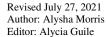# APPENDIX A

PROGRAM OUTLINE

PIPING FOUNDATIONS

Program Outline

Piping Foundations

Admission Requirements:

Grade 10 or equivalent including English 10, Math 10, And Science 10. Grade 12 preferred.

Perform Safety Related Functions

- Control Workplace Hazards
- Maintain Safe Work Environment
- Use Personal Protective Equipment (PPE) and Safety Equipment
- Perform Lock-Out and Tag-Out Procedures
- Practice Fire Prevention

Use Tools and Equipment

- Use Common Tools and Equipment
- Use Access Equipment
- Use Rigging, Hoisting, Lifting, and Positioning Equipment
- Rig Loads for Cranes
- Use Soldering and Brazing Equipment
- Use Oxy-Fuel Cutting Equipment
- Use Welding Equipment

Perform Routine Trade Activities

- Use Mathematics and Science
- Interpret Drawings and Specifications
- Use Codes, Regulations and Standards

Prepare Piping and Components

- Prepare Pipe
- Join Tube, Tubing and Pipe
- Install Pipe
- Install Valves
- Install Fittings
- Penetrate Structures

Use Communication Techniques

- Use Communication Techniques

Apply Electrical Concepts

- Use the Principle of Electricity