

AIR CONDITIONING & REFRIGERATION PROGRAM

ASSOCIATE OF APPLIED SCIENCE IN AIR CONDITIONING & REFRIGERATION

Curriculum

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

1st Semester

| Course Number and Name | Credits |
|--|-----------|
| 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 |
| ENGL 1013 | 3 |
| TMAT 1203 Technical Mathematics | 3 |
| Total Hours | 17 |

2nd Semester

| Course Number and Name | Credits |
|--------------------------------|-----------|
| 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 |
| ENGL 1023 | 3 |
| Total Hours | 16 |

3rd Semester

| Course Number and Name | Credits |
|---|-----------|
| Any Approved Social Science ¹ | 3 |
| ACR 2112 Air Conditioning Service | 2 |
| ACR 2134 Boiler Operations | 4 |
| BST 1303 Introduction to Computers or CIS 1113 Fundamental Computer Operation | 3 |
| Total Hours | 12 |

4th Semester

Air Conditioning & Refrigeration Program

| Course Number and Name | Credits |
|--|-----------|
| ACR 2114 Commercial Refrigeration | 4 |
| ACR 2124 Sheet Metal | 4 |
| INT 2904 Internship | 4 |
| WLD 1403 Welding for Trades and Industry | 3 |
| Total Hours | 15 |

¹See appropriate alternatives or substitutions in "General Education Requirements".

*Usually offered in Summer