

## **SUSTAINABLE CONSTRUCTION & ENERGY TECHNOLOGY – CONSTRUCTION CERTIFICATE OF ACHIEVEMENT**

This certificate combines competencies in green building, clean technology, sustainability, and construction trade skills. The combination of these competencies prepares students for emerging opportunities in modern construction and residential remodeling and retrofitting. Students completing this certificate will be well positioned to gain employment in fields such as green building, remodeling, 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 166	Introduction to Construction Management	2
SCT 180A	Construction Fundamentals and Green Building	3
SCT 180B	Advanced Construction Fundamentals	3
SCT 200	Sustainability Overview	3
WEE 196	Work Experience Education	1 - 14

**Total units required for Certificate**

**16 – 29**

### **Program Level Student Learning Outcomes:**

1. Explain the process of building from the ground up and discuss the various trades involved in each step of the building process.
2. Define concepts and principles of sustainability and explain their relation to the technical trades and related career opportunities.
3. Practice appropriate workplace etiquette.
4. Demonstrate how to safely use basic hand and power tools.

### **Career Opportunities in SUSTAINABLE CONSTRUCTION & ENERGY TECHNOLOGY**

Completing the Sustainable Construction & Energy Technology - Construction Certificate of Achievement can lead to a variety of opportunities. These include careers in green building, residential remodeling and retrofitting, and related trades.