



Program of Study: Automotive Service Technology Associate of Applied Science

Career Pathway: Automotive

Secondary Partner:

Program Name:

CIP:

Program ID:

Post-secondary Partner: Trinidad State College

Program Name: Automotive Service Technology AAS

CIP: 47.0604

Program ID: AAS_ATC

Secondary Program Description:

This 2-year Certificate and Associate of Applied Science degree program is designed to prepare students for employment in the automotive service industry as technicians and will help prepare students for the ASE certification examinations.

Career and Technical Courses

Possibilities of careers, and demand relating to this Pathway

State Graduation Requirements: www.cde.state.co.us/postsecondary/graduationguidelines

High School/Secondary

- MAT 1140 Career Math, or MAT 1240 Mathematics for Liberal Arts: GT-MA1, or MAT 1260 Introduction to Statistics: GT-MA1, or MAT 1340 College Algebra: GT-MA1 CE
- ASE 1002 Introduction to the Automotive Shop CE
- ASE 1010 Automotive Brake Service I CE
- ASE 1011 Automotive Brake Service II CE
- ASE 1020 Basic Automotive Electricity CE
- ASE 1022 Automotive Elective Safety Systems CE
- ASE 1023 Starting and Charging Systems CE
- ASE 2010 Automotive Power and ABS Brake Systems CE
- ASE 2021 Automotive and Diesel Body Electrical CE
- ENG 1015 Technical English and Communication, or ENG 1021 English Composition I: GT-CO1, or ENG 1020 Technical Writing I: GT-CO1 CE
- ASE 1030 General Engine Diagnosis CE
- ASE 1040 Suspension and Steering I CE
- ASE 1041 Suspension and Steering II CE
- ASE 1060 Automotive Engine Repair CE
- ASE 1062 Automotive Engine Service and Repair CE
- ASE 2040 Suspension and Steering III CE
- COM 1150 Public Speaking, or COM 1250 Interpersonal Communication: GT-SS3 CE
- ART 1111 Art History: Ancient to Medieval: GT-AH1, or AST 1110 Planetary Astronomy w/Lab: SC1, or ECO 2001 Principles of Macroeconomics: GT-SS1, or HIS 1210 U.S. History to Reconstruction: GT-HI1, or PSC 1011 American Govt: GT-SS1, or SCI 1105 Science in Society: GT-SC2 CE
- ASE 1050 Manual Drive Train and Axle Maintenance CE
- ASE 1051 Automotive Manual Transmission/Transaxles & Clutches I CE
- ASE 1052 Automotive Manual Transmission/Transaxles & Clutches II CE
- ASE 2050 Automatic Transmission/Transaxle Service CE
- ASE 2031 Automotive Computers and Ignition Systems CE
- ASE 2051 Automotive Transmission and Transaxle Repair CE

Possibilities of Careers:

Automotive Service Manager, Automotive Service Technician, Master Mechanic, Automotive Specialty Technician, General Automotive Technician, Service Advisor

Employment Demand and Wage Data:

Employment Data Occupational Employment & Future Employment Outlook. This section shows the estimated employment wage statistics for individuals in Colorado employed for Automotive Service Technicians and Mechanics in 2019. Annual wage or salary: Entry Level - \$30,575; Mean - \$49,972; Experienced - \$59,671 Hourly wage: Entry Level - \$14.70; Mean - \$24.03; Experienced - \$28.69 The estimated number of Automotive Service Technicians and Mechanics (No data available for Automotive Master Technicians) employed in Colorado in 2018 was 14,752. It is projected that in 2028 there will be 16,255. This represents an annual average growth rate of .97%. Source: Occupational Employment Projections Related By: O*NET™ - The Occupational Information Network.

	<ul style="list-style-type: none"> • AGY 2140 Introductory Soil Science: GT-SC1, or BIO 1005 Science of Biology with Lab: GT-SC1, or THE 1005 Theatre Appreciation: GT-AH1, or HIS 1220 US History since the Civil War:GT-HI1, or MUS 1020 Music Appreciation GT: AH1, or SOC 1001 Introduction to Sociology I : GT-SS3 CE • ASE 1034 Automotive Fuel and Emission Systems I CE • ASE 2033 Automotive Fuel and Emission Systems II CE • ASE 2035 Drivability & Diagnosis CE • ASE 2064 Introduction to Automotive Heating and Air Conditioning CE • ASE 2065 Heating and Air Conditioning Systems CE 	
<p>Related Industry Certifications/Credential(s) offered through program:</p> <p>Various ASE Certifications</p>		<p>Work-based Learning offered through program:</p> <p>Career Research Cooperative Education Job Shadowing</p>
<p>Advanced Credit Options Key: Notate above which course has an articulation agreement or concurrent enrollment. AA – Course is approved for Articulation Agreement CE – Course is offered as Concurrent Enrollment</p>		<p>CTSO organization(s):</p> <p><input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FCCLA <input type="checkbox"/> FFA <input type="checkbox"/> CCSA <input type="checkbox"/> HOSA <input type="checkbox"/> SkillsUSA <input type="checkbox"/> TSA <input type="checkbox"/> SC²</p>

POSTSECONDARY CREDENTIALS				
Postsecondary	Certificate(s) offered through program:	Associate Degree(s) offered through program:	Bachelor's Degree(s) program aligns to:	Advanced Degree(s) program aligns to:
	Various ASE Certifications	Automotive Service Technology AAS	Automotive Service Technology BS	Automotive Service Technology MS
	Postsecondary Program Description:			

This 2-year Certificate and Associate of Applied Science degree program is designed to prepare students for employment in the automotive service industry as technicians and will help prepare students for the ASE certification examinations.

Program Requirements for Entry:

<http://www.trinidadstate.edu/admissions>

CTE Courses

Semester 1

- MAT 1140 Career Math, or MAT 1240 Mathematics for Liberal Arts: GT-MA1, or MAT 1260 Introduction to Statistics: GT-MA1, or MAT 1340 College Algebra: GT-MA1
- ASE 1002 Introduction to the Automotive Shop
- ASE 1010 Automotive Brake Service I
- ASE 1011 Automotive Brake Service II
- ASE 1020 Basic Automotive Electricity
- ASE 1022 Automotive Elective Safety Systems
- ASE 1023 Starting and Charging Systems
- ASE 2010 Automotive Power and ABS Brake Systems
- ASE 2021 Automotive and Diesel Body Electrical

Semester 2

- ENG 1015 Technical English and Communication, or ENG 1021 English Composition I: GT-CO1, or ENG 1020 Technical Writing I: GT-CO1
- ASE 1030 General Engine Diagnosis
- ASE 1040 Suspension and Steering I
- ASE 1041 Suspension and Steering II
- ASE 1060 Automotive Engine Repair
- ASE 1062 Automotive Engine Service and Repair
- ASE 2040 Suspension and Steering III

Semester 3

- COM 1150 Public Speaking, or COM 1250 Interpersonal Communication: GT-SS3
- ART 1111 Art History: Ancient to Medieval: GT-AH1, or AST 1110 Planetary Astronomy w/Lab: SC1, or ECO 2001 Principles of Macroeconomics: GT-SS1, or HIS 1210 U.S. History to Reconstruction: GT-HI1, or PSC 1011 American Govt: GT-SS1, or SCI 1105 Science in Society: GT-SC2
- ASE 1050 Manual Drive Train and Axle Maintenance
- ASE 1051 Automotive Manual Transmission/Transaxles & Clutches I
- ASE 1052 Automotive Manual Transmission/Transaxles & Clutches II
- ASE 2050 Automatic Transmission/Transaxle Service
- ASE 2031 Automotive Computers and Ignition Systems
- ASE 2051 Automotive Transmission and Transaxle Repair

Semester 4

- AGY 2140 Introductory Soil Science: GT-SC1, or BIO 1005 Science of Biology with Lab: GT-SC1, or THE 1005 Theatre Appreciation: GT-AH1, or HIS 1220 US History since the Civil War:GT-HI1, or MUS 1020 Music Appreciation GT: AH1, or SOC 1001 Introduction to Sociology I : GT-SS3
- ASE 1034 Automotive Fuel and Emission Systems I
- ASE 2033 Automotive Fuel and Emission Systems II
- ASE 2035 Drivability & Diagnosis
- ASE 2064 Introduction to Automotive Heating and Air Conditioning
- ASE 2065 Heating and Air Conditioning Systems

District/College Review

Secondary Partner

Print Name: Title: Signature: Date:

Postsecondary Partner

Print Name: Title: Signature: Date: