Third Semester – Fall

EGT 114	Welding Print Basics	2
WLD 122	Gas Metal Arc Welding Nonferrous I	4
WLD 123	Gas Metal Arc Welding Nonferrous II	1
WLD 201	Welding Metallurgy	2
		Total 9

Fourth Semester – Spring

EGT 117	Welding Print Principles	2
WLD 141	Weld Quality	2
		Total 4

Welding Gas Metal Arc and Flux Cored Arc

Certificate in Applied Science
Credit Requirements: 28 Semester Credit Hours
Summer Term Start

This certificate teaches beginning and intermediate welding students the principles and practices of gas metal arc and flux cored arc welding in preparation for entry into the welding fields of manufacturing, construction, transportation and maintenance. 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.

Recommended Sequence of Courses
First Semester – Summer

WLD 118	Gas Metal Arc Welding Ferrous I	4
WLD 119	Gas Metal Arc Welding Ferrous II	1
		Total 5

Second Semester – Fall

EGT 114	Welding Print Basics	2
WLD 110	Welding Safety and Health	1
WLD 120	Flux Cored Arc Welding I	4
WLD 121	Flux Cored Arc Welding II	1
WLD 201	Welding Metallurgy	2
		Total 10

Third Semester – Spring

EGT 117	Welding Print Principles	2
WLD 122	Gas Metal Arc Welding Nonferrous I	4
WLD 123	Gas Metal Arc Welding Nonferrous II	1
WLD 141	Weld Quality	2
WLD 240	Robotic Welding and Manufacturing	4
		Total 13

Welding Gas Metal Arc and Flux Cored Arc Advanced

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

This certificate teaches advanced welding students pipe welding skills using the gas metal arc and flux cored arc welding processes. Requirements for entry into this program are prerequisite courses WLD 119 and WLD 121; current welder qualification documentation of gas metal arc and flux cored arc in 3G and 4G positions on carbon steel; 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.

Recommended Sequence of Courses
First Semester – Fall

WLD 231	Gas Metal Arc/Flux Cored Arc Welding Pipe I	4
WLD 232	Gas Metal Arc/Flux Cored Arc Welding Pipe II	2
		Total 6

Second Semester – Spring

WLD 110	Welding Safety and Health	1
WLD 141	Weld Quality	2
		Total 3

Third Semester – Fall

EGT 114	Welding Print Basics	2
WLD 201	Welding Metallurgy	2
		Total 4

Fourth Semester – Spring

EGT 117	Welding Print Principles	2
		Total 2

Welding Gas Metal Arc and Flux Cored 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 gas metal arc and flux cored arc welding processes. Requirements for entry into this program are: prerequisite courses WLD 119 and WLD 121; current welder