[Welding Technology – AWS National Skills Standards Level I](https://bluegrass.kctcs.edu/education-training/program-finder/welding-technology.aspx)

Certificate

Coordinator: Shawn Gannon ([shawn.gannon@kctcs.edu](mailto:shawn.gannon@kctcs.edu)) 859-246-6777

Student Name: Student ID:

*Students must meet college readiness benchmarks as identified by the Council on Postsecondary Education or remedy the identified skill deficiencies.*

Semester 1

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Courses | Cr. Hrs. | 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 |  |  | WLD 120 Coreq: WLD121 AND WLD 123 |  |
| WLD 121 Shielded Metal Arc Weld Fillet Lab | 3 |  |  |  |  |
| WLD 123 Shield Metal Groove/Backing Lab | 3 |  |  |  |  |
| Total Semester Credit Hours | 12 |  |  |  |  |

Semester 2

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Courses | Cr. Hrs. | Term | Grade | Prerequisites | Notes |
| WLD 130 Gas Tungsten Arc Welding | 2 |  |  | WLD 130 Coreq: WLD 131 AND WLD 133 |  |
| WLD 131 Gas Tungsten Arc Weld Fillet Lab | 3 |  |  |  |  |
| WLD 133 Gas Tung. Arc Weld Groove Lab | 3 |  |  |  |  |
| WLD 170 Blueprint Reading for Welding | 2 |  |  | WLD 170 Coreq: WLD171 |  |
| WLD 171 Blueprint Reading for Welding Lab | 3 |  |  |  |  |
| Total Semester Credit Hours | 13 |  |  |  |  |

Semester 3

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Courses | Cr. Hrs. | Term | Grade | Prerequisites | Notes |
| WLD 140 Gas Metal Arc Welding | 2 |  |  | WLD 140 Coreq: WLD 141 AND WLD 143 |  |
| WLD 141 Gas Metal Arc Welding Fillet Lab | 3 |  |  |  |  |
| WLD 143 Gas Metal Arc Welding Groove Lab | 3 |  |  |  |  |
| Total Semester Credit Hours | 17 – 20 |  |  |  |  |
| Total Certificate Credit Hours | 48 – 54 |  |  |  |  |

**Graduation Requirements:**

* 25% or more of Total Certificate Credit Hours must be earned at BCTC.
* Cumulative GPA must be 2.0 or higher.

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

**Embedded Credentials**

|  |  |  |  |
| --- | --- | --- | --- |
| Credential | Title | Requirements | Total Cr. Hours |
| 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 151, WLD 170, WLD 171 | 7 |
| Certificate | Welder Helper | WLD 120, WLD 121 | 5 |

**Certificate Requirements:**

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

*Reviewed by: Shawn Gannon Effective Term: Fall 2021*

*Review Date: 03-10-2021*