Ashland Community & Technical College

# WELDING TECHNOLOGY
# Program Check Sheet

Student Name: _____ ID #: _____ Semester Entered: _____

| Catalog Number | Course Title | Cr Hrs | AAS DEGREE General Occupational/ Technical Studies Electives Required 3099997017 / 480508000 Required | Term | DIPLOMA Combination Welder Electives Required 4805084029 Required | Term |
|---|---|---|---|---|---|---|
| WLD 120 | Shielded Metal Arc Welding | 2.0 | * | | * | |
| WLD 121 | SMAW-Fillet Lab | 3.0 | * | | * | |
| ^ WLD 123 | SMAW Grove Welds/Backing | 3.0 | * | | * | |
| WLD 140 | Gas Metal Arc Welding | 2.0 | * | | * | |
| WLD 141 | GMAW-Fillet lab | 3.0 | * | | * | |
| WLD 143 | GMAW-Groove Lab | 3.0 | * | | * | |
| ^ WLD 100 | Oxy-Fuel Systems | 2.0 | * | | * | |
| ^ WLD 101 | Oxy-Fuel Systems Lab | 2.0 | * | | * | |
| WLD 170 | Blueprint Reading for Welding | 2.0 | * | | * | |
| WLD 171 | Blueprint Reading Welding Lab | 3.0 | * | | * | |
| ^ WLD 298 | Welding Practicum | 1 - 6 | | | * | |
| WLD 130 | Gas Tungsten Arc Welding | 2.0 | * | | * | |
| WLD 131 | Gas Tungsten Arc-Fillet Lab | 3.0 | * | | * | |
| WLD 133 | GTAW-Groove Lab | 3.0 | * | | * | |
| WLD 220 | Welding Certification | 2.0 | * | | * | |
| WLD 221 | Welding Certification Lab | 3.0 | * | | * | |
| | Elective | 2 - 3 | * | | * | |
| | Elective | +7 | * | | | |
| ENG 101 | Writing I | 3.0 | * | | * | |
| | Science | 3.0 | * | | | |
| | Social Interaction | 3.0 | * | | | |
| | Heritage / Humanities | 3.0 | * | | | |
| | Computer Literacy | 3.0 | * | | * | |
| | + Mathematics ^ (**See Note**) | 3.0 | * | | * | |
| | | | | | | |
| | **TOTAL CREDIT HOURS** | | **60-68** | | **47-57** | |

**^ Indicates course substitutions** *** Indicates required courses for the Diploma or Degree**

**# See your advisor to select the appropriate General Ed. courses for the AAS / GOTS Degree requirements**

+ MAT 055 (Pre-Algebra) and MAT 065 (Basic Algebra with Measurements) is offered as a prerequisite to math MAT 110 & MAT 116.

+ MAT 055 and/or MAT 065 math requirement will be determined by the KCTCS placement examination.

**COURSE SUBSTITUTIONS FOR DIPLOMA**

^ WLD 225 may be substituted for WLD 123
^ WLD 299 may be substituted for WLD 298
^ WLD 110 / 111 may be substituted for WLD 100/101
^ Mathematics- -MAT 110, MAT 116, MAT 146 or MAT 150
^ ENG 101 can be substituted for TEC 200

**ELECTIVE REQUIREMENTS**

**For Degree**-- select a minimum of 9 credit hours from the Welding Technology Elective List.

**For Diploma**--select a minimum of 2 credit hours from the Welding Technology Elective List.

**WELDING TECHNOLOGY ELECTIVE LIST**

| | | |
|---|---|---|
| WLD 151 | Basic Welding A | 2.0 |
| WLD 145 | GMAW Aluminum Lab | 1.0 |
| WLD 147 | Flux Core Arc Welding Lab | 1.0 |
| WLD 225 | SMAW Open Groove Lab | 3.0 |
| WLD 227 | SMAW Pipe Lab A | 3.0 |
| WLD 229 | SMAW Pipe Lab B | 3.0 |
| WLD 235 | GTAW Pipe Lab A | 3.0 |
| WLD 237 | GTAW Pipe Lab B | 3.0 |
| WLD 245 | GMAW Pipe Lab A | 3.0 |
| WLD 247 | GMAW Pipe Lab B | 3.0 |
| WLD 253 | Pipe Fitting and Template Dev. Lab | 1.0 |

**This list is not all inclusive; other courses may be approved at the discretion of the program coordinator**

*Curriculum in the KCTCS system is constantly being reviewed and updated to ensure quality and relevance.*
*This check sheet should be used only as a guide for meeting the course requirements for each credential.*
*See your advisor to confirm the requirements.*