PARKLAND COLLEGE

Course Information Form (CIF)

Course Code: IRW 111

Course Title: Orientation to Ironworking

Department: Applied Sciences and Technologies
PCS Code: 1.2 - Occupational/Technical Instruction
CIP Code: 48.0506
Repeatability: 0

Effective Date: Summer 2026

Credit Hours

Catalog Notation: 2-0-2
Credit Hour Distribution:

Lecture: 2	Lab: 0	Clinical: 0	**Total: 2**

General Course Information

Catalog Description

Introduction to ironworking, math review, hazard communication, drug and alcohol awareness.

General Course Objectives

The student will know the types of skills and knowledge required to become an Ironworker Journeyman, as well as basic safety concerns in ironworking.

Minimum Placement Levels

English	Reading	Math
None	None	None

Prerequisites

Admission into the Ironworkers Apprenticeship program

Methods of Evaluation

At least 4 written examinations.

Instructional Materials and Additional Supplies

History of the Ironworker Union, International Association of Ironworkers Joint Apprenticeship Council, latest edition
Guide and Glossary, International Association of Ironworkers Joint Apprenticeship Council, latest edition
Safety, International Association of Ironworkers Joint Apprenticeship Council, latest edition
Math for Ironworkers, International Association of Ironworkers Joint Apprenticeship Council, latest edition

Course Content

General Learning Outcomes (GLOs)

- Technology: Students will demonstrate the ability to evaluate, select, and appropriately use current and emerging tools.

Course Segments and Student Learning Outcomes

Course Segment	Learning Outcomes	Lecture Hours	Lab Hours	Clinical Hours
Introduction to Ironworking	1. Describe the types of work performed by an ironworker. 2. Outline the history of the ironworking trade.	10	0	0
Math Review	1. Perform the types of math problems encountered in the ironworking trade.	15	0	0
Hazard Communication	1. Explain the need for safety on the job. 2. Demonstrate awareness of hazard communication.	3	0	0
Drug and Alcohol Awareness	1. Explain the need for sobriety on the job. 2. Abstain from use of drugs and alcohol on the job.	2	0	0

Total Contact Hours

Lecture Hours	Lab Hours	Clinical Hours
30	0	0