



Information Technology Systems/Computer Support Specialist Emphasis in Cyber Security

Student Learning Outcomes

- 1 Communication- The student will demonstrate the ability to communicate effectively using written and/or oral communication.
- 2 Information Literacy- The student will recognize when information is needed and have the ability to locate, evaluate, and use effectively the needed information.
- 3 Problem Solving- The student will demonstrate the ability to analyze information and solve problems.
- 4 Workplace Skills - Demonstrates a mastery of workplace skills/soft skills, exhibits initiative, adapts to varied situations

Program Outcomes

- 1 Utilize standard software tools, information security tools and devices common to the industry
- 2 Use incident response models and forensic techniques to investigate security incidents
- 3 Perform information gathering and vulnerability scanning activities
- 4 Identify and present indicators of a network security breach while preserving the integrity of digital evidence
- 5 Explore the legal, social and ethical cybersecurity concerns related to industry

**Associate of Applied Sciences, computer Support Specialist -
Emphasis in Cyber Security**

Total Credits 63

Fall

Course #	Course Title	Credits	Function
INF 105	CompTIA A+ Core 1	3	Technical Studies
INF 110	CompTIA A+ Core 2	3	Technical Studies
INF 112	Network Essentials	3	Technical Studies
INF 139	Cybersecurity Essentials	3	Technical Studies
MTH	Math Elective*	3	General Studies

Spring

Course #	Course Title	Credits	Function
INF 115	Network+ Part I	3	Technical Studies
INF 116	Network+ Part II	3	Technical Studies
INF 120	Security+	3	Technical Studies
INF 134	Server +	3	Technical Studies
ENG 101	Composition I*	3	General Studies

Summer

Course #	Course Title	Credits	Function
INF 160	Server Security	3	Technical Studies
INF 165	Advanced Cyber Security	3	Technical Studies
	Communication Elective*	3	General Studies

Fall

Course #	Course Title	Credits	Function
INF 113	Introduction to Programming	3	Technical Studies
INF 136	Introduction to PowerShell	3	Technical Studies
INF 154	Ethical Hacker	3	Technical Studies
INF	Information Systems Electives**	3	Elective

Spring

Course #	Course Title	Credits	Function
INF	Experiential Learning Electives***	3	Technical Studies
INF	Information Systems Electives**	3	Elective
	Humanities Elective*	3	General Studies
	Social Science Elective*	3	General Studies

****Information Systems Electives**

Course #	Course Title	Credits	Function
INF 127	Linux		Elective
INF 142	Cloud+		Elective
INF 144	Virtualization		Elective
INF 164	Switching, Routing, and Wireless Essentials		Elective
INF 167	Enterprise Networking, Security, and Automation		Elective
INF 172	Multi-Cloud Networking		Elective
CLD 138	Object -Oriented Programming (Python)		Elective
CLD 168	AWS Cloud Practitioner		Elective

*****Experiential Learning Electives**

Course #	Course Title	Credits	Function
INF 174	Information Technology Capstone		Elective
INF 175	Information Technology Internship		Elective

*** Kansas Systemwide General Education**

**Technical Certificate, Computer Support Specialist -
Emphasis in Cyber Security**

Total Credits 42

Fall

Course #	Course Title	Credits	Function
INF 105	CompTIA A+ Core 1	3	Technical Studies
INF 110	CompTIA A+ Core 2	3	Technical Studies
INF 112	Network Essentials	3	Technical Studies
INF 139	Cybersecurity Essentials	3	Technical Studies

Spring

Course #	Course Title	Credits	Function
INF 115	Network+ Part I	3	Technical Studies
INF 116	Network+ Part II	3	Technical Studies
INF 120	Security+	3	Technical Studies
INF 134	Server +	3	Technical Studies

Fall

Course #	Course Title	Credits	Function
INF 160	Server Security	3	Technical Studies

INF 165	Advanced Cyber Security	3	Technical Studies
INF	Experiential Learning Electives***	3	Technical Studies

Spring

Course #	Course Title	Credits	Function
INF 113	Introduction to Programming	3	Technical Studies
INF 136	Introduction to PowerShell	3	Technical Studies
INF 154	Ethical Hacker	3	Technical Studies

***Experiential Learning Electives

Course #	Course Title	Credits	Function
INF 174	Information Technology Capstone		Elective
INF 175	Information Technology Internship		Elective