

TIG I		
Class # 1	Topics	HOURS
	Safety specifically related to GTAW. Define and understand the GTAW process. Learn parts of GTAW Equipment.	
	Learn proper tacking techniques GTAW. Practice proper welding techniques to produce acceptable weld beads. Practice welding fillet weld beads on mild steel in flat, horizontal, vertical, and overhead positions on 1/8" mild steel	
	LUNCH 11:00 - 11:30 am	Classroom Hours: 8
TIG I		
Class # 2	Topics	HOURS
	Factors that affect heat control and its importance.	
	Practice fillet welds in 2F, 3F, and 4F on various thickness of steel.	
	LUNCH 11:00 - 11:30 am	Classroom Hours: 8
TIG I		
Class # 3	Topics	HOURS
	Shielding gas selection for GTAW usage. Explain flow rates. How the type of gas affects the profile of weld penetration.	
	Practice closed and open groove welds on sheet & 1/8" plate in mild steel.	
	LUNCH 11:00 - 11:30 am	Classroom Hours: 8
TIG I		
Class # 4	Topics	HOURS
	Advanced electrode manipulation techniques. Types of tungsten, uses, and electrode preparation.	
	Preparing and practicing for certification on mild steel plate groove welds.	
	LUNCH 11:00 - 11:30 am	Classroom Hours: 8
TIG I		
Class # 5	Topics	HOURS
	Requirements and parameters for passing welding certification.	
	Certification on mild steel plate groove welds.	
	LUNCH 11:00 - 11:30 am	Classroom Hours: 8
		Total Classroom Hours: 40