

# GAS TUNGSTEN ARC WELDING



*Short-Term Embedded Technical Diploma*

30-442-7

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 be experienced in the Gas Tungsten Arc Welding process. They will develop the ability of blueprint reading, sketching, and layout for welding. Major job skills learned will include: Gas Tungsten Arc Welding (GTAW).

Semester 1		Credits
442-141	Welding Shop Safety	1
442-142	Introduction to Welding	1
442-153	Welding Blueprint Reading 1	1
442-161	Gas Tungsten Arc Welding 1	1
442-162	Gas Tungsten Arc Welding 2	1
442-163	Gas Tungsten Arc Welding 3	1
442-164	Gas Tungsten Arc Welding 4	1
442-165	Gas Tungsten Arc Welding 5	1
442-154	Thermal Cutting	1
442-168	Welding Blueprint Reading 2	1
<b>Credits</b>		<b>10</b>
<b>Total Credits</b>		<b>10</b>