PASADENA City College

CONSTRUCTION INSPECTION – ASSOCIATE IN SCIENCE DEGREE, CERTIFICATE OF ACHIEVEMENT

Top Code:

0957.20

The curriculum prepares students to seek employment as construction inspectors. The focus is on the responsibility and duties of construction inspectors to verify that construction projects comply with the architect's plans, local, state and international code requirements. Instruction is offered in all phases of inspections, from pre-grading and site preparation to the buildings' final inspection. Upon completion, students can apply to become Assistant Inspectors. Students with qualifying field experience can apply to become full inspectors.

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

Program Outcomes

- Identify the training/educational requirements and describe the role of the construction inspector.
- Describe and explain residential print reading and interpret the use of related local, state and international building codes used for construction.
- Explain the purpose and intent of the building, grading, mechanical, HVAC, plumbing, zoning, electrical, legal requirements and the code enforcement process.
- Understand the methods, materials and the process of construction inspections from site preparation to the final building inspection.

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 215	MATERIALS & METHODS OF CONST: FLOOR THROUGH ROOF FRAMING	3
BLDG 219	LEGAL FACTORS OF CONSTRUCTION INSPECTION	3
BLDG 221	ELEMENTS OF GRADING INSPECTION	3
BLDG 222	SUSTAINABLE PLANNING AND ZONING PRINCIPLES	3
BLDG 223	PRINCIPLES OF PLUMBING INSPECTION	3
BLDG 224	PRINCIPLES OF HEATING AND REFRIGERATION INSPECTIONS	3
ELTY 217	ELECTRICAL INSPECTION AND CODES	2
TECH 107A	TECHNICAL CALCULATIONS	3
Total Units		**32**

Recommended Electives

Code	Title	Units
FIRE 142		3

Visit the Program Mapper (https://pasadena-city.programmapper.ws/academics/interest-clusters/7e85bdcc-be06-405f-9845-b8b63e49f8c6/programs/cfd17f90-a025-bdb0-8368-a16fd095292b/) for a suggested sequence of courses.

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)