



### WHAT YOU WILL LEARN

Build on your Fourth Class foundation and expand your knowledge of high and low-pressure boiler operations, water treatment systems, pump operations, controls and instrumentation, air conditioning and refrigeration, checking and maintaining equipment, using computers to monitor plant operations, plant safety, environmental (pollution) management and communications.

The program also requires a three-week power lab in Saskatoon and a 60-hour work placement (costs to attend the power lab and work placement are the responsibility of the student). Students will cover the theory required to prepare them for the third class interprovincial exams during the duration of this program.

#### ENTRANCE REQUIREMENTS

- Fourth Class Power Engineering License or Technician Certificate
- Current WHMIS certification is required.
- A mandatory orientation lab is required for students who did not complete their lab

training at the Saskatoon Saskatchewan Polytechnic lab while obtaining their fourth class designation.

- Students may wish to obtain Standard First Aid & CPR "A" and H2S Alive certificates prior to the start of program. Many employers require the certifications for work placements.

- English language requirement.

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

#### SCHOLARSHIP ELIGIBLE

Apply before February 28 and you may be eligible for a \$500-\$5,000 Entrance Scholarship.

### COURSE LIST

#### Semester 3

- CLTR 200 - Culture and Diversity
- ENGP 284 - Applied Mechanics (Third Class)
- ENGP 296 - Chemistry, Metallurgy and Drawings
- MATH 390 - Technical Mathematics for Engineering Calculations

- THER 281 - Thermodynamics (Third Class)

#### Semester 4

- ELEC 291 - Basic Electricity 2
- ENGP 280 - Refrigeration (3rd Class)
- ENGP 285 - Power Lab 3
- ENGP 286 - Codes and Calculations 1

- ENGP 290 - Pumps and Compressors
- ENGP 292 - Prime Movers and Plant Auxiliaries
- ENGP 297 - Combustion, Piping and Plant Management
- INST 280 - Controls and Instrumentation

- PROP 280 - Process Simulations 2
- STEA 286 - Steam Generation (Third Class)
- WORK 186 - Work Experience 2
- WTER 280 - Water Treatment (Third Class)

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

#### For more information:

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