



### Possible Employment Opportunities\*

- HVAC Mechanic, A/C Tech ◀
- HVAC Service Technician ◀
- Systems Maintenance Mechanic ◀

# HVAC/R WITH PLC

## DIPLOMA

The HVAC/R with PLC Diploma Program offers students the technical and practical knowledge and skills to perform heating, air conditioning and refrigeration maintenance, assist with installations, and repairs. Students will also learn basic skills related to the programmable logic controllers (PLCs). Graduates from this program will be able to fill positions at construction firms, as well as residential and commercial refrigeration and air conditioning companies.

### Certifications

Students are eligible to take the following certification tests:

- EPA 608 Universal
- OSHA 10 Safety

**(855) 469.6046 - [ftccollege.edu](http://ftccollege.edu)**

NUC  
UNIVERSITY



FLORIDA TECHNICAL COLLEGE



FTC is approved by State Approving Agency for Veterans' Affairs

\*These examples are intended to serve only as a general guide of possible employment opportunities. There are many factors that determine the job an individual may obtain, and Florida Technical College cannot guarantee its graduates any particular job. Some positions may require a license or other certifications. We encourage you to research the requirements for the particular position you desire. Program availability varies by campus.



**7 Florida campuses\***

\*Program availability varies by location.

# HVAC/R WITH PLC

## DIPLOMA

### Admission Requirements

- High School Diploma or a recognized equivalent.

### Duration Of Program

- **15 month**
- **92 quarter** credits

### Distribution

- 640 lecture hours
- 560 lab hours
- 1200 total contact hours

### Courses

- Safety and Craft Skills
- Applied Math for HVAC Technicians
- Introduction to Electricity (DC-AC)
- Introduction to Refrigeration and A/C
- Refrigeration and A/C: Residential & Commercial
- Heat Pumps and Related Systems
- Electrical Instrumentation: Lab
- Mechanical Instrumentation: Lab
- Residential Equipment: Lab
- Commercial A/C Equipment: Lab
- Environmental Protection Agency (EPA) Laws and Regulations
- Digital Electronics
- Programmable Logic Controller (PLC)
- Programmable Logic Controller Units: Lab



FLORIDA TECHNICAL COLLEGE

**FOLLOW US**

