

# MTI Online Academy Course Listing

Course #            Course Name

## Technical Courses

101	Heat Treating for Beginners <i>(Also in Spanish)</i>
102	ABC's of Heat Treating - Processes <i>(Also in Spanish)</i>
103	ABC's of Heat Treating - Equipment <i>(Also in Spanish)</i>
104	ABC's of Heat Treating - Materials <i>(Also in Spanish)</i>
105	ABC's of Heat Treating – Metallurgical Theory <i>(Also in Spanish)</i>
106	ABC's of Heat Treating – Inspection & Quality <i>(Also in Spanish)</i>
107	Workplace Safety Orientation <i>(Also in Spanish)</i>
108	Workplace Safety - Emergency Planning <i>(Also in Spanish)</i>
109	Workplace Safety - Hazardous Communications <i>(Also in Spanish)</i>
110	Workplace Safety - Confined Space Safety <i>(Also in Spanish)</i>
111	Workplace Safety - Lockout Tagout <i>(Also in Spanish)</i>
112	Intro to Heat Treat Technology Part 1
113	Intro to Heat Treat Technology Part 2
114	Intro to Heat Treat Technology Part 3
115	Heat Treat Evaluation
116	Heat Treatment Troubleshooting
117	Furnace Atmospheres
118	Furnace Maintenance
119	Heat Treat Equipment Part 1
120	Heat Treat Equipment Part 2
121	Heat Treat Equipment Part 3
122	Machining & Annealing Part 1
123	Machining & Annealing Part 2
124	Surface Treatments - Nitriding
125	Surface Treatments - Carbonitriding
126	Surface Treatments - Plasma Carburizing & Low Pressure Carburizing
127	Surface Treatments - Carburizing
128	Surface Treatments - Induction & Flame Laser
129	Surface Treatments - Plasma Nitriding
130	Aluminum Part 1
131	Aluminum Part 2
132	Tool Heat Treatment Part 1
133	Tool Heat Treatment Part 2
134	Aerospace & Military Part 1
135	Brazing Part 1
136	Brazing Part 2
137	Brazing Part 3
138	Brazing Part 4



[mtiacademy.com](http://mtiacademy.com)



### **Technical Courses (continued)**

139	Quenchants Part 1
140	Quenchants Par 2
141	Hardness Testing
142	Martensite & Heat Treating
143	Temperature & Pyrometry Part 1
144	Temperature & Pyrometry Part 2

### **Management Courses**

200	Management—The Mindset of a Leader
201	Management—Creating a Winning Atmosphere
202	Management—Business Planning Part 1
203	Management—Business Planning Part 2
204	Management—Cost Accounting for Heat Treating

### **Technical Sessions From Furnaces North America 2008**

301	Transferring a Part to Low Pressure Vacuum Carburizing and Gas Quenching Vacuum Technologies
302	The Keys to AMS 2750D
303	Redundant Controls on a Furnace
304	Atmospheres and Vacuum Carburizing... Where are They Suitable and Not
305	The Emerging Roles of Composites in Heat Treating
306	A New Type of Order Tracking for Commercial Heat Treaters
307	Emerging Combustion Technology.... A Future Look on Energy
308	ROI Analysis of Combustion Control of Gas Fired Heat Treat Furnaces
309	Practical Methods of Quality Nitriding
310	Process Economics and Reduction of NH <sub>3</sub> Through Controlled Gas
311	Innovative Induction Technologies
312	Advances in Induction Brazing
313	Manage Vacuum Furnaces for Maximized Profitability and Productivity
314	Improving LPC and HPGQ Quality via Advanced Control Systems
315	Rule Your Shop and Market With Real Shop Floor Technology
316	Selecting and Properly Specifying a Cooling System for Your Furnace
317	Beta-Control in Carburizing—A New Approach to Cutting Heat Treat Costs
318	Understand Atmosphere in Carburizing Applications Using Simulation and Real Time Carbon Diffusion
319	New Vacuum Gas Nitriding Furnace
320	Modeling Vacuum Carburizing Cycles