



**CATALOG YEAR: 2021-2022  
GMAW, FCAW & GTAW, WELDING PROCESS**

**FIRST SEMESTER**

COURSE NAME	COURSE PREFIX	COURSE NUMBER	CREDIT HOURS
Occupational Orientation & Welding Safety (includes NCCER Core)	WELD	1005	3
Introduction to Welding Fundamentals	WELD	1125	3
GMAW and FCAW Plate	WELD	2155	3
GMAW and FCAW Pipe 2G	WELD	2160	
GMAW and FCAW Pipe 5G	WELD	2170	3
GMAW and FCAW Pipe 6G	WELD	2180	3
<b>SEMESTER CREDIT HOURS</b>			<b>18</b>

**SECOND SEMESTER**

COURSE NAME	COURSE PREFIX	COURSE NUMBER	CREDIT HOURS
GTAW Basic Multi-Join	WELD	2210	3
GTAW Carbon Steel Pipe 2G	WELD	2250	3
GTAW Carbon Steel Pipe 5G	WELD	2260	3
GTAW Carbon Steel Pipe 6G	WELD	2270	3
GTAW Low Alloy & Stainless Steel Pipe	WELD	2280	3
<b>SEMESTER CREDIT HOURS</b>			<b>15</b>

**CTS- GMAW, FCAW & GTAW, Welding Process= 33 credit hours**

**PRE-REQUISITES AND CO-REQUISITES**

**FIRST SEMESTER**

COURSE NAME	CO-REQUISITE	PRE-REQUISITE
WELD 1005	WELD 1125, WELD 2155, WELD 2160, WELD 2170, WELD 2180	
WELD 1125	WELD 1005, WELD 2155, WELD 2160, WELD 2170, WELD 2180	
WELD 2155	WELD 1005, WELD 1125, WELD 2160, WELD 2170, WELD 2180	
WELD 2160	WELD 1005, WELD 1125, WELD 2155, WELD 2170, WELD 2180	
WELD 2170	WELD 1005, WELD 1125, WELD 2155, WELD 2160, WELD 2180	
WELD 2180	WELD 1005, WELD 1125, WELD 2155, WELD 2160, WELD 2170	

**SECOND SEMESTER**

COURSE NAME	CO-REQUISITE	PRE-REQUISITE
WELD 2210	WELD 2250, WELD 2260, WELD 2270, WELD 2280	WELD 1005, WELD 1120, WELD 2155, WELD 2160, WELD 2170, WELD 2180
WELD 2250	WELD 2210, WELD 2260, WELD 2270, WELD 2280	WELD 1005, WELD 1120, WELD 2155, WELD 2160, WELD 2170, WELD 2180
WELD 2260	WELD 2210, WELD 2250, WELD 2270, WELD 2280	WELD 1005, WELD 1120, WELD 2155, WELD 2160, WELD 2170, WELD 2180
WELD 2270	WELD 2210, WELD 2250, WELD 2260, WELD 2280	WELD 1005, WELD 1120, WELD 2155, WELD 2160, WELD 2170, WELD 2180
WELD 2280	WELD 2210, WELD 2250, WELD 2260, WELD 2270	WELD 1005, WELD 1120, WELD 2155, WELD 2160, WELD 2170, WELD 2180