

SHIELDED METAL ARC WELDING



Short-Term Embedded Technical Diploma

30-442-4

Welding is the most common way of permanently joining metal parts. Heat is applied to the pieces to be joined, melting and fusing them to form a permanent bond. Because of its strength, welding is used to construct and repair parts of ships, automobiles, spacecraft, and thousands of other manufactured products. Welding is used to join beams and steel reinforcing rods when constructing buildings, bridges, and other structures, and also in utilities such as nuclear power plants.

Graduates of the program will gain experience in the Shielded Metal Arc Welding process. They will develop the ability of blueprint reading, sketching, and layout for welding. Major job skills learned will include: Shielded Metal Arc Welding (SMAW)

Semester 1		Credits
442-141	Welding Shop Safety	1
442-142	Introduction to Welding	1
442-153	Welding Blueprint Reading 1	1
442-143	Shielded Metal Arc Welding 1	1
442-144	Shielded Metal Arc Welding 2	1
442-145	Shielded Metal Arc Welding 3	1
442-146	Shielded Metal Arc Welding 4	1
442-147	Shielded Metal Arc Welding 5	1
442-154	Thermal Cutting	1
442-168	Welding Blueprint Reading 2	1
Credits		10
Total Credits		10