Welding Shielded Metal Arc Advanced

Certificate in Applied Science
Credit Requirements: 15 Semester Credit Hours
Spring Semester Start

This certificate teaches advanced welding students pipe welding skills using the shielded metal arc welding process.

Requirements for entry into this program are prerequisite courses WLD 170 and WLD 145; current welder qualification documentation of shielded metal arc welding in 3G and 4G positions; or skills evaluation by the welding instructor at TTC.

Admission into this program requires qualifying scores on SAT, ACT or TTC's placement test. High school graduation is not required if you are at least 18 years old.

Students can enter the certificate in Fall or Spring semesters.

Recommended Sequence of Courses

First Semester – Spring

WLD 225	Arc Welding Pipe I	4
WLD 226	Arc Welding Pipe II	1
WLD 227	Arc Welding Pipe III	1
		Total 6

Second Semester – Fall

EGT 114	Welding Print Basics	2
WLD 110	Welding Safety and Health	1
WLD 141	Weld Quality	2
		Total 5

Third Semester – Spring

EGT 117	Welding Print Principles	2
WLD 201	Welding Metallurgy	2
		Total 4

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		Total 6

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WLD 110	Welding Safety and Health	1
WLD 201	Welding Metallurgy	2
		Total 3

Third Semester – Fall

WLD 141	Weld Quality	2
EGT 114	Welding Print Basics	2
		Total 4

Fourth Semester – Spring

EGT 117	Welding Print Principles	2
		Total 2