

## 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 Technology (A120)

#### Associate in Applied Science

Air conditioning and heating of our homes and offices, and refrigeration for our perishables are important components of everyday life. This associate in applied science degree will provide the technical skills to install and maintain these systems as well as the theoretical skills to advance into administrative positions in the industry.

#### 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'll have the opportunity to network with major contractors and become employed while you're still in school. We also refer you for internships and job interviews. 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 HVAC specialty track in the **Building Construction Technology (Construction Management)** A.S. degree program.

#### Cost

Estimated cost of tuition is \$4,250 (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

<b>Course Number and Title</b>	<b>Credits</b>
<b>General Education Courses</b>	
<b>ENC 1101</b> English Composition I	3
*Humanities	3
*Mathematics	3
*Social and Behavioral Sciences	3
<b>BSC 1005</b> Life in Its Biological Environment	3
<b>Credit Hours</b>	<b>15</b>
 <b>Trade Core Courses</b>	
<b>BCN 2760</b> Construction Design and Codes	3
<b>ENC 2210</b> Technical Report Writing	3
<b>GEB 1011</b> Introduction to Business	3
<b>BCN 2732</b> OSHA Safety	3
<b>APA 1001</b> Applied Accounting	3
<b>BCN 1251</b> Construction Drawing	3
<b>BCN 2614</b> Planning and Estimating	3
<b>Credit Hours</b>	<b>21</b>
 <b>Required Professional Courses</b>	
<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 1611</b> Applied Heating I	3
<b>ACR 1121</b> HVAC Controls	3
<b>ACR 1122</b> Refrigeration Controls	3
<b>ACR 1616</b> Applied Heating II	3
<b>ACR 2421</b> Duct System Design	3
<b>ACR 1946</b> Co-op Work Experience I	2
<b>ACR 1947</b> Co-op Work Experience II	2
<b>Credit Hours</b>	<b>28</b>
 <b>Total Credit Hours</b>	 <b>64</b>

\*Refer to A.A.S. degree **General Education Requirements**.

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