

# POWER AND PROCESS OPERATIONS

## Formerly Known as Process Operations

### PROGRAM OVERVIEW

The Power and Process Operations program prepares students for careers as Operators. Operators control machinery and processes in manufacturing and processing facilities.

Students are eligible to write Part A of their 4<sup>th</sup> Class Power Engineering Alberta Boiler Safety Association (ABSA) after successfully completing the 1<sup>st</sup> semester, and can write Part B upon successful completion of the 2<sup>nd</sup> semester.

The program consists of 30 weeks of classroom and lab time, and focuses on:

- Plant operations
- Hands-on work experience in our world-class labs
- Chemistry and corrosion
- Mathematics
- Communication

### PROGRAM LENGTH

Eight-month certificate program, consisting of two 15-week semesters. Fall start. Full-time study.

### CREDENTIALS & ACCREDITATION

After successfully completing this program, graduates will receive a SAIT certificate in Power and Process Operations.

### ADMISSION REQUIREMENTS

Alberta High School Diploma or equivalent with at least 60% in the following courses or their equivalents: English Language Arts 30-1 or English Language Arts 30-2, and Applied Math 30.

*For complete admission requirements visit [sait.ca](http://sait.ca).*

### THE SAIT ADVANTAGE

- Graduate work-ready in only eight months
- Learn from industry-experienced and professionally-trained instructors
- Apply for a chance to receive a piece of nearly \$200,000 in student awards available for MacPhail School of Energy students, in addition to awards available for all students
- Benefit from curriculum that is guided by our partners in industry to ensure that it remains up-to-date and relevant
- Enjoy world-class facilities including our brand-new Power Engineering Building
- Take comfort in the fact that MacPhail School of Energy graduates have a high employment rate and earn the highest starting salaries at SAIT

### MACPHAIL SCHOOL OF ENERGY

The MacPhail School of Energy is the first school of energy in Canada and one of only a handful of energy schools in North America.

The MacPhail School of Energy offers a range of energy training programs and applied research for students at all points in their careers.

Whether you are just starting-out, looking to make a career change, or want to build on your career experiences, we have a program that will suit your needs.

Training is available in all major areas of the energy industry, including petroleum, electrical, chemical, power, instrumentation, chemical engineering, environmental, and energy asset management.

The MacPhail School of Energy prepares students to meet the demands of the energy sector through our degree, diploma, certificate and apprenticeship programs, distance and continuing education courses, and corporate training solutions.

## TRANSFER OPTIONS

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Through SAIT Polytechnic transfer agreements and institution partnerships, graduates of this SAIT program may be eligible for credit at other universities and colleges.

*For more information visit [sait.ca/transferoptions](http://sait.ca/transferoptions).*

## YOUR CAREER

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Power and Process Operators are responsible for the daily and safe running of processing equipment at industrial plants. Graduates find work in process operations as plant, battery, process, and field operators.

Opportunities for employment exist in processing industries such as petrochemical, fertilizer, pulp and paper, natural gas processing, metallurgical, petroleum refining, utilities, manufacturing and production, building management and operations, and food & beverage production.

In 2010, SAIT Power and Process Operations graduates had a 100% employment rate.\*

## CAREER RESOURCES

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**Alberta Occupational Profiles:**  
[alis.gov.ab.ca](http://alis.gov.ab.ca)

**Petroleum Human Resources Council of Canada:**  
[careersinoilandgas.com](http://careersinoilandgas.com)

## INDUSTRY ASSOCIATIONS

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**Alberta Boilers Safety Association (ABSA):**  
[absa.ca](http://absa.ca)

## GRADUATE EMPLOYMENT STATISTICS

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**2010 Power and Process Operations Graduates:**  
Average starting salary: \$66,250\*

## EXPERIENCE SAIT

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### Open House

Come to our Open House events in October and February to learn more about this and other programs, to tour our training facilities and to meet our instructors.

*For more information visit [sait.ca](http://sait.ca).*

### Information Sessions

Parents and students are welcome to attend a free information session to learn more about this program and career opportunities.

### Student for a Day

Come try out one of our programs for yourself by registering for our free Student for a Day program. You will spend a day going to classes, touring campus, and experiencing what life is like at SAIT.

*For dates and more information on Information Sessions or Student for a Day, visit [sait.ca/energy](http://sait.ca/energy) and view our Events page.*

## FOR MORE INFORMATION

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### To learn more about SAIT:

[sait.ca](http://sait.ca)  
[furtheryourpassion.ca](http://furtheryourpassion.ca)

### Program details:

[sait.ca/energy](http://sait.ca/energy)

### Student scholarships and awards:

[sait.ca/studentawards](http://sait.ca/studentawards)

### Additional resources available at [sait.ca](http://sait.ca):

- Career Counselling
- Academic Upgrading
- English Language Foundations
- Prior Learning Assessment and Recognition

## CONTACT US

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**MacPhail School of Energy**  
403.284.8451  
[energy.info@sait.ca](mailto:energy.info@sait.ca)

**Find us on Facebook:**  
[facebook.com/saitenergy](https://facebook.com/saitenergy)

**Visit our Blog:**  
[saitenergy.wordpress.com](http://saitenergy.wordpress.com)

**SAIT Student Services**  
403.284.7248  
1.877.284.7248  
[advising@sait.ca](mailto:advising@sait.ca)



1. Download a free QR code reader.  
2. Take a picture/Scan the QR code.  
3. This code will dial the MacPhail School of Energy phone number.