Program Outcomes

- Demonstrate safe welding and thermal cutting practices.
- Perform cutting procedures using plasma and oxy-fuel techniques.
- Follow procedures to deposit sound welds using Shielded Metal Arc Welding (SMAW), Gas Metal Arc Welding (GMAW), Flux Cored Arc Welding (FCAW), and Gas Metal Arc Welding (GTAW) processes.
- Describe American Welding Society (AWS) standards as well as industrial standards as they relate to welding.
- Identify and solve common weldability problems.
- Demonstrate the proper use and care of common welding equipment.
- Identify weld defects, explain methods to prevent defects, and demonstrate proper defect repair.
- Read prints and interpret welding symbols.
- Explain knowledge of basic material and welding metallurgy.