

4TH CLASS POWER ENGINEERING CERTIFICATE

2022/2023



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4th CLASS POWER ENGINEERING CERTIFICATE

A Power Engineer is a person skilled in the overall operation of a power (steam) plant or process. This includes the operation of high and low-pressure boilers and related areas such as water treatment, pump operation, instrumentation, electricity, fuels and combustion, air compressors, maintenance, housekeeping, and refrigeration. Provincial legislation requires the certification of employees before they assume responsibilities in heating and power plants.

WHY CHOOSE A CAREER IN POWER ENGINEERING?

- ▶ Career with high earning potential and excellent wage packages.
- ▶ Quality of work life.

ADMISSION REQUIREMENTS

- ▶ High School Diploma including a minimum of:
 - 50% in English 30-1 or English 30-2
 - 65% in Mathematics 30-1 or 70% in Mathematics 30-1
 - 65% in Chemistry or Physics 30
- ▶ Applicants who do not meet the above requirements but hold a minimum of 60% average in the prerequisites will be placed on a waitlist.
- ▶ **Please note, admission requirements are currently under review and may be subject to change.*

MATURE STUDENT ADMISSION

Applicants who have been out of school for at least one full year and do not meet the requirements for admission may request a review of their education and prior work skills by contacting the Admissions Office.

GRADUATION

The student must adhere to the following attendance record to be eligible for a certificate in Power Engineering from Northwestern Polytechnic:

- ▶ Minimum of 90% of all lecture classes.
- ▶ Strict 100% attendance in all labs.

PROGRAM LENGTH

One-year certificate program, 27 weeks (30 Credits). Throughout the academic year, students will have the opportunity to write the related 4th Class Power Engineering ABSA exam on campus.

CLASSROOM AND STUDY HOURS

The curriculum is subject to change in accordance with ABSA regulations and changes to the National SOPEEC syllabus. Students will spend a total of 32 hours per week in class, including 4-6 hours in labs. Students can expect to study outside of class for approximately 2-3 hours each evening and 6-8 hours each weekend.

STEAM TIME

The program will offer 224 hours of labs and will supply one work practicum of 6 weeks (240 hours) to satisfy ABSA requirements for the 4th Class certification under SOPEEC.

TO APPLY OR REGISTER

If you are interested in applying, we have a [how-to guide for ApplyAlberta](#). Please note, your application cannot be processed without the [initial fee payment](#).

CONTACT STUDENT SERVICES:

TF 1-888-539-4772 F 780-539-2832

E studentinfo@nwpolytech.ca nwpolytech.ca/apply

FOR FURTHER INFORMATION:

T 780-539-2066 F 780-835-6781

E experience@nwpolytech.ca