

# AIR CONDITIONING & REFRIGERATION, TECHNICAL CERTIFICATE

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## Curriculum

The matrix below is a sample plan for all coursework required for this program.

| Course                   | Title  | Hours     |
|--------------------------|--|-----------|
| <b>Fall</b>              |  |           |
| ACR 1203                 | Fundamentals of Electricity  | 3         |
| ACR 1205                 | Tubing and Piping  | 5         |
| ACR 1301                 | Industrial Safety in Air Conditioning and Refrigeration                            | 1         |
| ACR 1302                 | Basic Compression and Refrigeration  | 2         |
| BST 1003<br>or ENGL 1013 | Business English<br>or Composition I   | 3         |
| TMAT 1203                | Technical Mathematics  | 3         |
| <b>Hours</b>             |  | <b>17</b> |
| <b>Spring</b>            |  |           |
| ACR 1222                 | Industrial Controls  | 2         |
| ACR 1503                 | Electronic Components  | 3         |
| ACR 1602                 | Schematics   | 2         |
| ACR 2102                 | Residential Systems  | 2         |
| ACR 2104                 | Heat Gain and Loss   | 4         |
| <b>Hours</b>             |  | <b>13</b> |
| <b>Summer</b>            |  |           |
| ACR 2112<br>or ACR 2122  | Air Conditioning Service<br>or Occupational Safety and Health<br>Administration-10 | 2         |
| INT 2904<br>or ACR 2994  | Internship<br>or SPECIAL TOPICS FOR AIR CONDITIONING AND<br>REFRIGERATION          | 4         |
| <b>Hours</b>             |  | <b>6</b>  |
| <b>Total Hours</b>       |  | <b>36</b> |