

MASTER AUTOMOTIVE SERVICE TECHNICIAN

Master Automotive Service Technician Certifcation

Inspect, maintain, and repair cars and light trucks

Automotive curriculum includes an o site internship and an ASE student certi cation. Alongside these, the program also prepares students to obtain many industry based certi cations, including Ford Wed based Training, Hunter Alignment, SnapOn Certifcation, Subaru Web Based Training, and Sp/2 Safety Certi cates. This program will help students learn a variety of skills used in the industry, including the following:

- Diagnostic testing
- Repairing engines, air systems and brakes
- Testing electrical systems
- Aligning suspension systems
- Transmission maintenance and repair

Prerequisites:

- Students must be 18 old at the end of year 2
- Students must have a valid drivers license at the end of year 2

Suggested educational levels:

- English literacy (reading, writing, speaking, and listening)
- Understanding of basic algebra

Suggested physical abilities:

- Capable of lifting 30 pounds
- Capable of sustained activity for 5 hours at a time

Class Hours:

- Morning: 7:50am 10:40am Mon.- Fri.
- Afternoon: 12:05pm 2:50pm Mon.-Fri.
- Program is 4 semesters in length, with start dates in Fall.

Tuition and Credit Hour Calculation

Semester 1	Semester 2
\$1,918.00 (Tuition)	\$1,507.00 (Tuition)
+ \$190.00 (Credit Hour Fee)	+ \$160.00(Credit Hour Fee)
\$2,108.00	\$1,667.00
Semester 3	Semester 4
\$2,192.00 (Tuition)	\$2329.00 (Tuition)
+ \$210.00 (Credit Hour Fee)	+ \$220.00(Credit Hour Fee)
\$2.402.00	\$2,549.00

Based on Colorado Resident In-State Tuition

Estimated Program Costs (to be paid at Picken's payment office)

Tuition and Credit Hour Fees: Semester 1: \$2,108.00 Semester 2: \$1,667.00 Semester 3: \$2,402.00 Semester 4: \$2549.00

Required On Campus Costs:

Program Charges: \$500.00 (each semester) Student ID: \$10.00 (each year) Proxy Disc: \$15.00 (semester 1) CTSO Charge: \$20.00 (each year) Safety Glasses: \$5.00 (+tax) ASE Testing: \$55.00 (semester 1 & 3)

Estimated Total:

Master Automotive Service Technician Certifcate: \$10,831.00 (+tax)

Additional Relevant Costs (estimated)

Required Off Campus Costs: Shop Shirt: \$50.00 (+tax) Z87 Rated Safety Glasses (x2): \$20.00 (+tax)



Cost and information revised **April 2025** 500 Airport Blvd., Aurora, CO 80011 • www.pickenstech.org • (303)344-4910

Credits: 58 Length: 2 years Cost: \$10,856

ourses required for this certificate: Semester 1	Courses required for this certificate: Semester 3
ASE 1001 Auto Shop Orientation 2 Provides students with safety instruction in the shop and on the Automobile. Emphasis is placed on the proper use and care of test equipment, precision measuring and machining equipment, gaskets, adhesives, tubing, wiring, jacks, presses, and cleaning equipment and techniques.	ASE 1051 Manual Transmission/Transaxles & Clutches Focuses on lecture and related laboratory experiences in the diagnosis and repair of automotive manual transmissions, transaxles and clutches and related components.
ASE 1002 Intro to the Automotive Shop 2 Prepares the incoming automotive student to work in the shop safely and gain familiarity with the shop and common equipment.	ASE 1052 Man Trans/Transaxles/Clutch II Focuses on lecture and related laboratory experiences in the diagnosis and repair of automotive manual transmissions, transaxles and clutches and related components.
ASE 1010 Brakes I 2 Covers basic operation of automotive braking systems. Includes operation, diagnosis, and basic repair of disc brakes, drum brakes, and basic hydraulic systems.	ASE 1062 Auto Engine Service Covers engine sealing requirements and repair procedures; engine fasteners, bolt torque and repair of fasteners. Course will also cover cooling system and basic engine maintenance.
ASE 1011 Auto Brakes II 2 Teaches skills to perform service checks and procedures to automotive foundation braking system and to	ASE 1070 Laboratory Experience I: MAST Lab Continues to build upon the principles that are expected to be understood by students.
identify components and types of ABS and traction control systems. ASE 1040 Steering and Suspension I 2 Focuses on lecture and related experiences in the diagnosis and service of suspensions and steering systems	ASE 2031 Automotive Computers and Ignition Systems Focuses on lecture and laboratory experiences in the inspection and testing of typical computerized engine control systems.
and their components. ASE 1050 Manual Drive Tran Axle Maint 2 Studies the operating principles and repair procedures relating to axle-shaft and universal joints	ASE 2033 Auto Fuel Injection/Emissions Focuses on lecture and related laboratory experiences in the diagnosis and repair of electronic fuel injection systems and modern exhaust systems.
ASE 2050 Auto Transmission/Transaxle Service 1 Emphasizes lecture and related experiences in the diagnosis and service of electronic suspensions and steering systems and their components.	ASE 2051 Automotive Transmission & Transaxle Repair Covers diagnosis, principles of hydraulics, principles of electronic components, power flow, theory of operation, remove and re-install transmission/transaxle, and replacement of components.
ASE 2064 Intro to HVAC Systems 1	Courses required for this certificate: Semester 4
Covers basic operation of the Heating and Air Conditioning components.	ASE 1041 Suspension and Steering II Covers design, diagnosis, inspection, and service of suspension and steering systems used on light trucks and automobiles. Course includes power steering and SRS service.
ASE 1020 Basic Auto Electricity 2 Introduces automotive electricity and includes basic electrical theory, circuit designs, and wiring methods. Focuses on multi-meter usage and wiring diagrams.	ASE 2010 Auto Power/ABS Brake Systems Covers the operation and theory of the modern automotive braking systems. Includes operation, diagnosis, service, and repair of the anti-lock braking systems, power assist units and machine operations of todays automobile.
ASE 1022 Automotive Electrical Safety Systems 1 Teaches the student to Identify operation of vehicle lighting systems, Supplemental Inflatable Restraints (SIR), windshield wiper, driver warning systems and vehicle accessories.	ASE 2021 Auto/Diesel Body Electrical Provides a comprehensive study of the theory, operation, diagnosis, and repair of vehicle accessories.
ASE 1023 Starting and Charging Systems 2 Covers the operation, testing and servicing of vehicle battery, starting and charging systems. Includes voltage testing of starter and generator, load testing and maintenance of a battery	ASE 2040 Suspension and Steering III Covers operation of steering and power steering systems. It will also include different alignment types and procedures.
ASE 1030 General Engine Diagnosis 2 Focuses on lecture and related laboratory experiences in the diagnosis and necessary corrective actions of automotive engine performance factors.	ASE 2065 HVAC Systems Emphasizes lecture and related laboratory experiences in the diagnosis and service of vehicle heating and ai conditioning systems and their components.
ASE 1034 Automotive Fuel and Emission Systems I 2 Focuses on lecture and laboratory experiences in the diagnosis and repair of automotive fuel emission control systems, filter systems and spark plugs. Course also includes maintenance to diesel (DEF) systems.	ASE 2085 Independent Study: PWR Meets the individual needs of students. Students engage in intensive study or research under the direction of a qualified instructor
ASE 1060 Auto Engine Repair 2 Covers engine sealing requirements and repair procedures; engine fasteners, bolt torque and repair of fasteners. Course will also cover cooling system and basic engine maintenance.	

CYBER TECHNICIAN CERTIFICATE

Certificate Total: Credit Hours: 58 Certificate Length: 4 semesters

Additional costs may apply. All books, kits & supply costs are estimated. Cost, information, and classes are subject to change. Statistics present are based on the US Bureau of Labor Statistics. This certificate is eligible for Financial Aid. You may begin the Financial Aid process by completing your Free Application for Federal Aid (FAFSA) at www.FAFSA.ed.gov. If you have further questions, please call (303)344-4910.

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