



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

Semester 1

- COMP 172 - Introduction to Microsoft Word and Excel
- ELEC 188 - Basic Electricity 1
- ENGP 179 - Applied Mechanics 1
- ENGP 180 - Power Lab 1
- ENGP 181 - Plant Maintenance 1
- ENGP 190 - Boiler & 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 & 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-courses for detailed course descriptions.

For more information:

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