

PROGRAMS

WELDING TECHNOLOGY

The Welding Technology curriculum provides students with a sound understanding of the science, technology, and applications essential for successful employment in the welding and metalworking industry.

Instruction includes consumable and non-consumable electrode welding and cutting processes. Courses may include math, print reading, metallurgy, welding inspection, and destructive and non-destructive testing providing the student with industry- standard skills developed through classroom training and practical application.

Graduates of the Welding Technology curriculum may be employed as entry-level technicians in welding and metalworking industries. Career opportunities also exist in construction, manufacturing, fabrication, sales, quality control, supervision, and welding-related self-employment.

Associate (A50420)

Fall Semester 1

		Lec	Lab	Clinic	Credit
ACA-115	Success & Study Skills	0	2	0	1
BPR-111	Print Reading	1	2	0	2
English Options	English Options Listed Below	3	0	0	3
WLD-110	Cutting Processes	1	3	0	2
WLD-115	SMAW (Stick) Plate	2	9	0	5
WLD-121	GMAW (MIG) FCAW/Plate	2	6	0	4
				Total:	17

Spring Semester 1

		Lec	Lab	Clinic	Credit
Humanities Option	Humanities and Fine Arts Options Listed Below	3	0	0	3
WLD-116	SMAW (stick) Plate/Pipe	1	9	0	4
WLD-117	Industrial SMAW	1	4	0	3
WLD-131	GTAW (TIG) Plate	2	6	0	4
WLD-141	Symbols and Specifications	2	2	0	3
				Total:	17

Summer Semester 1

		Lec	Lab	Clinic	Credit
Communications Option	Communications Options Listed Below	3	0	0	3
				Total:	3

Fall Semester 2

		Lec	Lab	Clinic	Credit
Math Option	Mathematics Options Listed Below	2	2	0	3
WLD-132	GTAW (TIG) Plate/Pipe	1	6	0	3
WLD-151	Fabrication I	2	6	0	4
WLD-215	SMAW (stick) Pipe	1	9	0	4
ISC-112	Industrial Safety	2	0	0	2

Fall Semester 2

Lec	Lab	Clinic	Credit
			Total: 16

Spring Semester 2

Social & Behavioral Option Social & Behavioral Science Options Listed Below

WLD-212	Inert Gas Welding
WLD-231	GTAW (TIG) Pipe
WLD-251	Fabrication II
WLD-261	Certification Practices

Lec	Lab	Clinic	Credit
3	0	0	3
1	3	0	2
1	6	0	3
1	6	0	3
1	3	0	2
			Total: 13

Total Credit Hours: 66**Mathematics: Choose at least 3 hours from the following courses:**

MAT-110	Mathematical Measurement and Literacy
MAT-143	Quantitative Literacy

Lec	Lab	Clinic	Credit
2	2	0	3
2	2	0	3

Humanities/Fine Arts Choices for AAS Degree Programs Unless Otherwise Noted:

ART-111	Art Appreciation
HUM-110	Technology and Society
HUM-115	Critical Thinking
MUS-110	Music Appreciation

Lec	Lab	Clinic	Credit
3	0	0	3
3	0	0	3
3	0	0	3
3	0	0	3

Social and Behavioral Sciences Choices for AAS Degree Programs Unless Otherwise Noted:

ECO-251	Principles of Microeconomics
ECO-252	Principles of Macroeconomics
POL-120	American Government
PSY-150	General Psychology
SOC-210	Introduction to Sociology

Lec	Lab	Clinic	Credit
3	0	0	3
3	0	0	3
3	0	0	3
3	0	0	3
3	0	0	3

Communications: Choose One of the following:

COM-120	Intro to Interpersonal Communication
COM-231	Public Speaking
ENG-112	Writing and Research in the Disciplines

Lec	Lab	Clinic	Credit
3	0	0	3
3	0	0	3
3	0	0	3

Diploma (D50420)**Fall Semester 1**

BPR-111	Print Reading
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Lec	Lab	Clinic	Credit
1	2	0	2

Fall Semester 1

		Lec	Lab	Clinic	Credit
Communications Option	Communications Options Listed Below	3	0	0	3
WLD-110	Cutting Processes	1	3	0	2
WLD-115	SMAW (Stick) Plate	2	9	0	5
WLD-121	GMAW (MIG) FCAW/Plate	2	6	0	4
				Total:	16

Spring Semester 1

		Lec	Lab	Clinic	Credit
WLD-116	SMAW (stick) Plate/Pipe	1	9	0	4
WLD-117	Industrial SMAW	1	4	0	3
WLD-131	GTAW (TIG) Plate	2	6	0	4
WLD-141	Symbols and Specifications	2	2	0	3
				Total:	14

Fall Semester 2

		Lec	Lab	Clinic	Credit
ISC-112	Industrial Safety	2	0	0	2
WLD-132	GTAW (TIG) Plate/Pipe	1	6	0	3
Math Option	Mathematics Options Listed Below	2	2	0	3
				Total:	8

Total Credit Hours: 38**Mathematics: Choose at least 3 hours from the following courses:**

		Lec	Lab	Clinic	Credit
MAT-110	Mathematical Measurement and Literacy	2	2	0	3
MAT-143	Quantitative Literacy	2	2	0	3

Communications: Choose One of the following:

		Lec	Lab	Clinic	Credit
COM-120	Intro to Interpersonal Communication	3	0	0	3
COM-231	Public Speaking	3	0	0	3
ENG-110	Freshman Composition	3	0	0	3
ENG-111	Writing and Inquiry	3	0	0	3

Certificate (C50420B)**Fall Semester 1**

		Lec	Lab	Clinic	Credit
BPR-111	Print Reading	1	2	0	2
WLD-110	Cutting Processes	1	3	0	2
WLD-115	SMAW (Stick) Plate	2	9	0	5
WLD-121	GMAW (MIG) FCAW/Plate	2	6	0	4
				Total:	13

Total Credit Hours: 13

