

# Air Conditioning & Refrigeration Technology

## Certificate Program

10 Courses - Total Units – 31.5

### Day Program

*Students Must Enter the Program in the Fall Semester – If the Following Courses are Taken in the Sequence Presented, the Program Can be Completed in One Academic School Year for a Certificate. Courses are usually offered in mornings and afternoons.*

#### Fall Semester – 11.0 Units – Entry Level Courses

<b>AIRC 10</b> Technical Mathematics in Air Conditioning & Refrigeration 2.0 Units	<b>AIRC 20</b> Refrigeration Fundamentals 4.0 Units	<b>AIRC 25</b> Electrical Fundamentals for Air Conditioning and Refrigeration 5.0 Units

#### Winter Intersession – 3.0 Units – Entry Level Course

<b>AIRC 12</b> Air Conditioning Codes and Standards 3.0 Units		
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#### Spring Semester – 15.5 Units

<b>AIRC 26</b> Gas Heating Fundamentals 2.0 Units	<b>AIRC 30</b> Heat Load Calculations 4.0 Units	<b>AIRC 31</b> Commercial Electric for Air Conditioning and Refrigeration 4.0 Units
<b>AIRC 32A</b> Air Properties and Distribution (first 8 weeks) 1.5 Units	<b>AIRC 34</b> Advanced Mechanical Refrigeration 4.0 Units	

#### Summer Session – 2.0 Units

<b>AIRC 11</b> Welding for Air Conditioning and Refrigeration 2.0 Units		
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*Note: Questions regarding any of the courses or sequence of courses can be answered by contacting staff or faculty listed on the semester course offering sheets. Course offerings may change due to State budget issues. Consult Instructors or Lab Technician for latest information.*

### Evening Program

*The Evening Program is Designed for Students Who Work During the Day and Can Only Take Late Afternoon or Evening Classes. The Evening Course Sequence is Under Development.*

*Note: Questions regarding any of the courses or sequence of courses can be answered by contacting staff or faculty listed on the semester course offering sheets. Course offerings subject to change at any time due to State budget cuts.*