

POWERTRAIN ELECTRIFICATION, CAPSTONE CERTIFICATE

LEARNING OUTCOMES

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1. Develop control systems for electrified powertrain systems.
2. Comprehend and be able to analyze working principles of all components in electrified powertrain systems.
3. Describe how cells are connected to make modules and packs for power and energy applications
4. Develop systems thinking at vehicle level and drive cycle analysis, by recognizing energy flows and losses in a vehicle and identify the main contributors for them, and quantifying losses and impact of specific technologies on vehicle fuel economy