

# FENG 130 : Basic Fundamentals of Air Conditioning and Refrigeration

**Credits:** 3

**Class Hours:** 2 lecture and 2 lecture/lab

**Prerequisites:** "C" or higher or concurrent enrollment in EIMT 121 or EIMT 123.

**Description:** This course offers the basic principles and fundamentals of air conditioning and refrigeration. The course is designed to expose students to the theory and methods of maintaining, diagnosing, and minor repairing of domestic and commercial air conditioning/refrigeration systems.

**Semester Offered:** Fall

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

1. Demonstrate an understanding of basic electrical theory.
2. Demonstrate an understanding on the theory of refrigeration.
3. Demonstrate an understanding of matter and energy.
4. Demonstrate an understanding of refrigerants and refrigeration.
5. Demonstrate general safety practices, including the safe handling of tools and equipment.
6. Identify tubing and piping components and their removal and installation.