Sustainable Energy Occupational Endorsement

This cutting edge degree program prepares students for entry-level employment in the rapidly growing sustainable energy industry. As fossil fuel reserves decrease the need to examine our energy needs and production methods will continue to increase. The two pillars of sustainable energy, renewable energy and energy efficiency, lay the foundation for students to specialize in their interest area. Courses may serve as stepping-stones towards further degrees in science and engineering. Options for 100% online delivery with flexible login times to accommodate distant students with busy schedules. With bright horizons for career growth, there’s never been a better time to invest in yourself, the environment, and our shared energy future. For information regarding scholarships and registration talk to an academic advisor today! Visit http://www.uaf.edu/bbesl/sustainable-energy/

Contact UAF Bristol Bay Campus for more information:
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Phone: 907-842-5109
or jwmears@alaska.edu
Phone: 907-842-8368
1-800-478-5109
http://www.uaf.edu/bbesl/sustainable-energy/

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

Graduation Requirements:
Students must complete the following courses:
ENVI 220—Intro to Sustainable Energy (3 cr.)
CTT 106—Construction Math (3 cr.)
or TTCH 131—Math for the Trades (3 cr.)
or DEVM 105—Intermediate Algebra (3 cr.)
AND
Complete at least 6 credits from electives:*
CT S201—Cold Climate Construction (3 cr.)**
CTT 100—Construction Technology Core (3 cr.)
CTT 160—Photovoltaic Systems – Part I (5 cr.)
CTT 161—Photovoltaic Systems – Part II (5 cr.)
CTT 250—Current Topics in Construction Trades (1-3 cr.)
ENVI 101—Introduction to Environmental Science (3 cr.)
ENVI 120—Home Energy Basics (1 cr.)
ENVI 121 - Building Ventilation and Energy (1 cr.)
ENVI 122 - Energy Efficient Bldg Design & Simulation (1cr.)
PHYS F102X—Energy and Society (4 cr.)
or other advisor approved electives

Total: 12 credits
* Students must earn a C- grade 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

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

Continuing Educational Opportunities:
Environmental Studies Certificate
Associate of Applied Science
Associate of Science
Bachelor’s in Science or Engineering