



### WHAT YOU WILL LEARN

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

You will also study Fourth Class interprovincial standardized material as preparation to challenge the interprovincial Fourth Class examinations, and write the provincial exam to obtain the Refrigeration Engineers Certificate required to operate larger refrigeration plants in Saskatchewan.

As a graduate of this full-time program you may go straight into the workforce or enrol in Third Class Power Engineering.

#### ENTRANCE REQUIREMENTS

- Grade 12 with Foundations of Math 30 or Pre-Calculus 30
- Minimum overall average of 65% using a specific combination of subjects

- English language requirement
- Chemistry and physics 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. Apply before June 30—if you are in Grade 11 and have a 70% average, you may be eligible for a \$1,000 Early Entrance Award.

#### COURSE LIST

- ENGP 103 - Legislation and Codes
- ENGP 180 - Power Lab 1
- ENGP 181 - Plant Maintenance 1
- MATH 299 - Intermediate Algebra and Basic Trigonometry
- SFTY 172 - Safety
- THER 185 - Thermodynamics 1
- ELEC 188 - Basic Electricity 1
- ENGP 178 - Heating Systems
- ENGP 179 - Applied Mechanics 1
- ENGP 183 - Prime Movers
- ENGP 186 - Pumps/Compressors/Lubrication
- ENGP 187 - Power Lab 2
- ENGP 188 - Plant Operation & Maintenance
- ENGP 190 - Boiler & Boiler Systems
- ENGP 191 - Boiler Safety Devices
- INST 182 - Instrumentation
- PROP 141 - Process Simulations 1
- PROP 198 - Plant and Process Operations
- RFRG 183 - Air Conditioning
- RFRG 195 - Refrigeration Systems
- TCOM 105 - Communications for Technicians
- WORK 185 - Work Experience 1
- WTER 182 - Water Treatment 1

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

#### For more information:

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