

AUTO TECH, FORD AUTOMOTIVE STUDENT SERVICE EDUCATIONAL TRAINING (ASSET) PROGRAM, ASSOCIATE OF APPLIED SCIENCE



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 program streamlines the path to becoming a highly trained automotive technician to less than two years. In the Ford ASSET program you will alternate between San Jacinto College, a Ford ASSET College, and hands-on work experience at your sponsoring dealership. Ford ASSET instructors are Ford-trained and in touch with the latest automotive trends. You will be learning from the best. Learn how to identify, analyze, and solve complex automotive problems. Theory and practical application will come together as you spend time working on actual customer vehicles. Ford Motor Company requires Ford ASSET instructors to have the latest high tech training available. Ford ASSET Colleges are ready to provide the most current training available in the industry. As a Ford ASSET student you will complete between 80-100% of the Ford training required to become a Ford certified technician. The more you train, the more valuable you become as an employee. Ford Motor Company donates new vehicles to its Ford ASSET Colleges. This ensures that you are training on the latest vehicle technology. If you are training

on 10 year old vehicles, your training is already 10 years out of date. All Ford ASSET Programs including San Jacinto College are accredited by the National Automotive Technicians Education Foundation (NATEF). This accreditation ensures that your training will meet or exceed industry standards. All Ford ASSET instructors must be certified by the National Institute for Automotive Service Excellence (ASE) before they are allowed to teach in any Ford ASSET classroom. Students interested in the Ford ASSET program are required to 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 |
| Select one of the following: | | 3 |
| SPCH 1311 | Introduction to Speech Communication | |
| SPCH 1315 | Public Speaking | |
| SPCH 1318 | Interpersonal Communication | |
| SPCH 1321 | Business and Professional Speech | |
| Credits | | 13 |
| Second Term | | |
| AUMT 1416 | Automotive Suspension and Steering | 4 |
| AUMT 1410 | Automotive Brake Systems | 4 |
| AUMT 2188 | Internship - Automotive Technology | 1 |
| Social and Behavioral Sciences or Government/Political Science or American History | | 3 |
| Language, Philosophy and Culture (Humanities) or Creative Arts (Fine Arts) | | 3 |
| Credits | | 15 |
| 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 |
| ENGL 1301 | Composition I | 3 |
| Credits | | 13 |

Fourth Term

| | | |
|----------------------|--|-----------|
| AUMT 2288 | Internship - Automotive Technology | 2 |
| AUMT 2413 | Manual Drivetrain and Axles | 4 |
| AUMT 2425 | Automotive Automatic Transmission and Transaxles | 4 |
| Mathematics | | 3 |
| Credits | | 13 |
| Total Credits | | 60 |

Capstone Experience: AUMT 2288; **Eligible for credentialing exams**

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.