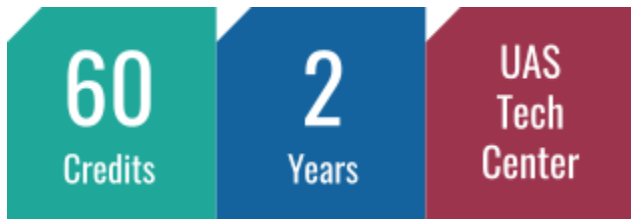


Power Technology

AAS | Associate of Applied Science



“The Power Technology program has taught me so much; I found a love for mechanics I never knew I had. My experience at UAS prepared me for my career path after school.”

— Andrew Alderfer

AAS Power Technology, Mine Mechanic

Potential Careers

- Earthmoving and Roadbuilding
- Power Generation
- Trucking or Bus Fleets
- Fishing Vessels
- Cold Storage Operations
- Maintenance Shops
- Machinery Dealers
- Mining or Logging Companies
- Airport Maintenance
- Sand and Gravel Operations

Get Up and Running with Power Tech!

The Associate of Applied Science in Power Technology is a practical and direct program designed for students who are interested in solving problems and repairing machinery the correct way. Courses cover a variety of machine systems as well as diesel engines.



Hands on Training

Classes are at least 50% hands-on, which allow students to practice their new skills. The program provides many training aids, including wheel loaders, axle and off highway tractors, backhoe loaders, marine gears, engines, transmissions, power generators, refrigeration and hydraulic units, as well as scanning tools and software to assess onboard electronics.



Pathways to a Career

Students gain valuable skills and can enter fields of employment with good wages, high demand, and advancement potential.

UAS Technical Education Center
1415 Harbor Way, Juneau, AK 99801
Tel: (907) 796-6120
uas.careered@alaska.edu

uas.alaska.edu/apply



UNIVERSITY of ALASKA SOUTHEAST

Power Technology

Associate of Applied Science | 60 credits

Fall 1	16	Spring 1	17
DESL 102 Preventative Maintenance	2	DESL 107 Diesel Fuel Systems	4
DESL 110 Diesel Engines	6	DESL 125 Basic Hydraulics	3
DESL 121 Basic Electrical	3	DELS 180 AC Power Generation	3
DESL 130 Refrigeration and A/C	2	DESL 250 Heavy Duty Brakes	2
DESL 131 Basic Electrical	3	DESL 255 Heavy Duty Suspension and Alignment	2
		DESL 260 Heavy Duty Power Trains	3
Fall 2	16	Spring 2	17
COMM 111 Intermediate Algebra	3	DESL 261 Marine Auxiliary Systems	3
DESL 263 Marine Transmissions	3	DESL 262 Marine Auxiliary Systems Lab	2
MATH 105 Intermediate Algebra	4	DESL 291 Internship	6
WRTG 111 Writing Across Contexts	3	WRTG 212 Writing and the Professions	3
WELD 120 Basic Welding	3	General Education Requirement	3

Occupational Endorsement | 29 credits

Fall 1	16	Spring 1	13
DESL 102 Preventative Maintenance	2	DESL 125 Basic Hydraulics	3
DESL 110 Diesel Engines	6	DELS 180 AC Power Generation	3
DESL 121 Basic Electrical	3	DESL 250 Heavy Duty Brakes	2
DESL 130 Refrigeration and A/C	2	DESL 255 Heavy Duty Suspension and Alignment	2
WELD 120 Basic Welding	3	DESL 260 Heavy Duty Power Trains	3



DEGREE REQUIREMENTS: uas.alaska.edu/academics

This is a suggested course sequence and does not take the place of program requirements listed in the UAS Academic Catalog. Students must work with an academic advisor to plan their course sequence. UA is an AA/EQ employer and educational institution and prohibits illegal discrimination against any individual: www.alaska.edu/nondiscrimination. Updated 7/2021

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