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**Welding Technology (4805084029)**

**Combination Welder Diploma**

**Program Coordinator: Bobby Coffey E-mail: bobby.coffey@kctcs.edu Phone: 859-246-6888**

**Program Website:** [**https://bluegrass.kctcs.edu/education-training/program-finder/welding-technology.aspx**](https://bluegrass.kctcs.edu/education-training/program-finder/welding-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** |
| WLD 100 Oxy-Fuel Systems **AND** | 2 |  |  |  |
| WLD 101 Oxy-Fuel Systems Lab | 2 |  |  |  |
| WLD 120 Shielded Metal Arc Welding **AND** | 2 |  |  |  |
| WLD 121 Shield Metal Arc Welding Fillet Lab **AND** | 3 |  |  |  |
| WLD 123 Shield Metal Arc Welding Groove Lab | 3 |  |  |  |
| MAT 116 Technical Mathematics | 3 |  |  |  |
| ENG 101 Writing I  | 3 |  |  |  |
| **Total Semester Credit Hours** | **18** |  |  |  |

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| **Second Semester** | **Credits** | **Term** | **Grade** | **Prereqs/Notes** |
| WLD 130 Gas Tungsten Arc Welding | 2 |  |  | Students must be enrolled in WLD 130, WLD 131 and WLD 133 during the same semester.  |
| WLD 131 Gas Tungsten Arc Welding Fillet Lab | 3 |  |  |  |
| WLD 133 Gas Tungsten Arc Welding Groove Lab | 3 |  |  |  |
| WLD 170 Blueprint Reading for Welders | 2 |  |  | Students must be enrolled in WLD 170 and WLD 171 during the same semester. |
| WLD 171 Blueprint Reading for Welders Lab | 3 |  |  |  |
| Computer/Digital Literacy | 3 |  |  |  |
| **Total Semester Credit Hours** | **16** |  |  |  |

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| **Third Semester** | **Credits** | **Term** | **Grade** | **Prereqs/Notes** |
| WLD 140 Gas Metal Arc Welding | 2 |  |  | Students must be enrolled in WLD 140, WLD 141 and WLD 143 during the same semester. |
| WLD 141 Gas Metal Arc Welding Fillet Lab | 3 |  |  |  |
| WLD 143 Gas Metal Arc Welding Groove Lab | 3 |  |  |  |
| WLD 220 Welding Certification | 2 |  |  | Students must be enrolled in WLD 220 and WLD 221 during the same semester. |
| WLD 221 Welding Certification Lab | 3 |  |  |  |
| WLD 298 Welding Practicum or Co-op | 1-4 |  |  |  |
| Technical Elective | 2-3 |  |  |  |
| **Total Semester Credit Hours** | **16** |  |  |  |
| **Total Credential Hours** | **47-55** |  |  |  |

***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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| **Approved Technical Electives** |
| WPP 200 Workplace Principles  | WLD 253 Pipe Fitting and Template Development Lab |
| WLD 151 Basic Welding A | WLD 229 Shielded Metal Arc Welding Pipe Lab B |
| WLD 161 Submerged Arc Welding  | WLD 239 Orbital Tube Welding |
| WLD 181 Advanced Welding Systems | WLD 240 Materials Technology |
| WLD 191 Plasma Arc Welding Systems Lab | BEX 100 Basic Electricity for Non-Majors |
| WLD 147 Flux Cored Arc Welding  | BEX 101 Basic Electricity Lab for Non-Majors |
| WLD 145 Gas Metal Arc Welding Aluminum  | FEX 100 Fundamentals of Electricity for Non-Majors |
| WLD 251 Welding Automation  |  |

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| **Special Instructions:** |
| Math requirements can be satisfied by the following courses: MAT 110, MAT 146, MAT 150 or MA 109. Digital Literacy/Computer Literacy requirements can be satisfied by the following courses: CAD 103, CIT 105, DLC 100, IMD 100, OST 105, or VCC 150. Other Technical Elective courses may be approved at the discretion of the Program Coordinator. |