

# WELDING TECHNOLOGY

Certificate Program

**LENGTH:** Four Semesters

**PURPOSE:** The Certificate in Welding Technology is designed to prepare individuals for employment in the field of welding. The program is competency based that includes both theory and hands on practical application based instruction. Instruction is provided in various processes and techniques of welding and cutting different types of materials.

**AREA I ..... WRITTEN COMPOSITION ..... 3 SH**

**Choose one of the following English courses:** .....3

- ENG 101 ..... English Composition I
- COM 100 ..... Introductory Technical English I

**AREA II ..... HUMANITIES AND FINE ARTS ..... 3 SH**

- SPH 107 ..... Fundamentals of Public Speaking ..... 3

**AREA III ..... NATURAL SCIENCES AND MATHEMATICS ..... 6 SH**

- CIS 146 ..... Microcomputer Applications ..... 3

**Choose one of the following math courses:** .....3

- MTH 116 ..... Mathematical Applications
- MTH 100 ..... Intermediate College Algebra

**AREA IV ..... HISTORY, SOCIAL, AND BEHAVIORAL SCIENCES ..... 0 SH**

**AREA V ..... PRE-PROFESSIONAL, MAJOR, AND ELECTIVE COURSES ..... 48 SH**

- WDT 108 ..... Shielded Metal Arc Fillet/OFC ..... 3
- WDT 122 ..... Shielded Metal Arc Fillet/OFC Lab ..... 3
- WDT 109 ..... Shielded Metal Arc Fillet/PAC/CAC ..... 3
- WDT 123 ..... Shielded Metal Arc Fillet/PAC/CAC Lab ..... 3
- WDT 110 or WDT 228 ..... Industrial Blueprint Reading or Gas Tungsten Arc Welding ..... 3
- WDT 120 ..... Shielded Metal Arc Welding Groove ..... 3
- WDT 119 ..... Gas Metal Arc/Flux Cored Arc Welding ..... 3
- WDT 124 ..... Gas Metal Arc/Flux Cored Arc Welding Lab ..... 3
- WDT 125 ..... Shielded Metal Arc Welding Groove Lab ..... 3
- WDT 115 ..... GTAW Carbon Pipe ..... 3
- WDT 116 ..... GTAW Stainless Pipe ..... 3
- WDT 155 ..... GTAW Carbon Pipe Lab ..... 3
- WDT 156 ..... GTAW Stainless Pipe Lab ..... 3
- WDT 217 ..... SMAW Carbon Pipe ..... 3
- WDT 257 ..... SMAW Carbon Pipe Lab ..... 3
- WKO 110 ..... NCCER Core ..... 3

**Total Hours ..... 60 SH**

This is a career program designed for students to go directly into the labor market upon completion. Although some of the courses in this program will transfer to four-year institutions, this program is not designed to be a transfer program of study; therefore, it is not subject to the terms and conditions of STARS.