Information Technology Cybersecurity , A.A.S. 24-25 catalog

Full-time with summer course schedule

Description: The Information Technology Cybersecurity program is designed for those who want to provide technical assistance for computer systems and users. This program provides instruction in both business and technology, and can lead to industry certifications from CompTIA, and Microsoft. Students must pass the CompTIA's A+, Network+, and CCNA to graduate from the program.

Completion Time: 2 Years

Full-time with summer course schedule (You do not have to follow this exact schedule. It is meant to show the courses needed.)

Year 1

Fall Semester

❑ Success Skills for the 21st Century	GNST 100	*3 Cr.*
❑ Information Technology Fundamentals	CSTC 101	*3 Cr.*
❑ Introduction to Networking	CSTC 127	*3 Cr.*
❑ Computer Maintenance	CSTC 173	*4 Cr.*

Spring Semester

❑ Data Analytics	CSTC 102	*3 Cr.*
❑ Cloud Essentials	CSTC 240	*3 Cr.*
❑ Mathematics Requirement (choose 1)		
Introductory Statistics	MATH 190	*4 Cr.*
Math for Everyday Life	MATH 101	*4 Cr.*
❑ *Communication Requirement*		*3 Cr.*

Summer Session

❑ *Computer Literacy*	CMIS 101	*3 Cr.*
test out option available, if you test out take		
Intro to Computer Info Systems	CMIS 115	*3 Cr.*
❑ Freshman English I	ENGL 100	*3 Cr.*

Year 2

Fall Semester

❑ Cybersecurity Fundamentals	CBSY 100	*3 Cr.*
❑ Ethical Hacking	CBSY 101	*3 Cr.*
❑ Network Security	CSTC 237	*3 Cr.*
❑ Linux	ITIF 200	*3 Cr.*
❑ Choose 1		
American Political System	POLI 240	*3 Cr.*
United States History to 1865	HIST 250*	*3 Cr.*

**If student wants HIST 251, swap with Communications requirement*

Spring Semester 5

❑ Scripting for Server Administration	CSTC 103	*3 Cr.*
❑ Project Management for Information Technology	CSTC 104	*3 Cr.*
❑ Humanities Requirement		*3-4 Cr.*
❑ Lab Science Requirement		*4 Cr.*

Total Minimum Credits: 60

Academic Advising: You should meet with an academic counselor prior to registering for classes.

Note: Prerequisite courses may apply to this program. A minimum of 60 unduplicated credits (100 level or higher) are required for all associate degree programs.

Information Technology Cybersecurity , A.A.S. 24-25 catalog

Full-time course schedule

Description: The Information Technology Cybersecurity program is designed for those who want to provide technical assistance for computer systems and users. This program provides instruction in both business and technology, and can lead to industry certifications from CompTIA, and Microsoft. Students must pass the CompTIA's A+, Network+, and CCNA to graduate from the program.

Completion Time: 2 Years

Full-time course schedule (You do not have to follow this exact schedule. It is meant to show the courses needed.)

Year 1

Fall Semester

❑ **Success Skills for the 21st Century**	GNST 100	*3 Cr.*
❑ **Information Technology Fundamentals**	CSTC 101	*3 Cr.*
❑ **Introduction to Networking**	CSTC 127	*3 Cr.*
❑ **Computer Maintenance**	CSTC 173	*4 Cr.*
❑ ***Freshman English I***	ENGL 100	*3 Cr.*

Spring Semester

❑ ***Computer Literacy***	CMIS 101	*3 Cr.*
test out option available, if you test out take		
Intro to Computer Info Systems	CMIS 115	*3 Cr.*
❑ **Data Analytics**	CSTC 102	*3 Cr.*
❑ **Cloud Essentials**	CSTC 240	*3 Cr.*
❑ **Mathematics Requirement** (choose 1)		
Introductory Statistics	MATH 190	*4 Cr.*
Math for Everyday Life	MATH 101	*4 Cr.*
❑ ***Communication Requirement***		*3 Cr.*

Year 2

Fall Semester

❑ **Cybersecurity Fundamentals**	CBSY 100	*3 Cr.*
❑ **Ethical Hacking**	CBSY 101	*3 Cr.*
❑ **Network Security**	CSTC 237	*3 Cr.*
❑ **Linux**	ITIF 200	*3 Cr.*
❑ ***Choose 1***		
American Political System	POLI 240	*3 Cr.*
United States History to 1865	HIST 250*	*3 Cr.*

**If student wants HIST 251, swap with Communications requirement*

Spring Semester 5

❑ **Scripting for Server Administration**	CSTC 103	*3 Cr.*
❑ **Project Management for Information Technology**	CSTC 104	*3 Cr.*
❑ ***Humanities Requirement***		*3-4 Cr.*
❑ ***Lab Science Requirement***		*4 Cr.*

Courses in italics may be taken in the summer term.

Total Minimum Credits: 60

Academic Advising: You should meet with an academic counselor prior to registering for classes.

Note: Prerequisite courses may apply to this program. A minimum of 60 unduplicated credits (100 level or higher) are required for all associate degree programs.

Information Technology Cybersecurity , A.A.S. 24-25 catalog

Half-time course schedule

Description: The Information Technology Cybersecurity program is designed for those who want to provide technical assistance for computer systems and users. This program provides instruction in both business and technology, and can lead to industry certifications from CompTIA, and Microsoft. Students must pass the CompTIA's A+, Network+, and CCNA to graduate from the program.

Completion Time: 4.5 Years

Half-time course schedule (You do not have to follow this exact schedule. It is meant to show the courses needed.)

Year 1

Fall Semester

❑ Success Skills for the 21st Century	GNST 100	3 Cr.
❑ Information Technology Fundamentals	CSTC 101	3 Cr.

Spring Semester

❑ *Computer Literacy*	CMIS 101	3 Cr.
test out option available, if you test out take		
Intro to Computer Info Systems	CMIS 115	3 Cr.
❑ *Freshman English I*	ENGL 100	3 Cr.

Year 2

Fall Semester

❑ Computer Maintenance	CSTC 173	4 Cr.
❑ Introduction to Networking	CSTC 127	3 Cr.

Spring Semester

❑ Data Analytics	CSTC 102	3 Cr.
❑ Mathematics Requirement (choose 1)		
Introductory Statistics	MATH 190	4 Cr.
Math for Everyday Life	MATH 101	4 Cr.

Year 3

Fall Semester

❑ Cybersecurity Fundamentals	CBSY 100	3 Cr.
❑ Ethical Hacking	CBSY 101	3 Cr.

Spring Semester

❑ Scripting for Server Administration	CSTC 103	3 Cr.
❑ *Humanities Requirement* (see catalog requirements)		3-4 Cr.

Year 4

Fall Semester

❑ Network Security	CSTC 237	3 Cr.
❑ *Lab Science Requirement*		4 Cr.

Spring Semester

❑ Project Management for Information Technology	CSTC 104	3 Cr.
❑ Cloud Essentials	CSTC 240	3 Cr.
❑ *Communication Requirement*		3 Cr.

Year 5

Fall Semester

❑ Linux	ITIF 200	3 Cr.
❑ *Choose 1*		
American Political System	POLI 240	3 Cr.
United States History to 1865 (Even year)	HIST 250	3 Cr.
United States History Since 1865 (Odd year)	HIST 251	3 Cr

Academic Advising: You should meet with an academic counselor prior to registering for classes.

Note: Prerequisite courses may apply to this program. A minimum of 60 unduplicated credits (100 level or higher) are required for all associate degree programs.

Courses in italics may be taken in the summer term.

Total Minimum Credits: 60

Information Technology Cybersecurity , A.A.S. 24-25 catalog

Full-time spring start course schedule

Description: The Information Technology Cybersecurity program is designed for those who want to provide technical assistance for computer systems and users. This program provides instruction in both business and technology, and can lead to industry certifications from CompTIA, and Microsoft. Students must pass the CompTIA's A+, Network+, and CCNA to graduate from the program.

Completion Time: 2 Years

Full-time spring start course schedule (You do not have to follow this exact schedule. It is meant to show the courses needed.)

Year 1

Spring Semester

❑ **Success Skills for the 21st Century**	GNST 100	*3 Cr.*
❑ ***Computer Literacy***	CMIS 101	*3 Cr.*
test out option available, if you test out take		
Intro to Computer Info Systems	CMIS 115	*3 Cr.*
❑ **Freshman English I**	ENGL 100	*3 Cr.*
❑ **Choose 1**		
American Political System	POLI 240	*3 Cr.*
United States History to 1865	HIST 250*	*3 Cr.*

**If student wants HIST 251, swap with Communications requirement*

Fall Semester

❑ **Information Technology Fundamentals**	CSTC 101	*3 Cr.*
❑ **Introduction to Networking**	CSTC 127	*3 Cr.*
❑ **Computer Maintenance**	CSTC 173	*4 Cr.*
❑ ***Communication Requirement***		*3 Cr.*

Year 2

Spring Semester

❑ **Data Analytics**	CSTC 102	*3 Cr.*
❑ **Cloud Essentials**	CSTC 240	*3 Cr.*
❑ **Mathematics Requirement** (choose 1)		
Introductory Statistics	MATH 190	*4 Cr.*
Math for Everyday Life	MATH 101	*4 Cr.*
❑ **Humanities Requirement**		*3-4 Cr.*

Fall Semester 5

❑ **Cybersecurity Fundamentals**	CBSY 100	*3 Cr.*
❑ **Ethical Hacking**	CBSY 101	*3 Cr.*
❑ **Network Security**	CSTC 237	*3 Cr.*
❑ **Linux**	ITIF 200	*3 Cr.*

Year 3

Summer Session

❑ **Scripting for Server Administration**	CSTC 103	*3 Cr.*
❑ **Project Management for Information Technology**	CSTC 104	*3 Cr.*
❑ **Lab Science Requirement**		*4 Cr.*

Total Minimum Credits: 60

Academic Advising: You should meet with an academic counselor prior to registering for classes.

Note: Prerequisite courses may apply to this program. A minimum of 60 unduplicated credits (100 level or higher) are required for all associate degree programs.