

RENEWABLE ENERGY TECHNOLOGY

The Renewable Energy Technology program is a versatile, interdisciplinary program that offers students the opportunity to become trained in a variety of technologies. The core of the program is centered on electrical power generation from wind and solar. Students will be given an industrial maintenance foundation as well as an opportunity to select courses in construction, business, geographical information systems, and information technology.

Associate of Applied Science Degree Renewable Energy Technology

(Recommended Curriculum)

General Education (Minimum 17 credits) Credits
 General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation (one course minimum)
2. Communication (one course minimum in written or spoken communication)
3. Relationship with the World
 - Human Behavior
 - U.S. and Wyoming constitutions 1-3
 - Cultural Environment
4. General Education Electives
 - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

Major Requirements

ATSC 2000 Introduction to Meteorology	4
DESL 1850 Basic Hydraulics	3
ELTR 1535 Electric Power	3
ELTR 1570 Electric Circuits	4
ELTR 1620 Electrical Concepts Laboratory	1.5
ELTR 2945 Fiber Optic Workshop	2
ENTK 1510 Drafting I	4
ENVT 1600 Industrial Safety	4
RETK 1500 Solar Power Systems	2
RETK 1505 Small Wind Turbines	2
RETK 1520 Wind Power Systems	3
RETK 1525 Blade Installation and Maintenance	3
RETK 1530 Crane and Rigging Operations	1
RETK 2530 Instrumentation	3
RETK 2500 Basic Site Planning	3
RETK 2550 Power Distribution	3

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Renewable Energy Technology Certificate (Certificate Requirements)

Course	Credits
DESL 1850 Basic Hydraulics	3
ELTR 1515 Basic AC/DC Electronics	3
ELTR 1535 Electric Power	3
ELTR 2945 Fiber Optic Workshop	2
ENVT 1600 Industrial Safety	4
RETK 1500 Solar Power Systems	2
RETK 1505 Small Wind Turbines	2
RETK 1520 Wind Power Systems	3
RETK 2500 Basic Site Planning	3

For specific graduation requirements see "Academic Policies" and "Degree Requirements."

ONLY COURSES NUMBERED 1000 OR ABOVE CAN BE USED TOWARD THE ASSOCIATE OF ARTS, ASSOCIATE OF SCIENCE, ASSOCIATE OF BUSINESS, ASSOCIATE OF FINE ARTS AND ASSOCIATE OF APPLIED SCIENCE DEGREES.