

Electric Vehicle Technology EVT

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Division of Advanced Technology
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Electric Vehicle Technology (EVT)

EVT 100 Introduction to Electric 3 Units **Vehicles**

Prerequisite: None.

Hours: 54 hours LEC

This course will provide an overview of the electric vehicle and hybrid technology. The topics covered will include electric vehicle technology, hybrid technology, economics, regulations, environmental impact, and safety.

EVT 110 Introduction to Electric 4 Units **Vehicle Conversions**

Prerequisite: None.

Hours: 54 hours LEC; 54 hours LAB

This course will cover the theory and actual conversion of an internal combustion engine (ICE) to a battery powered electric vehicle. Topics to be covered are the process of conversion of an ICE vehicle to electric power, to include modifications, assembly, operation, testing and general maintenance of electric vehicles.

EVT 130 Electric Vehicle Batteries 3 Units

Prerequisite: None.

Hours: 54 hours LEC

This course introduces students to current battery technology as it relates to electric vehicles. Students will be instructed on the various types of batteries found in automobiles, motorcycles, aircraft and marine batteries. Emphasis will be placed on battery theory, safety, handling, construction and maintenance.