

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

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 HVAC Mechanics and Installers.

Note: If you are considering employment in a state other than Florida, please visit <https://www.fscj.edu/academics/license-disclose> to determine if this program will meet the selected state's requirements to sit for licensure or certification testing.

Articulation

Upon successful completion of the program, students may receive articulated college credit toward the Industrial Management Technology (A.S.) degree.

Adult Basic Skills

Adult Basic Skills are a major criterion in students' completion of the program. For additional information, please see an advisor.

Advising

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

Sample Roadmap

This roadmap provides general guidance about required courses. For specific guidance about your individual academic degree plan, please see an advisor. Also refer to the College Catalog and class schedules for additional information. Students will take courses in the order listed.

<input checked="" type="checkbox"/>	Course: Course Title	Contact Hours	Weeks Per Course
<input type="checkbox"/>	ACR 0000: Introduction to HVAC/R	125	4
<input type="checkbox"/>	ACR 0000L: Introduction to HVAC/R Lab	125	4
<input type="checkbox"/>	ACR 0001: HVAC/R Fundamentals	125	4
<input type="checkbox"/>	ACR 0001L: HVAC/R Fundamentals Lab	125	4
<input type="checkbox"/>	ACR 0012: HVAC/R Service Practices	125	4
<input type="checkbox"/>	ACR 0012L: HVAC/R Service Practices Lab	125	4
<input type="checkbox"/>	ACR 0013: HVAC/R Intermediate Service Practices	125	4
<input type="checkbox"/>	ACR 0013L: HVAC/R Intermediate Service Practices Lab	125	4
<input type="checkbox"/>	ACR 0045: HVAC/R Advanced Commercial and Industrial Service Practices	175	5
<input type="checkbox"/>	ACR 0045L: HVAC/R Advanced Commercial and Industrial Service Practices Lab	175	5

Total Program 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 program **is eligible** for financial aid.

Important for You to Know

Full-time day program classes are held Monday through Thursday, 7 a.m.-4 p.m., for 12 months. Students may begin the full-time day program in the Fall Term or Spring Term. **Part-time evening program** classes are held Monday through Thursday, 5:30 p.m.-9:30 p.m., for 24 months. The curriculum for both programs is identical.

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