

# CYBERSECURITY ASSOCIATE IN SCIENCE DEGREE

The Associate in Science Cybersecurity degree program equips students with the foundational knowledge and practical skills to thrive in the ever-growing field of cybersecurity. This program focuses on building a solid understanding of network security, ethical hacking techniques, and computer forensics, preparing graduates for entry-level information security positions and industry certifications. Additionally, the program serves as a springboard for pursuing bachelor's and master's degrees in cybersecurity.

This AS degree includes a 24-credit stackable college credit certificate, Cybersecurity Analyst (<https://lssc-public.courseleaf.com/academic-programs/college-credit-certificate-programs/cybersecurity-analyst-college-credit-certificate/#text>).

## Academic Advising

- [advising@lssc.edu](mailto:advising@lssc.edu) 352-787-3747

## Career Development Services

- [Careers@lssc.edu](mailto:Careers@lssc.edu) 352-323-3603

## Program Contact Information

- Dr. Christopher Sargent, Associate Vice President of Workforce Programs [CIT@lssc.edu](mailto:CIT@lssc.edu) ([cit@lssc.edu](mailto:cit@lssc.edu)) 352-323-3635
- Workforce Programs Main Office 352-435-5024

## Program Requirements

Code	Title	Hours
<b>General Education Courses:</b>		
ENC 1101	College Composition I	3
	Humanities State Core <sup>1</sup>	3
POS 2041	American National Government (Or)	3
	AMH 2010 U.S. History to 1877 (Or)	
	AMH 2020 U.S. History Since 1877	
MAC 1105	College Algebra (Or)	3
	MAC 1140 Precalculus Algebra (Or)	
	MAC 1114 Trigonometry (Or)	
	MAC 2311 Calculus with Analytic Geometry I	
	Natural Science State Core <sup>1</sup>	3
<b>College Credit Certificate Core Courses:</b>		
CGS 1000	Introduction to Information Technology	3
COP 1000	Introduction to Programming	3
CIS 2530	Introduction to Cybersecurity	3
CGS 1820	Web Programming	3
CTS 2134	Network+ Concepts	3
CTS 2655	Routing and Switching Fundamentals	3
CTS 2334	Server Administration	3
CET 2660	Network Security Fundamentals	3
<b>Advanced AS Degree Core Courses:</b>		
COP 2700	Database and SQL Concepts	3
CET 2664	Encryption and Cryptography	3

CET 2880	Digital Forensics	3
CIS 2252	Cybersecurity Ethics	3
CTS 2142	Project Management Concepts	3
CIS 2941	Internship in Computer Information Technology	3
<b>Program Elective Course:</b>		
Select One of the following:		3
MAT 1033	Intermediate Algebra	
Or any CGS, CTS, CET, CEN, COP, CIS, or CAI course not listed above.		
<b>Total Hours</b>		<b>60</b>

<sup>1</sup> See course options. (<https://lssc-public.courseleaf.com/academic-programs/general-education-requirements/>)

Students should make an appointment with the program director prior to or immediately after enrolling to discuss the nuances of the program.

Only required courses for an LSSC degree or qualifying certificate program are eligible for federal financial aid. Verify course choices and avoid charges by making an appointment with an academic advisor.

Students must earn a grade of C or higher in all core and program elective courses.

## Civic Literacy Requirement

As per the amended Florida Rule 6A-10.02413, prior to the award of a specialized associate in arts transfer degree, associate in arts, associate in science, or baccalaureate degree, LSSC students under the 2022-2023 Catalog and thereafter must demonstrate competency in civic literacy through one of the following options prior to graduation:

- successfully passing POS 2041 American National Government or AMH 2020 U.S. History Since 1877, or AMH 2010 U.S. History to 1877 (beginning Fall 2024 forward), or AMS 2010 Civil Discourse and the American Political Order and achieving a 60% or higher on the Florida Civic Literacy Exam, or
- successfully passing a prescribed assessment:
  - AP Government & Politics Test: United States (passing score of 3), or
  - AP U.S. History Test (passing score of 4), or
  - CLEP: American Government (passing score of 50)
  - CLEP: History of the United States I (passing score of 50)

**To verify your Civic Literacy Requirement, please visit Degree Works (<https://degreeworks.lssc.edu/>)**

For information about career options, visit [www.lssc.edu/careers](http://www.lssc.edu/careers).

Students must complete 25% of each program's total credit hours at LSSC.