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**Heating, Ventilation and Air Conditioning Mechanic**

**Diploma Program Code: 4702014009**

**Program Coordinator: John Christiansen E-mail: john.christiansen@kctcs.edu Phone: 859-246-6775**

**Program Website: https://bluegrass.kctcs.edu/education-training/program-finder/air-conditioning-technology.aspx**

**Student Name: Student ID:**

***Students need to be at KCTCS placement levels for all courses***

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| **First Semester** | **Credits** | **Term** | **Grade** | **Prereqs/Notes** |
| ACR 100 Refrigeration Fundamentals | 3 |  |  |  |
| ACR 101 Refrigeration Fundamentals Lab | 2 |  |  |  |
| ACR 102 HVAC Electricity | 3 |  |  |  |
| ACR 103 HVAC Electricity Lab | 2 |  |  |  |
| CIT 105 Introduction to Computers | 3 |  |  |  |
| **Total Semester Credit Hours** | **13** |  |  |  |

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| **Second Semester** | **Credits** | **Term** | **Grade** | **Prereqs/Notes** |
| ACR 130 Electrical Components | 3 | Spring |  | ACR 102/103 |
| ACR 131 Electrical Components Lab | 2 | Spring |  | ACR 102/103 |
| ACR 170 Heat Load/Duct Design | 3 | Spring |  |  |
| ACR 260 Heating & Humidification | 3 | Spring |  | ACR 102/103 |
| ACR 262 Heating & Dehumidification Lab | 2 | Spring |  | ACR 102/103 |
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| **Total Semester Credit Hours** | **13** |  |  |  |

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| **Third Semester** | **Credits** | **Term** | **Grade** | **Prereqs/Notes** |
| ACR 250 Cooling & Dehumidification | 3 | Fall |  | ACR 100/101 |
| ACR 251 Cooling & Dehumidification Lab | 2 | Fall |  | ACR 100/101 |
| ACR 270 Heat Pump Application | 3 | Fall |  | ACR 100/101, ACR 102/103, ACR 250/251 |
| ACR 271 Heat Pump Application Lab | 2 | Fall |  | ACR 100/101, ACR 102/103, ACR 250/251 |
| ACR 290 Journeyman Preparation | 3 | Fall |  | Cap Stone |
| ACR 291 Special Problems | 1 | Fall |  | Instructor Permission |
| **Total Semester Credit Hours** | **14** |  |  |  |

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| **Fourth Semester** | **Credits** | **Term** | **Grade** | **Prereqs/Notes** |
| General Education Area 1 | 3 |  |  |  |
| General Education Area 2 | 3 |  |  |  |
| Approved Technical Electives | 5-8 |  |  | See KCTCS Catalog for approved electives |
| **Total Semester Credit Hours** | **11-14** |  |  |  |

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| **Total Credential Hours** | **51-54** |  |  |  |

***Note: 25% of Total Program Credit Hours must be earned at Bluegrass Community and Technical College***

**Advisor Name: Advisor Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Student Name: Student Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| **Special Instructions:** |
| Technical Courses Approved by the Program Coordinator  ***Students in the Air Conditioning Technology program must achieve a minimum grade of “C” in each technical course including technical electives.***  General Education:  Area 1: Written Communication, Oral Communications, OR Humanities/Heritage  Area 2: Social/Behavioral Sciences, Natural Sciences OR Quantitative Reasoning  NOTE: Quantitative reasoning can be satisfied by the following courses:  MAT 105, MAT 110, MAT 116, MAT 126 or Higher-Level Math |

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| **Course Rotation Schedule (if applicable)** | |
|  | **This rotation is for fulltime day students seeking a diploma** |
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| Spring | ACR 130, ACR 131, ACR 170, ACR 260, and ACR 262 are only offered during the Spring semester. |
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| Fall | ACR 250, ACR 251, ACR 270, ACR 271, ACR 290, and ACR 291 are only offered during the Fall semester. |
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