



HVAC/Electricity

Instructor: Preston Reeves

Location: NTCC (Bean Center) Room T-109

About the Program

Students in this class will develop an understanding of the basics of Electricity and HVAC (Heating, Ventilation and Air Conditioning). They will learn how to install and service HVAC equipment, proper use and care of tools common to the industry, and diagnose typical HVAC system failures. They will understand how electricity works in both HVAC system components as well as common residential wiring. Curriculum topics include:

- Safety around electricity
- Correct use of tools
- How to troubleshoot HVAC equipment
- How to troubleshoot electrical wiring
- Proper refrigerant handling in accordance with EPA guidelines
- How to work with others on the job
- Certifications in HVAC & Electricity

Students in the program will have the opportunity to earn industry-recognized certificates in HVAC and Electricity. These certifications articulate to credit hours in related college degree programs or advanced placement in PSAV (Post Secondary Adult Vocational) programs. Certified program completers will be qualified to work on a service truck shortly out of high school earning more than typical entry-level wages.

The Construction Trades Advisory Board provides direction to the program. This board consists of employers and industry leaders from numerous organizations including the Nassau County Building Department, Donna Lynne Custom Homes, the Florida Department of Transportation, Lowe's, Local 234 Plumbers, Pipefitters, and HVAC Technicians Union, the Northeast Florida Builders' Association, the Florida Masonry Apprentice and Educational Foundation, Habitat for Humanity, and the International Association of Sheet Metal Workers Union. Interaction with the board helps ensure that the program delivers instruction consistent with the expectations of local employers. Many employers represented on the board offer apprenticeship programs and other employment opportunities.



About the Instructor

Preston Reeves has over 30 years of experience in the HVAC industry. Reeves is the owner and operator of Preston Reeves Heating & Air Conditioning, Inc. and a licensed Mechanical Contractor in Florida and Georgia. His personal experience as a contractor and an employer make him a valued asset to students. Passing on his knowl-

edge and skills to the next generation of technicians has given him a great deal of satisfaction.

HVAC/Electricity Program

8713010

AC, Refrigeration & Heating Tech 1
(1 Credit, Unweighted GPA)

8713020

AC, Refrigeration & Heating Tech 2
(1 Credit, Unweighted GPA)

8727210

Electricity I
(1 Credit, Unweighted GPA)

8713030

AC, Refrigeration & Heating Tech 3
(1 Credit, Unweighted GPA)



- Program available to all Nassau County high school students
- Students may earn up to six industry certifications and articulated college credit
- Successful students will earn four high school credits
- Course sequence meets the Florida Bright Futures Gold Seal Scholarship requirements
- The program features partnerships with several apprenticeship programs that provide employment and free training to successful applicants
- Students may choose to attend morning or afternoon classes

While not required, students may choose to complete additional assignments and attend additional sessions throughout the year as part of our new partnership with the Electrical Training Alliance of Jacksonville. Students that opt-in to this special program will have the opportunity to earn a preferred interview with a participating apprenticeship contractor upon graduation, earn an OSHA 10-hour certification, and if hired, begin the apprenticeship program at an advanced level.

Nassau County School Board Equity and Non-Discrimination Statement

The School Board of Nassau County, Florida, does not discriminate in admission, access, treatment or employment in its programs and educational or extra-curricular school activities on the basis of race, color, religion, age, sex, national origin, marital status, disability, genetic information, sexual orientation, gender identity or expression, or any other reason prohibited by law. The School Board also provides equal access to the Boy Scouts of America and other patriotic youth groups. The following district contacts have been designated to handle inquiries regarding non-discrimination and harassment policies, reports of alleged violations, concerns about compliance and/or the grievance procedure(s): (904) 491-9900

Lewis "Red" Bean Nassau Technical Career Center

The Nassau Technical Career Center (NTCC) is a unique partnership between the Nassau County School District and Florida State College at Jacksonville that offers both high school and college credit programs in a variety of careers. The NTCC features fully-equipped, technology-enhanced classrooms and labs. Students can receive job training, earn industry credentials, and credits toward a college degree while in high school.

