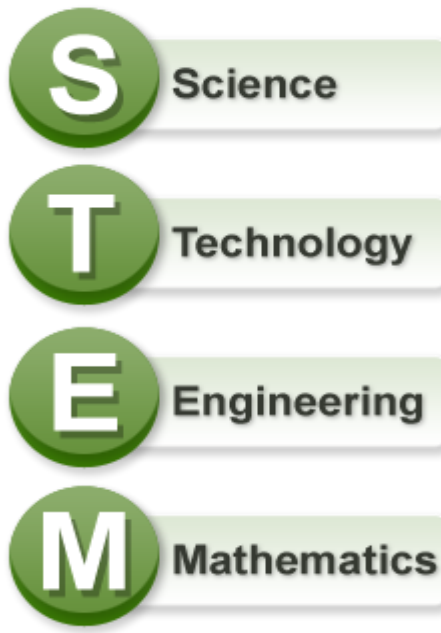


VOCATIONAL TRAINING LEARNING OBJECTIVES

- Osha Shop Safety
- Electric Vehicle (EV) Diagnostics
- Mechanic Tools
- Vehicle Hoist
- Oil Change
- Brakes and Braking Systems
- Steering and Suspension Systems
- Electrical and Electronic Systems
- Engine Performance and Repair
- Tune-up (Major / Minor)
- Transmission Systems
- Drivetrain / Powertrain
- Climate Control System
- Exhaust Systems
- Front End Alignment
- Tow Truck Training (Vehicle Towing)



1st Class Automotive Facility

13611 Livernois

Detroit, MI 48238

(313) 834-1111

Administration Office

400 Renaissance Center Drive #2600

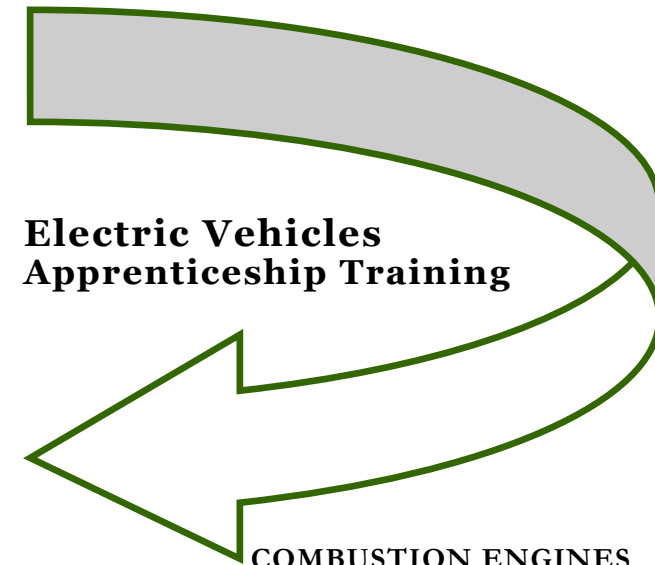
Detroit, MI

(313) 309-7032

www.blastdetroit.org

Email: info@blastdetroit.org

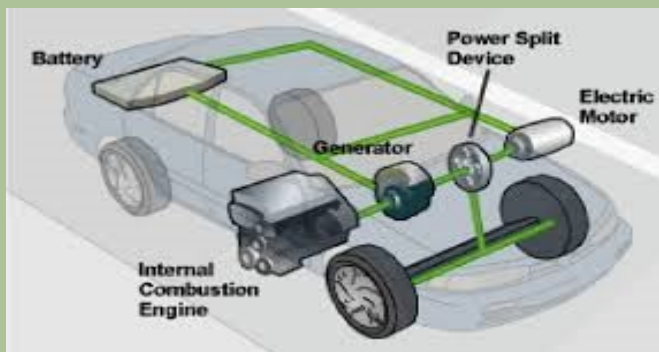
BLAST



Electric Vehicles Apprenticeship Training

COMBUSTION ENGINES
ELECTRIC VEHICLES
HYBRID VEHICLES

- Mechanic and Repair Services
- Advanced Automotive Technologies
- 14 Weeks of Training



ABOUT

BLAST workforce development readiness program is designed to recruit, screen train and prepare selected apprentices for successful entry into advanced automotive careers. Developed by the Blackbottom Group 501 c 3 non profit organization, apprentices alternate between classroom and predominately shop hands on training. BLAST placement staff work with apprentices and auto repair facility sponsors to hire apprentices prior to completion of the program. BLAST also helps to improve the economic mobility agenda for apprentices including individuals with disabilities. The program is fully invested in participants' outcomes.



BLAST GOALS

- To assist individuals in improving technological skills and academic achievement
- Assist with completing career paths to good paying jobs.
- Improve individual employment opportunities and entrepreneurship.
- Prepare students to test for numerous recognized ASE certifications administered through National Institute for Automotive Service Excellence (ASE).

PROGRAM OFFERED

METAVESE AUTOMOTIVE TECHNOLOGY



Apprentices will gain knowledge in A.C. and D.C. circuits inverters; and converters. Course curriculum includes technology 1 & 2 provides an overview combustion engines, electric powered motors (EV) and gas-electric hybrid vehicle fundamentals, diagnostic and repair. Describing the fundamentals of the operation, diagnosis, and repair of electric and hybrid vehicles. Topics covered include EV and HEV batteries, fuel cells, electric motor controllers, inverters, and auxiliary accessories. Electric Vehicle Data Acquisition. Sensors, and Control Systems emphasizes the sensors, microprocessors, and digital communications systems used in modern vehicles to optimize vehicle performance

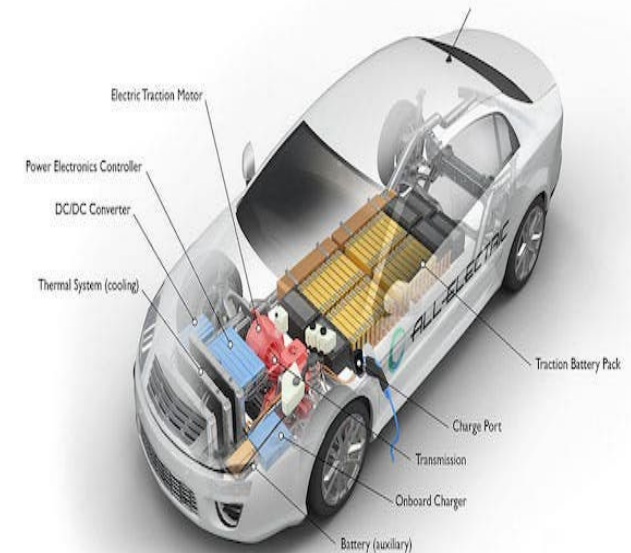
Career Readiness

- **Employable Skills Development** participants will be mentored through direct instruction, activities that allows them to develop the Interpersonal skills needed for the 21st century careers and workforce.

BLAST Program Description

Blast Detroit and 1st Class Auto Sales and Service. Center Applied Technology 14 week automotive vocational training program in Combustion engines, Electric and Hybrid Vehicle technology. This certificate program prepare apprentices with the fundamental skills and abilities to enter a career in Electric Vehicle (EV) service technology. Apprentices will gain understanding of automotive mobility advanced technologies; components; maintenance; basic design; electronics and battery powered electric vehicle propulsion systems.

All-Electric Vehicle



afdc.energy.gov

BLAST

Improving Lives and Communities