Sustainable Energy
Occupational Endorsement

The Occupational Endorsement in Sustainable Energy provides students with an educational foundation based on the two pillars of sustainable energy: energy efficiency and renewable energy. The program is structured as 6 credits of foundation knowledge and a minimum of 6 credits of electives that allow students to specialize in specific areas of sustainable energy. This degree program prepares students for entry-level employment and can serve as a stepping-stone towards further degrees in science and engineering.

Program Basics
Renewable Energy
Energy Efficiency
Hands-on experience through certain electives
Options for 100% distance delivery
Independent Research Projects

Graduation Requirements:
Students must complete the following courses:

ENVI F220—Intro to Sustainable Energy (3 cr.)
DEV F105—Intermediate Algebra (3 cr.)
or CTT F106—Construction Math (3 cr.)
or TTCH F131—Math for the Trades (3 cr.)

AND

Complete at least 6 credits from the following electives:*  
CT S201—Cold Climate Construction (3 cr.)**
CTT F100—Construction Technology Core (3 cr.)
CTT F160—Photovoltaic Systems – Part I (5 cr.)
CTT F161—Photovoltaic Systems – Part II (5 cr.)
CTT F250—Current Topics in Construction Trades (1-3 cr.)
ENVI F101—Introduction to Environmental Science (3 cr.)
ENVI F120—Home Energy Basics (1 cr.)
PHYS F102X—Energy and Society (4 cr.)
or other advisor approved electives

Total: 12 credits
* Students must earn a C grade (2.0) or better in each course.
** CT S201 is offered by University of Alaska Southeast

Example Occupations for Graduates:
Weatherization Technician
Renewable Energy Technician
Tribal Environmental Assistant
Facilities Systems Maintenance Worker
Education Support Staff

Example Occupations (with additional training):
Certified Wind or Solar Technician
Energy Auditor
Energy Efficiency Consultant
Green Building Consultant

Examples of Continuing Educational Opportunities:
Environmental Studies Certificate
Associate of Applied Science
Associate of Science

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