

INSTRUMENTATION ENGINEERING TECHNOLOGY

PROGRAM OVERVIEW

Instrumentation is the art and science of measuring and controlling pressure, temperature, flow, and level in industrial processes.

Instrumentation Engineering Technology provides students with sound theoretical and practical training in the design, operation, and maintenance of automated process control and measurement systems.

The Instrumentation Engineering Technology program focuses on:

- Process Measurement and Controls
- Process Analyzers
- Digital and Analog Electronics
- Pneumatic and Electronic Instruments
- Distributed and Computer Process Control Systems (DCS, PLC & SCADA)

PROGRAM LENGTH

Two-year program, consisting of four 15-week semesters. Fall start. Full-time study.

CREDENTIALS & ACCREDITATION

After successfully completing this program, graduates will receive a SAIT diploma in Instrumentation Engineering Technology.

The program is nationally accredited by the Canadian Technology Accreditation Board.

ADMISSION REQUIREMENTS

Alberta High School Diploma or equivalent with at least 55% in the following courses or their equivalents: Pure Math 30, English Language Arts 30-1 or English Language Arts 30-2, Physics 20, and Chemistry 20 or Science 30.

For complete admission requirements visit sait.ca.

THE SAIT ADVANTAGE

- Graduate work-ready in only two years
- 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 and the soon-to-be-completed, \$400 million Trades & Technology Complex
- 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.

FROM DIPLOMA TO DEGREE

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.

YOUR CAREER

Instrumentation Engineering Technology is an expanding field with new innovations and technology.

Jobs in Instrumentation Engineering Technology apply knowledge and principles of pneumatic, electronic and microcomputer systems to measure and control pressure, flow, temperature level, chemical composition, and other variables in industrial processes.

Opportunities for employment exist in engineering design, instrumentation sales, and industrial process plants in a variety of sectors, including power production, oil and gas refining, processing, transportation, fertilizer production, pulp and paper, wood processing, petrochemical processing, food processing, mining, and manufacturing.

In 2010, SAIT Instrumentation Engineering Technology graduates had a 94% employment rate.*

CAREER RESOURCES

Alberta Occupational Profiles:
alis.gov.ab.ca

Petroleum Human Resources Council of Canada:
careersinoilandgas.com

INDUSTRY ASSOCIATIONS

Association of Science and Engineering Technology Professionals of Alberta (ASET):
aset.ab.ca

Instrumentation, Systems and Automation Society (ISA):
isa.org

GRADUATE EMPLOYMENT STATISTICS

2010 Instrumentation Engineering Technology Graduates:
Average starting salary: \$61,351*

EXPERIENCE SAIT

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.

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 and view our Events page.

FOR MORE INFORMATION

To learn more about SAIT:

sait.ca
furtheryourpassion.ca

Program details:

sait.ca/energy

Student scholarships and awards:

sait.ca/studentawards

Additional resources available at sait.ca:

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

CONTACT US

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Find us on Facebook:

facebook.com/saitenergy

Visit our Blog:

saitenergy.wordpress.com

SAIT Student Services

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1.877.284.7248
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.