

INDUSTRY, MANUFACTURING, AND CONSTRUCTION

GUIDED PATHWAY: WELDING TECHNOLOGY – MACHINIST 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-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-Machinist². Courses from this certificate may apply to the related AAS degree. For official certificate requirements, [click here](#).

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 (MC) 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 MVC

SEMESTER-BY-SEMESTER MAP FOR FULL-TIME STUDENTS³

ALL PLANS CAN BE MODIFIED TO FIT THE NEEDS OF PART-TIME STUDENTS

MC	SEMESTER 1	ACTION ITEMS
♦	MCHN 1438 – Basic Machine Shop I	<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.
♦	MCHN 1326 – Introduction to Computer-Aided Manufacturing (CAM)	

TOTAL SEMESTER CREDIT HOURS: 7

MC	SEMESTER 2	ACTION ITEMS
♦	MCHN 1454 – Intermediate Machining II	<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"/> Meet with your advisor to apply for the Machinist Certificate.
♦	MCHN 2338 – Advanced Computer-Aided Manufacturing (CAM)	
♦	MCHN 2441 – Advanced Machining I	

TOTAL SEMESTER CREDIT HOURS: 11

CERTIFICATE MINIMUM: 18 SEMESTER CREDIT HOURS | PATHWAY TOTAL: 18 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