

Air Conditioning, Heating and Refrigeration Technology

Air Conditioning, Heating and Refrigeration Technology (A35100)

Degree Awarded

An A.A.S. Degree in Air Conditioning, Heating and Refrigeration Technology is awarded by the college upon completion of this program.

Admissions

- Completion of a high school diploma is required for entering A.A.S. program.
- Many courses have prerequisites or co-requisites; check the Courses section for details.

Contact Information

The Air Conditioning, Heating and Refrigeration Technology program is in the Skilled Trades Division. For more information, contact the Program Chair at 704.330.2722, ext. 7431, or the Skilled Trades division at 704.330.4424.

General Education Requirements

| | | |
|------------------------------------|---------------------------------------|-----|
| ENG 111 | Writing and Inquiry | 3.0 |
| COM 231 | Public Speaking | 3.0 |
| Take 1 course from the following: | | 3.0 |
| MAT 110 | Mathematical Measurement and Literacy | |
| MAT 171 | Precalculus Algebra | |
| Select 3 credits of the following: | | 3.0 |
| ECO 251 | Principles of Microeconomics | |
| ECO 252 | Principles of Macroeconomics | |
| HIS 111 | World Civilizations I | |
| HIS 112 | World Civilizations II | |
| HIS 131 | American History I | |
| HIS 132 | American History II | |
| POL 120 | American Government | |
| PSY 150 | General Psychology | |
| SOC 210 | Introduction to Sociology | |
| Select 3 credits of the following: | | 3.0 |
| ART 111 | Art Appreciation | |
| ART 114 | Art History Survey I | |
| ART 115 | Art History Survey II | |
| DRA 111 | Theatre Appreciation | |
| HUM 120 | Cultural Studies | |
| HUM 130 | Myth in Human Culture | |
| MUS 110 | Music Appreciation | |
| MUS 112 | Introduction to Jazz | |
| PHI 215 | Philosophical Issues | |

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| PHI 240 | Introduction to Ethics | |
| REL 110 | World Religions | |
| Major Requirements | | |
| ACA 122 | College Transfer Success | 1.0 |
| AHR 110 | Introduction to Refrigeration | 5.0 |
| AHR 111 | HVACR Electricity | 3.0 |
| AHR 112 | Heating Technology | 4.0 |
| AHR 113 | Comfort Cooling | 4.0 |
| AHR 213 | HVACR Building Code | 2.0 |
| AHR 114 | Heat Pump Technology | 4.0 |
| AHR 115 | Refrigeration Systems | 2.0 |
| AHR 211 | Residential System Design | 3.0 |
| AHR 235 | Refrigeration Design | 3.0 |
| AHR 212 | Advanced Comfort Systems | 4.0 |
| Other Major Requirements | | |
| AHR 130 | HVAC Controls | 3.0 |
| AHR 160 | Refrigerant Certification | 1.0 |
| AHR 180 | HVACR Customer Relations | 1.0 |
| AHR 255 | Indoor Air Quality | 2.0 |
| AHR 215 | Commercial HVAC Controls | 2.0 |
| Technical Electives | | |
| Select 6 credits of the following: | | 6.0 |
| BPR 130 | Print Reading-Construction | |
| WOL 110 | Basic Construction Skills | |
| ELC 113 | Residential Wiring | |
| WBL 111 | Work-Based Learning I | |
| WBL 112 | Work-Based Learning II | |
| ELC 125 | Diagrams and Schematics | |
| WLD 112 | Basic Welding Processes | |
| BUS 230 | Small Business Management | |
| Total Credits | | 65 |