FSCJ Florida State College at Jacksonville

Advanced Driver Assistance Systems (ADAS) Technician (6963)

TECHNICAL CERTIFICATE | College Catalog Year: 2022-2023

The Technical Certificate (T.C.) in Advanced Driver Assistance Systems (ADAS) Technician prepares students for entry into the automotive repair industry.

Due to rapid advances in technology, the service and repair of cars and trucks has evolved into a more complex and challenging career. Today's Advanced Driver Assistance Systems (ADAS) Technician must have advanced skills and training required for a successful career in this field.

☑	Task
☐	View career information at http://www.fscj.edu/careercoach
☐	Meet with your advisor each term.
☐	Satisfy the technical certificate graduation requirements.

Notice to Prospective Students

A poor driving record, certain felony convictions, or not having a regular unrestricted driver's license will adversely affect your employment opportunities as an Automotive Technician. Students are strongly encouraged to explore employment eligibility requirements for any career field before choosing and starting a program of study.

Articulation

This certificate articulates directly into the Automotive Service Management Technology (A236) (A.A.S.) degree. Students may pursue one or more certificates to develop or upgrade their skills in a particular field or pursue the A.A.S. degree and earn technical certificates while completing the requirements for the degree. Contact an advisor to determine the career education path that is best for you.

Advising

(904) 633-8334 or autodiesel@fscj.edu.

Recommended Roadmap

This roadmap provides general guidance about recommended courses. For specific guidance about your individual academic degree plan, please see an advisor. Also refer to the College Catalog for additional information. **Full-time students will refer to the term-by-term recommendations**, and **part-time students will take courses in the order listed**. A minimum grade of C or higher must be achieved in all professional courses.

Term 1

☑	Course: Course Title	Credit Hours	Terms Offered	Available Modalities
☐	AER 1081C: Introduction to Automotive Technology	4	Fall, Spring	On-Campus
☐	AER 1498C: Steering and Suspension	4	Fall, Spring	On-Campus
☐	AER 1694C: Electrical Systems I	4	Fall, Spring	On-Campus

Term 2

☑	Course: Course Title	Credit Hours	Terms Offered	Available Modalities
☐	AER 1420C: Advanced Driver Assistance Systems (ADAS) and Diagnosis	4	Fall	Hybrid
☐	AER 2695C: Electrical Systems II	4	Summer, Fall	On-Campus
☐	AER 1598C: Brake Systems	4	Spring, Summer	On-Campus

Term 3

☑	Course: Course Title	Credit Hours	Terms Offered	Available Modalities
☐	AER 1425: The Connected Car: Autonomous Systems and Diagnosis	3	Spring	Hybrid

Total Program Credit Hours

The Advanced Driver Assistance Systems (ADAS) Technician T.C. program requires a **minimum of 27 credit hours**. Total program hours may vary based on the student's individual degree plan. Please see an advisor for individual guidance.

Important for You to Know

This academic roadmap does not include developmental education courses in reading, writing, and/or mathematics that you may be required to take. Students who place into developmental education courses are required to complete designated developmental education courses with a grade of C or higher regardless of program of study. In addition, it does not include MAT 1033: Intermediate Algebra, which, for many students, is a prerequisite course for MAC 1105.

Program Learning Outcomes

Upon completing this program, students will be able to demonstrate proficiency in the following program learning outcomes:

- Students will learn the application, function, and diagnosis of ADAS systems
- Students will learn the application, function, and diagnosis of ADAS passive sensors (cameras, yaw, steering angle, steering touch)
- Students will learn the application, function, and diagnosis of ADAS active sensors (ultrasonic, RADAR, LiDAR)
- Students will learn the calibration for front mounted camera, front RADAR, blind spot RADAR, and rear/surround view cameras