

# SUSTAINABLE BUILDING CONSTRUCTION – ASSOCIATE IN SCIENCE DEGREE, CERTIFICATE OF ACHIEVEMENT

Top Code:

0957.00

The Sustainable Building Construction program equips students with essential skills for pursuing a career in the fields of green building design, planning, construction and maintenance. Program curriculum will cover a contemporary range of building design strategies, sustainable development, and technologies, with an emphasis on those that reduce environmental impacts and make our buildings and communities healthier, equitable, and more livable.

A Certificate of Achievement is awarded upon completion of all required courses with a grade of C or better.

## Program Outcomes

- Describe contemporary and emerging high-performance building codes and standards.
- Recall common terminology used in energy efficiency, energy production, and renewable energy systems.
- Analyze and select sustainable materials appropriate for a specific project.
- Identify appropriate and efficient heating, cooling, and air quality control systems for a building, including heat recovery ventilation, passive, and insulation systems.
- Apply the Leadership in Energy and Environmental Design® (LEED) rating system to a building project to assess sustainability, and properly document the assessment and prepare for the LEED Green Associate Examination.

## Requirements for the Certificate of Achievement

Code	Title	Units
BLDG 212	PRINT READING FOR CONSTRUCTION	3
BLDG 213	BUILDING CONSTRUCTION CODES AND STANDARDS	3
BLDG 214	MATERIALS & PROCESSES OF CONSTRUCTION: SUB GRADE TO ROOF FRAMING	3
BLDG 222	SUSTAINABLE PLANNING AND ZONING PRINCIPLES	3
BLDG 225	GREEN BUILDING AND ENERGY EFFICIENCIES	3
DT 110	SUSTAINABLE TECHNOLOGIES	3
<b>Total Units</b>		<b>18</b>

## General Education Requirements for the Associate in Science Degree

- General Information (<https://curriculum.pasadena.edu/academic-programs-leading-degree-certificate/>)
- PCC Local Gen Ed (<https://curriculum.pasadena.edu/academic-programs-leading-degree-certificate/#pcclocaltext>)
- CSU Breadth (<https://curriculum.pasadena.edu/academic-programs-leading-degree-certificate/#csubreadthtext>)
- IGETC (<https://curriculum.pasadena.edu/academic-programs-leading-degree-certificate/#igetctext>)