

# The Program

The unique two-year Sustainable/Renewable Energy program concentrates on solar photovoltaic (PV) and wind technology. Because courses are offered online, students can learn and work from anywhere with internet access.

Participation in Saturday “boot camps” is recommended to gain hands-on training. Our camps have state-of-the-art real-world systems (not mockups) to give students the necessary training needed to be successful in the industry. Boot camps are offered every eight weeks in the fall and spring semesters.



Students get hands-on experience during boot camps to enhance online learning.

## Contact Information

**Derek Reilley**  
**Sustainable/Renewable Energy**

1255 South Range Ave.  
Colby, KS 67701  
(785) 460-5431

### Admissions Office

admissions@colbycc.edu  
(888) 634-9350  
Fax: (785) 460-4691  
www.colbycc.edu



### Equal Opportunity

CCC does not discriminate on the basis of race, color, gender, age, disability, national origin or ancestry, sexual orientation or religion. The following person has been designated to handle inquiries regarding non-discrimination policies:

### Vice President of Student Affairs

1255 South Range Ave.  
Colby, KS 67701  
(785) 460-5490

**Sustainable/Renewable Energy**  
**AAS**



**SUSTAINABLE/  
RENEWABLE ENERGY**

**ASSOCIATE OF  
APPLIED SCIENCE**



colbycc.edu

# The Industry

Solar PV and wind technology are one of the fastest growing technologies in the energy market.

Because this program can be completed in two years online, students will be quickly prepared for the to enter industry.

## Funding for High School Students

Kansas high school students are eligible for SB155 funding. Students can earn dual credit and begin their college education while in high school.

For information, high school counselors should contact the Outreach Department at:

(785) 460-4611 or  
outreach@colbycc.edu.

# CCC's Program

- Begin any semester, including summer!
- Finish in two years.
- 100% online with the option of a Saturday "boot camp" or alternate assignment.
- Open to full-time, part-time, and high school students.
- Job placement assistance.

## The Faculty

### Derek Reilley, M.S.

In more than 20 years of higher education, Reilley has designed, installed and maintained numerous types of systems. He is a Solar Professional Trainer of Trainers and also holds credentials in residential and commercial photovoltaic systems, battery-based photovoltaic systems, and solar business and technical sales.

# Curriculum

For the best path to success, visit with your advisor to select classes before enrolling.

## GENERAL EDUCATION

- EN176 English Composition I (3)  
CH176 Fund. of Chemistry (5) or  
PH177 Introduction to Geology with Lab (5)  
SP106 Interpersonal Communications (3) or  
SP176 Public Speaking (3)  
General Ed. Electives (6)

## CORE COMPONENT

- SO100 Student Success Seminar \* (1)  
AE190 Electronics \* (3)  
AE276 Introduction to Energy Technologies \* (3)  
AE241 Power Storage/Trans. & Conversion \*\* (3)  
AE182 Drones in Renewable Energy † (3)  
AE297 Small Wind/Solar PV Installation Prof. † (5)  
AE298 Internship ^ (4)

## WIND TECHNICAL TRACK

- AE181 Small Wind Turbines \* (3)  
AE178 AG/Rural Wind Applications \*\* (3)  
AE183 Wind Battery Based † (3)  
AE180 Wind/Solar PV Hybrid Systems †† (3)

## SOLAR PHOTOVOLTAIC TRACK

- AE277 Solar PV Fund. & Applications \* (3)  
AE279 Solar PV Grid Direct \*\* (3)  
AE200 Solar PV Battery-Based † (3)  
AE201 Solar PV Technical Sales †† (3)

## TECHNICAL ELECTIVES

- SO181 Career Development †† (3)

**Hours to Graduate: 66**

- \* Fall semester, first eight weeks  
\*\* Fall semester, second eight weeks  
† Spring semester, first eight weeks  
†† Spring semester, second eight weeks  
^ Summer

