



Automotive Technology

Associate of Applied Science Degree

Recommended basic skills standards are: AAA 109, CCR 092, MAT 050

The Automotive and Diesel Technology programs lead to an interesting and challenging career in the repair, service, sales, and supply fields. Two degrees are offered in this program: Automotive Technology and Automotive Technology with a Diesel emphasis. The Automotive Technology Degree has a specific focus on automotive service and repair. The Automotive Technology/Diesel emphasis focus is on light duty diesel powered vehicles. i.e.; automotive diesel and light trucks.

Students entering this program should exhibit the following qualities: mechanical aptitude, ability to read and follow detailed instructions, enjoy precision work and problem solving.

Students are required to provide appropriate work clothing, safety glasses, and a basic set of hand tools. (See automotive program advisors for specifics)

General Education Courses

<input type="checkbox"/> CIS 118	Introduction to PC Applications	3
<input type="checkbox"/> COM 225	Organizational Communication	3
<input type="checkbox"/> MAT 107	Career Math	3
AAS General Education Electives		<u>6</u>
		15

*Elective hours must meet general education requirements. See list of approved general education courses. Students must consult with advisors for selection of elective courses to enhance their employability.

Automotive Technology

<input type="checkbox"/> ASE 102	Introduction to the Automotive Shop	2
<input type="checkbox"/> ASE 110	Brakes I	2
<input type="checkbox"/> ASE 111	Automotive Brake Service II	2
<input type="checkbox"/> ASE 120	Basic Automotive Electricity	2
<input type="checkbox"/> ASE 123	Starting, & Charging System	2
<input type="checkbox"/> ASE 130	General Engine Diagnosis	2
<input type="checkbox"/> ASE 132	Ignition System Diagnosis & Repair	2
<input type="checkbox"/> ASE 134	Automotive Fuel & Emissions Systems	2
<input type="checkbox"/> ASE 140	Suspension & Steering I	2
<input type="checkbox"/> ASE 141	Suspension & Steering II	2
<input type="checkbox"/> ASE 150	Manual Drive Train & Axle Maintenance	2
<input type="checkbox"/> ASE 151	Automotive Manual Transmission/ Transaxles & Clutches	2
<input type="checkbox"/> ASE 152	Manual Transmission, Transaxles & Clutches II	2
<input type="checkbox"/> ASE 160	Automotive Engine Repair	2
<input type="checkbox"/> ASE 161	Engine, Repair & Rebuild	3
<input type="checkbox"/> ASE 210	Automotive Power & ABS Brake Systems	2
<input type="checkbox"/> ASE 221	Auto/Diesel Body Electrical	4
<input type="checkbox"/> ASE 231	Automotive Computers & Ignition Systems	2
<input type="checkbox"/> ASE 233	Fuel Injection & Exhaust Systems	4
<input type="checkbox"/> ASE 235	Driveability Diagnosis	2
<input type="checkbox"/> ASE 240	Suspension & Steering II	2
<input type="checkbox"/> ASE 250	Automatic Transmission/Transaxle Service	1
<input type="checkbox"/> ASE 265	Heating, Air Conditioning & Refrigeration Technology	<u>4</u>
		52

Total Hours for Automotive Technology Degree Emphasis 67

Automotive Technology/Diesel

<input type="checkbox"/> ASE 110	Brakes I	2
<input type="checkbox"/> ASE 120	Basic Automotive Electricity	2
<input type="checkbox"/> ASE 123	Starting, & Charging System	2
<input type="checkbox"/> ASE 132	Ignition System Diagnosis & Repair	2
<input type="checkbox"/> ASE 140	Suspension & Steering I	2
<input type="checkbox"/> ASE 151	Automotive Manual Transmission/ Transaxles & Clutches	2
<input type="checkbox"/> ASE 161	Engine, Repair & Rebuild	3
<input type="checkbox"/> ASE 210	Automotive Power & ABS Brake Systems	2
<input type="checkbox"/> ASE 231	Automotive Computers & Ignition Systems	1
<input type="checkbox"/> ASE 233	Fuel Injection & Exhaust Systems	4
<input type="checkbox"/> ASE 240	Suspension & Steering II	2
<input type="checkbox"/> ASE 265	Heating, Air Conditioning Systems	4
<input type="checkbox"/> DPM 100	Introduction to Diesel Mechanics	2
<input type="checkbox"/> DPM 101	Diesel Shop Orientation	2
<input type="checkbox"/> DPM 103	Diesel Engines I	4
<input type="checkbox"/> DPM 106	Fuel Injection	3
<input type="checkbox"/> DPM 203	Diesel Engines II	4
<input type="checkbox"/> DPM 206	Heavy Duty Brake Systems I	3
<input type="checkbox"/> DPM 207	Heavy Duty Brake Systems II	3
<input type="checkbox"/> DPM 210	Air Induction & Engine Analysis	2
<input type="checkbox"/> DPM 222	H/D Lighting & Instrumentation	<u>3</u>
		55

Total Hours for Automotive Technology/
Diesel Degree Emphasis 70

Certificates listed on next page



Pikes Peak Community College

Division of Communications, Humanities & Technical Studies 502-3200

Certificates

Air Conditioning & Heating

<input type="checkbox"/> ASE 102	Introduction to the Automotive Shop	2
<input type="checkbox"/> ASE 120	Basic Automotive Electricity	2
<input type="checkbox"/> ASE 123	Starting, & Charging System	2
<input type="checkbox"/> ASE 265	Heating, Air Conditioning & Refrigeration Technology	<u>4</u>
Total Credit Hours		10

Automatic Transmissions

<input type="checkbox"/> ASE 102	Introduction to the Automotive Shop	2
<input type="checkbox"/> ASE 120	Basic Automotive Electricity	2
<input type="checkbox"/> ASE 123	Starting, & Charging System	2
<input type="checkbox"/> ASE 250	Automatic Transmission/Transaxle Service	1
<input type="checkbox"/> ASE 151	Automotive Transmission & Transaxle Repair	<u>3</u>
Total Credit Hours		10

Automotive Brakes

<input type="checkbox"/> ASE 102	Introduction to the Automotive Shop	2
<input type="checkbox"/> ASE 110	Brakes I	2
<input type="checkbox"/> ASE 111	Automotive Brake Service II	2
<input type="checkbox"/> ASE 120	Basic Automotive Electricity	2
<input type="checkbox"/> ASE 123	Starting, & Charging System	2
<input type="checkbox"/> ASE 210	Automotive Power & ABS Brake Systems	<u>2</u>
Total Credit Hours		12

Automotive Electricity

<input type="checkbox"/> ASE 102	Introduction to the Automotive Shop	2
<input type="checkbox"/> ASE 120	Basic Automotive Electricity	2
<input type="checkbox"/> ASE 123	Starting, & Charging System	2
<input type="checkbox"/> ASE 220	Specialized Electronics Training	2
<input type="checkbox"/> ASE 221	Auto/Diesel Body Electrical	4
<input type="checkbox"/> ASE 231	Automotive Computers & Ignition Systems	<u>2</u>
Total Credit Hours		14

Automotive Parts

<input type="checkbox"/> ASE 102	Introduction to the Automotive Shop	2
<input type="checkbox"/> ASE 110	Brakes I	2
<input type="checkbox"/> ASE 120	Basic Automotive Electricity	2
<input type="checkbox"/> ASE 123	Starting, & Charging System	2
<input type="checkbox"/> ASE 132	Ignition System Diagnosis & Repair	2
<input type="checkbox"/> ASE 134	Automotive Fuel & Emissions Systems	2
<input type="checkbox"/> ASE 140	Suspension & Steering I	2
<input type="checkbox"/> ASE 150	Manual Drive Train & Axle Maintenance	2
<input type="checkbox"/> ASE 151	Automotive Transmission & Transaxle Repair	2
<input type="checkbox"/> ASE 152	Manual Transmission, Transaxles & Clutches II	2
<input type="checkbox"/> ASE 160	Automotive Engine Repair	2
<input type="checkbox"/> ASE 161	Engine, Repair & Rebuild	3
<input type="checkbox"/> ASE 201	Parts Management	1
<input type="checkbox"/> ASE 210	Automotive Power & ABS Brake Systems	2
<input type="checkbox"/> ASE 221	Auto/Diesel Body Electrical	4
<input type="checkbox"/> ASE 231	Automotive Computers & Ignition Systems	2
<input type="checkbox"/> ASE 233	Fuel Injection & Exhaust Systems	4
<input type="checkbox"/> ASE 240	Suspension & Steering II	2
<input type="checkbox"/> ASE 265	Heating, Air Conditioning Systems	<u>4</u>
Total Credit Hours		44

Automotive Technology

<input type="checkbox"/> ASE 102	Introduction to the Automotive Shop	2
<input type="checkbox"/> ASE 110	Brakes I	2
<input type="checkbox"/> ASE 120	Basic Automotive Electricity	2
<input type="checkbox"/> ASE 123	Starting, & Charging System	2
<input type="checkbox"/> ASE 132	Ignition System Diagnosis & Repair	2
<input type="checkbox"/> ASE 134	Automotive Fuel & Emissions Systems	2
<input type="checkbox"/> ASE 140	Suspension & Steering I	2
<input type="checkbox"/> ASE 150	Manual Drive Train & Axle Maintenance	2
<input type="checkbox"/> ASE 151	Automotive Manual Transmission/Transaxles & Clutches	2
<input type="checkbox"/> ASE 152	Manual Transmission, Transaxles & Clutches II	2
<input type="checkbox"/> ASE 160	Automotive Engine Repair	2
<input type="checkbox"/> ASE 161	Engine, Repair & Rebuild	3
<input type="checkbox"/> ASE 210	Automotive Power & ABS Brake Systems	2
<input type="checkbox"/> ASE 220	Specialized Electronics Training	2
<input type="checkbox"/> ASE 221	Auto/Diesel Body Electrical	4
<input type="checkbox"/> ASE 231	Automotive Computers & Ignition Systems	2
<input type="checkbox"/> ASE 233	Fuel Injection & Exhaust Systems	4
<input type="checkbox"/> ASE 240	Suspension & Steering II	2
<input type="checkbox"/> ASE 265	Heating, Air Conditioning Systems	<u>4</u>
Total Credit Hours		45

Engine Performance

<input type="checkbox"/> ASE 102	Introduction to the Automotive Shop	2
<input type="checkbox"/> ASE 120	Basic Automotive Electricity	2
<input type="checkbox"/> ASE 123	Starting, & Charging System	2
<input type="checkbox"/> ASE 130	General Engine Diagnosis	2
<input type="checkbox"/> ASE 132	Ignition System Diagnosis & Repair	2
<input type="checkbox"/> ASE 134	Automotive Fuel & Emissions Systems	2
<input type="checkbox"/> ASE 160	Automotive Engine Repair	2
<input type="checkbox"/> ASE 161	Engine, Repair & Rebuild	3
<input type="checkbox"/> ASE 220	Specialized Electronics Training	2
<input type="checkbox"/> ASE 221	Auto/Diesel Body Electrical	4
<input type="checkbox"/> ASE 231	Automotive Computers & Ignition Systems	2
<input type="checkbox"/> ASE 233	Fuel Injection & Exhaust Systems	4
<input type="checkbox"/> ASE 235	Driveability Diagnosis	<u>1</u>
Total Credit Hours		31

Gasoline Engine Repair

<input type="checkbox"/> ASE 102	Introduction to the Automotive Shop	2
<input type="checkbox"/> ASE 120	Basic Automotive Electricity	2
<input type="checkbox"/> ASE 123	Starting, & Charging System	2
<input type="checkbox"/> ASE 160	Automotive Engine Repair	2
<input type="checkbox"/> ASE 161	Engine, Repair & Rebuild	<u>3</u>
Total Credit Hours		11

Manual Drivetrain

<input type="checkbox"/> ASE 102	Introduction to the Automotive Shop	2
<input type="checkbox"/> ASE 120	Basic Automotive Electricity	2
<input type="checkbox"/> ASE 123	Starting, & Charging System	2
<input type="checkbox"/> ASE 150	Manual Drive Train & Axle Maintenance	2
<input type="checkbox"/> ASE 151	Automotive Manual Transmission/Transaxles & Clutches	2
<input type="checkbox"/> ASE 152	Manual Transmission, Transaxles & Clutches II	<u>2</u>
Total Credit Hours		12

Suspension and Steering

<input type="checkbox"/> ASE 102	Introduction to the Automotive Shop	2
<input type="checkbox"/> ASE 120	Basic Automotive Electricity	2
<input type="checkbox"/> ASE 123	Starting, & Charging System	2
<input type="checkbox"/> ASE 140	Suspension & Steering I	2
<input type="checkbox"/> ASE 240	Suspension & Steering II	<u>2</u>
Total Credit Hours		10