

Automotive Technology, A.A.S.—60 Hrs

YEAR 1

SEMESTER I

AUMT 1305-Intro to Automotive Technology  
AUMT 1307-Electrical Systems  
AUMT 1410 Automotive Brakes  
MATH 1332 Contemporary Mathematics  
(Quantitative Reasoning)

SEMESTER II

AUMT 1419-Engine Repair  
AUMT 1316-Suspension & Steering  
AUMT 2421-Automotive Electrical Diagnosis & Repair  
ENGL 1301-Composition I **OR** Select 1 course from the  
AAS Communication (10) Core

SEMESTER III (Summer Session)

AUMT 1266-Practicum I **OR** AUMT 2288-Internship I  
PHYS 1305-Intro to Physics I Lecture **OR** Select 1 course  
from the Life & Physical Sciences (30) Core

YEAR 2

SEMESTER IV

AUMT 1345-Automotive Climate Control Systems  
AUMT 2313-Manual Drive Train & Axle  
AUMT 2317-Engine Performance Analysis I  
Select 1 course from the Language, Philosophy &  
Culture (40) Core **OR** Creative Arts (50) Core

SEMESTER V

AUMT 2434-Engine Performance Analysis II  
AUMT 2337-Automotive Electronics  
AUMT 2425-Automotive Trans & Axle  
AUMT 2266-Practicum II **OR** AUMT 2289-Internship II  
Select 1 course from the AAS Social & Behavioral  
Sciences (80) core.  
Select 1 course from the Social & Behavioral Sciences

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EEO Official/Director of Human Resources, Title IX  
Coordinator, Human Resource Department,  
201 W. Sheridan, Bldg. A, San Antonio, Texas 78204  
(210) 485-0000.

## Transportation Service Technologies— Automotive Technology Programs



Instructor  
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For more information, please contact the  
Transportation Service Technologies Department  
at:

Automotive Technology  
St. Philip's College  
1801 Martin Luther King Drive  
San Antonio, Texas 78203-2098  
(210) 486-2568

[www.alamo.edu/spc/automotive-technology](http://www.alamo.edu/spc/automotive-technology)

# St. Philip's College

**A**utomotive  
**T**echnology  
**A.A.S** Degree  
and  
**C**ertificate  
**P**rograms

***SINCE 1957***



## What is Automotive Technology?

The Automotive Technology program is a training curriculum designed to provide individuals with the knowledge and skills required to pursue a career in today's highly technical automotive field.

### How long are the various programs?

- ◆ Certificates of Completion: The certificate programs can all be completed in one year or less. Students may enroll in multiple certificates simultaneously; however, this will increase the completion time. Any duplicated courses in the program need only be taken once.
- ◆ Associate Degree Program: The Associate of Applied Science Degree program is designed to be completed in two years.

### What is ASE Certification?

Recognized industrial certification for Automotive Technicians. \*ASE Certification requires a minimum of two years of Shop experience. Two years of college in Automotive Technology may be used as one year of Shop experience.

### ASE Master Technician

#### Transmission Specialist Certificate:

Manual Drive Train & Axles  
Automatic Trans/Transaxle

#### Performance Specialist Certificate:

Engine Performance  
Emissions

#### Heating & Air Conditioning Certificate:

Heating/Air Conditioning

#### Brake & Front End Certificate:

Brakes  
Suspension & Steering

#### Auto Technician Certificate:

Suspension & Steering  
Brakes  
Manual Drive Trans & Axles

### What are the entrance requirements for the Automotive Technology program?

- ◆ High School Diploma or GED.
- ◆ Meet automotive requirements for minimum reading and computational skills. Developmental courses are available to those needing improvement.
- ◆ Have a desire to work hard.

### How does a student enroll for the auto programs?

- ◆ Complete application at: [www.applytexas.org](http://www.applytexas.org).
- ◆ Complete college placement exams.
- ◆ Register for Automotive courses.
- ◆ Pay tuition and fees.

### What careers in addition to automotive technician are available to a graduate?

The Automotive Technology Degree opens opportunities in many career paths. In addition to a service technician, graduates may find opportunities as a parts manager, counter sales representative, manufacturer's representative, store manager, insurance claims adjustor, fleet maintenance managers, service repair writers and repair shop managers.

### Are courses completed in a certificate program transferable to the Associate Degree?

Any courses taken under a certificate program will automatically transfer to the AAS Degree.

### Automotive Technology Certificate of Completion-29 Hrs

#### SEMESTER I

AUMT 1305-Introduction to Automotive Technology  
AUMT 1307-Electrical Systems  
AUMT 1316-Suspension and Steering  
AUMT 1410-Automotive Brakes

#### SEMESTER II

AUMT 2313-Manual Drive Train & Axle  
AUMT 2317-Engine Performance Analysis I  
AUMT 1419-Engine Repair  
AUMT 2421-Automotive Electrical Diagnosis and Repair  
SEMESTER III  
AUMT 1266-Practicum I OR AUMT 2288-Internship I

### Automotive Performance Specialist Certificate-26 Hrs

#### SEMESTER I

AUMT 1305-Introduction to Automotive Technology  
AUMT 1307-Electrical Systems  
AUMT 2317-Engine Performance Analysis I  
AUMT 1419-Engine Repair

#### SEMESTER II

AUMT 2434-Engine Performance Analysis II  
AUMT 2337-Automotive Electronics  
AUMT 2421-Electrical Diagnosis and Repair

### Brake and Front End Specialist Certificate-18 Hrs

#### SEMESTER I

AUMT 1305-Introduction to Automotive Technology  
AUMT 1307-Electrical Systems  
AUMT 1410-Automotive Brakes

#### SEMESTER II

AUMT 1316-Suspension and Steering  
AUMT 2317-Engine Performance Analysis I  
AUMT 1266-Practicum I OR AUMT 2288-Internship I

### Automotive Heating & Air Conditioning Specialist-18 Hrs

#### SEMESTER I

AUMT 1305-Introduction to Automotive Technology  
AUMT 1307-Electrical Systems  
AUMT 2317-Engine Performance Analysis I

#### SEMESTER II

AUMT 2421-Automotive Electrical Diagnosis & Repair  
AUMT 1345-Automotive Climate Control Systems  
AUMT 1266-Practicum I OR AUMT 2288-Internship I

### Transmission Specialist Certificate-18 Hrs

#### SEMESTER I

AUMT 1305-Introduction to Automotive Technology OR  
AUMT 1405-Introduction to Automotive Technology  
AUMT 1307-Electrical Systems  
AUMT 2313-Manual Drive Train & Axle

#### SEMESTER II

AUMT 2317-Engine Performance Analysis I  
AUMT 2425-Automotive Trans & Transaxle  
AUMT 2266-Practicum II OR AUMT 2288 Internship II

