

AIR CONDITIONING TECHNOLOGY
Heating, Ventilation, and Air Conditioning Mechanic
Diploma

Academic Plan Code

4702014009

| | | | |
|---|--------------|--------------|-----------------|
| Contact Information: Greg Potts | | | |
| greg.potts@kctcs.edu | | 270-856-2409 | |
| Student Name | | Student ID# | |
| Course | Hours | Grade | Semester |
| GENERAL EDUCATION | | | |
| Area 1: Written Communication, Oral Communications, or Humanities/Heritage | 3 | | |
| Area 2: Social/Behavioral Sciences, Natural Sciences, or Quantitative Reasoning | 3 | | |
| Subtotal | 6 | | |
| TECHNICAL COURSES | | | |
| Digital Literacy course or demonstrated competency | 0-3 | | |
| ACR 100 Refrigeration Fundamentals | 3 | | |
| ACR 101 Refrigeration Fundamentals Lab | 2 | | |
| ACR 102 HVAC Electricity AND | 3 | | |
| ACR 103 HVAC Electricity Lab OR | 2 | | |
| Comparable Electrical Course* | (4-5) | | |
| ACR 130 Electrical Components | 3 | | |
| ACR 131 Electrical Components Lab | 2 | | |
| ACR 170 Heat Load/Duct Design OR | 3 | | |
| ACR 209 Manual N Commercial Load Calculations & Design | (4) | | |
| ACR 250 Cooling and Dehumidification | 3 | | |
| ACR 251 Cooling and Dehumidification Lab | 2 | | |
| ACR 260 Heating and Humidification | 3 | | |
| ACR 262 Heating and Humidification Lab | 2 | | |
| ACR 270 Heat Pump Application AND | 3 | | |
| ACR 271 Heat Pump Application Lab OR | 2 | | |
| ACR 207 Commercial HVAC Systems | (5) | | |
| ACR 291 Special Problems OR | 1 | | |
| ACR 298 Practicum | (2) | | |
| Electives ** | 8-11 | | |
| Subtotal | 41-50 | | |
| Total Credits | 47-56 | | |
| *Comparable Electrical Courses. | | | |
| *EET 154 Electrical Construction I AND | 2 | | |
| *EET 155 Electrical Construction I Lab OR | 2 | | |
| *ETT 112 Basic Electrical Theory: Telenetworking AND | 3 | | |
| *ETT 113 Basic Electrical Theory Lab OR | 1 | | |
| *ENGT 110 Circuits I OR | 5 | | |
| *IMT 110 Industrial Maintenance Electrical Principles AND | 3 | | |
| *IMT 111 Industrial Maintenance Electrical Principles Lab | 2 | | |
| OR Consent of the instructor | | | |

Revised Date: 11/16/2017

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KENTUCKY COMMUNITY & TECHNICAL COLLEGE SYSTEM

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| Spring or Summer Semester | | |
|---|---|--------------|
| Course No. | Course Title | Credit Hours |
| | Area 1: Written Communication, Oral Communications, or Humanities/Heritage | 3 |
| | Area 2: Social/Behavioral Sciences, Natural Sciences, or Quantitative Reasoning | 3 |
| | Digital Literacy course or demonstrated competency | 0-3 |
| | Subtotal | 6-9 |
| Fall Semester | | |
| Course No. | Course Title | Credit Hours |
| ACR 100 | Refrigeration Fundamentals | 3 |
| ACR 101 | Refrigeration Fundamentals Lab | 2 |
| ACR 102 | HVAC Electricity AND | 3 |
| ACR 103 | HVAC Electricity Lab OR Comparable Electrical Course* | 2 (4-5) |
| ACR 130 | Electrical Components | 3 |
| ACR 131 | Electrical Components | 2 |
| | Approved Electives ** | 3 |
| | Subtotal | 17-18 |
| Spring Semester | | |
| Course No. | Course Title | Credit Hours |
| ACR 250 | Cooling and Dehumidification | 3 |
| ACR 251 | Cooling and Dehumidification Lab | 2 |
| ACR 260 | Heating and Humidification | 3 |
| ACR 262 | Heating and Humidification Lab | 2 |
| ACR 270 | Heat Pump Application AND | 3 |
| ACR 271 | Heat Pump Application Lab OR | 2 |
| ACR 207 | Commercial HVAC Systems | (5) |
| | Subtotal | 15 |
| Summer Semester | | |
| Course No. | Course Title | Credit Hours |
| ACR 170 | Heat Load/Duct Design OR | 3 |
| ACR 209 | Manual N Commercial Load Calculations & Design | (4) |
| ACR 291 | Special Problems OR | 1 |
| ACR 298 | Practicum | (2) |
| | Electives ** | 5-8 |
| | Subtotal | 9-14 |
| | Grand Total | 47-56 |
| *Comparable Electrical Courses: | | |
| *EET 154 Electrical Construction I AND | | 2 |
| *EET 155 Electrical Construction I Lab OR | | 2 |
| *ETT 112 Basic Electrical Theory: Telenetworking AND | | 3 |
| *ETT 113 Basic Electrical Theory Lab OR | | 1 |
| *ELT 110 Circuits I OR | | 5 |
| *IMT 110 Industrial Maintenance Electrical Principles AND | | 3 |
| *IMT 111 Industrial Maintenance Electrical Principles Lab | | 2 |
| OR Consent of Instructor | | |

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| | | |
|---------|------------------------------------|-----|
| ACR 290 | Journeyman Preparation | 3 |
| BRX 120 | Basic Blueprint Reading OR | 3 |
| BRX 220 | Blueprint Reading for Construction | (3) |
| ISX 101 | Introduction to Industrial Safety | 3 |

Program Coordinator Notes: The Air Conditioning Technology program is formatted so that students complete the curriculum in one year. Students are only admitted in the fall. It is the ultimate responsibility of the student to stay current with the curriculum requirements.