Information about Dual Credit
4th Class Power Engineering
From Northern Lakes College

Why take dual credit Power Engineering 4th Class (PE4)?

1. Earn up to 25 high school credits toward their high school diploma plus credits toward the Power Engineering 4th Class certificate from Northern Lakes College. In addition, students have the potential to earn an additional 10 to 25 high school credits in work experience through a summer internship or job placement.
2. Save money. Your high school may cover some costs. Check with your school to determine if they cover any expenses.
3. Determine if Power Engineering is a career you want to pursue.
4. Improve your chances of getting employment, plus certified PE4s earn more money.
5. Qualify for a $500 tuition bursary. Dual credit students who successfully complete their courses qualify for a tuition bursary if they continue their post-secondary education with Northern Lakes College.

Location:

The program is available at any school with a high-speed internet connection. It is recommended that students use a computer or laptop to access our online asynchronous learning platforms. Study anywhere, anytime online!

What is Asynchronous Learning?

The theory portion of this course is offered asynchronously. This means that instruction and learning do not occur at a specific time or place. Instead, instructions and learning are provided through pre-recorded video lessons, learning tasks, reference materials, testing, and other sourced materials.

This does not, however, mean the student learns on their own, as an instructor is on hand to facilitate any questions the students may have through a variety of instructional interactions, including email exchanges, online discussion boards, and course-management systems that allow for live interactions with virtual whiteboards and presentation capabilities.

Qualified instructors are available throughout the program and typically offer support via telephone, email and video-conferencing within scheduled office time, where students can learn or discuss topics related to the program.

Date/time:

1. Sept 16, 2024, to June 6, 2025.
2. The deadline for applications is August 2, 2024.

Prerequisites:

- Math 10C and completed or co-enrolled in English 20-2.

Program Overview:

- Alberta Boiler Safety Association (ABSA) sets program content and expectations, and dual credit students are required to meet the same expectations as the adult students in the program.
- The Dual Credit Power Engineering 4th Class program requires a significant commitment on behalf of the student, the parent, the high school, and the College. Therefore, the program is intensive; be sure you are ready to commit before applying.
- Students must be motivated, self-directed learners, as they must work through the content independently.

Program Details:

1. Students are expected to adhere to the schedule the College provides.
2. Summer internships (job placements) for meeting steam time requirements may be available to dual credit students. Internships are established through the school in partnership with industry or with Careers: The Next Generation.
3. Students that successfully complete Part A & B theory portions of the program will meet the admission requirements for the 4th Class Power Engineering Lab Certification (5 weeks), which provides students with the required 200 hours of steam time needed for certification. The lab is not part of the dual credit program and would have to be paid for by the student. Northern Lakes College is proud to offer a 4th Class Power Engineering Lab Certification at the NLC Shell Canada Power Engineering & Technology Centre in Peace River. The cost is approximately $6500.
4. For more information about the Northern Lakes College Dual Credit Power Engineering 4th Class program, please check out the College website: https://www.northernlakescollege.ca/prospective-students/dual-credit.

Certification Requirements for Power Engineers

1. Successfully complete the theory portion at a post-secondary institution.
2. Successfully complete regulatory certification exams through ABSA.
3. Successfully complete the necessary steam time in a steam lab or at a worksite.

For more information about certification criteria, check out the Alberta Boilers Safety Association website: https://www.absa.ca/examination-and-certification/power-engineers/1st-class-5th-class-pe/ .

Students and parents may request an orientation/information session before beginning the program. Please get in touch with tradesaccount@northernlakescollege.ca to make an appointment.

For more information about a career as a Power Engineering 4th Class, check out the Alberta Learning Information Service website at www.alis.alberta.ca.