

A.A.S. IN WELDING TECHNOLOGY



2022-23

A.A.S. IN WELDING TECHNOLOGY

(A50420) The Welding Technology curriculum provides students with a sound understanding of the science, technology, and applications essential for successful employment in the welding and metal industry.

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

Successful 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.

Students may be required to take one or more Developmental courses as a result of pre-enrollment placement tests; therefore, the student may need more than the minimum number of contact hours listed for graduation.

General Education Requirements			Lecture	Lab	Credit
ENG	111	Writing & Inquiry	3	0	3
ENG	114	Professional Research & Reporting	3	0	3
MAT	110	Math Measurement & Literacy OR	2	2	3
MAT	121	Algebra/Trigonometry I	2	2	3
*Humanities Gen Ed Requirement			3	0	3
*Social Science Gen Ed Requirement			3	0	3
			Total		15

Major Requirements			Lecture	Lab	Credit
WLD	110	Cutting Processes	1	3	2
WLD	115	SMAW Stick Plate	2	9	5
WLD	121	GMAW FCAW/Plate	2	6	4
WLD	131	GTAW (Tig) Plate	2	6	4
WLD	141	Symbols & Specifications	2	2	3
			Total		18

Major Electives			Lecture	Lab	Credit
BPR	111	Blueprint Reading	1	2	2
ISC	112	Industrial Safety	2	0	2
WLD	116	SMAW (Stick) Plate/Pipe	1	9	4
WLD	117	Industrial SMAW	1	4	3
WLD	143	Welding Metallurgy	1	2	2
WLD	151	Fabrication I	2	6	4
WLD	212	Inert Gas Welding	1	3	2
WLD	215	SMAW (Stick) Pipe	1	9	4
WLD	251	Fabrication II	1	6	3
WLD	261	Certification Practices	1	3	2
WLD	262	Inspection and Testing	2	2	3
CIS	110	Introduction to Computers OR	2	2	3
CIS	111	Basic PC Literacy	1	2	2
			Total		33-34

Other Requirements			Lecture	Lab	Credit
ACA	111	College Student Success	1	0	1
			Total		1

TOTAL HOURS **67-68**



DIPLOMA IN WELDING TECHNOLOGY

(D50420) The Welding Technology curriculum provides students with a sound understanding of the science, technology, and applications essential for successful employment in the welding and metal industry.

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

Successful 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.

Students may be required to take one or more Developmental courses as a result of pre-enrollment placement tests; therefore, the student may need more than the minimum number of contact hours listed for graduation.

General Education Requirements			Lecture	Lab	Credit
ENG	111	Writing & Inquiry	3	0	3
MAT	110	Math Measurement & Literacy	2	2	3
				Total	6

Major Requirements			Lecture	Lab	Credit
WLD	110	Cutting Processes	1	3	2
WLD	115	SMAW Stick Plate	2	9	5
WLD	121	GMAW FCAW/Plate	2	6	4
WLD	131	GTAW (Tig) Plate	2	6	4
WLD	141	Symbols & Specifications	2	2	3
				Total	18

Major Electives			Lecture	Lab	Credit
BPR	111	Blueprint Reading	1	2	2
ISC	112	Industrial Safety	2	0	2
WLD	116	SMAW (Stick) Plate/Pipe	1	9	4
WLD	117	Industrial SMAW	1	4	3
WLD	212	Inert Gas Welding	1	3	2
WLD	215	SMAW (Stick) Pipe	1	9	4
CIS	111	Basic PC Literacy	1	2	2
				Total	19

Other Requirements			Lecture	Lab	Credit
ACA	111	College Student Success	1	0	1
				Total	1

TOTAL HOURS **44**



CERTIFICATE IN WELDING TECHNOLOGY

(C50420)

			Lecture	Lab	Credit
WLD	115	SMAW Stick Plate	2	9	5
WLD	121	GMAW FCAW/Plate	2	6	4
WLD	141	Symbols & Specifications	2	2	3
WLD	117	Industrial SMAW	1	4	3
				Total	15

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