

# FENG 121 : Introduction to Building Maintenance

**Credits:** 3

**Class Hours:** 1 lecture and 4 lecture/lab

**Prerequisites:** "C" or higher or concurrent enrollment in CARP 120B.

**Description:** This course in general building and facilities maintenance covers carpentry skills in blueprint reading, measuring, framing, and exterior and roof finishes. This course also covers masonry skills in blue print reading, brick size and texture, types of walls, foundations, anchors, concrete mixes, forms, stone, and plaster. Other topics include troubleshooting, preventive maintenance, and safety.

**Semester Offered:** Fall

**Course Student Learning Outcomes (CSLOs):**

1. Evaluate the condition of various materials requiring maintenance attention.
2. Interpret the architectural scales typically used in drawings and translate them to real world measurements.
3. Demonstrate the proper selection of fasteners for a variety of typical finishes to determine those that are best suited for the task.
4. Demonstrate the proper safety precautions necessary for a given task.
5. Demonstrate the ability to read and comprehend architectural blueprints.
6. Demonstrate the ability to perform basic troubleshooting skills when assessing common materials used to complete tasks.
7. Demonstrate the ability to understand the information contained in the schedules of architectural blueprints and locate detailed information.
8. Demonstrate the ability to understand the goals of a maintenance program.
9. Demonstrate the ability to determine the correct replacement parts from operations and maintenance manuals.