

# Automotive ASE Technician Transportation Technologies

## Certificate of Achievement

The automotive ASE technician certificate of achievement is a program for individuals who would like to enter the automotive repair industry with the core skills established by the automotive service excellence certification. The successful student will become a qualified entry level technician with strong basic skills using the latest technology and repair equipment.

### 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>
<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
AUTO 225	Engine Performance I	4
AUTO 227	Engine Performance II	4
AUTO 265	Electrical/Electronic Systems III	4
<b>Total Core Requirements</b>		<b>40 Credits</b>
<b>Total Certificate Requirements</b>		<b>49 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
Core	AUTO 225	Engine Performance I	4
Human Relations	CE 201	Workplace Readiness	3
Communications	ENG 107	Technical Communications I	3
			<b>Total 19</b>
<b>Second Year 1st Semester–Fall</b>			
Core	AUTO 227	Engine Performance II	4
Core	AUTO 265	Electrical/Electronic Systems III	4
			<b>Total 8</b>
			<b>Certificate Total 49</b>

