

# Automotive General Service Technician Transportation Technologies

## Certificate of Achievement

The automotive general service technician certificate of achievement trains individuals in basic automotive repair and maintenance. Graduates of the program will be well qualified for entry level automotive maintenance and parts store positions. Successful students complete the core areas of ASE training. All general service training may be applied toward other automotive certificate and degree programs.

### Certificate Outcomes

#### Students completing the certificate will:

- Identify and implement safety procedures involved in diagnosis, service, and repair of all major light vehicle components and systems.
- Analyze and interpret diagnostic and test information to formulate correct repair procedures.
- Demonstrate correct repair strategies and techniques by applying knowledge of system operation and demonstration of mechanical skills to accomplish repair tasks.

### General Education Requirements

<b>Communications</b>	<b>3 credits</b>
BUS 107 or COM 113	
<b>Human Relations</b>	<b>3 credits</b>
Strongly recommended: CE 201	
<b>Quantitative Reasoning</b>	<b>3 credits</b>
MATH 108 or higher	
<b>Total General Education Requirements</b>	<b>9 Credits</b>

### Core Requirements

AIT 110	General Industrial Safety.....	1
AUTO 101	General Auto .....	4
AUTO 111	Automotive Electricity.....	4
AUTO 112	Automotive Electricity II.....	4
AUTO 136	Engine Repair.....	5
AUTO 145	Automotive Brakes.....	5
AUTO 150	Steering and Suspension Systems .....	5
<b>Total Core Requirements</b>		<b>28 Credits</b>
<b>Total Certificate Requirements</b>		<b>37 Credits</b>

### Suggested Course Sequence

First Year	Course #	Title	Credits
<b>1st Semester–Summer</b>			
Core	AUTO 101	General Auto	4
			<b>Total 4</b>
<b>2nd Semester–Fall</b>			
Core	AIT 110	General Industrial Safety	1
Core	AUTO 111	Automotive Electricity	4
Core	AUTO 145	Automotive Brakes	5
Core	AUTO 150	Steering and Suspension Systems	5
Quantitative Reasoning	MATH 108	Math for Technicians	3
			<b>Total 18</b>
<b>3rd Semester–Spring</b>			
Core	AUTO 112	Automotive Electricity II	4
Core	AUTO 136	Engine Repair	5
Human Relations	CE 201	Workplace Readiness	3
Communications	ENG 107	Technical Communications I	3
			<b>Total 15</b>
			<b>Certificate Total 37</b>