

RANKEN

TECHNICAL COLLEGE

COURSE INFORMATION

Course Number: FWL 1200

Course Name: Welding Fabrication

WRITTEN CREDIT-BY-ASSESSMENT (CBA) COMPETENCY LIST

- Recall safety procedures for welding and cutting.
- Recall safety and theory for GMAW. (Gas Metal Arc Welding) (Mig)
- Demonstrate knowledge of the basic welding and cutting processes, the safety pertaining to them, and basic joint geometry.

HANDS-ON CREDIT-BY-ASSESSMENT (CBA) COMPETENCY LIST

- Perform oxy-fuel cutting manually using hand-held torch.
- Perform Gas Tungsten Arc Welding on small diameter piping.
- Follow safety procedures for set-up of oxyfuel cutting system, Mittler Brothers Tube Notching machine, Horizontal Band saw, and Gas Tungsten Arc Welding (GTAW) machine.
- Demonstrate proper set-up, layout, cutting, fit up, and welding techniques.