

SUSTAINABLE CONSTRUCTION & ENERGY TECHNOLOGY – BUILDING EFFICIENCY & PERFORMANCE CERTIFICATE OF ACHIEVEMENT

This certificate combines competencies in sustainability, residential efficiency, and heating and cooling. The combination of these competencies prepares students for emerging opportunities in building performance auditing, retrofitting, and efficient heating and cooling. Students completing this certificate will be well positioned to gain employment or start a business in fields such as efficiency upgrade retrofitting, building performance auditing, HVAC, and related trades.

Required Courses

Course Number	Course Name	Units
SCT 162	Safety Standards for Construction	1
SCT 164	Construction Documents I - Understanding Blueprints	3
SCT 180A	Construction Fundamentals and Green Building	3
SCT 193	Building Performance and Weatherization	3
SCT 194	Efficient Heating and Cooling	3
SCT 200	Sustainability Overview	3
WEE 196	Work Experience Education	0.5 - 14

Total units required for Certificate

16.5 – 30

Program Level Student Learning Outcomes:

1. Define concepts and principles of sustainability and explain their relation to the technical trades and related career opportunities.
2. Demonstrate applied technical ability in Building Efficiency and Performance.

Career Opportunities in SUSTAINABLE CONSTRUCTION & ENERGY TECHNOLOGY

Completing the Sustainable Construction & Energy Technology - Building Efficiency and Performance Certificate of Achievement can lead to a variety of opportunities. These include careers in retrofitting, building performance auditing, efficient heating and cooling, HVAC, and related trades.