

3RD CLASS POWER ENGINEERING CERTIFICATE

2022/2023



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3rd 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.

The courses delivered in this program are recommended to align with SOPEEC and its curriculum requirements, as well as current Industry practices. ABSA has approved our Power Lab to utilize the facility and reduce steam time in Industry. Students will demonstrate their knowledge and understanding of basic chemistry, corrosion metallurgy and plant diagrams.

THE COURSE PROVIDES 3RD CLASS CERTIFICATION THROUGH ABSA AND THE FOLLOWING:

- ▶ 36 weeks of theory.
- ▶ 224 hours of labs.
- ▶ The opportunity to write four 3rd Class exams administered by ABSA.
- ▶ Reduction in steam time.

ADMISSION REQUIREMENTS

- ▶ A valid 4th Class Power Engineering Certificate from ABSA.

OUT-OF-PROVINCE CERTIFICATE TRANSFERABILITY

- ▶ An individual may apply to Alberta to transfer their out-of-province work experience for consideration in Alberta.
- ▶ They are required to fill out application form AB-130, complete an experience testimonial used in the appropriate jurisdiction where the experience is earned, and pay the current fee.
- ▶ ABSA will contact the appropriate provincial authorities to verify the experience.

PROGRAM LENGTH

Upon completion of the program, students have 7 years to obtain the required 240 hours of steam time from a recognized facility to gain their 3rd Class Power Engineering accreditation.

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.

CAREER SCOPE

The 3rd Class Power Engineering Certificate of Competency entitles the holder to be:

- ▶ Chief Engineer of a 3rd or lower class plant; or
- ▶ Shift Engineer of a 2nd or lower class; or
- ▶ A person in charge of any type or size of refrigeration plant.

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

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