

Complete Power Plant Operations Course Bundle

488 Total Lessons

100 Safety, Health, and Plant Science (96)

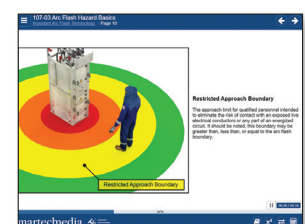
Includes all 100 series lessons in our library

101 Personal Protective Equipment (PPE)	(5)	115 Excavation and Trenching	(1)
102 Worksite Safety	(10)	116 Compressed Gas Cylinder Safety	(1)
103 First Aid	(4)	117 Hazardous Materials Safety	(10)
104 Fire Prevention	(3)	118 HAZWOPER	(6)
105 Lockout/Tagout	(1)	119 Hazard Communications	(6)
106 Confined Space Safety	(2)	122 Transportation	(2)
107 Electrical Safety	(3)	130 Behavior Based Safety Training	(7)
108 Materials Handling	(1)	131 Ergonomics	(3)
109 Rigging Safety	(1)	140 Qualified Electrical Worker	(5)
110 Scaffolding Safety	(1)	150 Environmental Awareness	(3)
111 Aerial Devices Safety	(1)	160 Construction Safety	(7)
112 Crane Operations Safety	(1)	170 Industrial Mathematics	(3)
113 Forklift Safety	(1)	171 Industrial Sciences	(7)
114 Fall Protection	(1)		

200 Industrial Maintenance (98)

Includes all 200 series lessons in our library

201 Introduction to Industrial Maintenance and the Tools of the Trade	(5)	225 Compressors	(4)
202 Belt Drive Maintenance	(8)	229 Fasteners and Seals	(6)
203 Bearing Maintenance	(6)	231 Positive Displacement Pumps	(3)
205 Gear Maintenance	(4)	243 Hydraulics	(3)
207 Rotating Machinery	(3)	271 Vibration	(3)
208 Piping and Tubing	(7)	273 Boiler Repair	(6)
209 Shaft Alignment	(7)		
211 Chain Drive Maintenance	(2)		
213 Lubrication	(5)		
215 Valve Selection and Maintenance	(15)		
219 Centrifugal Pumps	(8)		
223 Heat Exchangers	(3)		



400 Electrical Maintenance (61)

Includes all 400 series lessons in our library

401 Direct Current (DC)	(5)	417 Switchgear Maintenance	(6)
402 Alternating Current (AC)	(7)	418 Electrical Protection and Grounding	(5)
405 Power Quality	(3)	419 Motor Operated Valves	(4)
409 Industrial Motors	(10)	421 Wiring Installation	(4)
411 Motor Control and Protection	(4)	423 Cable Splicing	(2)
413 AC Drives	(1)	425 Troubleshooting Electrical Circuits	(2)
415 Transformers	(4)	427 Freeze Protection	(1)
416 Batteries, Battery Chargers, and UPS	(3)		

500 Power Generating Systems and Operations (163)

Includes all 500 series lessons in our library

501 Power Generation	(5)	560 Plant Electrical Systems	(5)
505 Turbine Auxiliaries System and Control	(4)	561 Unit Start-up and Shutdown	(4)
507 Generator Auxiliaries and System Control	(6)	563 Efficiency, Reliability, and Environmentally Sensitive Operations	(15)
511 Combustion Turbine Fundamentals	(12)	565 Plant Control System	(4)
521 Combustion Air and Flue Gas System	(6)	567 Heat Rate Optimization	(3)
522 Coal Handling	(1)	581 Diesel Power Plant Operations	(6)
523 Boiler Fuel Systems	(5)	582 Combined Cycle Power Plant Operations	(8)
531 Hydrocarbon Fired Boilers	(8)	583 Hydroelectric Power Plant Operations	(8)
533 Boiler Firing Controls and Components	(2)	584 Biomass Energy	(2)
535 Fundamental Aspects of Emission Control	(8)	585 Wind Energy	(4)
551 Circulating Water System	(10)	586 Reciprocating Engine Power Plants	(6)
553 Condensate and Feedwater Systems	(4)	587 Nuclear Energy	(2)
555 Boiler Feed Pumps	(5)	589 Solar Energy	(3)
557 Boiler Water and Steam Systems	(6)		
559 Water Treatment	(11)		

600 Instrumentation and Control (56)

Includes all 600 series lessons in our library

603 Process Control Variables	(10)
605 Test Equipment	(8)
607 Analyzers	(2)
609 Calibration and Troubleshooting	(4)
611 Prints and Drawings	(5)
613 Automated Control	(4)
615 Signal Transmission and Conversion	(4)
617 Controllers and Final Control	(3)
619 Electronics Fundamentals	(2)
621 Programmable Logic Controllers	(7)
670 Principles of HVAC and Refrigeration	(7)

NERC

**NORTH AMERICAN ELECTRIC
RELIABILITY CORPORATION**

HSI and HSL.SOS_001 are recognized by the North American Electric Reliability Corporation as a continuing education provider who adheres to NERC Continuing Education Program Criteria.

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