GUIDED PATHWAY: WELDING TECHNOLOGY A.A.S.

MANUFACTURING and INDUSTRIAL TECHNOLOGY CAREER PATH

For more information, visit the Dallas College Welding Technology webpage [www.dcccd.edu/Welding] and your academic advisor at the Mountain View Campus.

This is an example course sequence for students interested in pursuing the Welding associate degree. It does not represent a contract, nor does it guarantee course availability. Following this pathway will help you earn an Associate of Applied Science (A.A.S.) degree in Welding Technology. Students must earn at least 25% of the credit hours (15 hours) required for graduation through instruction by Dallas College. See catalog for official degree requirements.

The A.A.S. degree program in Welding Technology is designed to prepare the student in the basic processes of oxyacetylene and arc welding plus many specialized welding applications as options to fit the specific needs of the student. In addition, instruction is offered in related support areas such as metallurgy, tooling, drafting, pattern layout and characteristics of materials. Thus, the program offers preparation for both entry-level jobs as well as welding inspectors. Courses that complete the degree, the Gas Metal Arc Welding (GMAW) Certificate (GM), the Gas Tungsten Arc Welding (GTAW) Certificate (GT) and the Shielded Metal Arc Welding (SMAW) Certificate (SM) are noted below.

Visit the NTCCC Transfer Consortium to view guided pathways created for students who complete an A.A.S. degree and the options for transfer to complete a Bachelor of Applied Arts and Science. Speak with an academic advisor at your campus to choose courses that will help you to transfer to a specific university.

Catalog Year	2021-2022 You may use this pathway if you entered Dallas College on or before this date.
Degree Type	Associate of Applied Science
GPA Requirement	Student must earn a GPA of 2.0 or higher
TSI	Must be Complete

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 degree requirements.

AAS DEGREE MINIMUM: 60 SEMESTER CREDIT HOURS

SEMESTER 1 — Total Hours: 13

WLDG 1200 – Introduction to Welding
WLDG 1425 – Introduction to Oxy-fuel Welding and Cutting *(Course also applies to GT)*
WLDG 1428 – Introduction to Shielded Metal Arc Welding (SMAW) *(Course also applies to GM, SM)*
ENGL 1301 – Composition I *This is a Core course. You must earn a grade of "C" or better.*

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: 17

WLDG 1337 – Introduction to Welding Metallurgy
WLDG 1457 – Intermediate Shielded Metal Arc Welding (SMAW) *(Course also applies to SM)*
WLDG 1430 – Introduction to Gas Metal Arc Welding (GMAW) *(Course also applies to GM)*
SPCH 1311 – Introduction to Speech Communication *This is a Core course.*
HUMANITIES/FINE ARTS ELECTIVE* *This is a Core course.*

* There are several options to fulfill this requirement. See your academic advisor for a specific list.

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.

SEMESTER 3 — Total Hours: 15

PSYC 2301 – General Psychology *This is a Core course.*
WLDG 1434 – Introduction to Gas Tungsten Arc (GTAW) Welding *(Course also applies to GT)*
WLDG 2443 – Advanced Shielded Metal Arc Welding (SMAW) *(Course also applies to SM)*
CHOOSE ONE: **DFTG 1425** – Blueprint Reading and Sketching ***OR***
WLDG 1471 – Welding Qualifications *(Course also applies to GM, GT, SM)*

SEMESTER 3 ACTION ITEMS

1. Meet with a career advisor or coach for assistance in preparing for job search.
2. Meet with a faculty or career advisor regarding placement for the Cooperative course, if needed.

SEMESTER 4 — Total Hours: 15

MATH 1332 – Contemporary Mathematics *(Quantitative Reasoning) This is a Core course. You must earn a grade of "C" or better.*
WLDG 2447 – Advanced Gas Metal Arc Welding (GMAW) *(Course also applies to GM)*
WLDG 2451 – Advanced Gas Tungsten Arc Welding (GTAW) *(Course also applies to GT)*
CHOOSE ONE: **WLDG 1480** – Cooperative Education-Welding Technology/Welder ***OR***
NDTE 2411 – Preparation for Certified Welding Inspector Exam

SEMESTER 4 ACTION ITEMS

1. After reviewing your program of study, meet with your advisor to apply for the Welding Technology A.A.S., the Gas Metal Arc Welding Certificate, the Gas Tungsten Arc Welding Certificate and the Shielded Metal Arc Welding Certificate.
2. Sign up for Commencement.
3. Join the Alumni Network!

PATHWAY TOTAL: 60 SEMESTER CREDIT HOURS