

## WLD – Welding

### WLD 103 Print Reading I

1 - 0 - 1

This is a basic course which includes the fundamentals of print reading, the meaning of lines, views, dimensions, notes, specifications, and structural shapes. Welding symbols and assembly drawings as used in fabrication work are also covered.

### WLD 106 Gas and Arc Welding

2 - 6 - 4

This course covers the basic principles and practices of oxyacetylene welding, cutting, and electric arc welding. Emphasis is placed on practice in fundamental position welding and safety procedures.

### WLD 110 Welding Safety and Health

1 - 0 - 1

This course is an introduction to safety and health hazards associated with welding and related processes.

### WLD 111 Arc Welding I

2 - 6 - 4

This course covers the safety, equipment, and skills used in the shielded metal arc welding process. Fillet welds are made to visual criteria in several positions.

### WLD 113 Arc Welding II

2 - 6 - 4

**Prerequisites:** ( WLD 111 )  
**Corequisites:** WLD 132, WLD 154

This course is a study of arc welding of ferrous and/or non-ferrous metals.

### WLD 116 Welding

1 - 3 - 2

This course is designed to acquaint students with common welding and techniques/equipment used currently in trades and industry. Students are expected to develop basic skills in general welding.

### WLD 132 Inert Gas Welding Ferrous

2 - 6 - 4

**Prerequisites:** ( WLD 111 )  
**Corequisites:** WLD 113, WLD 154

This course covers set up and adjustment of equipment and fundamental techniques for welding ferrous metals.

### WLD 134 Inert Gas Welding Non-Ferrous

1 - 6 - 3

**Prerequisites:** ( WLD 111 )  
**Corequisites:** WLD 140, WLD 228, WLD 229

This course covers fundamental techniques for welding non-ferrous metals.

### WLD 140 Weld Testing

1 - 0 - 1

**Prerequisites:** ( WLD 111 )  
**Corequisites:** WLD 134, WLD 228, WLD 229

This is an introductory course in destructive and non-destructive testing of welded joints.

### WLD 154 Pipe Fitting and Welding

2 - 6 - 4

**Prerequisites:** ( WLD 111 )  
**Corequisites:** WLD 113, WLD 132

This is a basic course in fitting and welding pipe joints, either ferrous or non-ferrous, using standard processes.

### WLD 201 Welding Metallurgy

2 - 0 - 2

This course covers the weldability of metals, weld failure, and the affects of heat on chemical, physical, and mechanical properties.

### WLD 228 Inert Gas Welding Pipe I

2 - 6 - 4

**Prerequisites:** WLD 132 and WLD 154  
**Corequisites:** WLD 229, WLD 140, WLD 134

This course covers the techniques used in gas tungsten arc welding of groove welds on ferrous pipe.

### WLD 229 Inert Gas Welding Pipe II

1 - 3 - 2

**Corequisites:** WLD 228, WLD 140, WLD 134

This course covers the techniques used in gas tungsten arc welding of groove welds on alloyed steel and non-ferrous pipe.