

# Basic Residential Air Conditioning System Design

## Certificate Program

### BR11

Updated: 5/06/2015  
Effective Term: 201516

## Curriculum

### Program-Specific Core – Total of 16 Hours

- AIRC 1005 Refrigeration Fundamentals (4)
- AIRC 1010 Refrigeration Principles/Practices (4)
- AIRC 1020 Refrigeration Systems Components (4)
- AIRC 1060 AC System Application/Installation (4)

### Total: 16 Hours

### Program Description

The Basic Residential Air Conditioning System Design technical certificate is a series of courses designed to prepare students in the fundamentals of air conditioning design. The completion of the program will allow students to enter the field in entry level positions qualified to assist the development of air conditioning systems.

### Program Specific Information

Students are accepted every semester based on course and space availability. However, the coursework for this certificate is only offered in Spring Semester.

### Program Certification:

The Air Conditioning Technology program is accredited by:  
HVAC Excellence, 1701 Pennsylvania Ave., NW, Washington, DC 20006, Phone 800-394-5268.

### Industry Certification Preparation:

Completion of the program requires successful completion of the HVAC Excellence industry certification test(s). This testing includes a fee.

### Program Length & Availability

1 Semester

Campus Availability: Oakwood

\*This program offers day classes only.

### Admissions Requirements

- Must be 16 years of age.
- High school diploma or GED is required prior to admission.  
(Official transcripts or GED scores must be submitted from all colleges and/or high schools attended for credit.)
- ACCUPLACER Testing, or submit SAT, ACT, CPE, COMPASS, or ASSET test scores.

### Financial Aid

This program is not eligible for the Pell Grant, but may be eligible for Institutional and State Financial Aid. Contact a Financial Aid Counselor for eligibility requirements and application materials.

For more information about our graduation rates, the median debt of students who complete programs, and other important information please visit our website:  
<http://www.laniertech.edu/GE.aspx>

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