

WELDING & METAL FABRICATION



PURPOSE OF PROGRAM

Welding and metal fabrication is a one-year certificate program. Students develop the technical knowledge and trade skills to design, lay out, assemble, and fabricate metal projects. Welding is an important inter-related skill, and the hands-on instruction familiarizes students with gas, electric, TIG, MIG and resistance welding techniques. Students learn the materials of the trade, the safe use of hand tools, equipment and machines, identifying fasteners, orthographic projection, pattern making, and parallel and radial line development.

CAREER OPPORTUNITIES

Welding and metal fabrication graduates will be qualified for employment as entry level sheet metal fabricators and welders.

2015-2016 Curriculum Certificate Program

<u>First Semester</u>		C	L	CR
DRR 117	Blueprint Reading Construction Trades	2	2	3
ENG 111	English Composition	3	0	3
SAE 119	Construction Safety	3	0	3
♦ SHM 111	Sheet Metal I	3	9	6
WEI 101	Intro. to Welding	2	2	3
		13	13	18
<u>Second Semester</u>				
DRR 118	Ductwork Calculations	4	0	4
♦ SHM 121	Sheet Metal II	3	9	6
WEI 133	Electric Welding	2	2	3
WEI 136	Gas Metal Arc Gas Tungsten Arc Welding	2	2	3
		11	13	16
TOTAL REQUIRED				34

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

ADMISSION REQUIREMENTS

Completion of a four-year high school program or a state high school equivalency certificate is required for admission into the program. Two years of math are required, with algebra I & II and geometry desired. A rolling admissions policy affords candidates the opportunity to apply and be considered for acceptance throughout the year, but early application (9-10 months prior to the school year) is recommended because of competition and strict enrollment capacities established for each program.

APPLICATION PROCEDURE

The following procedures constitute the admissions process:

1. An application form must be submitted accompanied by a nonrefundable \$20 application fee.
2. An official high school transcript must also be submitted (current seniors' transcripts should include completed ranking periods).
3. GED test scores must be submitted by applicants who are not high school graduates.
4. Official college transcripts must be submitted by applicants who have attended other colleges or post-secondary schools.
5. Placement testing or appropriate SAT scores, individual interviews and campus tours are required, in most cases, prior to being admitted.
6. Admissions decisions are made as quickly as possible once a candidate's file is complete.
7. Accepted applicants are required to make a deposit within thirty days of acceptance. Students requesting on campus housing are required to submit an additional deposit to reserve space in the residential complex.

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