

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
Total Units		18

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>)