

**Enrollment Fees**

- All AUT prefix courses up to AUT 260 Diesel Performance II have a \$15 course fee

**PROGRAM ENTRANCE REQUIREMENTS**

**Academic Entrance Requirements**

- Required:
  - Students must complete the following five courses prior to proceeding into other AUT courses: AUT 101 Basic Electricity-Automotive, AUT 106 Automotive Program Orientation, AUT 107 Mechanical Systems I, AUT 110 Small Gas Engines and AUT 115 College Success for Auto Tech.
- Recommended:
  - High school diploma or GED

**PROGRAM PERFORMANCE STANDARDS**

**Academic Requirements**

- Students must have a 2.0 cumulative GPA to earn a COCC certificate or degree.
- All courses in the program must be completed with a grade of C or higher.

**PROGRAM COURSE REQUIREMENTS**

**Required Courses**

AUT 101	Basic Electricity-Automotive	2
AUT 102	Automotive Electric I	5
AUT 106	Automotive Program Orientation	1
AUT 107	Mechanical Systems I	3
AUT 110	Small Gas Engines	3
AUT 115	College Success for Auto Tech	2
<b>Total Credits</b>		<b>16</b>

**Automotive Electrical Technician (Advanced)**

Short Term Certificate of Completion

**PROGRAM DESCRIPTION**

Preparation in the electrical technician coursework establishes skill in voltage drops, electrical troubleshooting, vehicle ignition systems, logic controls, air bag systems, Controller Area Network, and cruise control. This coursework prepares students for ASE certification in (A6) Electrical/Electronic Systems, (A8) Engine Performance, and (G1) Maintenance and Light Repair.

**PROGRAM COSTS**

(beyond standard tuition/fees and textbooks)

**Material Costs**

- Materials (coveralls, safety glasses, work jacket, safety shoes, t-shirts): \$200
- ASE (Automotive Service Excellence) Certification – up to \$450 total for all eight areas of testing
- Cost of tools: \$1,500 to \$2,500 depending on the source

**Enrollment Fees**

- All AUT prefix courses up to AUT 260 Diesel Performance II have a \$15 course fee

**PROGRAM ENTRANCE REQUIREMENTS**

**Academic Entrance Requirements**

- Required:
  - Students must complete the following five courses prior to proceeding into other AUT courses: AUT 101 Basic Electricity-Automotive, AUT 106 Automotive Program Orientation, AUT 107 Mechanical Systems I, AUT 110 Small Gas Engines and AUT 115 College Success for Auto Tech.
- Recommended:
  - High school diploma or GED

**Automotive Electrical Technician (Basic)**  
Short Term Certificate of Completion

**PROGRAM DESCRIPTION**

Preparation in the electrical technician coursework establishes skill in charging systems, starting systems, voltage drops, electrical troubleshooting, lighting, gauges, accessories, battery load testing, and repairs. This coursework prepares students for the ASE certification in (A6) Electrical/Electronic Systems and (G1) Maintenance and Light Repair.

**PROGRAM COSTS**

(beyond standard tuition/fees and textbooks)

**Material Costs**

- Materials (coveralls, safety glasses, work jacket, safety shoes, t-shirts): \$200
- ASE (Automotive Service Excellence) Certification – up to \$450 total for all eight areas of testing
- Cost of tools: \$1,500 to \$2,500 depending on the source

**PROGRAM PERFORMANCE STANDARDS**

**Academic Requirements**

- Students must have a 2.0 cumulative GPA to earn a COCC certificate or degree.
- All courses in the program must be completed with a grade of C or higher.

**PROGRAM COURSE REQUIREMENTS**

**Core Courses**

AUT 101	Basic Electricity-Automotive	2
AUT 102	Automotive Electric I	5
AUT 103	Automotive Electric II	2
AUT 104	Automotive Electric III	2
AUT 106	Automotive Program Orientation	1
AUT 107	Mechanical Systems I	3
AUT 110	Small Gas Engines	3
AUT 115	College Success for Auto Tech	2

**Total Credits 20**

## Automotive Engine Performance Technician

### Short Term Certificate of Completion

**PROGRAM DESCRIPTION**

The Automotive Engine Performance Technician short term certificate trains students to be the key troubleshooter in figuring out a vehicle’s drivability problems. Students learn to identify everything from powertrain malfunctions to ignition failures and other engine-related problems using state-of-the-art computer diagnostic equipment, as well as the best way to repair a vehicle. This coursework applies toward ASE certification in (A6) Automotive Electrical/Electronic Systems (A8) Automotive Engine Performance, and the (L1) Advanced Engine Performance Specialist.

**PROGRAM COSTS**

(beyond standard tuition/fees and textbooks)

**Material Costs**

- Materials (coveralls, safety glasses, work jacket, safety shoes, t-shirts): \$200
- ASE (Automotive Service Excellence) Certification – up to \$450 total for all eight areas of testing
- Cost of tools: \$1,500 to \$2,500 depending on the source

**Enrollment Fees**

- All AUT prefix courses up to AUT 260 Diesel Performance II have a \$15 course fee

**PROGRAM ENTRANCE REQUIREMENTS**

**Academic Entrance Requirements**

- Required:
  - Students must complete the following five courses prior to proceeding into other AUT courses: AUT 101 Basic Electricity-Automotive, AUT 106 Automotive Program Orientation, AUT 107 Mechanical Systems I, AUT 110 Small Gas Engines and AUT 115 College Success for Auto Tech.
- Recommended:
  - High school diploma or GED

**PROGRAM PERFORMANCE STANDARDS**

**Academic Requirements**

- Students must have a 2.0 cumulative GPA to earn a COCC certificate or degree.
- All courses in the program must be completed with a grade of C or higher.

**PROGRAM COURSE REQUIREMENTS**

**Core Courses**

AUT 101	Basic Electricity-Automotive	2
AUT 102	Automotive Electric I	5

AUT 103	Automotive Electric II	2
AUT 105	Diesel Performance I	2
AUT 106	Automotive Program Orientation	1
AUT 107	Mechanical Systems I	3
AUT 110	Small Gas Engines	3
AUT 111	Computerized Engine Controls	5
AUT 115	College Success for Auto Tech	2
AUT 205	Engine Performance I	2
AUT 206	Engine Performance II	2

**Total Credits 29**

## Automotive Basic Skills with Basic Engine Performance

### Short Term Certificate of Completion

**PROGRAM DESCRIPTION**

The Automotive Basic Skills with Basic Engine Performance short term certificate is designed to capture a range of skills that are required for the automotive industry, including basic internal combustion engines and theory, basic DC electrical and schematic understanding, and vehicle inspection. The largest portion addresses shop and vehicle safety. This coursework prepares students for the ASE certification in (G1) Maintenance and Light Repair.

The Automotive Basic Skills with Basic Engine Performance short term certificate also introduces the operation, diagnoses and repair of the carburetion system and the points ignition system. Green statement: As with all engine performance related subjects, fuel delivery in carburetors affects air quality. This class introduces the student to the skill of reducing hydrocarbon and carbon dioxide emissions.

**PROGRAM COSTS**

(beyond standard tuition/fees and textbooks)

**Material Costs**

- Materials (coveralls, safety glasses, work jacket, safety shoes, t-shirts): \$200
- ASE (Automotive Service Excellence) Certification – up to \$450 total for all eight areas of testing
- Cost of tools: \$1,500 to \$2,500 depending on the source

**Enrollment Fees**

- All AUT prefix courses up to AUT 260 Diesel Performance II have a \$15 course fee

**PROGRAM ENTRANCE REQUIREMENTS**

**Academic Entrance Requirements**

- Required:
  - Students must complete the following five courses prior to proceeding into other AUT courses: AUT 101 Basic Electricity-Automotive, AUT 106 Automotive Program Orientation, AUT 107 Mechanical Systems I, AUT 110 Small Gas Engines and AUT 115 College Success for Auto Tech.
- Recommended:
  - High school diploma or GED

**PROGRAM PERFORMANCE STANDARDS**

**Academic Requirements**

- Students must have a 2.0 cumulative GPA to earn a COCC certificate or degree.
- All courses in the program must be completed with a grade of C or higher.

**PROGRAM COURSE REQUIREMENTS**

**Core Courses**

AUT 101	Basic Electricity-Automotive	2
AUT 106	Automotive Program Orientation	1
AUT 107	Mechanical Systems I	3
AUT 110	Small Gas Engines	3

AUT 112	Basic Engine Performance I	1
AUT 113	Basic Engine Performance II	1
AUT 115	College Success for Auto Tech	2
<b>Total Credits</b>		<b>13</b>

## Automotive Basic Skills with Welding

### Short Term Certificate of Completion

#### PROGRAM DESCRIPTION

The Automotive Basic Skills with Welding short term certificate is designed to capture a range of skills that are required for the automotive industry, including basic internal combustion engines and theory, basic DC electrical and schematic understanding, and vehicle inspection. The largest portion addresses shop and vehicle safety. This coursework prepares students for the ASE certification in (G1) Maintenance and Light Repair.

#### PROGRAM COSTS

(beyond standard tuition/fees and textbooks)

##### Material Costs

- Materials (coveralls, safety glasses, work jacket, safety shoes, t-shirts): \$200
- ASE (Automotive Service Excellence) Certification – up to \$450 total for all eight areas of testing
- Cost of tools: \$1,500 to \$2,500 depending on the source

##### Enrollment Fees

- All AUT prefix courses up to AUT 260 Diesel Performance II have a \$15 course fee

#### PROGRAM ENTRANCE REQUIREMENTS

##### Academic Entrance Requirements

- Required:
  - Students must complete the following five courses prior to proceeding into other AUT courses: AUT 101 Basic Electricity-Automotive, AUT 106 Automotive Program Orientation, AUT 107 Mechanical Systems I, AUT 110 Small Gas Engines and AUT 115 College Success for Auto Tech.
- Recommended:
  - High school diploma or GED

#### PROGRAM PERFORMANCE STANDARDS

##### Academic Requirements

- Students must have a 2.0 cumulative GPA to earn a COCC certificate or degree.
- All courses in the program must be completed with a grade of C or higher.

#### PROGRAM COURSE REQUIREMENTS

##### Core Courses

AUT 101	Basic Electricity-Automotive	2
AUT 106	Automotive Program Orientation	1
AUT 107	Mechanical Systems I	3
AUT 110	Small Gas Engines	3
AUT 114	Welding for the Auto Trade	3
AUT 115	College Success for Auto Tech	2
<b>Total Credits</b>		<b>14</b>

systems. Students learn to identify everything on powertrain malfunctions using the most current computer diagnostic equipment. The Automotive Clean Energy Diesel Technician (Advanced) short term certificate also trains students on the operational principles and theory of Hydraulically actuated Electronically controlled Unit Injection (HEUI) systems, the Electronic Unit Injection (EUI) systems, and the Common Rail (CR) systems. This coursework applies toward ASE certification in (A6) Automotive Electrical/Electronic Systems and (A9) Diesel Engine Performance.

#### PROGRAM COSTS

(beyond standard tuition/fees and textbooks)

##### Material Costs

- Materials (coveralls, safety glasses, work jacket, safety shoes, t-shirts): \$200
- ASE (Automotive Service Excellence) Certification – up to \$450 total for all eight areas of testing
- Cost of tools: \$1,500 to \$2,500 depending on the source

##### Enrollment Fees

- All AUT prefix courses up to AUT 260 Diesel Performance II have a \$15 course fee
- All advanced AUT courses (AUT 260 Diesel Performance II and above) have a \$200 course fee

#### PROGRAM ENTRANCE REQUIREMENTS

##### Academic Entrance Requirements

- Required:
  - Students must complete the following five courses prior to proceeding into other AUT courses: AUT 101 Basic Electricity-Automotive, AUT 106 Automotive Program Orientation, AUT 107 Mechanical Systems I, AUT 110 Small Gas Engines and AUT 115 College Success for Auto Tech.
- Recommended:
  - High school diploma or GED

#### PROGRAM PERFORMANCE STANDARDS

##### Academic Requirements

- Students must have a 2.0 cumulative GPA to earn a COCC certificate or degree.
- All courses in the program must be completed with a grade of C or higher.

#### PROGRAM COURSE REQUIREMENTS

##### Core Courses

AUT 101	Basic Electricity-Automotive	2
AUT 102	Automotive Electric I	5
AUT 103	Automotive Electric II	2
AUT 104	Automotive Electric III	2
AUT 105	Diesel Performance I	2
AUT 106	Automotive Program Orientation	1
AUT 107	Mechanical Systems I	3
AUT 110	Small Gas Engines	3
AUT 115	College Success for Auto Tech	2
AUT 111	Computerized Engine Controls	5
AUT 205	Engine Performance I	2
AUT 206	Engine Performance II	2
AUT 260	Diesel Performance II	4
<b>Total Credits</b>		<b>35</b>

## Clean Energy Diesel Technician (Advanced)

### Short Term Certificate of Completion

#### PROGRAM DESCRIPTION

The Automotive Clean Energy Diesel Technician (Advanced) short term certificate trains students to be the key troubleshooter in figuring out a vehicle's drivability problems on the most current light duty diesel

## Automotive Controller Systems Technician Level I

### Short Term Certificate of Completion

#### PROGRAM DESCRIPTION

The Automotive Controller Systems Technician Level I short term certificate trains students to be the key troubleshooter in figuring out a vehicle's drivability problems. Students learn to identify everything from

powertrain malfunctions to ignition failures and other engine-related problems using state-of-the-art computer diagnostic equipment, as well as the best way to fix the problem for the client. Students will be well prepared to work with multiple vehicle platforms to reprogram vehicle computer systems for safety and vehicle function. Students will become competent working with logic circuits and Controller Area Network. This coursework applies toward ASE certification in (A6) Automotive Electrical/Electronic Systems and (A8) Automotive Engine Performance.

**PROGRAM COSTS**

(beyond standard tuition/fees and textbooks)

**Material Costs**

- Materials (coveralls, safety glasses, work jacket, safety shoes, t-shirts): \$200
- ASE (Automotive Service Excellence) Certification – up to \$450 total for all eight areas of testing
- Cost of tools: \$1,500 to \$2,500 depending on the source

**Enrollment Fees**

- All AUT prefix courses up to AUT 260 Diesel Performance II have a \$15 course fee
- All advanced AUT courses (AUT 260 Diesel Performance II and above) have a \$200 course fee

**PROGRAM ENTRANCE REQUIREMENTS**

**Academic Entrance Requirements**

- Required:
  - Students must complete the following five courses prior to proceeding into other AUT courses: AUT 101 Basic Electricity-Automotive, AUT 106 Automotive Program Orientation, AUT 107 Mechanical Systems I, AUT 110 Small Gas Engines and AUT 115 College Success for Auto Tech.
- Recommended:
  - High school diploma or GED

**PROGRAM PERFORMANCE STANDARDS**

**Academic Requirements**

- Students must have a 2.0 cumulative GPA to earn a COCC certificate or degree.
- All courses in the program must be completed with a grade of C or higher.

**PROGRAM COURSE REQUIREMENTS**

**Core Courses**

AUT 101	Basic Electricity-Automotive	2
AUT 102	Automotive Electric I	5
AUT 103	Automotive Electric II	2
AUT 104	Automotive Electric III	2
AUT 105	Diesel Performance I	2
AUT 106	Automotive Program Orientation	1
AUT 107	Mechanical Systems I	3
AUT 110	Small Gas Engines	3
AUT 111	Computerized Engine Controls	5
AUT 115	College Success for Auto Tech	2
AUT 205	Engine Performance I	2
AUT 206	Engine Performance II	2
AUT 270	Auto Controller Systems I	4

**Total Credits 35**

**Automotive Controller Systems Technician Level 2**  
Short Term Certificate of Completion

**PROGRAM DESCRIPTION**

The Automotive Controller Systems Technician Level 2 trains students to be the key troubleshooter in figuring out a vehicle’s drivability problems. Students learn to identify everything from powertrain malfunctions to ignition failures and other engine-related problems using state-of-the-art

computer diagnostic equipment. This coursework applies toward ASE certification in (A6) Automotive Electrical/Electronic Systems, (A8) Automotive Engine Performance, and the (L1) Advanced Engine Performance Specialist.

The Automotive Controller Systems Technician Level 2 also trains students in testing volumetric efficiency, performance as it relates to program modification, dynamometer operation and safety, and reprogramming for performance.

**PROGRAM COSTS**

(beyond standard tuition/fees and textbooks)

**Material Costs**

- Materials (coveralls, safety glasses, work jacket, safety shoes, t-shirts): \$200
- ASE (Automotive Service Excellence) Certification – up to \$450 total for all eight areas of testing
- Cost of tools: \$1,500 to \$2,500 depending on the source

**Enrollment Fees**

- All AUT prefix courses up to AUT 260 Diesel Performance II have a \$15 course fee
- All advanced AUT courses (AUT 260 Diesel Performance II and above) have a \$200 course fee

**PROGRAM ENTRANCE REQUIREMENTS**

**Academic Entrance Requirements**

- Required:
  - Students must complete the following five courses prior to proceeding into other AUT courses: AUT 101 Basic Electricity-Automotive, AUT 106 Automotive Program Orientation, AUT 107 Mechanical Systems I, AUT 110 Small Gas Engines and AUT 115 College Success for Auto Tech.
- Recommended:
  - High school diploma or GED

**PROGRAM PERFORMANCE STANDARDS**

**Academic Requirements**

- Students must have a 2.0 cumulative GPA to earn a COCC certificate or degree.
- All courses in the program must be completed with a grade of C or higher.

**PROGRAM COURSE REQUIREMENTS**

**Core Courses**

AUT 101	Basic Electricity-Automotive	2
AUT 102	Automotive Electric I	5
AUT 103	Automotive Electric II	2
AUT 104	Automotive Electric III	2
AUT 105	Diesel Performance I	2
AUT 106	Automotive Program Orientation	1
AUT 107	Mechanical Systems I	3
AUT 110	Small Gas Engines	3
AUT 111	Computerized Engine Controls	5
AUT 115	College Success for Auto Tech	2
AUT 205	Engine Performance I	2
AUT 206	Engine Performance II	2
AUT 270	Auto Controller Systems I	4
AUT 271	Auto Controller Systems II	4

**Total Credits 39**

**Automotive Drive Train Technician**  
Short Term Certificate of Completion

**PROGRAM DESCRIPTION**

Preparation to work with vehicle drivelines, transaxles, clutches, differentials and transmissions.

The Automotive Drive-Train Technician short term certificate prepares students on all elements of manual and automatic transmissions, as well

as basic hydraulic and electrical principles. The automotive drive-train courses apply toward ASE certification in (A2) Automotive Automatic Transmission, (A3) Automotive Manual Drive Trains and Axles, and (G1) Maintenance and Light Repair.

**PROGRAM COSTS**

(beyond standard tuition/fees and textbooks)

**Material Costs**

- Materials (coveralls, safety glasses, work jacket, safety shoes, t-shirts): \$200
- ASE (Automotive Service Excellence) Certification – up to \$450 total for all eight areas of testing
- Cost of tools: \$1,500 to \$2,500 depending on the source

**Enrollment Fees**

- All AUT prefix courses up to AUT 260 Diesel Performance II have a \$15 course fee

**PROGRAM ENTRANCE REQUIREMENTS**

**Academic Entrance Requirements**

- Required:
  - Students must complete the following five courses prior to proceeding into other AUT courses: AUT 101 Basic Electricity-Automotive, AUT 106 Automotive Program Orientation, AUT 107 Mechanical Systems I, AUT 110 Small Gas Engines and AUT 115 College Success for Auto Tech.
- Recommended:
  - High school diploma or GED

**PROGRAM PERFORMANCE STANDARDS**

**Academic Requirements**

- Students must have a 2.0 cumulative GPA to earn a COCC certificate or degree.
- All courses in the program must be completed with a grade of C or higher.

**PROGRAM COURSE REQUIREMENTS**

**Core Courses**

AUT 101	Basic Electricity-Automotive	2
AUT 106	Automotive Program Orientation	1
AUT 107	Mechanical Systems I	3
AUT 110	Small Gas Engines	3
AUT 115	College Success for Auto Tech	2
AUT 202	Manual Drive Trains I	3
AUT 203	Manual Drive Trains II	3
AUT 251	Automatic Transmissions I	3
AUT 256	Automatic Transmissions II	2
<b>Total Credits</b>		<b>22</b>

**Automotive Engine Technician**  
Short Term Certificate of Completion

**PROGRAM DESCRIPTION**

Preparation and study of an automotive engine rebuilding process. Included is the study of diesel engine systems. This coursework applies toward ASE certification in (A1) Automotive Engine Repair, (A9) Light Vehicle Diesel Engines, and (G1) Maintenance and Light Repair.

**PROGRAM COSTS**

(beyond standard tuition/fees and textbooks)

**Material Costs**

- Materials (coveralls, safety glasses, work jacket, safety shoes, t-shirts): \$200
- ASE (Automotive Service Excellence) Certification – up to \$450 total for all eight areas of testing
- Cost of tools: \$1,500 to \$2,500 depending on the source

**Enrollment Fees**

- All AUT prefix courses up to AUT 260 Diesel Performance II have a \$15 course fee

**PROGRAM ENTRANCE REQUIREMENTS**

**Academic Entrance Requirements**

- Required:
  - Students must complete the following five courses prior to proceeding into other AUT courses: AUT 101 Basic Electricity-Automotive, AUT 106 Automotive Program Orientation, AUT 107 Mechanical Systems I, AUT 110 Small Gas Engines and AUT 115 College Success for Auto Tech.
- Recommended:
  - High school diploma or GED

**PROGRAM PERFORMANCE STANDARDS**

**Academic Requirements**

- Students must have a 2.0 cumulative GPA to earn a COCC certificate or degree.
- All courses in the program must be completed with a grade of C or higher.

**PROGRAM COURSE REQUIREMENTS**

**Core Courses**

AUT 101	Basic Electricity-Automotive	2
AUT 105	Diesel Performance I	2
AUT 106	Automotive Program Orientation	1
AUT 107	Mechanical Systems I	3
AUT 110	Small Gas Engines	3
AUT 115	College Success for Auto Tech	2
AUT 201	Automotive Engines	4
<b>Total Credits</b>		<b>17</b>

**Automotive Heating & Air Conditioning Technician**  
Short Term Certificate of Completion

**PROGRAM DESCRIPTION**

The Automotive Heating and Air Conditioning short term certificate gives students a hands-on opportunity to learn about automotive air conditioning and heating systems, EPA Recovery Requirements for R-12, R-134a, and R1234yf systems, and general diagnosis and service. Courses in this option apply toward ASE certification in (A7) Automotive Heating and Air Conditioning, (A6) Electrical/Electronic Systems and (G1) Maintenance and Light Repair.

**PROGRAM COSTS**

(beyond standard tuition/fees and textbooks)

**Material Costs**

- Materials (coveralls, safety glasses, work jacket, safety shoes, t-shirts): \$200
- ASE (Automotive Service Excellence) Certification – up to \$450 total for all eight areas of testing
- Cost of tools: \$1,500 to \$2,500 depending on the source

**Enrollment Fees**

- All AUT prefix courses up to AUT 260 Diesel Performance II have a \$15 course fee

**PROGRAM ENTRANCE REQUIREMENTS**

**Academic Entrance Requirements**

- Required:
  - Students must complete the following five courses prior to proceeding into other AUT courses: AUT 101 Basic Electricity-Automotive, AUT 106 Automotive Program Orientation, AUT 107 Mechanical Systems I, AUT 110 Small Gas Engines and AUT 115 College Success for Auto Tech.
- Recommended:
  - High school diploma or GED

**PROGRAM PERFORMANCE STANDARDS**

**Academic Requirements**

- Students must have a 2.0 cumulative GPA to earn a COCC certificate or degree.
- All courses in the program must be completed with a grade of C or higher.

**PROGRAM COURSE REQUIREMENTS**

**Core Courses**

AUT 101	Basic Electricity-Automotive	2
AUT 102	Automotive Electric I	5
AUT 106	Automotive Program Orientation	1
AUT 107	Mechanical Systems I	3
AUT 110	Small Gas Engines	3
AUT 115	College Success for Auto Tech	2
AUT 253	Automotive Air Conditioning	3
<b>Total Credits</b>		<b>19</b>

**Automotive Hybrid Electric Vehicles Technician - Level 1**  
Short Term Certificate of Completion

**PROGRAM DESCRIPTION**

The Automotive Hybrid Electric Vehicles Technician – Level 1 short term certificate trains students to be the key troubleshooter in figuring out a vehicle’s drivability problems. Students learn to identify everything from powertrain malfunctions to ignition failures and other engine-related problems using state-of-the-art computer diagnostic equipment, as well as the best way to fix the problem for the client. Students will be introduced to hybrid (HEV) and electric (EV) vehicles to study and apply skills on diagnosing systems on an array of vehicles with electric drive systems. This coursework applies toward ASE certification in (A6) Automotive Electrical/Electronic Systems and (L3) Light Duty Hybrid / Electric Vehicle Specialist.

**PROGRAM COSTS**

(beyond standard tuition/fees and textbooks)

**Material Costs**

- Materials (coveralls, safety glasses, work jacket, safety shoes, t-shirts): \$200
- ASE (Automotive Service Excellence) Certification – up to \$450 total for all eight areas of testing
- Cost of tools: \$1,500 to \$2,500 depending on the source

**Enrollment Fees**

- All AUT prefix courses up to AUT 260 Diesel Performance II have a \$15 course fee
- All advanced AUT courses (AUT 260 Diesel Performance II and above) have a \$200 course fee

**PROGRAM ENTRANCE REQUIREMENTS**

**Academic Entrance Requirements**

- Required:
  - Students must complete the following five courses prior to proceeding into other AUT courses: AUT 101 Basic Electricity-Automotive, AUT 106 Automotive Program Orientation, AUT 107 Mechanical Systems I, AUT 110 Small Gas Engines, and AUT 115 College Success for Auto Tech.
- Recommended:
  - High school diploma or GED

**PROGRAM PERFORMANCE STANDARDS**

**Academic Requirements**

- Students must have a 2.0 cumulative GPA to earn a COCC certificate or degree.
- All courses in the program must be completed with a grade of C or higher.

**PROGRAM COURSE REQUIREMENTS**

**Core Courses**

AUT 101	Basic Electricity-Automotive	2
AUT 102	Automotive Electric I	5
AUT 103	Automotive Electric II	2
AUT 104	Automotive Electric III	2
AUT 105	Diesel Performance I	2
AUT 106	Automotive Program Orientation	1
AUT 107	Mechanical Systems I	3
AUT 110	Small Gas Engines	3
AUT 111	Computerized Engine Controls	5
AUT 115	College Success for Auto Tech	2
AUT 205	Engine Performance I	2
AUT 206	Engine Performance II	2
AUT 280	Hybrid Electric Vehicles I	4
<b>Total Credits</b>		<b>35</b>

**Automotive Hybrid Electric Vehicles Technician - Level 2**  
Short Term Certificate of Completion

**PROGRAM DESCRIPTION**

The Automotive Hybrid Electric Vehicles Technician – Level 2 short term certificate is a continuation on the Automotive Hybrid Electric Vehicles Technician – Level 1 short term certificate. Students will become well prepared to analyze and repair electric drive vehicles as it applies to the state-of-health and predictive maintenance on vehicles with electric drive systems. Students will be able to experience extensive time with analysis of vehicles with electric drive systems. Emphasis will be placed on high voltage battery systems and inverter diagnosis. This coursework applies toward ASE certification in (A6) Automotive Electrical/Electronic Systems and (L3) Light Duty Hybrid/Electric Vehicle Specialist.

**PROGRAM COSTS**

(beyond standard tuition/fees and textbooks)

**Material Costs**

- Materials (coveralls, safety glasses, work jacket, safety shoes, t-shirts): \$200
- ASE (Automotive Service Excellence) Certification – up to \$450 total for all eight areas of testing
- Cost of tools: \$1,500 to \$2,500 depending on the source

**Enrollment Fees**

- All AUT prefix courses up to AUT 260 Diesel Performance II have a \$15 course fee
- All advanced AUT courses (AUT 260 Diesel Performance II and above) have a \$200 course fee

**PROGRAM ENTRANCE REQUIREMENTS**

**Academic Entrance Requirements**

- Required:
  - Students must complete the following five courses prior to proceeding into other AUT courses: AUT 101 Basic Electricity-Automotive, AUT 106 Automotive Program Orientation, AUT 107 Mechanical Systems I, AUT 110 Small Gas Engines, and AUT 115 College Success for Auto Tech.
- Recommended:
  - High school diploma or GED

**PROGRAM PERFORMANCE STANDARDS**

**Academic Requirements**

- Students must have a 2.0 cumulative GPA to earn a COCC certificate or degree.
- All courses in the program must be completed with a grade of C or higher.

**PROGRAM COURSE REQUIREMENTS****Core Courses**

AUT 101	Basic Electricity-Automotive	2
AUT 102	Automotive Electric I	5
AUT 103	Automotive Electric II	2
AUT 104	Automotive Electric III	2
AUT 105	Diesel Performance I	2
AUT 106	Automotive Program Orientation	1
AUT 107	Mechanical Systems I	3
AUT 110	Small Gas Engines	3
AUT 111	Computerized Engine Controls	5
AUT 115	College Success for Auto Tech	2
AUT 205	Engine Performance I	2
AUT 206	Engine Performance II	2
AUT 280	Hybrid Electric Vehicles I	4
AUT 281	Hybrid Electric Vehicles II	4

**Total Credits 39****Under-Car Technician****Short Term Certificate of Completion****PROGRAM DESCRIPTION**

The Automotive Under-Car Technician short term certificate gives students an in-depth understanding of under-vehicle systems: brakes, suspension, driveline and electrical, and prepares students for a job in suspension and brakes, either as a technician or manager. The under-car technician courses apply toward ASE certification in (A5) Automotive Brakes, (A4) Automotive Steering and Suspension, and (G1) Maintenance and Light Repair.

**PROGRAM COSTS**

(beyond standard tuition/fees and textbooks)

**Material Costs**

- Materials (coveralls, safety glasses, work jacket, safety shoes, t-shirts): \$200
- ASE (Automotive Service Excellence) Certification – up to \$450 total for all eight areas of testing
- Cost of tools: \$1,500 to \$2,500 depending on the source

**Enrollment Fees**

- All AUT prefix courses up to AUT 260 Diesel Performance II have a \$15 course fee

**PROGRAM ENTRANCE REQUIREMENTS****Academic Entrance Requirements**

- Required:
  - Students must complete the following five courses prior to proceeding into other AUT courses: AUT 101 Basic Electricity-Automotive, AUT 106 Automotive Program Orientation, AUT 107 Mechanical Systems I, AUT 110 Small Gas Engines, and AUT 115 College Success for Auto Tech.
- Recommended:
  - High school diploma or GED

**PROGRAM PERFORMANCE STANDARDS****Academic Requirements**

- Students must have a 2.0 cumulative GPA to earn a COCC certificate or degree.
- All courses in the program must be completed with a grade of C or higher.

**PROGRAM COURSE REQUIREMENTS****Core Courses**

AUT 101	Basic Electricity-Automotive	2
AUT 106	Automotive Program Orientation	1
AUT 107	Mechanical Systems I	3
AUT 110	Small Gas Engines	3
AUT 115	College Success for Auto Tech	2
AUT 204	Steering and Suspension	3
AUT 208	Automotive Brakes	3

**Total Credits 17**