

## 2007-08 Catalog: Programs of Study

### Air Conditioning, Refrigeration and Heating Systems Technology

All the new construction in Florida has increased the demand for experienced and educated specialists in air conditioning, refrigeration and heating systems. The need for trained technicians who can install, repair or service air conditioning, heating and refrigeration systems is expected to grow faster than average for all occupations through his decade. This degree program prepares graduates for supervisory and/or management positions after only a few years of industry experience.

There are three options within this program:

- **Air Conditioning, Refrigeration and Heating Systems Technology** A.A.S. Degree
- **Air Conditioning, Refrigeration and Heating Systems Technician** Technical Certificate
- **Air Conditioning, Refrigeration and Heating Systems Assistant** Technical Certificate

Students have the opportunity to earn the technical certificates while completing the requirements for the degree.

### Air Conditioning, Refrigeration and Heating Systems Technician (6120)

#### Technical Certificate

This Technical Certificate will provide the essential skills and education for an entry-level service position. This certificate will also increase job skills and will complement the **Air Conditioning, Refrigeration and Heating Systems Technology** (A.A.S.) degree.

#### Career Opportunities, Rapid Placement

Florida's growth is soaring. Jacksonville is a boomtown. And much of the city and state are being built by graduates of our construction programs. The employment rate in all trades is 100%. No Florida Community College student who wants a job goes without a job.

You have the opportunity to network with major contractors and become employed while you're still in school. Florida Community College's Building Construction program has a long-standing relationship with this region's major industry organizations, such as Woods Engineering, C. Young Construction, Superior Construction, Paul Fraser Homes, Stellar Group, C & C Powerlines, Dickey Smith & Company, Miatt Construction and Accubuild Construction.

Members of the Northeast Florida Builders Association serve on our **Construction Management Advisory Council** and on advisory committees for all trades, as well as provide internships and fund annual scholarships. The advisory committees provide leadership, support and guidance for the program and support such educational activities as constructing residential projects from design to move in.

#### Annual Salaries

Starting salaries range from \$16 to \$20 an hour. Overtime, bonuses, rapid advancement and opportunities for self-employment can rapidly increase your income.

#### Articulations

All courses are directly applicable to Florida Community College's **Air Conditioning, Refrigeration and Heating Systems Technology** A.A.S. degree program.

#### Cost

Estimated cost of tuition is \$1,594 (tuition rated for Florida residents, as of 7/07). Contact the program manager for additional costs (textbooks, materials, fees).

#### Need More Information? Contact:

**Betty Sasser**, Advisor, Downtown Campus, 904.633.8454  
Or call 904.361.6353

#### Curriculum

##### Course Number and Title

##### Credits

**Professional Courses**

<b>BSC 1005</b>	Life in Its Biological Environment	3
<b>ACR 1052</b>	Air Conditioning and Refrigeration Theory I	3
<b>ACR 1170</b>	Basic Electricity and Schematics	3
<b>ACR 1420</b>	Air Conditioning and Refrigeration Theory II	3
<b>ACR 1121</b>	HVAC Controls	3
<b>ACR 1611</b>	Applied Heating I	3
<b>ACR 1616</b>	Applied Heating II	3
<b>ACR 2421</b>	Duct System Design	3
	<b>Credit Hours</b>	<b>24</b>
	<b>Total Credit Hours</b>	<b>24</b>

Please see the technical certificate **Graduation Requirements**.

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