The Heating, Refrigeration and Air Conditioning program prepares a student for such positions as service representative, service supervisor, estimator, system designer, and laboratory technician. Graduates assume supervisory, management and technical responsibility.

The HRA courses are part of a joint program between Mercer County Community College and the Mercer County Technical Schools.

**PROGRAM OUTCOMES**

- Perform all service functions of a graduate of the certificate program;
- Communicate effectively by oral, written, or graphic means;
- Produce basic mechanical drawings and sketches needed to communicate concepts and designs;
- Understand the laws of physics as they apply to the subject field;
- Perform computations necessary to solve basic load sizing problems;
- Apply the fundamental laws of thermodynamics and the basic principles of heat flow as they apply to HRAC;
- Determine proper air distribution in HRAC systems.

The program may be pursued part-time or full-time, but most required courses are available only in the evening.

Admission to the program requires a high school diploma or its equivalent with one year of algebra or applied mathematics.