

AIR CONDITIONING & REFRIGERATION, TECHNICAL CERTIFICATE - FACILITIES MAINTENANCE OPTION

Curriculum

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

| Course | Title | Hours | Completed |
|-------------------|---|-----------|-----------|
| Fall | | | |
| 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 | Business English | 3 | _____ |
| WLD 1302 | Metallurgy | 2 | _____ |
| | Hours | 16 | |
| Spring | | | |
| ACR 1222 | Industrial Controls | 2 | _____ |
| ACR 1503 | Electronic Components | 3 | _____ |
| ACR 1602 | Schematics | 2 | _____ |
| TMAT 1203 | Technical Mathematics | 3 | _____ |
| FAC 2202 | Carpentry | 2 | _____ |
| FAC 2212 | Plumbing | 2 | _____ |
| | Hours | 14 | |
| Summer | | | |
| AT 2123 | INDUSTRIAL FLUID POWER | 3 | _____ |
| Approved Elective | | 3 | |
| | Hours | 6 | |
| | Total Hours | 36 | |

Suggested approved electives include:

| Code | Title | Hours |
|----------|------------------------|-------|
| AST 1004 | Gasoline Engine Theory | 4 |
| BST 1073 | Accounting | 3 |
| CRT 1124 | Painting I | 4 |

(Concurrent students who earn a Certificate of Proficiency in Construction Technology may progress to earn a Technical Certificate in Air Conditioning and Refrigeration - Facilities Maintenance Option by completing the remaining required courses below.)

| Course | Title | Hours | Completed |
|-------------|---|-----------|-----------|
| Fall | | | |
| 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 | Business English | 3 | _____ |
| WLD 1302 | Metallurgy | 2 | _____ |
| | Hours | 16 | |

Spring

| | | | |
|-----------|-----------------------|-----------|-------|
| ACR 1222 | Industrial Controls | 2 | _____ |
| ACR 1503 | Electronic Components | 3 | _____ |
| ACR 1602 | Schematics | 2 | _____ |
| TMAT 1203 | Technical Mathematics | 3 | _____ |
| | Hours | 10 | |
| | Total Hours | 26 | |