



POWER ENGINEER 2nd CLASS

2015

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Power Engineer (2nd Class)
Program Structure - Nova Scotia Apprenticeship Program

The courses listed below are required technical training in the Nova Scotia Power Engineer (Second Class) Apprenticeship Program.

Nova Scotia Course No.	Nova Scotia Course Name	Covers Content of SOPEEC Recommended Study Units	Prepares for SOPEEC Examination Papers
Part "A"			
PESC-1801	Industrial Legislation	ASME Code Calculations	1
		Industrial Administration	1
PESC-1802	Applied Mechanics	Applied Mechanics	1
PESC-1803	Thermodynamics	Thermodynamics	2
PESC-1804	Metallurgy	Metallurgy	2
		Testing of Materials	2
PESC-1805	Boilers	Boilers	3
PESC-1806	Pumps and Water Treatment	Pumps	3
		Water Treatment	3
Part "B"			
PESC-1807	Heat Engines and Prime Movers	Heat Engines and Prime Movers	1
PESC-1808	Lubrication, Piping and Mechanical Drawing	Lubrication	1
		Piping	1
		Mechanical Drawing	1
PESC-1809	Plant Systems and Instrumentation	Power Plant Systems	2
		Control Instrumentation	2
PESC-1810	Fuels and Combustion and Environmental Protection	Fuels and Combustion	2
		Environmental Protection	2
PESC-1811	Electro-technology	Electro-technology	3
PESC-1812	Compression and Refrigeration	Principles of Air and Gas Compression	3
		Industrial/Commercial Refrigeration	3