Sierra College Energy Technician Curriculum

Skill to Job Title Mapping

	Soft Skills					Safety			Site Evaluation					System Design															Equipment & Gear					Structural		Roof		Code	Basic		Electrical		Troubleshooting			Desired	
Job Title	Customer Relations & Training	Business Skills	Insurance (Customer Training)	Documentation	Computer Literacy	Electrical Safety	Roof Safety	Ladder Safety	Property (Site Evaluation)	Energy Analysis	Energy Efficiency	Existing Electrical Infrastructure	Septic System Location	Solar Principles	General Energy	Usage History & Load Growth	System Sizing	Bid Development	System Types Pricing	Utility Billing Systems	Incentive Process	Basic Financial Skills	Permitting (Building Permits)	Drafting Skills (CAD, Line Drawing)	Project Planning (Order of Events)	All Tech Equipment	Welding, Soldering	Tool Belt, Torque Wrench	Current Volt, Irradiance Meters	Heavy Machinery	Mounting Systems	Seismic, Snow, and Wind Loading	Roofing Systems	Waterproofing	Residential Codes	Math	Reading	Basic Electrical Skills (Wiring)	Electrical Fusing & Combiner Boxes	Commissioning & Troubleshooting	Maintenance (Customer Training)	Monitoring (Web Based)	Carbon Footprint Analysis	Supply Chain Analysis
Sales	X	X	X	X	X				X	X	X	X	X	X	X	X		X	X	X	X	X				X									X	X								
Installer	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			X		X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X		
System Engineer				X	X				X	X	X	X	X	X	X	X	X			X				X		X					X	X	X	X	X	X			X		X	X	X
Estimator	X	X	X	X	X				X	X	X	X	X	X	X	X		X	X	X	X	X				X									X	X								
Project Manager	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X					X		X	X	X	X			X	X	X		
Puchaser				X	X									X	X			X	X			X				X										X	X							
Rebate Processor		X		X	X									X	X	X				X	X	X				X										X	X							
Customer Service Tech	X	X		X	X	X	X	X						X	X											X		X	X							X	X	X	X	X	X		
Inspector	X			X	X	X	X	X	X	X	X	X	X	X	X								X			X			X		X	X	X	X	X	X	X	X					
Marketing	X	X		X	X									X	X				X		X					X										X	X							
Maintenance	X	X		X	X	X	X	X						X	X											X		X	X							X	X	X	X	X	X		
Residential PV Analyst	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X		X		X					X	X	X	X	X	X	X				X		
Intern				X	X	X	X	X	X	X	X			X	X	X	X			X	X	X				X		X	X		X					X	X	X	X				
Foreman	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X			X			X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
Supervisor	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X			X			X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
Team Leader	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X			X			X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
Instructors	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Site Surveyor	X			X	X				X	X	X	X	X	X	X										X								X		X	X							
City & State Government	X	X		X	X									X	X					X	X					X										X	X							
Energy Specialist (I, II, III)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X		X		X					X	X	X	X	X	X					X		
Renewables Technician	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X		X		X					X	X	X	X	X	X					X		