



BREVARD PUBLIC SCHOOLS CAREER & TECHNICAL EDUCATION



Automotive Maintenance and Light Repair

PROGRAM HIGHLIGHTS

Here are just some of the skills students will possess after successfully completing the program:

- Programs located at Eau Gallie, Heritage, Merritt Island, Rockledge, Satellite, and Titusville High Schools.
- Apply proficiently the diagnosis, service and repair of engines, cylinder heads, valve train, lubrication, cooling systems, electrical/electronic system components, battery, starting, charging, lighting, instrument cluster, driver information, and body electrical systems.
- Apply proficiently the diagnosis, service and repair of front and rear suspension systems, wheel alignment, and wheels and tires.
- Apply proficiently the diagnosis, service and repair of drum/disc brake, hydraulics, power assist units, electronic brakes, and related (wheel bearings, parking brake, electrical, etc.) systems.
- Apply proficiently the diagnosis, service and repair of heating and air conditioning, refrigeration, heating, ventilation, and engine cooling, operating and related control systems.
- Apply proficiently the diagnosis, service and repair of engine computerized controls, fuel, air induction, exhaust, and emission control systems.
- Apply proficiently the diagnosis, service and repair of manual drivetrain, clutches, transmissions/transaxles, drive and half-shafts, universal and constant velocity joints, differential case assemblies, drive axles, four-wheel and all-wheel drive systems.
- Apply proficiently the diagnosis, service and repair of front and rear suspension and steering systems, wheel alignment diagnosis and adjustment, and tires, drive and half-shaft universals, constant velocity joints, ring and pinion gears, differential case assembly, and drive axles.

CERTIFICATES

ASE Entry-Level - Auto: Brakes (BR), Electrical/electronic Systems (EE), Engine Performance (EP), Engine Repair (ER), Suspension and Steering (SS), Automatic Transmission (AT), Heating & Airconditioning (AC), Manual Drive Train (MD) and Automobile Service Technology (AS)


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**140
Classroom
Hours per
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**Industry
Certifications**



**Rigorous
Curriculum**

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