

AUTO TECH, FORD AUTOMOTIVE STUDENT SERVICE EDUCATIONAL TRAINING (ASSET) PROGRAM, LEVEL 2 CERTIFICATE



Program Information

Are you looking to shift your career into high gear? If so, look no further than the Ford Automotive Student Service Educational Training (ASSET) program at San Jacinto College. Cars and trucks are much more complex than they used to be, increasingly relying on complicated computer systems and electronics for operation. At San Jacinto College, students get the right training to excel in the ever-changing and always exciting field of automotive technology. Ford ASSET trains students to become successful service technicians certified in Ford service, diagnostic, and repair methods.

The Ford ASSET program:

- Is recognized as the premier program in the global automotive industry for training and placement of new manufacturer-specific technicians;
- Is the primary source of new technicians trained and equipped with the basic knowledge, skills, and experience to become successful and productive career professionals at the senior master level, while earning an associate degree;
- Provides tools, course materials, and the opportunity to *Earn While You Learn* as students are also employed as dealer technicians while completing the program;
- Provides students the opportunity to earn factory Ford Certifications to become Ford certified technicians; and
- Gives students the experience needed to prepare for the Automotive Service Excellence (ASE) exam.

Additional Information

All automotive technology programs at San Jacinto College are accredited through ASE Education Foundation.

Ford ASSET Certification and Training Areas:

- Gasoline engine performance;
- Gasoline engine repair;
- Steering and suspension;
- Brake systems;

- Electrical systems;
- Climate control;
- Manual transmissions and axles;
- Automatic transmissions;
- Diesel engine performance;
- Diesel engine repair; and
- Gasoline Turbo Direct Injection (GTDI).

Career Opportunities

The Ford ASSET program prepares students for careers in dealerships as:

- Service technicians;
- Parts counter persons;
- Service writers; and
- Car sales personnel.

Earning Potential

Automotive Service Technicians and Mechanics: \$52,323 per year¹

¹ Source: texaswages.com (<http://texaswages.com>), median salary Gulf Coast region, 2023

For more information, students may contact Tom Hameka, Program Coordinator at 281-998-6350, x1133 or tom.hameka@sjcd.edu

Kay Richardson, Department Chair at 281-991-2608 or kay.richardson@sjcd.edu

Campus

Central Campus

Information

The Ford ASSET Level 2 Certificate prepares individuals for entry-level employment as automotive service technicians. San Jacinto College provides students the training they need. Today's automobiles are equipped with multiple computers and extensive electronics. Servicing vehicles equipped with active suspension, satellite guidance systems, and computer-controlled, multi-valve engines requires highly specialized training. Throughout the program, students are able to practice their learning during dealership-paid internships in the *Earn While You Learn* program. Upon the completion of this curriculum, students will have earned Ford certification and should be prepared to take the Automotive Service Excellence (ASE) Certification exams and be ready for full-time employment at a Ford/Lincoln dealership. Students interested in the Ford Level 2 Certificate program must meet with the ASSET coordinator or Department Chair before registering for automotive classes.

Students enrolling into San Jacinto College programs with external learning experiences (i.e., clinical, practicum, externship, cooperative, etc.) will be required to comply with the immunization requirements and policies of the clinical/external learning sites to engage in all clinical/external learning experiences. Vaccination requirements at clinical/external learning sites are implemented pursuant to the independent authority of such facilities and are not mandated by San Jacinto College. Failure to meet the immunization requirements mandated by clinical/external learning sites may limit a student's ability to complete the program and/or may delay the student's graduation date. San Jacinto College does not process exemptions, and students should address

potential vaccination exemptions directly with the clinical/external learning site.

Plan of Study

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First Term		Credits
AUMT 1407	Automotive Electrical Systems	4
AUMT 2421	Automotive Electrical Diagnosis and Repair	4
AUMT 2288	Internship - Automotive Technology	2
Credits		10
Second Term		
AUMT 1416	Automotive Suspension and Steering	4
AUMT 1410	Automotive Brake Systems	4
AUMT 2188	Internship - Automotive Technology	1
Credits		9
Summer Year One Term		
AUMT 1345	Automotive Climate Control Systems	3
AUMT 1319	Automotive Engine Repair	3
Credits		6
Third Term		
AUMT 2288	Internship - Automotive Technology	2
AUMT 2417	Automotive Engine Performance Analysis I	4
AUMT 2434	Automotive Engine Performance Analysis II	4
Credits		10
Fourth Term		
AUMT 2288	Internship - Automotive Technology	2
AUMT 2413	Manual Drivetrain and Axles	4
AUMT 2425	Automotive Automatic Transmission and Transaxles	4
Credits		10
Total Credits		45

Capstone Experience: AUMT 2288 Internship - Automotive Technology

Eligible for credentialing exam

Note: Applicants must meet the admission requirements for San Jacinto College .

Department-specific courses must be taken in sequence and may have a prerequisite course.

Exceptions must be approved by the Department Chair.