



## Welding Technology\* (WLDG)

The growing demand for qualified welders has necessitated the availability of a curriculum designed to meet the needs of the welding industry. Students graduating from the program will be skillful and have a good understanding of the related and technical information associated with welding. Graduates should be qualified to pass the entry-level certification tests as required by industry.

### First Year

#### First Semester

Course	Semester Hours
DFTG 1325 Blueprint Reading and Sketching	3
WLDG 1421 Introduction to Welding Fundamentals	4
WLDG 1428 Introduction to Shielded Metal Arc Welding (SMAW) (1)	4
WLDG 1457 Intermediate Shielded Metal Arc Welding (SMAW) (2)	4
WLDG 2443 Advanced Shielded Metal Arc Welding (SMAW)** (3)	4
ENTC 1347 Safety and Ergonomics	3
	22

#### Second Semester

Course	Semester Hours
WLDG 1337 Introduction to Welding Metallurgy	3
WLDG 2413 Intermediate Welding Using Multiple Processes (3)	4
WLDG 1435 Introduction to Pipe Welding (1)	4
WLDG 2406 Intermediate Pipe Welding (4)	4
WLDG 2480 Cooperative Education – Welding Technology/Welder (5)	4
	19

#### Summer Semester

WLDG 2488 Internship-Welding Technology/Welder (6)	4
	4

### Second Year

#### First Semester

Course	Semester Hours
ENGL 1301 Composition I	3
SPCH ..... Speech Elective	3
..... Humanities/Fine Arts Elective	3
MATH MATH 1332 or MATH 1342 or higher	3
..... Social & Behavioral Science Elective	3
	15
<b>Total Hours</b>	<b>60</b>

Student must make an appointment with the Welding Technology department for an interview and Bennett Mechanical Aptitude Testing. Test scores of 42 and above will be admitted to the Welding program. Test score of 41 and below will be given an alternative schedule that will include Elementary Physics I (PHYS 1405) and applicable math and reading classes. These students will also be placed on a wait list. Students not admitted into the program may retest during the next semester's registration.

**Prerequisite:** Bennett Mechanical Aptitude Test score of 42 or above and eligibility to enroll in ENGL 0307 and MATH 0307.

**Prerequisites or Co-requisites:** (1) DFTG 1325 and WLDG 1421; (2) WLDG 1428; (3) WLDG 1457; (4) WLDG 1435; (5) WLDG 1435 and WLDG 2406. (6) WLDG 2480

**Approved Elective Group 1:** WLDG 1491, WLDG 2432 or WLDG 2451

+ Course of study identification number.

\*\* Capstone Experience.

**Note:** A student who completes the required courses with an overall average of C may receive an Associate of Applied Science degree in Welding Technology.