NETWORK SECURITY ENGINEERING: AAS

Full-Time Academic Plan

Missouri Civics Examination. Students entering college for the very first time in fall 2019 and who intend to complete an associate's degree must successfully complete a civics examination. Information on who is eligible for a waiver can be found on the STLCC website (https://stlcc.edu/programs-academics/missouri-civics-exam.aspx).

PLEASE NOTE: If you originally enrolled at STLCC prior to Fall 2024, you may need to view an archived catalog (https://www.stlcc.edu/programs-academics/course-catalog/) for your correct program requirements. Please speak with an advisor or the program coordinator for more information.

Code	Title	Hours	Prerequisites	Milestones/Notes
First Year				
Fall				
IS 229	Unix/Linux I	3	Reading Proficiency	Offered Fall, Spring, and Summer
MTH 161 or 180	Quantitative Reasoning (MOTR MATH 120) or Introductory Statistics (MOTR MATH 110)	3	Satisfactory score on placement test and Reading Proficiency	Students may choose which Gen. Eds. To take first. These are in recommended order.
IT 101	Cisco Networking Academy I: Introduction to Networks	5	Reading Proficiency	Offered Fall and Spring 1st 8 weeks and Summer
IT 201	Cisco Networking Academy II: Switching, Routing, and Wireless Essentials	5	IT 101 with a minimum grade of "C", and Reading Proficiency	Offered Fall and Spring 2nd 8-weeks and Summer
	Credit Hours	**16**		
Spring				
IS 264	Unix/Linux II	3	IS 229 with a minimum grade of "C" and Reading Proficiency	Offered Fall and Spring
IT 100	Introduction to Cybersecurity	1	Reading Proficiency	Offered Fall and Spring
IT 202	Cisco Networking Academy III: Enterprise Networking, Security, and Automation	5	IT 201 with a minimum grade of "C", and Reading Proficiency	Offered Fall and Spring 1st 8-weeks
IT 208 or 250	Cisco Networking Academy: CCNA Security or Cisco Networking Academy: CCCA Cybersecurity Operations	5	IT 201 with a minimum grade of "C" or a Cisco CCENT or CCNA certification and Reading Proficiency	One of these will be offered in Fall and Spring 2nd 8 weeks
	Credit Hours	**14**		
Second Year				
Fall				
IS 237	Fundamentals of Information Assurance/Security - CompTIA Security +	3	IT 102 or IS 229 with a minimum grade of "C" and Reading Proficiency	Offered Fall, Spring, and Summer
XXX xxx	Natural Science/Mathematics Elective (MOTR Requirement) (http://catalog.stlcc.edu/general-education/)	3		
Program Elective		3		See choices below
IS 280	Python	3	Reading Proficiency	Offered Fall and Spring
ENG 101	College Composition I (MOTR ENGL 100)	3	Placement score or ENG 030 or ENG 070 with a grade of "C" or better or recommendation of department and Reading Proficiency or concurrent enrollment in RDG 079	
	Credit Hours	**15**		

Spring				
IT 121	Secure E-Commerce	3	IS 229 and IS 237, both with a minimum grade of "C" and Reading Proficiency	Offered Spring and Summer
IT 120	Enterprise Security Management	3	IS 237 with a minimum grade of "C" and Reading Proficiency	Offered Spring only
Program Elective		3		See choices below
XXX xxx	Social & Behavioral Sciences: Civics (http://catalog.stlcc.edu/general-education/)	3		
ENG 102 or 103	College Composition II (MOTR ENGL 200) or Report Writing (MOTR ENGL 110)	3	ENG 101 with a minimum grade of "C" and Reading Proficiency	
	Credit Hours	**15**		
	Total Credit Hours	**60**		

Program Electives-Select two of the following (6 credits minimum):

Code	Title	Credit Hours
IS 130	Hardware Support - CompTIA A+ Core 1 (Hardware)	3
IT 102	Desktop Software Support - CompTIA A+ Core 2 (Software)	3
IT 211	Introduction to Virtualization and Cloud Computing	3
IT 212	Ethical Hacking	3
IT 215	Cloud Security	3
IT 216	Digital Forensics	3
IT 251	Cisco Networking Academy: CCNA DevNet Associate	5

*Click on the hyperlinked course number to view additional information about the course.

**Students completing a course that has been assigned a MOTR number may transfer that course to any public institution in Missouri. Those who complete CORE 42 requirements will have that verification on their transcript.

*** 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.