WELDING TECHNOLOGY & MATERIALS SCIENCE CERTIFICATE PROGRAM



REQUIRED Welding Economics Blodgett Seminar: Steel Weldments			Metallurgy for the Non-Metallurgist Mechanical Testing		
			Welding Inspection and Q	uality Control	
Course Name: Offered	At ASM Headquarters Cou	rse Name: Offered At Lincoln	Electric's Welding Technolog	gy And Training Center	
INDUSTRY FOCUSED COURSES Students must complete any three (3) courses within a given industry focus.					
AEROSPACE Advanced Motorsports	AUTOMOTIVE CWI Prep	GENERAL FABRICATION	HEAVY FABRICATION	LIQUEFIED NATURAL GAS	
GTAW	Pr. Alum	CWI Prep	CWI Prep	CWI Prep	
Corrosion	Basic Motorsports	GMAW	GMAW	GMAW	
Aluminum and its Alloys	Advanced Motorsports	FCAW	FCAW	Pr. Alum	
Titanium and its Alloys	GMAW	SAW	SAW	SAW	
	GTAW	SMAW	SMAW	Stainless Steel	
		GTAW		Metallurgy for Welding and Joining	
MAINTENANCE	NUCLEAR	OFFSHORE	PIPELINE	POWER	
& REPAIR	CWI Prep	CWI Prep	CWI Prep	GENERATION 8	
CWI Prep	SAW	FCAW	FCAW	PROCESS	
GMAW	GTAW	SAW	SMAW	CWI Prep	
FCAW	GMAW	SMAW	SAW	GMAW	
SAW	SMAW	GTAW	GMAW	Pr. Alum	
SMAW	Superalloys	Corrosion	Corrosion	SAW	
GTAW	Metallurgy for Welding		Principles of	GTAW	
Corrosion	and Joining		Failure Analysis	Superalloys Metallurgy for Welding	
Principles of Failure Analysis	Stainless Steel			and Joining	
PRESSURE	SHIP BUILDING	STRUCTURAL	THERMAL	WIND POWER	
VESSEL	CWI Prep	CWI Prep	ENERGY	CWI Prep	
CWI Prep	GMAW	GMAW	CWI Prep	FCAW	
GMAW	Pr. Alum	Pr. Alum	SAW	SAW	
FCAW	SAW	FCAW	Titanium	Aluminum and its Alloy	
SAW	FCAW	SMAW	Stainless Steel	Corrosion	
SMAW	SMAW	Corrosion	Corrosion		
	Corrosion				
	Stainless Steel				
	LINCOLN	COURSE ABBRE	/IATIONS		
	Aotorsports Advanced Materials F Aotorsports Basic Materials Progr	-	GTAW: Gas Tungsten Ard Im: Aluminum Solutions: Practio	•	
CWI F	Prep: CWI Prep Course		Aluminum Alloy		
FCAW:	Flux-Cored Arc Welding		SAW: AC/DC Submerged Arc W I: Introduction to Basic Plate & S		