

PROGRAM PLANNING GUIDE

**WELDING TECHNOLOGY
A50420**

Replaces Curriculum Schedule with Revision Date: FA2020

Date Revised: FA2022

CURRICULUM BY SEMESTER

			Hours Per Week		
Course No.	Course Title		Class	Lab	Credits
Fall Semester					
WLD	110	Cutting Processes	1	3	2
WLD	115	SMAW (Stick) Plate	2	9	5
WLD	121	GMAW (MIG) FCAW/Plate	2	6	4
WLD	141	Symbols & Specifications	2	2	3
		English Elective	-	-	3

Spring Semester					
WLD	116	SMAW (Stick) Plate/Pipe	1	9	4
WLD	122	GMAW (MIG) Plate/Pipe	1	6	3
WLD	131	GTAW (TIG) Plate	2	6	4
		Math Elective	-	-	3

Summer Semester					
WLD	132	GTAW (TIG) Plate/Pipe	1	6	3
WLD	193A	Selected Topics in Pipe Welding	2	6	3
WLD	262	Inspection & Testing	2	2	3

Fall Semester					
ISC	121	Environmental Health & Safety	3	0	3
WLD	215	SMAW (Stick) Pipe	1	9	4
		Social Science Elective	-	-	3
		Major Elective	-	-	3

Spring Semester					
WLD	231	GTAW (TIG) Pipe	1	6	3
WLD	265	Automated Welding/Cutting	2	6	4
		Communication Elective	-	-	3
		Humanities Elective	-	-	3

Graduation Requirement Credit Hours: 66

ENGLISH ELECTIVES

			Hours Per Week		
Course No.	Course Title		Class	Lab	Credits
Credit Hours Needed:			3		
ENG	110	Freshman Composition	3	0	3
ENG	111	Writing and Inquiry (University Transfer)	3	0	3

Registrar's Office Approved 6/13/22

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COMMUNICATION ELECTIVES

			Hours Per Week		
Course No.		Course Title	Class	Lab	Credits
Credit Hours Needed:		3			
COM	110	Introduction to Communication	3	0	3
ENG	112	Writing and Research (University Transfer)	3	0	3
ENG	114	Professional Research & Reporting	3	0	3

HUMANITIES ELECTIVES

			Hours Per Week		
Course No.		Course Title	Class	Lab	Credits
Credit Hours Needed:		3			
HUM	110	Technology and Society	3	0	3
HUM	115	Critical Thinking	3	0	3
HUM	121	The Nature of America	3	0	3

MATH ELECTIVES

			Hours Per Week		
Course No.		Course Title	Class	Lab	Credits
Credit Hours Needed:		3			
MAT	110	Math Measurement and Literacy	2	2	3
MAT	121	Algebra/Trigonometry I	2	2	3
MAT	171	Precalculus Algebra (University Transfer)	3	2	4

SOCIAL SCIENCE ELECTIVES

			Hours Per Week		
Course No.		Course Title	Class	Lab	Credits
Credit Hours Needed:		3			
PSY	118	Interpersonal Psychology	3	0	3
PSY	150	General Psychology (University Transfer)	3	0	3

MAJOR ELECTIVES

			Hours Per Week		
Course No.		Course Title	Class	Lab	Credits
Major Electives		Credit Hours Needed:	3		
BUS	110	Introduction to Business	3	0	3
MEC	180	Engineering Materials	2	3	3
PHY	121	Applied Physics I	3	2	4
WBL	111	Work-Based Learning I	0	10	1
WBL	112	Work-Based Learning I	0	20	2