



## MIAMI LAKES EDUCATIONAL CENTER AND TECHNICAL COLLEGE

is accredited by the Commission of the Council on Occupational Education, 7840 Roswell Road, Building 300, Suite 325, Atlanta, GA 30350, Telephone: 770-396-3790, [www.council.org](http://www.council.org).

### ➤ Our Vision, Mission and Core Values

**VISION:** The vision of Miami Lakes Educational Center and Technical College is to facilitate, promote and provide successful career training opportunities and high academic standards for secondary and postsecondary students designed to meet the challenges of an everchanging global economy.

**CORE VALUES:** Accountability, Citizenship, Flexibility, Integrity, Organizational and Personal Learning, Positive Atmosphere and Culture, Preparing Students, Professionalism, Pursuit of Excellence, Respect, and Valuing Stakeholders.

**MISSION:** The mission of Miami Lakes Educational Center and Technical College is to create a highly qualified future workforce by offering state-of-the-art academic, career and technical education to all generations within our community.

### THE SCHOOL BOARD OF MIAMI-DADE COUNTY, FLORIDA

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M-DCPS does not discriminate on the basis of age, citizenship status, color, disability, ethnic or national origin, Family and Medical Leave Act (FMLA), gender, gender identity/stereotypes, genetic information, linguistic preference, marital status, political beliefs, pregnancy, race, religion, retaliation, sex, sexual harassment, sexual orientation, and social and family background or any other basis prohibited by law in its educational programs, services, activities, admissions or in its hiring and employment practices. Please refer to School Board Policies 1362, 1362.02, 3362, 3362.02, 4362, 4362.02, 5517 and 5517.02 for more information. For additional information about Title IX or any other discrimination/harassment concerns, contact the U.S. Department of Education Assistant Secretary for Civil Rights and/or District Director/Title IX Coordinator, Office of Civil Rights Compliance, 155 NE 15 Street, Suite P-104E, Miami, Florida 33132; PH: 305-995-1580; E-mail: [crc@mdadeschools.net](mailto:crc@mdadeschools.net); Website: <http://hirdadeschools.net/civilrights>. The District also provides equal access to its facilities, as required by the Boy Scouts of America Equal Access Act.

# HEATING, VENTILATION, AIR CONDITIONING/ REFRIGERATION (HVAC/R) 1

THE CLIMATE IS RIGHT FOR SUCCESS



- TEACHING THE BASICS
- UPGRADING SKILLS
- IMPROVING PERFORMANCE
- PROVIDING NEW CAREER OPTIONS

## MIAMI LAKES EDUCATIONAL CENTER AND TECHNICAL COLLEGE

We provide the highest quality education so that all of our students are empowered to lead productive and fulfilling lives as lifelong learners and responsible citizens.



**305.557.1100**  
**MIAMILAKES.EDU**

# HEATING, VENTILATION, AIR CONDITIONING/ REFRIGERATION (HVAC/R) 1

## Program Objective

This program is designed to develop competencies in heating and air-conditioning system operations, start-up and troubleshooting procedures as well as electrical diagnostics, heat loads and airflow calculations.

## Program Content

The Heating, Ventilation, Air-Conditioning/Refrigeration program provides classroom and laboratory (hands-on experiences which enable students to become proficient in the installation, repair and maintenance of air conditioning, refrigeration and heating systems. The laboratory contains a variety of residential central air conditioning units and industry simulators.

Content also includes basic supervisory skills, use and care of hand tools, power tools, specialized tools and equipment, and use of current industry standards, practices and techniques. The course/program also provides supplemental training for persons previously or currently employed in these occupations.

## Admission Requirements

- ▶ 16 years of age or older and not currently enrolled in any K-12 program
- ▶ Occupational Interest

## Completion Requirements

The entire program is 750 hours, but students can earn a certificate upon completion of the following OCPs:

OCP	COURSE	HOURS
A	Introduction to HVAC/R	250
B	HVAC/R Fundamentals	250
C	HVAC/R Service Practices	250

Minimum basic-skills grade levels required for awarding a Full Program Completion Certificate are 9th grade in Reading, 10th grade in Math and 9th grade in Language on the Test of Adult Basic Education Test (TABE®) or passing the HVAC Excellence Certification. Additional information can be provided by student services.

**Students are expected to complete program competencies.**

## Employment Opportunities

- ▶ Air-Conditioning, Refrigeration and Heating Mechanics
- ▶ Mechanic Helpers
- ▶ Air-Conditioning and Heating Installer
- ▶ Warehouse & Parts Supplier
- ▶ Marine Air Conditioning Technician
- ▶ Building Maintenance Engineers
- ▶ Refrigeration Sales and Services

## Salary

According to the Bureau of Labor Statistics the average earnings in 2023 for Air Conditioning Repair Mechanic were **\$52,220** annually or **\$25.11** per hour.

## Financial Aid

Financial aid is available to those who qualify. Applicants must have a high school diploma from an accredited High School, or its equivalent. To apply, complete the Free Application for Federal Student Aid, at [www.fafsa.gov](http://www.fafsa.gov). Questions pertaining to this matter should be directed to the Financial Aid Office.

## Program Cost

- ▶ In-state residents - \$2.56 per hour (Subject to change)
- ▶ Out of state resident - \$10.25 per hour (Subject to change)
- ▶ \$20.00 application fee per trimester
- ▶ Material fee - Varies by program
- ▶ Identification fee - \$5.00 per trimester
- ▶ Students must purchase books/kits and/or uniforms, if applicable

## Program Hours

- ▶ Monday - Friday from 7:20 a.m. to 1:00 p.m.
- ▶ Monday - Thursday from 4:45 p.m. to 11:00 p.m.
- ▶ Monday - Wednesday from 6:00 p.m. to 11:00 p.m.