

The Career Certificate (C.C.) in Heating, Ventilation, Air-Conditioning/Refrigeration prepares students for a rewarding career in the all-encompassing HVAC/R industry.

Instruction consists of academic as well as laboratory and hands-on training designed to prepare the student to meet numerous industry standards and for practical certifications. Upon successful completion, students will be qualified for a position as an entry-level air conditioning, refrigeration, and heating technology technician. The Heating, Ventilation, Air-Conditioning/Refrigeration (HVAC/R) program provides optimal access to high quality, affordable, and relevant degree, career, and community education in a mechanical field that will enhance the lives of our students and the economic development of Northeast Florida.

<input checked="" type="checkbox"/> Task
<input type="checkbox"/> Complete an academic degree plan with your program advisor.
<input type="checkbox"/> Follow up with an advisor about any prior credits that you may have earned (e.g., coursework, military experience, work experience, licensure/certification exams, etc.).
<input type="checkbox"/> Satisfy the career certificate graduation requirements.

Career Options

You will attain the knowledge and skills needed for such career options as Air Conditioning Installer, Air Conditioning Technician, HVAC Technician/Management Trainee. Related Career Pathways include the following: HVAC Apprentice or Office Manager/Permit Processor.

Advising

(904) 633-8295 or trades@fscj.edu.

Recommended Roadmap

This roadmap provides general guidance about recommended courses. For specific guidance about your individual academic degree plan, please see an advisor. Also refer to the College Catalog for additional information. **This program is offered for full-time student enrollment.**

This roadmap has been mapped for students entering the program in the 2022-2023 academic year. Students who began the program in an earlier catalog year should visit their advisor for individual assistance.

<input checked="" type="checkbox"/>	Course: Course Title	Contact Hours	Number of Weeks Per Course	Available Modalities
<input type="checkbox"/>	ACR 0000: Introduction to HVAC/R	125	4	On-Campus
<input type="checkbox"/>	ACR 0000L: Introduction to HVAC/R Lab	125	4	On-Campus
<input type="checkbox"/>	ACR 0001: Air Conditioning and Refrigeration Theory I HVAC/R Fundamentals	125	4	On-Campus
<input type="checkbox"/>	ACR 0001L: Air Conditioning and Refrigeration Theory I HVAC/R Fundamentals Lab	125	4	On-Campus
<input type="checkbox"/>	ACR 0012: HVAC/R Service Practices	125	4	On-Campus
<input type="checkbox"/>	ACR 0012L: HVAC/R Service Practices Lab	125	4	On-Campus
<input type="checkbox"/>	ACR 0013: HVAC/R Intermediate Service Practices	125	4	On-Campus
<input type="checkbox"/>	ACR 0013L: HVAC/R Intermediate Service Practices Lab	125	4	On-Campus
<input type="checkbox"/>	ACR 0045: HVAC/R Advanced Commercial and Industrial Service Practices	175	5	On-Campus
<input type="checkbox"/>	ACR 0045L: HVAC/R Advanced Commercial and Industrial Service Practices Lab	175	5	On-Campus

Total Program Contact Hours

Students considering a Career Certificate in **Heating, Ventilation, Air-Conditioning/Refrigeration** should be aware that the program requires **1350** contact/clock hours that must be completed and documented. Students should also understand and accept the attendance requirements prior to enrolling in this Career Certificate program. This Career Certificate Heating, Ventilation, Air-Conditioning/Refrigeration clock-hour program is eligible for financial aid.

Important for You to Know

Test of Adult Basic Education: The Test of Adult Basic Education (TABE) is a major criterion in students' completion of the program. To earn the Career Certificate, students must achieve or surpass the [designated exit score\(s\) on the TABE](#) or qualify for a [TABE Waiver](#). Students with prior coursework, test scores or licensing may qualify for a [TABE Waiver](#) and can visit or contact any FSCJ [Assessment and Certification Center](#) to have the waiver processed and added to their individual student record. For students who do not meet the required TABE scores and who therefore need assistance to meet this exit requirement, the College offers remediation in basic skills through [Adult Education](#).

Related Industry Certifications

Upon completion of this program, students will be prepared for the following certifications or licenses:

- EPA 608

Program Learning Outcomes

Upon completing this program, students will be able to:

- Demonstrate proper procedures of safely removing and replacing components within commercial HVAC systems, such as fan motors, fans, electrical components and compressors
- Apply knowledge obtained from reading wire schematics, wiring diagrams and circuit blueprints in the repair of heating, ventilation, air condition and refrigeration system
- Identify, diagnose, and troubleshoot issues in residential and commercial HVAC/R systems