

INDUSTRY, MANUFACTURING, AND CONSTRUCTION

GUIDED PATHWAY: WELDING TECHNOLOGY – SHIELDED METAL ARC WELDING (SMAW) CERTIFICATE

For more information, visit www.dcccd.edu/Welding and your academic advisor at your college.

This is an example course sequence for students interested in pursuing the Welding Technology – Shielded Metal Arc Welding (SMAW) Certificate. It does not represent a contract, nor does it guarantee course availability. Following this pathway will help you earn the Welding Technology – Shielded Metal Arc Welding (SMAW) Level I Certificate². Courses from this certificate may apply to the related AAS degree. Gainful employment information for this certificate can be found at https://www1.dcccd.edu/catalog/programs/degree_gei.cfm?a=408. For official certificate requirements, [click here](#).

The Shielded Metal Arc Welding (SMAW) certificate program is designed to qualify students in the shielded metal arc welding processes on either plate or pipe in accordance to the American Welding Society (AWS) or the American Petroleum Institute (API) welding procedures. Courses that complete the Shielded Metal Arc Welding (SMAW) Certificate (SM) are noted below.

Students pursuing this certificate are waived from the [Texas Success Initiative \(TSI\)](#) standards, but must meet course prerequisites, as long as the student completes the TSI waiver form prior to enrollment.



ONLY Offered at
EFC and MVC

SEMESTER-BY-SEMESTER MAP FOR FULL-TIME STUDENTS³
ALL PLANS CAN BE MODIFIED TO FIT THE NEEDS OF PART-TIME STUDENTS

SM	SEMESTER 1	ACTION ITEMS
♦	WLDG 1428 - Introduction to Shielded Metal Arc Welding (SMAW)	<input type="checkbox"/> Meet with your advisor to confirm academic and career goals before the end of the semester. <input type="checkbox"/> Meet with a career advisor or coach to research your career options and opportunities for job shadowing.
♦	WLDG 1457 - Intermediate Shielded Metal Arc Welding (SMAW)	

TOTAL SEMESTER CREDIT HOURS: 8

SM	SEMESTER 2	ACTION ITEMS
♦	WLDG 2443 - Advanced Shielded Metal Arc Welding (SMAW)	<input type="checkbox"/> Meet with your advisor to request an official program of study audit, confirm or update your academic and career path and program of study. <input type="checkbox"/> Meet with a career advisor or coach for assistance in preparing for job search. <input type="checkbox"/> After reviewing your degree plan and program of study, apply for graduation. <ul style="list-style-type: none"> ○ Meet with your advisor to apply for the Shielded Metal Arc Welding Certificate.
♦	WLDG 1471 - Welding Qualifications	

TOTAL SEMESTER CREDIT HOURS: 8

CERTIFICATE MINIMUM: 16 SEMESTER CREDIT HOURS | PATHWAY TOTAL: 16 SEMESTER CREDIT HOURS

¹ Degree plans may change in later catalogs. You may use this pathway if you entered one of the seven colleges on or before this date.

² Students must earn at least 25% of the credit hours required for graduation through instruction by one of the seven DCCCD colleges awarding the certificate.

³ This is not an official degree plan. For official certificate requirements, [click here](#).

THIS PATHWAY WAS LAST UPDATED ON FEBRUARY 11, 2019