

# Welding Technology (A50420)

## Degree Type

Associate in Applied Science

## Credential Number

A50420

## General Education Requirements

### Communication

Take 2 Groups

Group 1 - Take 3 credits from

Item #	Title	Credits
ENG 110	Freshman Composition	3
ENG 111	Writing and Inquiry	3

Group 2 - Take 3 credits from

Item #	Title	Credits
COM 110	Introduction to Communication	3
COM 120	Intro Interpersonal Com	3
COM 231	Public Speaking	3
ENG 112	Writing/Research in the Disc	3

### Humanities/Fine Arts

Take 3 credits from

Item #	Title	Credits
ART 111	Art Appreciation	3
HUM 115	Critical Thinking	3
MUS 110	Music Appreciation	3
PHI 215	Philosophical Issues	3
PHI 240	Introduction to Ethics	3
REL 110	World Religions	3

### Social/Behavioral Sciences

Take 3 credits from

Item #	Title	Credits
POL 120	American Government	3
PSY 118	Interpersonal Psychology	3
PSY 150	General Psychology	3
SOC 210	Introduction to Sociology	3

## Natural Science/Math

Take at least 3 credits from

Item #	Title	Credits
MAT 110	Math Measurement & Literacy	3
MAT 121	Algebra/Trigonometry I	3
MAT 143	Quantitative Literacy <sup>n</sup>	3
MAT 171	Precalculus Algebra	4

## Major Requirements

### Technical Core

Take 18 credits from

Item #	Title	Credits
WLD 110	Cutting Processes	2
WLD 115	SMAW (Stick) Plate	5
WLD 121	GMAW (MIG) FCAW/Plate	4
WLD 131	GTAW (TIG) Plate	4
WLD 141	Symbols & Specifications	3

# Other Major Requirements

Take 34 credit from

Item #	Title	Credits
ACA 115	Success & Study Skills	1
ACA 122	College Transfer Success	1
ATR 112	Intro to Automation	3
BPR 130	Print Reading-Construction	3
BUS 110	Introduction to Business	3
BUS 115	Business Law I	3
BUS 125	Personal Finance	3
BUS 230	Small Business Management	3
CIS 110	Introduction to Computers	3
CIS 115	Intro to Prog & Logic	3
DFT 111	Technical Drafting I	2
DFT 111A	Technical Drafting I Lab	1
DFT 119	Basic CAD	2
DFT 151	CAD 1	3
ELC 120	Intro to Wiring	3
ISC 112	Industrial Safety	2
ISC 115	Construction Safety	2
PTE 110	Pathway to Employ-Construction	3
SPA 111	Elementary Spanish I	3
WBL 110	World of Work	1
WBL 111T	Work-Based Learning I - Technical Programs	1
WLD 112	Basic Welding Processes	2
WLD 116	SMAW (Stick) Plate/Pipe	4
WLD 132	GTAW (TIG) Plate/Pipe	3
WLD 151	Fabrication I	4
WLD 215	SMAW (Stick) Pipe	4
WLD 231	GTAW (TIG) Pipe	3
WLD 261	Certification Practices	2

**NOTE:** In Other Major Requirements area, up to 9 semester hours credits may be selected from BUS.

## Course Sequencing

### 1st Semester (Fall)

Item #	Title	Credits
PTE 110	Pathway to Employ-Construction	3
WLD 110	Cutting Processes	2
WLD 115	SMAW (Stick) Plate	5
WLD 131	GTAW (TIG) Plate	4
WLD 141	Symbols & Specifications	3

## 2nd Semester (Spring)

Item #	Title	Credits
CIS 110	Introduction to Computers	3
WLD 116	SMAW (Stick) Plate/Pipe	4
WLD 121	GMAW (MIG) FCAW/Plate	4
WLD 132	GTAW (TIG) Plate/Pipe	3
WLD 151	Fabrication I	4

## 3rd Semester (Summer)

Item #	Title	Credits
WLD 261	Certification Practices	2
	Communication 1st Choice (A50420)	3

## 4th Semester (Fall)

Item #	Title	Credits
DFT 119	Basic CAD	2
ISC 112	Industrial Safety	2
WLD 215	SMAW (Stick) Pipe	4
	Humanities/Fine Arts Choice (A50420)	3
	Natural Science/Math Choice (A50420)	3-4

## 5th Semester (Spring)

Item #	Title	Credits
BUS 230	Small Business Management	3
WLD 231	GTAW (TIG) Pipe	3
	Communication 2nd Choice (A50420)	3
	Social/Behavioral Sciences Choice (A50420)	3
	Work-Based Learning Choice	1
	<b>Total Credits</b>	<b>67</b>