MTI Academy Recommended Tracks For Training in 8 Certificate Programs

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Credit Hours	Courses #	TITLE	410-25 NEO New Employee Onboarding	100-20 QFO Qualified Furnace Operator	150-20 HTTS Heat Treat Technical Specialist	403-22 HTQS Heat Treat Quality Specialist	402-21 HTSP Heat Treat Specialist	450-21 HTMS Heat Treat Management Specialist	250-20 Keys to Supervisory Skills	401-20 General Plant & Fire Safety
		Program to Enroll Learner in All Courses at Once								
		Credit Hours	**5**	**10**	**16**	**25**	**63**	**78**	**15**	**20**
3	227-25	What is Heat Treating & its Impact	X							
1	226-25	Keys to Human Factors	X							
1	224-23	Sexual Harassment Prevention	X							
2	104-20	ABC's - Materials		X	X	X	X	X		
2	105-20	ABC's - Metallurgical Theory		X	X	X	X	X		
2	102-20	ABC's - Processes		X	X	X	X	X		
2	103-20	ABC's - Equipment		X	X	X	X	X		
2	106-20	ABC's - Quality and Inspection		X	X	X	X	X		
2	117-20	Furnace Atmospheres			X	X	X	X		
2	115-20	Hardness Testing/Evaluation			X	X	X	X		
2	118-20	Furnace Maintenance/Troubleshooting			X	X	X	X		
1	160	Principles of Operating a Heat Treat Facility				X	X	X		
1	143-21	Contract Review 101				X	X	X		
2	154	Blueprints 101				X	X	X		
2	155	Audit Compliance (Nadcap, CQI-9, MedAccred)				X	X	X		
3	161-21	Pyrometry 101				X	X	X		
2	123-21	Machining and Annealing					X	X		
2	152	Process and Atmosphere Controls					X	X		
9	135	Brazing 101					X	X		
2	163	Induction 101					X	X		
2	153	Vacuum 101					X	X		
2	142-21	Martensite Heat Treating					X	X		
2	130-21	Aluminum Heat Treating					X	X		
2	132-21	Tool Steel Heat Treating					X	X		
2	134-21	Aerospace Heat Treating					X	X		
2	124-21	Surface Treatments: Nitriding					X	X		
2	129-21	Surface Treatments: Nitrocarburizing					X	X		
2	125-21	Surface Treatments: Carbonitriding					X	X		
2	127-21	Surface Treatments: Carburizing					X	X		
2	128-21	Surface Treatments: Flame Hardening & Induction					X	X		
2	126-21	Surface Treatments: Plasma and LPC					X	X		
1	139-21	Quenchants					X	X		
1	207	Character Traits of a Leader						X	X	
1	208	Communication and Leadership						X	X	
1	209	How Effective Leaders Make Quick Decisions						X	X	
1	210	Leaders Provide the What						X	X	
1	211	How Leaders Develop Effective Teams						X	X	
1	212	Leaders and Staff Development						X	X	
1	213	Great Leaders Obtain Followers						X	X	
1	214	Getting What You Want Without a Fight						X	X	
1	215	How to Calmly Not Choke the Difficult Person						X	X	
1	216	Leadership and Attitude						X	X	
1	217	Leadership and Personalities						X	X	
1	218	Leadership and the Third Person						X	X	
3	225-21	Sexual Harrassment EE - Management Training						X	X	
1	107-1	Employee Orientation								X
2	108	Safety: General Plant Safety								X
2	107	Safety: Personal Protective Equipment								X
2	110	Safety: Confined Space								X
2	111	Safety: Lockout - Tagout								X
2	147	Safety: Endothermic Gas Management								X
8	148	Safety: Fire & Explosion Prevention								X
1	151	Safety: Global Harmonized Systems								X