

POWER PLANT OPERATOR/MECHANIC

Special Note:

FORETIM1@PACBELL.NET 949-733-2874

Course Title	Base Program		Study Unit
	Course Number	Course Duration	
Addition and Subtraction	186303	(5 hours)	Print
Multiplication and Division	186304	(5 hours)	Print
Fractions, Percents, Proportions, and Angles	186305	(5 hours)	Print
Metric System	186306	(5 hours)	Print
Formulas	186307	(5 hours)	Print
Introduction to Algebra	186308	(5 hours)	Print
Practical Geometry and Trigonometry	5567	10 hours	Print
Temperature Measurement	186127	(5 hours)	Print
Energy, Force, and Power	186128	(5 hours)	Print
Fluid Measurement	186129	(5 hours)	Print
Industrial Safety	Block X33	75 hours	Print
Trades Safety: Getting Started	186104	(5 hours)	Print
Working Safely with Chemicals	186105	(10 hours)	Print
Fire Safety	186106	(10 hours)	Print
Safe Handling of Pressurized Gasses and Welding	186107	(10 hours)	Print
Working Safely With Electricity	186108	(10 hours)	Print
Material Handling Safety	186109	(10 hours)	Print
Machine Safety	186110	(10 hours)	Print
Advanced Electrical Safety (replaces 186005)	186111	(10 hours)	Print
Introduction to Print Reading	186080	8 hours	Print
Piping: Drawings, Materials, and Parts	186047	8 hours	Print
Welding Symbols	186048	8 hours	Print
Electric Drilling and Grinding Tools	186054	5 hours	Print
Power Cutting Tools	186055	5 hours	Print
Pneumatic Hand Tools	186056	5 hours	Print
Problem Solving and Troubleshooting	186073	10 hours	Print
Fasteners	286095	10 hours	Print
Bearings and Seals	286093 - 286094	20 hours	Print
Lubrication	286091 - 286092	20 hours	Print
Principles of Mechanics	286007 - 286008	20 hours	Print
Mechanical Power Transmission Part 1	286101	10 hours	Print
Mechanical Power Transmission Part 2	286102	10 hours	Print
Belt Power Transmission, Part 1	2607A	10 hours	Print
Hydraulic Systems Series	286060 - 286065	60 hours	Print
Pumps	286001 - 286003	30 hours	Print
Preventive Maintenance	286085	5 hours	Print
Preventive Maintenance Techniques	286086	5 hours	Print
Fundamentals of Welding	286025 & 286066	20 hours	Print
Common Thermal Cutting Processes	286028	10 hours	Print
Safety in Welding and Cutting	6154	10 hours	Print
Rigging Technology Series	286016 - 286021	60 hours	Print
Heat, Part 1	686001	10 hours	Print
Heat, Part 2	686002	10 hours	Print
Steam	2620	10 hours	Print

Heat Transfer	2545	10 hours	Print
Types of Steam Generators	6632	10 hours	Print
Steam Generator Accessories	2585	10 hours	Print
Steam Turbine Management and Governing	2506	10 hours	Print
Pipefitting Practice	5581	10 hours	Print
High Pressure Pipefitting	2452	10 hours	Print
Insulation for Pipefitting	6814	10 hours	Print
Control Technology for Technicians	286M04	45 hours	Print
Automatic Process Control Valves	6307	10 hours	Print
Feedwater Treatment and Equipment	6727	10 hours	Print
Fundamentals of Power Plant Operation, Part 1	786005	10 hours	Print
Fundamentals of Power Plant Operation, Part 3	786007	10 hours	Print
Power Plant Water Treatment Part 1	786008	10 hours	Print
Power Plant Water Treatment Part 3	786010	10 hours	Print
Station Power	786011	10 hours	Print
Power Plant Steam Flow Paths, Part 1	786021	10 hours	Print
Power Plant Steam Flow Paths, Part 2	786022	10 hours	Print
Power Plant Steam Flow Paths, Part 3	786023	10 hours	Print
Power Plant Auxiliary Equipment	786024	10 hours	Print
Power Plant Fuel & Emission Systems, Part 1	786018	10 hours	Print
Power Plant Fuel and Emission Systems, Part 2	786019	10 hours	Print
Power Plant Fuel and Emission Systems, Part 3	786020	10 hours	Print
Transformers	4040	10 hours	Print
Transformer Operation	4041	10 hours	Print
Distribution and Power Transformers	4042	10 hours	Print
Switchgear	086092	10 hours	Print
Local Distribution of Electrical Power	006038	10 hours	Print
Underground Power Systems	006039	10 hours	Print

Estimated Total Curriculum Duration: 799 hours.

Number of Exams: 89.