

STRUCTURAL WELDING



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

High demand field! The skills gained from completing this program compliment other trades as well.

CAREER OPPORTUNITIES

Graduates of the program may find employment opportunities with:

- industrial contractors
- machine shops
- manufacturing facilities
- ship yards
- fabrication shops



APPLICATION PROCEDURE

The following procedures constitute the admissions process:

1. Submit an NMCC application along with a \$20 application fee.
2. Submit official high school transcript and/or HiSET/GED scores (current senior's transcript should include completed 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. Individual interview required.
6. A campus tour is highly recommended.

Questions? Contact admissions@nmcc.edu

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2021-2022 Curriculum

Certificate Program

<u>First Semester</u>	<u>C</u>	<u>L</u>	<u>CR</u>
DRR 109 Print Reading for Welders	2	2	3
MAT 119 Applied Mathematics	4	0	4
◆ WEI 101 Intro. to Welding	2	2	3 *4 weeks
◆ WEI 133 Electric Welding	2	2	3 *4 weeks
◆ WEI 137 Structural Welding I	1.5	4.5	3 *7 weeks
	11.5	10.5	16
<u>Second Semester</u>			
ENG 111 English Composition	3	0	3
SAE 121 Industrial Safety	3	0	3
◆ WEI 136 Intro GMAW and GTAW	2	2	3
◆ WEI 138 Structural Welding II	1.5	4.5	3 *7.5 weeks
◆ WEI 139 Open Root Welding	1.5	4.5	3 *7.5 weeks
◆ WEI 140 Plasma Table Operation	1	2	2
	12	13	17
TOTAL REQUIRED			33

◆ Major courses; a minimum grade of "C" or 2.0 required.

Key: C= Class Hours, L= Lab Hours, CR= Credit Hours

*Note: WEI courses less than 15 weeks are offered sequentially; not cocurrently.

NMCC is an equal opportunity/affirmative action institution and employer. For more information, please call 768-2791.

207-768-2785

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