

MATERIAL SCIENCE - COE 2020 - 2021

WELDING TECHNOLOGY

Welding Technology - AAS	2
Welding Technology - Combination Pipe Welding - Certificate Level 1	3
Welding Technology - Structural Welding - Certificate Level 1.	4

Workforce Degrees and Certificates 2020-2021

Welding Technology

WELDING TECHNOLOGY

Associate of Applied Science

SCH

FIRST YEAR

First Semester - Fall

EDUC 1300	Learning Framework	3
WLDG 1407	Introduction to Welding Using Multiple Processes	4
WLDG 1428	Introduction to Shielded Metal Arc Welding (SMAW)	4
MATH 1314	College Algebra	3
Semester Total		14

Second Semester - Spring

XXXX #3## ¹	General Education Elective	3
WLDG 1434	Introduction to Gas Tungsten Arc (GTAW) Welding	4
WLDG 1457	Intermediate Shielded Metal Arc Welding (SMAW)	4
WLDG 1413	Introduction to Blueprint Reading for Welders	4
Semester Total		15

SECOND YEAR

First Semester - Fall

SCH

XXXX #3## ¹	Humanities / Fine Arts Elective	3
WLDG 2451	Advanced Gas Tungsten Arc Welding (GMAW)	4
METL 1301	Introduction to Metallurgy	3
WLDG 1435	Introduction to Pipe Welding	4
QCTC 2331	Standards	3
Semester Total		17

Second Semester - Spring

XXXX #3## ¹	General Education Elective	3
WLDG 2453	Advanced Pipe Welding	4
WLDG 2413	Intermediate Welding Using Multiple Processes	4
WLDG 1391 ²	Special Topics in Welding / Welding Technologies (Capstone) OR	
WLDG 2389 ²	Internship - Welding Technology / Welder	3
Semester Total		14

Total Minimum Credits for the AAS

60

¹A list of electives appears in the Core Curriculum section of this catalog.

²Choose one as the capstone WLDG 1391 or WLDG 2389

Workforce Degrees and Certificates 2020-2021

WELDING TECHNOLOGY - COMBINATION PIPE WELDING

Certificate - Level 1

SCH

First Semester - Fall

WLDG 1407 Introduction to Welding Using Multiple Processes 4

WLDG 1428 Introduction to Shielded Metal Arc Welding (SMAW) 4

WLDG 1434 Introduction to Gas Tungsten Arc Welding (GTAW) 4

Semester Total 12

Second Semester - Spring

WLDG 1413 Introduction to Blueprint Reading for Welders 4

WLDG 1457 Intermediate Shielded Metal Arc Welding (SMAW) 4

WLDG 2451 Advanced Gas Tungsten Arc Welding (GTAW) 4

Semester Total 12

Third Semester - Summer

WLDG 1435 Introduction to Pipe Welding 4

WLDG 2413 Intermediate Welding Using Multiple Processes 4

WLDG 2453 Advanced Pipe Welding (Capstone) 4

Semester Total 12

Total Minimum Credits for the Level 1 Certificate 36

Workforce Degrees and Certificates 2020-2021

WELDING TECHNOLOGY- STRUCTURAL WELDING

Certificate - Level 1		SCH
First Semester - Fall		
WLDG 1407	Introduction to Welding Using Multiple Processes	4
WLDG 1413	Introduction to Blueprint Reading for Welders	4
WLDG 1428	Introduction to Shielded Metal Arc Welding (SMAW)	4
Semester Total		12
Second Semester - Spring		
WLDG 1457	Intermediate Shielded Metal Arc Welding (SMAW)	4
WLDG 2447	Advanced Gas Metal Arc Welding (GMAW) (Capstone)	4
Semester Total		8
Total Minimum Credits for the Level 1 Certificate		20