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**Air Conditioning Technology – Refrigeration Mechanic**

**Certificate**

**Program Coordinator: John Christiansen E-mail:** [**john.christiansen@kctcs.edu**](mailto: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 must meet college readiness benchmarks as identified by the Council on Postsecondary Education or remedy the identified skill deficiencies.***

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| **First Semester** | **Credit**  **Hours** | **Term** | **Grade** | **Prerequisites** | **Notes** |
| ACR 100 Refrigeration Fundamentals | 3 |  |  | Coreq: ACR 101 |  |
| ACR 101 Refrigeration Fundamentals Lab | 2 |  |  | Coreq: ACR 100 |  |
| ACR 102 HVAC Electricity | 3 |  |  | Coreq: ACR 103 |  |
| ACR 103 HVAC Electricity Lab | 2 |  |  | Coreq: ACR 102 |  |
| **Total Semester Credit Hours** | **10** |  |  |  |

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| **Second Semester** | **Cr. Hrs.** | **Term** | **Grade** | **Prerequisites** | **Notes** |
| ACR 130 Electrical Components | 3 | Spring |  | ACR 102, Coreq: ACR 131 |  |
| ACR 131 Electrical Components Lab | 2 | Spring |  | ACR 102, Coreq: ACR 130 |  |
| **Total Semester Credit Hours** | **5** |  |  |  |

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| **Summer 6-week Term** | **Cr. Hrs.** | **Term** | **Grade** | **Prerequisites** | **Notes** |
| ACR 200 Commercial Refrigeration | 3 | Summer |  | ACR 100+101, Coreq: ACR 201 |  |
| ACR 201 Commercial Refrigeration Lab | 2 | Summer |  | ACR 100+101, Coreq: ACR 200 |  |
| **Total Semester Credit Hours** | **5** |  |  |  |

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| **Third Semester** | **Cr. Hrs.** | **Term** | **Grade** | **Prerequisites** | **Notes** |
| ACR 210 Ice Machines | 3 | Fall |  | ACR 100 and ACR 102 |  |
| ACR 250 Cooling and Dehumidification | 3 | Fall |  | ACR 100+101, Coreq: ACR 251 |  |
| ACR 251 Cooling and Dehumidification Lab | 2 | Fall |  | ACR 100+101, Coreq: ACR 250 |  |
| **Total Semester Credit Hours** | **8** |  |  |  |
| **Total Certificate Credit Hours** | **28** |  |  |  |  |

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| * **25% or more of Total Certificate Credit Hours must be earned at BCTC** * **Grade of C or higher in each course required for the certificate** |

**Graduation Requirements:**

**Advisor Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Advisor Contact \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| **Course Rotation Schedule** | |
| Fall | ACR 100 and ACR 101, ACR 102 and ACR 103, ACR 210, ACR 250 and ACR 251 |
| Spring | ACR 100 and ACR 101, ACR 102 and ACR 103, ACR 130 and ACR 131 |
| Summer | ACR 200 and ACR 201 |

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| **Embedded Credential** | | | |
| **Credential** | **Title** | **Requirements** | **Total Credit Hours** | |
| Certificate | Environmental System Repair Helper | ACR 100, ACR 101, ACR 102, ACR 103 | 10 | |