

POWER ENGINEERING (FOURTH CLASS)

8-MONTH CERTIFICATE (SASKATCHEWAN POLYTECHNIC)
SWIFT CURRENT



CAREER OPPORTUNITIES

Graduates are prepared to work as power engineers or process operators in utility and power plants, refineries, hospitals, pulp and paper mills, breweries, mines, heavy oil upgraders and gas processing, fertilizer or chemical plants.

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EARNING POTENTIAL

In 2016, the average annual wage range for full-time power engineers or process operators in Saskatchewan was \$66,100 - \$99,000 according to the Saskatchewan Ministry of the Economy. Employees may earn more or less depending on their employer, location, size of company, level of training, experience and hours worked.

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 after receiving your certificate.

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 recommended

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

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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
- STEA 184 - Steam Generation 1
- THER 182 - Thermodynamics 1
- ENGP 179 - Applied Mechanics 1
- ELEC 188 - Basic Electricity 1
- ENGP 178 - Heating Systems
- ENGP 183 - Prime Movers
- ENGP 186 - Pumps/Compressors/Lubrication
- ENGP 187 - Power Lab 2
- ENGP 188 - Plant Maintenance 2
- INST 182 - Instrumentation
- PROP 141 - Process Simulations 1
- PROP 198 - Plant and Process Operations
- RFRG 183 - Air Conditioning
- RFRG 195 - Refrigeration Systems
- TCOM 102 - Communication in Technology
- WORK 185 - Work Experience 1
- WTER 182 - Water Treatment 1

Visit www.greatplainscollege.ca/programs-courses for detailed course descriptions.

SCHOLARSHIP ELIGIBLE

Apply before April 30, 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 are eligible for a \$1,000 Early Entrance Award.

FIND OUT MORE

To find out more about the Power Engineering Fourth Class program, book an appointment with a student adviser today.

Toll-free: 1 (866) 296-2472

Swift Current: (306) 773-1531

Email: info@greatplainscollege.ca

