

## Awards

**Associate Degree:** Automotive Systems Technology (A60160)  
**Length of Program:** 5 Semesters  
**Prerequisite:** High School Diploma, Placement Test Equivalent

**Diploma:** Automotive Systems Technology (D60160)  
**Length of Program:** 3 Semesters  
**Prerequisite:** High School Diploma, Placement Test Equivalent

**Certificate:** Maintenance & Light Repair I Certificate (C60160C6)  
**Length of Program:** 1 Semester  
**Prerequisite:** High School Diploma, Placement Test Equivalent

**Certificate:** Maintenance & Light II Certificate (C60160C7)  
**Length of Program:** 1 Semester  
**Prerequisite:** High School Diploma, Placement Test Equivalent

**Certificate:** Maintenance & Light I Certificate (C60160H2)  
**Length of Program:** 1 Semester  
**Prerequisite:** High School Diploma, Placement Test Equivalent

## Other Important Information

**Application Deadlines:** The program is designed for a student to enter during the fall semester. A student may enter at other times with approval of the Department Chairperson.

**Scholarship/Title IV Financial Aid/VA Services:** Scholarships/Title IV Financial Aid/Veteran's assistance may be available for associate degrees. Certificates and diplomas that fall under this program/area of study may or may not be eligible for Scholarship/Title IV Financial Aid/VA Services. Please contact the Financial Aid Office, Student Center, Room 2; Telephone (910) 678-8242. Veterans Services, General Classroom Building, Room 202, (910) 678-8580.



## Program Information Contact

### Curriculum Chairperson

Brian Oldham  
 (910) 678-8260

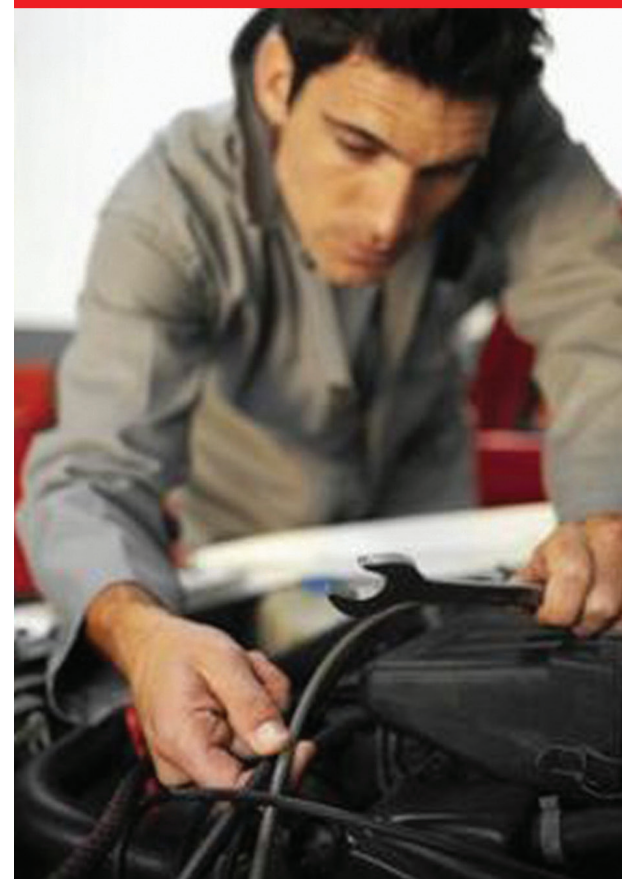
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Rev. 02/05/25

# AUTOMOTIVE SYSTEMS TECHNOLOGY



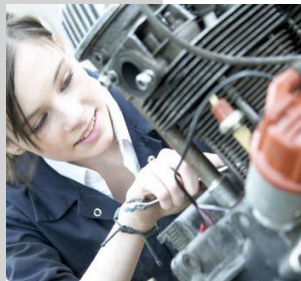
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*Fayetteville Technical  
Community College*

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## PROGRAM FACT SHEET AUTOMOTIVE SYSTEMS TECHNOLOGY (A60160)



The Automotive Systems Technology program prepares individuals for employment as automotive service technicians. It provides an introduction to automotive careers and increases student awareness of the

challenge associated with this fast and ever-changing field.

Classroom and lab experiences integrate technical and academic course work. Emphasis is placed on theory, servicing and operation of brakes, electrical/electronic systems, engine performance, steering/suspension, automatic transmission/transaxles, engine repair, climate control, and manual drive trains.



After completion of this NATEF accredited curriculum, students should be prepared to take the ASE exam and be ready for full-time employment in dealerships and repair shops in the automotive service industry.



The Automotive Systems Technology Program prepares students for the ASE Certification. The ASE Certifications are valid nationwide. During the course of the program you will have the opportunity to earn five certificates from Ford Motor Company that are valid nationwide.

## FAYETTEVILLE TECHNICAL COMMUNITY COLLEGE AUTOMOTIVE SYSTEMS TECHNOLOGY (A60160)

Effective: Fall 2025

Revised: 02/05/25

Length: 5 Semesters

Prerequisite: High School Diploma, Placement Test Equivalent

Award: Associate in Applied Science

### FALL SEMESTER 1

Prefix	No.	Title	Class	Lab	Clinical	Credit
AUT	151	Brake Systems	2	3	0	3
AUT	151A	Brake Systems Lab	0	3	0	1
TRN	110	Intro to Transp Tech	1	2	0	2
TRN	120	Basic Transp Electricity	4	3	0	5
TRN	170	PC Skills for Transp	1	2	0	2
		Humanities/Fine Arts Elec	3	0	0	3
<b>TOTALS</b>			<b>11</b>	<b>13</b>	<b>0</b>	<b>16</b>

### SPRING SEMESTER 1

Prefix	No.	Title	Class	Lab	Clinical	Credit
AUT	113	Automotive Servicing I	0	6	0	2
AUT	141	Suspension & Steering Sys	2	3	0	3
AUT	141A	Suspension & Steering Sys Lab	0	3	0	1
AUT	163	Adv Auto Electricity	2	3	0	3
AUT	163A	Adv Auto Electricity Lab	0	3	0	1
TRN	140	Transp Climate Control	1	2	0	2
TRN	140A	Transp Climate Control Lab	1	2	0	2
<b>TOTALS</b>			<b>6</b>	<b>22</b>	<b>0</b>	<b>14</b>

### SUMMER SEMESTER 1

Prefix	No.	Title	Class	Lab	Clinical	Credit
AUT	181	Engine Performance I	2	3	0	3
ATT	125	Hybrid-Electric TRans	2	4	0	4
<b>TOTALS</b>			<b>4</b>	<b>7</b>	<b>0</b>	<b>7</b>

### FALL SEMESTER 2

Prefix	No.	Title	Class	Lab	Clinical	Credit
AUT	116	Engine Repair	2	3	0	3
AUT	116A	Engine Repair Lab	0	3	0	1
AUT	183	Engine Performance 2	2	6	0	4
*ENG	110	Freshman Composition	3	0	0	3
or						
ENG	111	Writing and Inquiry	3	0	0	3
		Soc/Behav Science Elective	3	0	0	3
<b>TOTALS</b>			<b>10</b>	<b>12</b>	<b>0</b>	<b>14</b>

### SPRING SEMESTER 2

Prefix	No.	Title	Class	Lab	Clinical	Credit
AUT	221	Auto Transm/Transaxles	2	3	0	3
AUT	221A	Auto Transm/Transaxles Lab	0	3	0	1
AUT	231	Man Trans/Axles/Drtrains	2	3	0	3
AUT	231A	Man Trans/Axles/Drtrains Lab	0	3	0	1
COM	120	Intro Interpersonal Com	3	0	0	3
or						
COM	231	Public Speaking	3	0	0	3
		Natural Science Elective	3	2	0	4
<b>TOTALS</b>			<b>10</b>	<b>14</b>	<b>0</b>	<b>15</b>

**TOTAL REQUIRED CREDITS.....66**

**Work-Based Learning Option: NA**

**Note:** Students **may not** take an introductory foreign language to fulfill the Humanities/Fine Arts requirement.

**\*Note:** The acceptance of transfer credit is ultimately up to the receiving institution. Where choices are available it is best to contact the institution you plan to attend to maximize your selection. See your advisor for assistance in selecting courses. ENG-110 is not transferable.

Refer to the FTCC website for the most current information.  
Go to [www.faytechcc.edu](http://www.faytechcc.edu) and click on College Catalog.

