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**Domestic Air Conditioner and Furnace Installer Certificate**

**Certificate Program Code: 4702013029**

**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 |  |  |  |
| **Total Semester Credit Hours** | **10** |  |  |  |

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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 |
| **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 |
| **Total Semester Credit Hours** | **13** |  |  |  |

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| **Total Credential Hours** | **36** |  |  |  |

***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.*** |

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| **Course Rotation Schedule (if applicable)** | |
|  | This rotation is for fulltime day students |
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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, and ACR 290 are only offered during the Fall semester. |
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