

# SUSTAINABLE ENERGY O.E.C.

## Admission Requirements

Complete the following admission requirements:

- Be at least 16 years old by the first day of the semester in which you are admitted.

## Program Requirements

< Back to Department (<https://catalog.uaf.edu/academic-departments/community-based-science/>)

## Minimum Requirements for Sustainable Energy Occupational Endorsement: 12 credits

Students must earn a C- or better in each course.

Code	Title	Credits
<b>General University Requirements</b>		
Complete the general university requirements. ( <a href="https://catalog.uaf.edu/endorsements/#guroccupationalendorsementstext">https://catalog.uaf.edu/endorsements/#guroccupationalendorsementstext</a> )		
<b>Occupational Endorsement Requirements</b>		
Complete the occupational endorsement requirements. ( <a href="https://catalog.uaf.edu/endorsements/#occupationalendorsementrequirementstext">https://catalog.uaf.edu/endorsements/#occupationalendorsementrequirementstext</a> )		
<b>Sustainable Energy Program Requirements</b>		
Complete the following:		
ENVI F220	Introduction to Sustainable Energy	3
Complete one of the following:		
CTT F106	Construction Measuring	3
MATH F105	Intermediate Algebra	
TTCH F131	Mathematics for the Trades	
<b>Electives</b>		
Complete 6 credits from the following:		
CTT F100	Construction Technology Core	
CTT F160	Photovoltaic Systems I	
CTT F161	Photovoltaic Systems II	
CTT F250	Current Topics in Construction Trades	
ENVI F101X	Introduction to Environmental Science	
ENVI F120	Home Energy Basics	
ENVI F121	Building Ventilation and Energy	
ENVI F122	Energy Efficient Building Design and Simulation	
ENVI F170	Solar Energy Basics	
ENVI F173	Basics of Small Wind Systems	
ENVI F174	Basics of Heat Pump Systems	
ENVI F175	Introduction to Biomass Energy Systems	
ENVI F180	Alaska Utility Lecture Series	
PHYS F102X	Energy and Society	
Courses available through UAA and UAS		

CT S201 (<https://catalog.uas.alaska.edu/search/?search=CT+S201>) Cold Climate Construction <sup>1</sup>

RE A110 (<https://catalog.uaa.alaska.edu/search/?search=RE+A110>) Introduction to Solar Photovoltaic Systems <sup>2</sup>

RE A130 (<https://catalog.uaa.alaska.edu/search/?search=RE+A130>) Introduction to Small Wind Systems <sup>2</sup>

RE A150 (<https://catalog.uaa.alaska.edu/search/?search=RE+A150>) Basics of Ground-Source Heat Pump Systems <sup>2</sup>

or other advisor-approved electives

**Total Credits** **12**

<sup>1</sup> CT S201 is offered by the University of Alaska Southeast.

<sup>2</sup> RE A110, RE A130 and RE A150 are offered by the University of Alaska Anchorage.