

STRUCTURAL WELDING

PROGRAM PURPOSE

Structural welding is a certificate program designed to prepare students for the American Welding Society Structural Welding Qualification test, a national certification. Students will have the opportunity to develop skills in the shielded metal arc welding process that qualify them to sit for the test.

Students will learn about materials being used, hand and power tools for the job, safety in the workplace, and the correct procedures for the tasks assigned.

Enrolling in a structural welding program opens the door to a fulfilling and high-demand career in the construction and manufacturing industries. This program provides hands-on training and theoretical knowledge, equipping students with the skills needed to create strong, safe structures. With the growing need for infrastructure development and repair, certified structural welders enjoy excellent job prospects, competitive salaries, and opportunities for career advancement. Additionally, the program emphasizes safety and precision, ensuring graduates are well-prepared to meet industry standards and contribute effectively to various projects.

CAREER OPPORTUNITIES

As a skilled structural welder, you'll be equipped to work on a variety of projects, including the construction of buildings, bridges, pipelines, and industrial structures. The need for qualified welders is ever-growing, offering job security, competitive wages, and opportunities for advancement. With the ability to work on critical infrastructure projects, your skills will be essential to ensuring the safety and stability of numerous structures. Graduates of the program may find employment opportunities with:

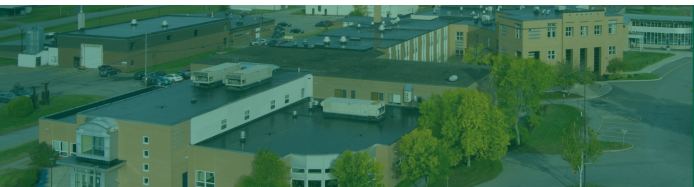
- Industrial contractors
- Ship yards
- Machine shops
- Fabrication shops
- Manufacturing facilities



APPLICATION PROCEDURE

The following procedures constitute the admissions process:

- 1 Submit an NMCC application.
- 2 Submit official high school transcript and/or HiSET/GED scores (current senior's ranking period grades).
- 3 Official college transcripts for applicants who have attended other post-secondary schools.
- 4 If SAT scores are not available, placement testing may be required.
- 5 Meet with an Admissions Counselor.
- 6 A campus tour is highly recommended.



GET IN TOUCH

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Presque Isle, ME 04769

STRUCTURAL WELDING
2025-2026
Certificate Program

First Semester			C	L	CR
	DRR 114	Print Reading for Machinists & Welders	2	2	3
	MAT 122	Technical Mathematics	2	2	3
>	WEI 101	Introduction to Welding (*4 weeks)	2	2	3
>	WEI 133	Electric Welding (*4 weeks)	2	2	3
>	WEI 137	Structural Welding I (*7 weeks)	1.5	4.5	3
	WEI 140	Plasma Table Operations	1	3	2
			10.5	15.5	17
Second Semester			C	L	CR
	ENG 111	English Composition	3	0	3
	SAE 121	Industrial Safety	3	0	3
>	WEI 138	Structural Welding II (*7.5 weeks)	1.5	4.5	3
>	WEI 139	Open Root Welding (*7.5 weeks)	1.5	4.5	3
>	WEI 141	Fluxcore Arc Welding	2	2	3
			11	11	15
Total Required					32

> **Major courses; a minimum grade of "C" or 2.0 is required**

Key: C=Class hours; L=Laboratory; CR=Credit hours

****Note:** WEI courses within a semester are scheduled sequentially not concurrently.