

CERTIFICATE COURSE PATHWAY

The following is the suggested pathway to complete the certificate. This pathway is based on satisfaction of all basic skills requirements and prerequisites and presumes a fall start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See your academic advisor for other options and to monitor your progress.

Program Name: Cybersecurity and Network Support Certificate

Program Learning Outcomes (PLOs):

1. Critically analyze IT problems for resolution given time and budget constraints (3,6)
2. Evaluate process to insure the security and privacy of clientele and information, the rights of copyright holders, and the responsibilities of license users. (3,4,6)
3. Formulate a preliminary design and system study for an IT case study (1,2,5)
4. Based upon requirements, design a logical network, including the IP networking scheme and placement of network services. (2,5,6)

Courses – Asterisk (*) indicates required program courses	AGEC course?	Terms	Credits
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First Semester: Fall

CIS110 – Intro. to Comp. Info. Systems	Y	F, SP, SU	3
CIS115 – A+ Computer Tech. Hardware	N	*F	3
CIS153 – Networking Essentials	N	**F	3
CIS156 – Network Sec. & Penet. Testing	N	F	3

Second Semester: Spring

CIS116 – A+ Computer Tech. Software	N	***SP	3
CIS253 – Cybersecurity Administration	N	F, SP	3

Third Semester: Fall

Fourth Semester: Spring

Key:

SP= Spring

F= Fall

SU= Summer

1. Aesthetic Sensibilities: An awareness of creative expression in the world around us.
2. Communication Skills: The ability to effectively convey meaning through various media on both personal and professional levels.
3. Critical Thinking Skills and Problem-Solving: The ability to analyze data and arrive at logical and defensible conclusions.
4. Cultural Diversity and Global Awareness: An appreciation of relationships and differences in values, customs, and norms of diverse global communities.
5. Techniques of Inquiry: Use of standardized methodological framework to collect, analyze, interpret, and present findings.
6. Technological Competency: A proficiency in evolving technology to compete and flourish in society.

Total credits

18

****terms not guaranteed**

Course Options:

*CIS115 offered Fall and Spring on Kingman campus.

**CIS153 offered in Fall and Spring on Kingman campus.

***CIS116 Offered Spring and Fall on Kingman Campus.