

PROGRAM COURSE PATHWAY

The following sequence is the suggested pathway to complete the degree in two years. This sequence 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, AAS

Program Learning Outcomes (PLOs):

1. Critically analyze IT problems for resolution given time and budget constraints. (3,6)			
2. Evaluate processes 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. Analyze the relationship between DBMS (Data Base Management Systems) and the business information needed by the user. (2,3)			
5. Examine the architecture for computer file storage systems including the process of data storage and access frameworks. (5,6)			
6. 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

First Semester: Fall

CIS 110*	Y	F, SP, SU	3
CIS 120*		F, SP	3
CIS 115*		F, SP	3
CIS 153*		F, SP	3
BUE 105		F, SP	3
Courses – Asterisk (*) indicates required program courses	AGEC course?	Terms	Credits

Second Semester: Spring

CIS 116*		F, SP	3
CIS 136*		F, SP, SU	3
CIS 138*		F, SP, SU	3
COM 121*	Y	F, SP	3
HUM 250	Y	F, SP	3
Courses – Asterisk (*) indicates required program courses	AGEC course?	Terms	Credits

Third Semester: Fall

CIS 156*		F	3
CIS 143*		F, SP	3
CIS 135*		F, SP	3

CIS 141*		F	3
BUE 110*		F, SP	3

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Fourth Semester: Spring

CIS 210*		F, SP	3
CIS 270*		SP	3
CIS 253*		SP	3
CIS 280*		F, SP	3
BUS 204*		F, SP	3

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

60

Optional Courses:

Student may choose ENG 101 in place of BUE 105

Student may choose another Global Awareness Course from AAS General Education Checklist in place of HUM 250.