

Welding

Engineering & Information Technologies

2024-2025 Curriculum

Course	Title	Prerequisites	Lec	Lab	Credit Hours
Semester 1					
ENG-101	English Composition 1		3	0	3
FYE-1XX	First Year Experience		1	0	1
WLD-100	Fundamentals of Welding		2	3	3
WLD-105	Print Reading & Weld Design		2	2	3
WLD-115	Gas Metal & Flux Cored Arc Welding		2	6	4
					14

Semester 2					
MAT-105	Quantitative Reasoning		2	2	3
MET-111	Manufacturing Processes 1		2	3	3
PSY-10X	Psychology Elective		3	0	3
WLD-111	Shielded Metal Arc Welding 1	WLD 100	2	6	4
					13

Semester 3					
ENG-10X	English Composition Elective	ENG 101	3	0	3
MET-131	MET Computer Aided Drafting 1		2	3	3
WLD-260	Weldability of Metals	WLD 100	2	2	3
XXX-XXX	Arts/Humanities or Natural Science Elective		3	0	3
					12

Semester 4					
CIT-105	OSHA 10 General Industry Safety	See Catalog	1	0	1
WLD-210	Gas Tungsten Arc Welding 1	WLD 100	2	6	4
WLD-231	Pipe Welding 1	WLD 111	2	6	4
XXX-XXX	Welding Technical Elective		2	2	3
					12

Semester 5					
WLD-220	Metal Fabrication	WLD 105 & WLD 115	2	3	3
WLD-291	Full-Time Cooperative Education 1: WLD	WLD 100	1	40	2
					5

Semester 6					
WLD-250	Welding Inspection and Codes	WLD 111	2	3	3
WLD-292	Full-Time Cooperative Education 2: WLD	WLD 291	1	40	2
					5
					Total
					61

Arts/Humanities Elective: Any ART, FRN, LIT, MUS, PHI, POL, REL, SPN, THE

English Comp. Elective: ENG 102, ENG 104, ENG 105

First Year Experience Elective: FYE 100, FYE 105, FYE 110

Natural Sciences Elective: Any CHE, EVS, PHY, PSC

Psychology Elective: PSY 102, PSY 110

Welding Technical Elective: EET 101, MET 112, MET 132, MET 140, WLD 112, WLD 232