

# AUTO TECH, FUTURE AUTOMOTIVE SERVICE TECHNICIANS (FAST) PROGRAM AUTOMOTIVE TECHNOLOGY, ASSOCIATE OF APPLIED SCIENCE



## Program Information

With automotive technology rapidly developing each year and becoming increasingly complex, the industry demand for qualified service technicians grows exponentially. At San Jacinto College, students receive the proper hands-on training and education to excel and become successful in the automotive field. Students study the eight areas of Automotive Service Excellence (ASE), with the goal of becoming properly trained, certified, and employed at an automotive repair facility. After graduation, students will have several exciting career avenues from which to choose, including service technician, shop foreman, service advisor, service manager, parts counter, and car sales – all areas that reward hard workers and strong talent.

The San Jacinto College Future Automotive Service Technicians (FAST) Automotive Technology program:

- Offers lectures and in-class demonstrations, combined with practice lab skill sets, which better prepare and train students to transition into the work force;
- Provides students with the opportunity to work in the automotive field while attending school, in the *Earn While You Learn* program;
- Teaches students the theory of operation, component identification, and diagnostic procedures; all of which helps develop critical thinking skills necessary for proper vehicle diagnostics along with better preparation for passing the ASE exams; and
- Provides students the hands-on experience needed for proper development and training.

## Additional Information

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

## Career Opportunities

The San Jacinto College Automotive Technology program prepares students for careers in:

- Automotive dealerships;
- Independent service shops;
- Franchise repair shops;
- Exhaust shops;
- Brake shops; and
- Tire specialty shops.

## Earning Potential

Automotive Service Technicians and Mechanics: \$50,337 per year<sup>1</sup>

<sup>1</sup> Source: [texaswages.com](http://texaswages.com) (<http://texaswages.com>), median salary Gulf Coast region, 2022

For more information, students may call Tommy Hendricks, Program Coordinator at 281-998-6350, x1150 or [thomas.hendricks@sjcd.edu](mailto:thomas.hendricks@sjcd.edu) or Kay Richardson, Department Chair at 281-991-2608 or [kay.richardson@sjcd.edu](mailto:kay.richardson@sjcd.edu)

## Campus

Central Campus

## Information

The Automotive Technology Future Automotive Service Technicians (FAST) program prepares individuals for employment as entry-level Automotive Service Technicians. San Jacinto College can provide students with 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. Upon the completion of this curriculum, students should be prepared to take the Automotive Service Excellence (ASE) Certification exams.

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

3AUTO

First Term		Credits
AUMT 1201	Introduction and Theory of Automotive Technology	2
AUMT 1407	Automotive Electrical Systems	4

AUMT 2421	Automotive Electrical Diagnosis and Repair	4
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	
<b>Credits</b>		<b>13</b>
<b>Second Term</b>		
AUMT 1410	Automotive Brake Systems	4
AUMT 1416	Automotive Suspension and Steering	4
AUMT 2288	Internship - Automotive Technology	2
Language, Philosophy, and Culture (Humanities) or Creative Arts (Fine Arts)		3
<b>Credits</b>		<b>13</b>
<b>Summer Year One Term</b>		
AUMT 1345	Automotive Climate Control Systems	3
AUMT 1419	Automotive Engine Repair	4
<b>Credits</b>		<b>7</b>
<b>Third Term</b>		
AUMT 2417	Automotive Engine Performance Analysis I	4
AUMT 2434	Automotive Engine Performance Analysis II	4
AUMT 2289	Internship - Automotive Technology	2
ENGL 1301	Composition I	3
<b>Credits</b>		<b>13</b>
<b>Fourth Term</b>		
AUMT 2413	Manual Drivetrain and Axles	4
AUMT 2425	Automotive Automatic Transmission and Transaxles	4
Social and Behavioral Sciences or Government/Political Science or American History		3
Mathematics		3
<b>Credits</b>		<b>14</b>
<b>Total Credits</b>		<b>60</b>

**Capstone Experience:** AUMT 2289 Internship - Automotive Technology; **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.