

WELDING

Basic Welding - Certificate of Completion in Structural Steel Welding

Completion of the curriculum outlined below leads to the Certificate of Completion in Welding and qualifies the student to pursue further college training or seek entry-level employment in the welding field.

First Semester	Semester Hours	Second Semester	Semester Hours
WLDG 1317 Introduction to Layout and Fabrication...	3	WLDG 1337 Introduction to Welding Metallurgy	3
WLDG 1204 Fundamentals of Oxy Fuel Welding Cutting	2	WLDG 1457 Intermediate Shielded Metal Arc Welding..	4
DFTG 1325 Blueprint Reading and Sketching	3	WLDG 2488 Internship Welding Technology / Welder* .	4
WLDG 1428 Introduction to Shielded Metal Arc Welding (SMAW)	4		11
	12		

Notes:

Level I—TSI Exempt Certificate

*Capstone Experience

**General Welding Specialist
Certificate of Completion in Structural Steel Welding**

Completion of the curriculum outlined below leads to the Certificate of Completion in Welding and qualifies the student to pursue further college training or seek entry-level employment in the welding field.

FRESHMAN YEAR

First Semester	Semester Hours	Second Semester	Semester Hours
WLDG 1317 Introduction to Layout and Fabrication...	3	WLDG 1337 Introduction to Welding Metallurgy	3
WLDG 1204 Fundamentals of Oxy Fuel Welding Cutting	2	WLDG 1457 Intermediate Shielded Metal Arc Welding..	4
DFTG 1325 Blueprint Reading and Sketching	3	WLDG 2488 Internship – Welding Technology / Welder	4
WLDG 1428 Introduction to Shielded Metal Arc Welding (SMAW)	4		11
	12		

Third Semester	Semester Hours
WLDG 1202 Fundamentals of Gas Arc Welding (GMAW)	2
WLDG 1206 Fundamentals of Gas Tungsten Arc Welding (GTAW).....	2
WLDG 1435 Introduction to Pipe Welding	4
WLDG 2443 Advanced Shielded Metal Arc Welding*	4
	12

Notes:
Level I—TSI Exempt Certificate
*Capstone Experience

**Pipe Welding Specialist
Certificate of Completion in Welding Technology**

Completion of the curriculum outlined below leads to the Certificate of Completion in Welding and qualifies the student to pursue further college training or seek entry-level employment in the welding field.

FRESHMAN YEAR

First Semester	Semester Hours	Second Semester	Semester Hours
WLDG 1317 Introduction to Layout and Fabrication...	3	WLDG 1337 Introduction to Welding Metallurgy	3
WLDG 1204 Fundamentals of Oxy Fuel Welding Cutting	2	WLDG 1457 Intermediate Shielded Metal Arc Welding..	4
DFTG 1325 Blueprint Reading and Sketching	3	WLDG 2488 Internship – Welding Technology / Welder	4
WLDG 1428 Introduction to Shielded Metal Arc Welding (SMAW)	4		11
	12		

Third Semester	Semester Hours
WLDG 1206 Fundamentals of Gas Tungsten Arc Welding (GTAW).....	2
WLDG 1435 Introduction to Pipe Welding	4
WLDG 2506 Intermediate Pipe Welding	5
WLDG 2453 Advanced Pipe Welding	4
	15

Notes:
Level I—TSI Exempt Certificate
*Capstone Experience

WELDING

**Advanced Welding
Certificate of Completion in Advanced Welding**

Completion of the curriculum outlined below leads to the Certificate of Completion in Advanced Welding and qualifies the student to pursue further college training or seek employment in the welding field.

FRESHMAN YEAR

First Semester	Semester Hours	Second Semester	Semester Hours
WLDG 1317 Introduction to Layout and Fabrication...	3	WLDG 1337 Introduction to Welding Metallurgy	3
WLDG 1204 Fundamentals of Oxy Fuel Welding Cutting.....	2	WLDG 1457 Intermediate Shielded Metal Arc Welding..	4
DFTG 1325 Blueprint Reading and Sketching	3	WLDG 2488 Internship – Welding Technology / Welder	4
WLDG 1428 Introduction to Shielded Metal Arc Welding (SMAW)	4	WLDG 2451 Adv. Gas Tungsten (GTAW)	15
	12		

SOMPOMORE YEAR

First Semester	Semester Hours	Second Semester	Semester Hours
WLDG 1202 Fund. Of Gas Metal (GMAW)	2	WLDG 1206 Fundamentals of GTAW.....	2
WLDG 1435 Intro. To Pipe Welding.....	4	WLDG 2506 Intermediate Pipe Welding.....	5
WLDG 2443 Adv. Shielded Metal Arc (SMAW).....	4	WLDG 2453 Advanced Pipe Welding*	4
WDLG 1305 Art Metals.....	3	11
.....	13		

Notes:

Level 2 – TSI Exempt Certificate

*Capstone Experience