



### WHAT YOU WILL LEARN

You will receive training in boiler operations, air conditioning, heating, refrigeration and water treatment systems through classroom training. The program also requires two three-week labs in Saskatoon and one 60-hour work placement (costs to attend the power labs and work placement are the responsibility of the student).

The program will prepare you to write the two Fourth Class Interprovincial examinations.

Upon obtaining your Fourth Class Power Engineering license, you may go straight into the workforce or enrol in the Third Class Power Engineering program.

### ENTRANCE REQUIREMENTS

- Grade 12 with Foundations of Math 30 or Pre-Calculus 30
- Minimum overall average of 65%

- English language requirement
- Chemistry and physics are not required, but are strongly recommended

Please note that if you do not meet these entrance requirements, special admissions options may be available.

### SCHOLARSHIP ELIGIBLE

Apply before April 30 and you may be eligible for a \$500 - \$5,000 Entrance Scholarship.

### COURSE LIST

#### Semester 1

- COMP 172 - Introduction to Microsoft Word and Excel
- ELEC 188 - Basic Electricity 1
- ENGP 179 - Applied Mechanics (4th Class)
- ENGP 180 - Power Lab 1
- ENGP 181 - Plant Maintenance 1
- ENGP 190 - Boiler and Boiler Systems
- INST 182 - Instrumentation
- MATH 299 - Intermediate Algebra and Basic Trigonometry

- SFTY 172 - Safety, Legislation and Codes
- TCOM 105 - Communications for Technicians
- THER 185 - Thermodynamics (4th Class)

#### Semester 2

- CLTR 200 - Culture and Diversity
- ENGP 178 - Heating Systems
- ENGP 183 - Prime Movers
- ENGP 186 - Pumps, Compressors and Lubrication

- ENGP 187 - Power Lab 2
- ENGP 188 - Plant Operation and Maintenance
- ENGP 191 - Boiler Controls and Safety Devices
- PROP 198 - Plant and Process Operations
- RFRG 183 - Air Conditioning
- RFRG 195 - Refrigeration (4th Class)
- WTER 182 - Water Treatment (4th Class)
- WORK 185 - Work Experience 1

Visit [www.greatplainscollege.ca/programs](http://www.greatplainscollege.ca/programs) for detailed course descriptions.

### For more information:

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