

## PROGRAM REQUIREMENTS

www.cvtc.edu - 1-800-547-2882

START DATE(S): August and January - Daytime

EFFECTIVE: August 2023

### WELDING

#### *Technical Diploma*

Course Number	Course Title	Credits	Prerequisite(s)/Comments
<b>First Semester</b>			
442-310	Welding Safety and Orientation <i>[2 weeks prior to start of semester-32 hrs.]</i>	1	Program student
442-307	Welding Print Reading	2	Program student
442-303	Metals Technology	1	Program student, 442-310 or concurrent
442-325	Shielded Metal Arc Welding	3	Program student, 442-303, 442-307, 442-310 or concurrent
442-362	Gas Metal Arc Welding <b>OR</b>	4	Program student, 442-303, 442-307, 442-310 or concurrent
442-355	Basic GMAW Flat Position <b>AND</b>	1	
442-356	Basic GMAW Positions 2-4	3	442-355 or concurrent
442-380	Industrial Skills – Welders	2	Program or pre-program student
457-300	Fabrication	3	Program student, 442-310, 442-462, 442-325, 442-307 or concurrent
<b>Total Hrs./Week and Total Credits</b>		<b>16 cr.</b>	
<b>Second Semester</b>			
442-327	Welding Theory	2	442-303, 442-325, 442-362
442-300	Advanced Shielded Metal Arc Welding	3	442-325
442-364	Gas Tungsten Arc Welding	4	Program student, 442-303, (442-327 or concurrent)
442-360	Robotic Welding	2	Program student, 442-362 or concurrent
442-363	Advanced Gas Metal Arc Welding	4	Program student, 442-310, 442-362
457-305	CNC Fabrication	2	Program student, 457-300
<b>Total Hrs./Week and Total Credits</b>		<b>17 cr.</b>	

MINIMUM PROGRAM CREDITS REQUIRED = 33

2.0 MINIMUM PROGRAM CUMULATIVE GPA REQUIRED FOR GRADUATION

This program operates on a year-round basis. Summer session attendance is required. If a student does not enroll in any courses at CVTC for two or more consecutive semesters, the student will be required to reapply with Admissions. Students must abide by any changes in admission requirements and degree requirements.

## PROGRAM REQUIREMENTS

[www.cvtc.edu](http://www.cvtc.edu) - 1-800-547-2882

START DATE(S): January and August - Afternoon/Evening Section	EFFECTIVE: January 2024
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### WELDING – Afternoon/Evening

*Technical Diploma*

Course Number	Course Title	Credits	Prerequisite(s)/Comments
<b>First Semester</b>			
442-310	Welding Safety and Orientation <i>[2 weeks prior to start of semester-32 hrs.]</i>	1	Program student
442-307	Welding Print Reading	2	Program student
442-303	Metals Technology	1	Program student, 442-310 or concurrent
442-362	Gas Metal Arc Welding <b>OR</b>	4	Program student, 442-303, 442-307, 442-310 or concurrent
442-355	Basic GMAW Flat Position <b>AND</b>	1	
442-356	Basic GMAW Positions 2-4	3	442-355 or concurrent
442-380	Industrial Skills - Welders	2	Program or pre-program student
442-325	Shielded Metal Arc Welding	3	Program student, 442-303, 442-307, 442-310 or concurrent
457-300	Fabrication	3	Program student, 442-310, 442-462, 442-325, 442-307 or concurrent
<b>Total Hrs./Week and Total Credits</b>		<b>16 cr.</b>	
<b>Second Semester</b>			
442-327	Welding Theory	2	442-303, 442-325, 442-362
442-300	Advanced Shielded Metal Arc Welding	3	442-325
442-360	Robotic Welding	2	Program student, 442-362 or concurrent
442-363	Advanced Gas Metal Arc Welding	4	Program student, 442-310, 442-362
442-364	Gas Tungsten Arc Welding	4	Program student, 442-303, (442-327 or concurrent)
457-305	CNC Fabrication	2	Program student, 457-300
<b>Total Hrs./Week and Total Credits</b>		<b>17 cr.</b>	

MINIMUM PROGRAM CREDITS REQUIRED = 33

2.0 MINIMUM PROGRAM CUMULATIVE GPA REQUIRED FOR GRADUATION

This program operates on a year-round basis. Summer session attendance is required. If a student does not enroll in any courses at CVTC for two or more consecutive semesters, the student will be required to reapply with Admissions. Students must abide by any changes in admission requirements and degree requirements.

## PROGRAM REQUIREMENTS

www.cvtc.edu - 1-800-547-2882

START DATE(S): June, August, and January – Part-Time Day	EFFECTIVE: June 2024
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### WELDING – Part-Time Day

*Technical Diploma*

Course Number	Course Title	Credits	Prerequisite(s)/Comments
<b>First Semester</b>			
442-310	Welding Safety and Orientation <i>[2 weeks prior to start of semester-32 hrs.]</i>	1	Program student
442-307	Welding Print Reading	2	Program student
442-303	Metals Technology	1	Program student, 442-310 or concurrent
442-362	Gas Metal Arc Welding <b>OR</b>	4	Program student, 442-303, 442-307, 442-310 or concurrent
442-355	Basic GMAW Flat Position <b>AND</b>	1	
442-356	Basic GMAW Positions 2-4	3	442-355 or concurrent
442-380	Industrial Skills – Welders	2	Program or pre-program student
442-325	Shielded Metal Arc Welding	3	Program student, 442-303, 442-307, 442-310 or concurrent
<b>Total Hrs./Week and Total Credits</b>		<b>13 cr.</b>	
<b>Second Semester</b>			
442-327	Welding Theory	2	442-303, 442-325, 442-362
442-300	Advanced Shielded Metal Arc Welding	3	442-325
442-360	Robotic Welding	2	Program student, 442-362 or concurrent
442-363	Advanced Gas Metal Arc Welding	4	Program student, 442-310, 442-362
457-300	Fabrication	3	Program student, 442-310, 442-462, 442-325, 442-307 or concurrent
<b>Total Hrs./Week and Total Credits</b>		<b>14 cr.</b>	
<b>Summer Term</b>			
442-364	Gas Tungsten Arc Welding	4	Program student, 442-303, (442-327 or concurrent)
457-305	CNC Fabrication	2	Program student, 457-300
<b>Total Hrs./Week and Total Credits</b>		<b>6 cr.</b>	

MINIMUM PROGRAM CREDITS REQUIRED = 33      2.0 MINIMUM PROGRAM CUMULATIVE GPA REQUIRED FOR GRADUATION

If a student does not enroll in any courses at CVTC for two or more consecutive semesters, the student will be required to reapply with Admissions. Students must abide by any changes in admission requirements and degree requirements.