

# Welding

## *Center for Innovative Technologies Division* 2015-2016 Curriculum

Course	Title	Prerequisites	Lec	Lab	Credit Hours
Semester 1					
FYE-1XX	First Year Experience		1	0	1
PSY-1XX	Psychology Elective		3	0	3
WLD-100	Fundamentals of Welding		2	3	3
WLD-105	Print Reading & Weld Design		2	2	3
XXX-XXX	Humanities or Natural Science Elective	ENG 101	3	0	3
					13

Semester 2					
EET-101	Electronic Fundamentals 1	See Catalog	2	3	3
MAT-121	Tech Algebra & Geometry w/ Statistics		2	2	3
WLD-110	Shielded Metal Arc Welding	WLD 100	2	6	4
WLD-120	Gas Metal Arc Welding	WLD 100, WLD 110	2	6	4
					14

Semester 3					
ENG-101	English Composition 1		3	0	3
MET-1XX	Mechanical Engineering Technology Elective		2	3	3
WLD-130	Flux Cored Arc Welding	WLD 100, WLD 110	2	6	4
WLD-210	Gas Tungsten Arc Welding	WLD 120, WLD 130	2	6	4
					14

Semester 4					
WLD-291	Full-Time Cooperative Education 1: WLD		1	40	2
					2

Semester 5					
ENG-10X	English Composition Elective	ENG 101	3	0	3
MET-140	Engineering Materials	MET 111, & MAT 121 or MAT 125	2	2	3
WLD-220	Metal Fabrication	MET 111, WLD 105	2	3	3
WLD-230	Pipe Welding	WLD 210	2	6	4
WLD-250	Welding Inspection and Certification	WLD 210	2	3	3
					16

Semester 6					
WLD-292	Full-Time Cooperative Education 2: WLD	WLD 291	1	40	2
					2
Total					61

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

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

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

Mechanical Engineering Technology Elective: MET 111 or MET 131

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

Psychology Elective: PSY 100, PSY 102, PSY 110