ONLY	
Subtotal	3-6			
Semester 4 FALL				
Course	Credits	Prerequisite	Milestone/Notes	Completed
IS:225 Database Management	4	Reading Proficiency	OFFERED FALL and SPRING	
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	
Subtotal	10			
Semester 5 SPRING				
Course	Credits	Prerequisite	Milestone/Notes	Completed
IT:120 Enterprise Security Management	3	IS:237 and Reading Proficiency	OFFERED SPRING ONLY <b>Apply to Graduate by Deadline March 1<sup>st</sup></b>	
IT:216 Digital Forensics	3	IS:237 and Reading Proficiency	OFFERED SPRING ONLY	
Subtotal	6			
<b>Total Hours in the Program:</b>		<b>47</b>		

\*See Catalog for classes that will fulfill the elective requirements 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.

**FYI - Deadlines to Apply for Graduation:**      Fall Semester – October 1<sup>st</sup>    Spring Semester – March 1<sup>st</sup>    Summer Semester – June 20<sup>th</sup>

Cybersecurity – CP Quick Checklist		
Courses	Credit Hours	Notes
<b>REQUIRED COURSES</b>		
MTH:140 Intermediate Algebra		
IS:112 Software and Hardware Support		
IS:139 Web Publishing		
IS:153 C# Programming I or IS:187 Java Programming I		
IS:225 Database Management		
IS:229 Unix/Linux I		
IS:237 Fundamentals of Information Assurance/Security		
IS:265 Web Scripting Technologies		
IT:100 Introduction to Cybersecurity		
IT:101 Cisco Networking Academy I: Introduction to Networks		
IT:120 Enterprise Security Management		
IT:121 Secure E-Commerce and E-Government or IS:264 Unix/Linux II		
IT:212 Ethical Hacking		
IT:214 Systems Security Engineering		
IT:216 Digital Forensics		

For more information, please see [stlcc.edu/Programs/Degrees](http://stlcc.edu/Programs/Degrees) or consult the College Catalog at [stlcc.edu/Admissions](http://stlcc.edu/Admissions)

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