

# GUIDED PATHWAY: MACHINIST 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-Machinist Certificate. It does not represent a contract, nor does it guarantee course availability. Following this pathway will help you earn a certificate in Welding Technology-Machinist. 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 Welding Technology-Machinist Certificate provides students the necessary skills to perform a wide variety of manual and CNC machining operations involving both, vertical milling and turning equipment. Upon completion of this award, students will be able to interpret engineer drawings, make the necessary calculations, and then independently plan and carry out most common machining tasks with proficiency and within industry-standard timeframes. 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.

<b>Catalog Year</b>	2020-2021	You may use this pathway if you entered Dallas College on or before this date.
<b>Degree Type</b>	Level I Certificate	
<b>GPA Requirement</b>	Student must earn a GPA of 2.0 or higher	
<b><a href="#">TSI</a></b>	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: 18 SEMESTER CREDIT HOURS

#### SEMESTER 1

**Total Hours: 7**

[MCHN 1438](#) – Basic Machine Shop I

[MCHN 1326](#) – Introduction to Computer-Aided Manufacturing (CAM)

##### 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: 11**

[MCHN 1454](#) – Intermediate Machining II

[MCHN 2338](#) – Advanced Computer-Aided Manufacturing (CAM)

[MCHN 2441](#) – Advanced Machining I

##### 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 Machinist Certificate.

**PATHWAY TOTAL: 18 SEMESTER CREDIT HOURS**