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**Welding Technology – AWS National Skills Standards Level I**

**Certificate**

**Program Coordinator: Shawn Gannon E-mail:** **shawn.gannon@kctcs.edu** **Phone: 859-246-6777**

**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 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** |
| WLD 100 Oxy-Fuel Systems | 2 |  |  | Coreq: WLD 101 |  |
| WLD 101 Oxy-Fuel Systems Lab | 2 |  |  | Coreq: WLD 100 |  |
| WLD 120 Shielded Metal Arc Welding | 2 |  |  | Coreq: WLD 121 | Students must be enrolled in WLD 120, WLD 121 and WLD 123 during the same semester. |
| WLD 121 Shielded Metal Arc Welding Fillet Lab | 3 |  |  | Coreq: WLD 120 |
| WLD 123 Shielded Metal Arc Welding Groove with Backing Lab | 3 |  |  |  |
| **Total Semester Credit Hours** | **12** |  |  |  |

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| **Second Semester** | **Cr. Hrs.** | **Term** | **Grade** | **Prerequisites** | **Notes** |
| WLD 130 Gas Tungsten Arc Welding | 2 |  |  | Coreq: WLD 131 | 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 |  |  | Coreq: WLD 130 |
| WLD 133 Gas Tungsten Arc Welding Groove Lab | 3 |  |  |  |
| WLD 170 Blueprint Reading for Welding | 2 |  |  | Coreq: WLD 171 |  |
| WLD 171 Blueprint Reading for Welding Lab | 3 |  |  | Coreq: WLD 170 |  |
| **Total Semester Credit Hours** | **13** |  |  |  |

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| **Third Semester** | **Cr. Hrs.** | **Term** | **Grade** | **Prerequisites** | **Notes** |
| WLD 140 Gas Metal Arc Welding | 2 |  |  | Coreq: WLD 141 | 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 |  |  | Coreq: WLD 140 |
| WLD 143 Gas Metal Arc Welding Groove Lab | 3 |  |  |  |
| **Total Semester Credit Hours** | **8** |  |  |  |
| **Total Certificate Credit Hours** | **33** |  |  |  |

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| * **25% or more of Total Certificate Credit Hours must be earned at BCTC**
* **Cumulative GPA must be 2.0 or higher**
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**Graduation Requirements:**

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

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| **Embedded Credentials** |
| Credential | Title | Requirements | Total Cr. Hrs. |
| Certificate | ARC Welder | WLD 100, WLD 101, WLD 120, WLD 121, WLD 130, WLD 131, WLD 140, WLD 141, WLD 170, WLD 171 | 24 |
| Certificate | Gas Metal Arc Welder  | WLD 100, WLD 101, WLD 140, WLD 141, WLD 143, WLD 170, WLD 171 | 17 |
| Certificate | Gas Tungsten Arc Welder | WLD 100, WLD 101, WLD 130, WLD 131, WLD 133, WLD 170, WLD 171 | 17 |
| Certificate | Gas Welder | WLD 100, WLD 101 | 4 |
| Certificate | Production Line Welder | WLD 100, WLD 101, WLD 120, WLD 121, WLD 130, WLD 131, WLD 140, WLD 141 | 19 |
| Certificate | Shielded Metal Arc Welder | WLD 100, WLD 101, WLD 120, WLD 121, WLD 123, WLD 170, WLD 171 | 17 |
| Certificate | Tack Welder | (WLD 120 and WLD 121) or (WLD 130 and WLD 131) or (WLD 140 and WLD 141), WLD 170, WLD 171 | 10 |
| Certificate  | Welder Helper | (WLD 100 and WLD 101) or (WLD 120 and WLD 121) or (WLD 130 and WLD 131) or (WLD 140 and WLD 141),  | 5 |