

Full and Part Time 2024 – 2025

PROGRAM LENGTH: **Full-time** - 8 months continuous study **OR** **Part-time** – 6 months to complete each course
(online access for maximum 24 months) (online access for maximum 24 months)

****Full-time** is for student-loan funded students requiring a specific program start and end date.

BRIEF DESCRIPTION: This program prepares students to write the Alberta Boiler Safety Association (ABSA) 4th Class Power Engineer's Certification of Competency examinations. Power Engineering is an ABSA-accredited certification governing the operation and maintenance of boilers and associated equipment in heating plants and other industrial settings.

EMPLOYMENT OPPORTUNITIES: Graduates operate boilers and associated equipment at large scale industrial facilities. In the local region, these include mills and waste treatment plants. Outside the region, they also include power plants, refineries, breweries, large gas plants and steam assisted heavy oil recovery projects.

PROGRAM OF STUDY: **PWEN0401 Power Engineering 4th Class A**
PWEN0402 Power Engineering 4th Class B

FURTHER EDUCATION: Power engineering certification can start at the 5th Class or 4th Class level and progress up to the 1st Class level. Training and experience requirements to write provincial exams differ for each class of ticket. To determine requirements, you can consult the Engineers' Regulations of the Alberta Safety Codes Act or visit www.absa.ca. Once the student has completed and passed this program, it is the student's responsibility to:

- 1) Apply for and pass the Provincial exams administered by the Alberta Boiler Safety Association (ABSA).
- 2) Seek and complete 6 months of ABSA approved work experience.

PROGRAM DELIVERY: Northern Lakes College offers Power Engineering 4th Class as an online learning program supported by recorded lectures, online quizzes, online assignments and a written final exam. The student's study from their preferred location and at their own preferred time of day but with specific deadlines to meet. Access to a high-speed internet connected computer with speakers or headset and microphone is required.

ADMISSION REQUIREMENTS: Valid 5th Class Power Engineering Certificate of Competency or Credit in Math 10C or equivalent and successful completion of or currently enrolled in English 20-2 or equivalent. MATH0190 and ENGL0190 can be used in lieu of the academic requirements. If academic requirements are not met, you may complete an ACCUPLACER assessment. ACCUPLACER minimum levels: 246 in Reading; 245 in Arithmetic; and 241 in QAS. Contact your nearest campus to set up an appointment.

COST ESTIMATES: **Note: All fees are subject to change.**

	Tuition	SA	Technology	Total
Power Engineering 4th Class A	\$1,105.00	\$162.50	\$156.00	\$1,423.50
Power Engineering 4th Class B	<u>\$1,105.00</u>	<u>\$162.50</u>	<u>\$156.00</u>	<u>\$1,423.50</u>
TOTAL ESTIMATED COSTS:	\$2,210.00	\$325.00	\$312.00	\$2,847.00

PROGRAM OFFERINGS: Full time (once per year) and Part time funding eligible offerings are offered (twice per year) for applicants applying for student loan funding which requires a specific end date. Full time and Part time funding eligible offerings requires students to complete the courses (listed above) sequentially with a two week break between each. The Part time continuous program provides students with monthly start dates and a more leisurely pace if they are employed or have other commitments. See offering dates below for specific dates.

OFFERING DATES: **Part-time (continuous):** 1st of every month
Part-time: July 1, 2024 -up to 3 years to complete

Full-time: September 3, 2024 – May 9, 2025

DEADLINES: Applications for Part-Time studies are accepted on a continual basis. Applications for full-time, funded studies will be accepted up to the program start date. Part-Time students: Classes start on the first of each month. Enrollment deadline is the 10th of the previous month. For example, if you would like your course to start on June 1, your enrollment request must be submitted to the program area by May 10.

Tuition payment deadline: 2 weeks prior to the offering date (payment is required to start your course).

APPLICATION PROCESS:

- **APPLICATION:** Complete and submit the Northern Lakes College application form online at www.northernlakescollege.ca. Applications can also be submitted through www.applyalberta.ca by selecting Northern Lakes College.
- **TRANSCRIPTS:** Provide an official high school and/or post-secondary transcript. This must be forwarded directly to Northern Lakes College, Admissions Services, from the granting institution (there may be a charge for this). If the high school is in Alberta, the College may be able to obtain marks directly from Alberta Education. When transcripts are received at NLC, they are reviewed to determine if the academic requirements for admission to the program are met.
- **ACADEMIC SKILLS APPRAISAL:** If transcripts are not available or do not show the academic requirements, applicants may complete a skills appraisal test. The College uses ACCUPLACER for the entrance requirements. If testing is required, the applicant will be informed and arrangements must be made for writing the test. Although every effort will be made to set up the testing at a location and time most convenient for the applicant, it may be necessary to travel to a college campus for this.
- **ACCEPTANCE:** Applicants who meet the academic requirements will be accepted and offered a space in the preferred offering of the program. Applicants will receive a letter informing them of their acceptance status with fee information, and providing information about the program and the power engineering field. Applicants are encouraged to contact the Resource Technology Team (contact information below) if they have questions or require clarification about the information provided.
- **FOLLOW-UP:** Applicants who meet the academic requirements will be required to have a follow-up call with a Program Administrator in the Resource Technology Department to discuss program details, verify student details, course selection etc. Applicant is enrolled in selected course once follow-up call is completed.
- **REGISTRATION:** Accepted applicants are required to submit full payment/payment arrangements **2 weeks prior to the scheduled offering start date**. If payment is not submitted by this date, the application will be closed and the applicant will need to contact Admissions to re-apply for the next available offering.
- **FUNDING:** Applicants for the full-time program are encouraged to check on funding options early (minimum of 3 months prior to program start date) and are responsible for forwarding any sponsorship letters to Admissions as soon as possible. Counsellors can assist with identifying funding options and applying for sponsorship of fees and living costs. Specific awards related to this program include: CNRL, Dual Credit Bursary, and Success in Skills Canada Scholarship. Please visit the NLC website: <https://www.northernlakescollege.ca/prospective-students/financial-aid-scholarships-funding/scholarships-awards> Financial Aid, Scholarships and Funding page to learn more.

CONTACT INFORMATION:

For any assistance, questions or concerns, the following college staff is available:

Program Administrator: **Trades and Resource Technology 1-780-843-8365**
email: power_eng@northernlakescollege.ca
Questions about program content and employment opportunities for the program.

Other Inquiries: **Admissions Services 1-866-652-3456**
email: admissions@northernlakescollege.ca
Including General inquiries about College services & programs student housing, library, facilities