

## Profile Chart: Ironworker (Generalist) - Technical Training

<b>Course A:</b> IRONWORKER TRADE FOUNDATIONS	A1 Orientation I: Structure and Scope of Ironworker Trade Learning  Level One: 7 hours	A2 Trade Safety Awareness  Level One: 7 hours	A3 Tools and Equipment  Level Three: 21 hours	A4 Machinery and Equipment  Level Three: 35 hours	A5 Work Planning  Level Three: 21 hours
	A6 Orientation II: The Job of Journeywork  Level Three: 21 hours	A7 Pre-IP Review: Certification Exam Preparation (CEP)  Level Three: 58 hours			
<b>Course B:</b> TRADE COMMUNICATIONS and TECHNICAL DOCUMENTS	B1 Computer Applications and the Ironworker Trade  Level One: 16 hours	B2 Communication and Trade Documentation  Level One: 7 hours	B3 Drawings  Level One: 21 hours		
<b>Course C:</b> WELDING and CUTTING	C1 Oxy-Fuel Cutting  Level One: 20 hours	C2 Introduction to Welding  Level One: 27 hours	C3 Welding II  Level One: 35 hours	C4 Plasma Arc Cutting  Level Two: 35 hours	
<b>Course D:</b> WORKING AT HEIGHTS: RIGGING, HOISTING and CRANES	D1 Access Equipment  Level One: 21 hours	D2 Hoisting, Lifting and Rigging  Level One: 49 hours	D3 Introduction to Cranes  Level One: 21 hours	D4 Hydraulic and Conventional Cranes  Level Two: 14 hours	D5 Tower Cranes  Level Two: 21 hours
		D6 Electric Overhead Travelling Cranes  Level Three: 14 hours			
<b>Course E:</b> CONCRETE and REBAR	E1 Reinforcing I  Level One: 42 hours	E2 Reinforcing II  Level Two: 35 hours	E3 Pre-Stressing and Post- Tensioning  Level Two: 35 hours	E4 Pre-Cast Concrete Erection and Dismantling  Level Three: 42 hours	
<b>Course F:</b> STRUCTURAL STEEL and METAL- BUILDING SYSTEMS	F1 Structural Components  Level One: 21 hours	F2 Pre-Engineered Structures  Level One: 35 hours	F3 Structural-Steel Erection and Dismantling  Level Two: 35 hours		
<b>Course G:</b> ORNAMENTAL and OTHER IRONWORK SPECIALTIES	G1 Ornamental Ironwork  Level Three: 49 hours	G2 Miscellaneous Ironwork  Level Three: 40 hours	G3 Maintaining and Upgrading Ironwork  Level Three: 35 hours		