

GUIDED PATHWAY: SHIELDED METAL ARC WELDING (SMAW) CERTIFICATE

MANUFACTURING and INDUSTRIAL TECHNOLOGY CAREER PATH



For more information, visit the [Dallas College Welding webpage](http://www.dcccd.edu/Welding) [www.dcccd.edu/Welding] and your academic advisor at your campus.

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 Shielded Metal Arc Welding (SMAW) Certificate. Courses from this certificate may apply to the related A.A.S. degree. Students must earn at least 25% of the credit hours required for graduation through instruction by Dallas College. See catalog for [official certificate requirements](#).

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 Certificate are noted below.

Students pursuing this certificate are waived from the [Texas Success Initiative \(TSI\)](#) standards, but must meet course prerequisites.

Catalog Year	2020-2021	You may use this pathway if you entered Dallas College on or before this date.
Degree Type	Level I Certificate	
GPA Requirement	Student must earn a GPA of 2.0 or higher	
TSI	May be Exempt	

SEMESTER-BY-SEMESTER MAP FOR FULL-TIME STUDENTS

All plans can be modified to fit the needs of part-time students. This is not an official degree plan. See catalog for [official certificate requirements](#).

CERTIFICATE MINIMUM: 16 SEMESTER CREDIT HOURS

SEMESTER 1

Total Hours: 8

[WLDG 1428](#) – Introduction to Shielded Metal Arc Welding (SMAW)

[WLDG 1457](#) – Intermediate Shielded Metal Arc Welding (SMAW)

SEMESTER 1 ACTION ITEMS

1. Meet with your advisor to confirm academic and career goals before the end of the semester.
2. Meet with a career advisor or coach to research your career options and opportunities for job shadowing.

SEMESTER 2

Total Hours: 8

[WLDG 2443](#) – Advanced Shielded Metal Arc Welding (SMAW)

[WLDG 1471](#) – Welding Qualifications

SEMESTER 2 ACTION ITEMS

1. Meet with your advisor to request an official program of study audit and confirm or update your academic and career path and program of study.
2. Meet with a career advisor or coach for assistance in preparing for job search.
3. Meet with your advisor to apply for the Shielded Metal Arc Welding Certificate.

PATHWAY TOTAL: 16 SEMESTER CREDIT HOURS