

WELDING TECHNOLOGY

Associate of Applied Science Degree

(Degree Audit Program Code: WELD-AAS)

The Welding Technology Program at Galveston College is designed to provide hands-on training on the same equipment used by business and industry. Students learn various welding processes including, but not limited to, flux cored arc welding, gas tungsten arc, gas metal arc, and other processes. This is an NCCER accredited program in which students learn to perform welding skills in all positions and are able to acquire knowledge and experience in welding, layout, and fitting skills in order to prepare students for careers in gas welding, arc welding, specialty welding, and/or other areas of welding. Graduates should be qualified to pass entry-level certification tests as required by business and industry. Employment opportunities are available as a welder in general fabrication shops, on construction sites, in pressure vessel shops, or in the maritime industry and shipyards of the Texas Gulf Coast Region.

First Semester		First Year				Second Semester	
WLDG	1323	Welding Safety, Tools and Equipment	3	WLDG	2413	Intermediate Multiple Processes	4
WLDG	1407	Introduction to Multiple Processes	4	WLDG	1434	Introduction to Gas Tungsten Arc Welding (GTAW)	4
WLDG	1428	Introduction to Shielded Metal Arc Welding (SMAW)	4	WLDG	2443	Advanced Shielded Metal Arc Welding (SMAW)	4
WLDG	1435	Introduction to Pipe Welding	4	WLDG	1313	Introduction to Blueprint Reading	3
			15				15
Third Semester		Second Year				Fourth Semester	
WLDG	2453	Advanced Pipe*	4	<u>ENGL</u>	<u>1301</u>	<u>English Composition I</u>	3
WLDG	2451	Advanced Gas Tungsten Arc Welding (GTAW)	4	<u>SPCH</u>	<u>13XX</u>	<u>Speech Elective⁶</u>	3
WLDG	1437	Introduction to Welding Metallurgy	4	<u>MATH</u>	<u>1314</u>	<u>College Algebra or</u>	3
WLDG	1317	Introduction to Layout and Fabrication	3	<u>MATH</u>	<u>1324</u>	<u>Math for Business</u>	3
			15	<u>Language, Philosophy, Culture or Creative Arts³</u>			3
			<u>Social/Behavior Science Elective⁷</u>			3	15

TOTAL SEMESTER CREDIT HOURS IN PROGRAM: 60

Notes:

³Select one course from ARTS 1301, ARTS 1303, COMM 2366, DRAM 1310, DRAM 2366, HUMA 1301, MUSI 1306, MUSI 1310.

⁴Select one course from ARTS 1304, DRAM 2361, DRAM 2362, ENGL 2322, ENGL 2323, ENGL 2327, ENGL 2328, ENGL 2332, ENGL 2333, ENGL 2342, ENGL 2343, HIST 2311, HIST 2312, HUMA 1302, PHIL 1301, PHIL 2306, PHIL 2307, PHIL 2321.

⁶Select one course from SPCH 1311, SPCH 1315, SPCH 1318, or SPCH 1321.

⁷Select one course from CRIJ 1301, CRIJ 1307, ECON 2301, ECON 2302, KINE 1304, KINE 1346, PSYC 2301, SOCI 1301, or SOCI 1306.

* Identifies Capstone course

Underline - Identifies courses to meet academic, general education requirements for AAS Degree; 15 credit hours.