State and federal departments of labor projections show an above average increase in the need for qualified maintenance and repair technicians in the automotive and heavy-duty transportation, construction, and power generation industries. Consumer demands for increased performance and fuel economy, coupled with government regulations on vehicle emissions, are driving rapid developments in technology. The Transportation and Power Division offers AAS degrees in automotive technology and in diesel power technology that are designed to equip students with knowledge and skills necessary to meet the needs of employers in the industry. Both the AAS degrees and undergraduate certificate programs are accredited by the National Automotive Technicians Education Foundation (NATEF).

There are two options for the AAS in Automotive Technology. The general automotive technology option for the AAS and undergraduate certificate are designed to prepare students for a career in the automotive maintenance and repair industry. Curriculum design is based on automotive task lists developed by NATEF. The General Motors ASEP option for the AAS degree is designed to prepare students for a career in General Motors dealerships, AC Delco service facilities and various fleet repair centers. Graduates from the corporate-sponsored AAS degree option receive factory credentials upon graduation. These credentials are recognized by the respective dealerships across the country. Students are prepared and encouraged to take the appropriate ASE certification exams during their enrollment in both programs. There is also a registered apprenticeship program option for select students in the general automotive technology program.

The AAS and Undergraduate Certificate in Diesel Power Technology are designed to prepare students to work as repair and maintenance technicians in the heavy-duty transportation, construction and power generation industries. Much of the curriculum is based on medium- and heavy-duty maintenance and repair task lists developed by NATEF. Students train on vehicles, equipment and components provided by or procured from major manufacturers of medium- and heavy-duty trucks and equipment.

Programs of Study

Occupational Endorsement Certificates

- OEC in Automotive Brakes, Suspension and Alignment
  (http://catalog.uaa.alaska.edu/undergraduateprograms/ctc/automotiveanddieseltechnology/oec-automotivebreakssuspensionalignment)

Undergraduate Certificates

- Certificate in Automotive Technology
  (http://catalog.uaa.alaska.edu/undergraduateprograms/ctc/automotiveanddieseltechnology/certificate-automotivetechnology)
- Certificate in Diesel Power Technology
  (http://catalog.uaa.alaska.edu/undergraduateprograms/ctc/automotiveanddieseltechnology/certificate-heavydutypowerandenergytechnology)

Associates of Applied Science

- AAS in Automotive Technology
  (http://catalog.uaa.alaska.edu/undergraduateprograms/ctc/automotiveanddieseltechnology/aas-automotivetechnology)
- AAS in Diesel Power Technology
  (http://catalog.uaa.alaska.edu/undergraduateprograms/ctc/automotiveanddieseltechnology/aas-heavydutypowerandenergytechnology)

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- OEC in Automotive Electrical
  (http://catalog.uaa.alaska.edu/undergraduateprograms/ctc/automotiveanddieseltechnology/oec-automotiveelectrical)