

Occupational Endorsement Certificate in Electric Vehicle and Hybrid Specialist

The Occupational Endorsement Certificate in Electric Vehicle (EV) and Hybrid Specialist provides students with the technical education and training necessary to be successful in today's automotive Electric and Hybrid vehicles. Students will study the various vehicle systems, including electrical and electronics, computerized controls, EV battery technology and controls, EV motors, and components that make up today's complex hybrid and electric vehicles.

Admission Requirements

- Complete the Admission Requirements for Occupational Endorsement Certificates (<https://catalog.uaa.alaska.edu/academicpoliciesprocesses/admissions/undergraduate/>).

Graduation Requirements

- Complete the General University Requirements for Occupational Endorsement Certificates (<https://catalog.uaa.alaska.edu/undergraduateprograms/oecrequirements/>).
- Complete the following major requirements with a minimum grade of C:

| Code | Title | Credits |
|--------------|---------------------------------------|-----------|
| ADT A102 | Introduction to Automotive Technology | 3 |
| ADT A121 | Basic Electrical Systems | 3 |
| ADT A131 | Auto Electrical II | 3 |
| ADT A227 | Auto Electrical III | 3 |
| ADT A230 | Electric and Hybrid Vehicle I | 3 |
| ADT A240 | Electric and Hybrid Vehicle II | 3 |
| Total | | 18 |

A minimum of 18 credits is required for the certificate.

Program Student Learning Outcomes

Students graduating with an Occupational Endorsement Certificate in Electrical Vehicle & Hybrid Specialist will be able to:

- Demonstrate technical knowledge and skills necessary for success in the EV and hybrid repair industry.
- Demonstrate academic proficiency necessary to pass national examinations.
- Integrate knowledge from diverse areas to develop effective diagnostic and repair strategies involving complex EV and hybrid systems.
- Demonstrate effective oral and written communication skills necessary for success in the workplace.