

**Program Curriculum for Heating, Ventilation, Air Conditioning, Refrigeration
Technology**

| <u>Se m.</u> | <u>Dept.</u> | <u>Course_#</u> | <u>Course Title</u> | <u>Course_Cred its</u> | <u>General Education_Cre dits</u> | <u>Program_Cre dits</u> |
|------------------|--------------|------------------|--|----------------------------|---|-----------------------------|
| 1 | HVAC | 122 | OSHA Electrical & Construction Safety | 1.5 | | |
| 1 | HVAC | 126 | Electrical Fundamental s for HVAC | 1 | | |
| 1 | HVAC | 130 | Electrical Components | 1 | | |
| 1 | HVAC | 134 | Electrical Circuits | 1 | | |
| 1 | HVAC | 138 | Lab Practice I: Electrical Applications | 2 | | |
| 1 | HVAC | 142 | HVAC Installation: Procedures | 1.5 | | |
| 1 | HVAC | 146 | Lab Practice II: Installation Applications | 2 | | |
| 1 | HVAC | 150 | Principles of Refrigeration | 3 | | 13 |
| 1 | ENG | 106 | English Composition | 3 | | |
| 1 | MATH | 131 - or- 126 | Elective | 3 | 6 | |
| 2 | HVAC | 155 | Residential Heating Systems | 2 | | |

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| 2 | HVAC | 160 | Lab Practice III: Heating Applications | 2 | | |
| 2 | HVAC | 167 | Refrigeration System Components | 2 | | |
| 2 | HVAC | 170 | Lab Practice IV: Cooling Applications | 2 | | |
| 2 | HVAC | 180 | Mechanical Codes for HVAC/R | 1 | | 11 |
| 2 | MATH | 132 - or- higher | Elective | 3 | | |
| 2 | ENG | 221 | Public Speaking -or- | 3 | | |
| 2 | ENG | 216 | Technical Report Writing | 3 | 6 | |
| 3 | HVAC | 206 | Air Conditioning Systems | 4 | | |
| 3 | HVAC | 211 | Heat Pump Systems | 3 | | |
| 3 | HVAC | 216 | Systems Installation and Start Up | 3 | | |
| 3 | HVAC | 221 | Commercial Refrigeration | 3 | | 13 |
| 3 | CIS | 105 - or- 111 | Elective | 3 | | |
| 3 | SCI | | Science Elective | 3 | 6 | |
| 4 | HVAC | 256 | Load Calculations | 3 | | |
| 4 | HVAC | 261 | Controls of HVAC | 3 | | |

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| 4 | HVAC | 266 | Ventilation | 3 | | |
| 4 | HVAC | 271 | System Servicing and Troubleshooting | 3 | | 12 |
| 4 | HUMANITIES | | General Education Elective | 3 | 3 | |
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| Add. Gen. Ed. | HEALTH | 106 -or- 111 | Elective | 1 | | |
| Add. Gen. Ed. | ELECTIVE | | General Studies Elective | 3 | 4 | |
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| | | | TOTAL CREDITS | 75 | | |