



Automotive Technology

Automotive Technology is a two-year, ASE Education Foundation Certified program that prepares students to enter a professional career in the automotive industry, and to further their education at the post-secondary level. Students are introduced to preventative automotive maintenance, brake systems, suspension and steering, basic electrical and engine repair during the first year. During the second year, students are introduced to electrical and electronics, engine performance, manual drivetrain and axles, automatic transmission & transaxles, and heating & air conditioning.

STUDENT PURCHASED TOOLS:

Within this professional trade area students are required to purchase professional-grade tools. Students need to have at least a starter set of hand tools by the first five days of school. These tools may be used throughout their entire career so it is recommended that you purchase tools that are guaranteed replaceable.

- Hand-Held Toolbox-3 Drawer Design
- (12"H x 9" W x 23" L suggested size)
- Combination Lock for Tool Box
- 12 Volt Test Light
- Digital Volt/Ohm Meter (harbor freight)
- Pen Light (small pen-sized flashlight)
- Rib Joint Pliers (channel locks)
- Needle Nose Pliers
- Diagonal Side Cuts
- Slip Joint Pliers
- Locking Pliers (vise grips)
- Phillips/Straight Screwdriver Set
- Long Handled Gasket Scraper
- Combination Wrenches- Metric 8mm to 18mm
- 16 oz. Ball Peen Hammer
- 1/4" Socket Set- 6 point preferred and including Ratchet & Extensions. Metric 6-13 mm
- 3/8" Socket Set- 6 point preferred and including Ratchet & Extensions. Metric 10-18 mm

Optional Tools:

- 1/2" Socket Set- 6 point preferred and including Ratchet & Extensions. Metric: 15mm to 25mm
- Socket Adaptors
- Torx/star Bits (T15-T45)
- Allen Wrench Set

UNIFORM DETAILS:

Apollo students wear uniforms as part of the professionalism component of their career technical program. Uniforms are ordered from Cappies Sportswear through the Apollo website. All students who were accepted prior to the first day of school are expected to be in uniform by September 14th. Students accepted within the first two weeks of school must be in uniform by October 1st. Students who are not in uniform by these deadlines may be sent home or have daily grade reductions for professionalism.

Purchased through online portal:

- Uniform Shirts (Recommend purchasing more than one)
- Hooded Sweatshirt
- Black Carhartt Jacket

Can be purchased anywhere:

- Black Work Pants or Black Jeans
- Hard Sole, Full Leather Work Boots (do not have to be steel toe)
- Safety Glasses (prescription glasses are acceptable)

SKILLS LEARNED:

- ✓ Preventive maintenance
- ✓ Engine repair
- ✓ Brake systems/anti-lock brakes
- ✓ Suspension and steering systems/alignments
- ✓ Electrical and electronic systems
- ✓ Engine performance
- ✓ Manual drive trains & axle operations
- ✓ Automatic transmissions/ transaxles operations
- ✓ Heating and air conditioning systems

CREDENTIALS STUDENTS CAN EARN:

ASE Certification (3 Points each)
> 10 possible certifications

COLLEGE CREDIT:

Students may earn up to 4 hours of cost-free college credit

ACTIVITY DUES:

- ✓ \$35

TYPICAL SCHOOL DAY SCHEDULE:

**some schedules may vary*

- ✓ 8:00 am – 2:25 pm
(buses leave at 2:20, drivers at 2:25)
- ✓ First-year students have lab in the morning and second-year students have lab in the afternoon.

INSTRUCTOR

Roger Mathews

roger.mathews@apollocc.org

567.940.3834