

# SUSTAINABLE ENERGY STUDIES

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## School of Applied Technology and Hospitality Management

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**School/Department Location:** [www.swccd.edu/cvlocation](http://www.swccd.edu/cvlocation)

**Map:** <https://goo.gl/maps/C4E3PnKsdU92> (<https://goo.gl/maps/C4E3PnKsdU92/>)

## General Description

Introduces the student to the study of the growth of the human population and its effects on energy and climate demands with an emphasis on landscaping and the built environment. Studies the relationship between human biology and the environment as applied to building design. Emphasizes sustainable building design, passive energy strategies, and the application of appropriate heating, cooling, and ventilation systems. A hands on study of energy auditing methods of existing homes as they are now constructed, analysis of residential design and strategies for energy efficiency. Prepares the student to take the California H.E.R.S. level 1 certification exam.

## Career Options

Below is a sample of the career options available for the Sustainable Energy Studies major: Energy auditors and home energy raters, building control systems technicians, compliance analyst or energy regulation specialist.

Degree/Certificate Options	Major Code
<b>Associate in Science Degree:</b>	
<b>Career/Technical</b>	
Sustainable Energy Studies ( <a href="http://catalog.swccd.edu/associate-degree-certificate-programs/sustainable-energy-studies/sustainable-energy-studies-as/">http://catalog.swccd.edu/associate-degree-certificate-programs/sustainable-energy-studies/sustainable-energy-studies-as/</a> )	02472
<b>Certificate of Achievement</b>	
Sustainable Landscape Practices ( <a href="http://catalog.swccd.edu/associate-degree-certificate-programs/sustainable-energy-studies/sustainable-landscape-practices-certificate/">http://catalog.swccd.edu/associate-degree-certificate-programs/sustainable-energy-studies/sustainable-landscape-practices-certificate/</a> )	02613

Consult with a counselor to develop a Student Education Plan (SEP), which lists the courses necessary to achieve your academic goal.