

Sample Academic Plan: Welding Technology- Welding Technology AA-AS Degree

Catalog: 22-23

GE Pattern: Sierra College

Full Time, Total Units: 60 units

NOTE: This program roadmap represents one possible pathway to complete the program. Please see a counselor to create an academic plan that is customized to meet your needs. This roadmap is not a guarantee of course availability or financial aid applicability. For counseling appointments call (916) 660-7400.

First Year

Semester 1 (16 units)

Course Number	Course Title	Units	Area
WELD 0001A	Introductory Welding for Metalworking	2 units	Major Elective
WELD 0001B	Principles of Fabrication	2 units	Major
WELD 0002A	Wire Feed Welding Processes- Career Path	2 units	Major
ENGL 0001A	College Read/Write/Research	4 units	SC Area D1/LS 1 & LS 2
	General Education	3 units	SC Area E
	Elective	3 units	Elective

Semester 2 (15 units)

Course Number	Course Title	Units	Area
WELD 0003A	Introduction to Gas Welding- Preparing for GTAW	2 units	Major Elective
WELD 0003B	Gas Tungsten ARC Welding (TIG) Career Path	2 units	Major
WELD 0005A	Introduction to Shielded Metal Arc Welding- Career	2 units	Major
WELD 0005B	Intermediate Shielded Metal ARC Welding- Career	2 units	Major
WELD 0005C	Structural Steel Welding Certification	1 unit	Major
BUS 0215	Personal Finance	3 units	SC Area D2/LS 4
	General Education	3 units	SC Area C

Second Year

Semester 3 (15-16 units)

Course Number	Course Title	Units	Area
WELD 0015A	Shielded Metal ARC Welding on Pipe	2 units	Major
WELD 0015B	Pipe Welding Certification- Uphill	1.5 units	Major Elective
WELD 0015C	Pipe Welding Certification- Downhill	.5 units	Major Elective
	General Education	3 units	SC Area B & LS3
	General Education	3-4 units	SC Area A
	Elective	5 units	Elective

Semester 4 (13-14 units)

Course Number	Course Title	Units	Area
WELD 0011	Welding Metallurgy	3 units	Major
	General Education	3 units	SC Area F
	Elective	3 units	Elective
	Elective	4-5 units	Elective