

COMPUTER INFORMATION TECHNOLOGY ASSOCIATE IN SCIENCE DEGREE

The Computer Information Technology A.S. degree program offers a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in the Information Technology field.

This program includes the following certificates:

- Help Desk Support Technician, College Credit Certificate (18 credits) (p.)
- Cybersecurity, College Credit Certificate (33 credits) (p.)
- Information Technology Analysis, College Credit Certificate (30 credits) (p.)
- Information Technology Support Specialist, College Credit Certificate (24 credits) (p.)
- Internet of Things Specialist, College Credit Certificate (24 credits) (p.)

Academic Advising

- advising@lssc.edu 352-787-3747

Career Development Services

- Careers@lssc.edu 352-323-3603

Program Contact Information

CIT@lssc.edu 352-323-3635

Full-Time Plan

Course	Title	Hours
First Semester		
CGS 1100	Business Computer Applications	3
CGS 1000	Introduction to Information Technology	3
CTS 1133	A+ Software	3
CTS 1155	Help Desk Customer Service	3
ENC 1101	College Composition I	3
MAT 1033 or MGF 1100	Intermediate Algebra ¹ or Introduction to Mathematical Thinking	3
Hours		18
Second Semester		
POS 2041 or AMH 2020	American National Government or U.S. History Since 1877	3
CTS 1131	A+ Hardware	3
COP 2700	Database and SQL Concepts	3
HUM 2020 or PHI 2010	Introduction to Humanities: Antiquity through the 21st Century or Introduction to Philosophy	3
MAC 1105 or MGF 1106	College Algebra or Liberal Arts Math	3
Hours		15
Third Semester		
CTS 2142	Project Management Concepts	3
CTS 2134	Network+ Concepts	3
CET 2660	Network Security Fundamentals	3

GEB 2214	Business Communications	3
AST 1002 or CHM 1020	Introduction to Astronomy or Chemistry in Society	3
Hours		15
Fourth Semester		
CTS 2334	Server Administration	3
CIS 2321	Systems Analysis & Design	3
CIT Program Elective		3
CIT Program Elective		3
Hours		12
Total Hours		60

¹ MAT 1100 serves only as a prerequisite for MGF 1106 Liberal Arts Math and MGF 1107 Explorations In Math, not MAC 1105 College Algebra. If you plan to take MAC 1105 College Algebra, select MAT 1033 Intermediate Algebra.

Part-Time Plan

Course	Title	Hours
First Semester		
CGS 1100	Business Computer Applications	3
CGS 1000	Introduction to Information Technology	3
Hours		6
Second Semester		
CTS 1133	A+ Software	3
CTS 1131	A+ Hardware	3
Hours		6
Third Semester		
ENC 1101	College Composition I	3
MAT 1100 or MAT 1033	¹ or Intermediate Algebra	3
Hours		6
Fourth Semester		
MAC 1105 or MGF 1106	College Algebra or Liberal Arts Math	3
CTS 1155	Help Desk Customer Service	3
CTS 2142	Project Management Concepts	3
Hours		9
Fifth Semester		
GEB 2214	Business Communications	3
COP 2700	Database and SQL Concepts	3
Hours		6
Sixth Semester		
HUM 2020 or PHI 2010	Introduction to Humanities: Antiquity through the 21st Century or Introduction to Philosophy	3
AMH 2020 or POS 2041	U.S. History Since 1877 or American National Government	3
Hours		6
Seventh Semester		
CTS 2134	Network+ Concepts	3
CIT Program Elective		3
Hours		6
Eighth Semester		
CTS 2334	Server Administration	3
CIT Program Elective		3
Hours		6
Ninth Semester		
CET 2660	Network Security Fundamentals	3

AST 1002 or CHM 1020	Introduction to Astronomy or Chemistry in Society	3
Hours		6
Tenth Semester		
CIS 2321	Systems Analysis & Design	3
Hours		3
Total Hours		60

¹ MAT 1100 serves only as a prerequisite for MGF 1106 Liberal Arts Math and MGF 1107 Explorations In Math, not MAC 1105 College Algebra. If you plan to take MAC 1105 College Algebra, select MAT 1033 Intermediate Algebra.

Program Requirements

Code	Title	Hours
General Education Courses		
ENC 1101	College Composition I	3
Select a State Core Course from Area II: Humanities ¹		3
POS 2041 or AMH 2020	American National Government U.S. History Since 1877	3
Select a State Core Course from Area IV: Mathematics ¹		3
Natural Sciences State Core ¹		3
Introductory Courses		
CGS 1100	Business Computer Applications	3
CTS 1155	Help Desk Customer Service	3
CGS 1000	Introduction to Information Technology	3
CTS 1133	A+ Software	3
CTS 1131	A+ Hardware	3
Intermediate Courses		
GEB 2214	Business Communications	3
CTS 2134	Network+ Concepts	3
CTS 2142	Project Management Concepts	3
COP 2700	Database and SQL Concepts	3
Advanced Courses		
CET 2660	Network Security Fundamentals	3
CTS 2334	Server Administration	3
CIS 2321	Systems Analysis & Design	3
Program Electives		
Select nine credits from the following: ^{2,3}		9
MAT 1033	Intermediate Algebra	
MGF 1100	Introduction to Mathematical Thinking	
COP 1220	Introduction to Programming in C	
CEN 2212L	Internet of Things	
CIS 2530	Introduction to Cybersecurity	
CTS 2321	Linux System Administration	
CET 2880	Digital Forensics	
Any CGS, CTS, CET, CEN, COP, CIS course not listed above.		
The HIM course below may be taken to prepare for the CITCM-PP certification:		
HIM 1211	Basic Health Information Technology	
Total Hours		60

¹ See Choices

² Students should check with transfer institution before selecting course to guarantee transferability.

³ It is strongly recommended that professional electives be selected in consultation with a Computer Information Technology faculty member.

When beginning this program, students should make an appointment for advising with the program manager.

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 introductory, intermediate, advanced, and program elective courses.

As per the amended Florida Rule 6A-10.02413, prior to the award of an associate in science or associate in applied science 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 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)

To verify your Civic Literacy Requirement, please visit Degree Works.

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.