

APPLIED ARTIFICIAL INTELLIGENCE ASSOCIATE IN SCIENCE DEGREE

The Associate in Science Applied Artificial Intelligence degree is designed to prepare students to apply AI skills to the growing number of careers that will utilize this technology. Students will discover core AI applications and explore the ethical considerations involved in their design and implementation. They will develop a strong foundation in machine learning fundamentals and gain insights into the functions of generative AI virtual assistants.

The degree contains an 18-credit stackable Artificial Intelligence Practitioner College Credit Certificate (<https://lssc-public.courseleaf.com/academic-programs/college-credit-certificate-programs/artificial-intelligence-practitioner-college-credit-certificate/>).

Academic Advising

- advising@lssc.edu 352-787-3747

Career Development Services

- Careers@lssc.edu 352-323-3603

Program Contact Information

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

Program Requirements

Code	Title	Hours
General Education Course (15 credits):		
ENC 1101	College Composition I	3
	Humanities State Core ¹	3
POS 2041	American National Government	3
	or AMH 2020 U.S. History Since 1877	
STA 2023	Elementary Statistics I	3
	Natural Science State Core ¹	3
College Credit Certificate Core Courses (18 credits):		
CAI 1000	Introduction to Artificial Intelligence	3
CAI 2100	Machine Learning Foundations	3
CGS 1000	Introduction to Information Technology	3
CAI 1020	Philosophy of Artificial Intelligence	3
CAI 2840	Introduction to Computer Vision	3
CAI 2300	Introduction to Natural Language Processing	3
Advanced AS Degree Core Courses (24 credits):		
COP 1000	Introduction to Programming	3
COP 2700	Database and SQL Concepts	3
CAI 2800	Artificial Intelligence for Business Solutions	3
CAI 2220	Introduction to Generative AI Prompt Engineering	3
CTS 1138C	PC Hardware and Operating Systems (A+)	3
CTS 2145	Cloud Essentials	3
GEB 2214	Business Communications	3
CIS 2941	Internship in Computer Information Technology	3

Program Elective Courses (3 credits):		3
MAT 1033	Intermediate Algebra	
MGF 1100	Introduction to Mathematical Thinking	
Any CGS, CTS, CET, CEN, COP, CIS, or CAI course not listed above.		
Total Hours		60

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

When beginning this program, students should make an appointment to speak with the program director or dean.

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 <https://www.lssc.edu/student-resources/career-development-services/>.

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