

Cybersecurity



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Cybersecurity at Lee College is the study of safety precautions used to prevent crime that involves the internet, especially unauthorized access to computer systems and data connected to the internet such as theft, disruption, misdirection, or destruction.

According to the [United States Bureau of Labor Statistics](#), information security analyst jobs are projected to grow 31 percent by 2030 — much faster than the average for all occupations. In May 2020, during the peak of the COVID-19 pandemic, the median annual wage for this position was more than \$103,000.

Industries that employ information security analysts include finance and insurance, computer systems design, as well as administrative and support services.

What Will I Learn?

Students who want to pursue an Associate in Applied Science (AAS) degree or certificate in cybersecurity will learn about networking, computer maintenance, digital forensics, information security, and cyber-psychology in the face of emerging technology, as well as other information technology fundamentals.

What Can I Do with This Course of Study?

Graduates of this program may be employed as an information security analyst, digital forensic examiner, IT auditor, or in a number of IT-related positions.

Cybersecurity AAS Degree Plan

Foundations: These are the courses students need in order to progress in their career/college pathway, as they either provide a certificate or lay the groundwork for moving to the next set of courses.

Course	Course Title	Counts Toward
BCIS 1305	Business Computer Application	CCISS1
ITNW 1425	Fundamentals of Network Technology	CCISS1
ITSY 1300	Fundamentals of Information Security	CCISS1
CPMT 1411	Introduction to Computer Maintenance	CCISS1
ENGL 1301	English Composition I	

Knowledge Building: These courses further the students' knowledge in the area of study and increase their preparation for the degree completion.

Course	Course Title	Counts Toward
MATH 1314	College Algebra	
ITMT 1457	Administrating a Windows Operating System	CCISS1
ITDF 1400	Introduction to Digital Forensics	CCISS1
ITSY 1442	Information Technology Security	CCISS1
ITSE 1402	Computer Programming	CCISS1
SBS	Suggested: PSYC 2301 or SOCI 1301 Other Options: Any SBS core course	
SPCH 1321	Business and Professional Communications	

Completion: These are the courses the student needs in order to complete the degree plan and prepare to enter the workforce.

Course	Course Title	Counts Toward
ITNW 1309	Fundamentals of Cloud Computing	
LPC/Creative Arts	Suggested: HUMA 1301 or ARTS 1303 Other Options: Any Language, Philosophy, & Culture or Creative Arts	
ITSY 2441	Security Management Practices	

ITSY 2459	Security Assessment and Auditing
ITSY 2430	Intrusion Detection
OR	(Capstone)
ITSY 2487	OR
	Internship — Computer and Information Systems Security

Cybersecurity Certificate Plan — CISS1

Foundations: These are the courses students need in order to progress in their career/college pathway, as they either provide a certificate or lay the groundwork for moving to the next set of courses.

Course	Course Title	Counts Toward
ITNW 1425	Introduction to Networking (N+)	CISS1
CPMT 1411	Introduction to Computer Maintenance	CISS1
ITSY 1300	Fundamentals of Information Security	CISS1
ITDF 1400	Introduction to Digital Forensics	CISS1

Knowledge Building: These courses further the students' knowledge in the area of study and increase their preparation for the degree completion.

Course	Course Title	Counts Toward
ITSE 1402	Computer Programming	CISS1
BCIS 1305	Business Computer Application	CISS1
ITMT 1457	Administering a Windows Operating System	CISS1
ITSY 2441	Security Management Practices	CISS1

Completion: These are the courses the student needs in order to complete the degree plan and prepare to enter the workforce.

Course	Course Title	Counts Toward
ITSY 1442	Information Technology Security	CISS1

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Contact Info.

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