



# Non-Destructive Testing Foundations

SCHOOL OF MANUFACTURING & AUTOMATION

## Overview

The Non-Destructive Testing (NDT) Foundations program will equip you with the fundamental skills required to perform critical inspections that contribute to the safety and maintenance of various industries.

Using techniques that assess the integrity of materials and structures without causing damage, NDT technicians play an essential role in preventing potential failures and saving time, money, and lives.

Learn from industry professionals with extensive field experience. Gain practical experience with the latest NDT equipment and technologies. Benefit from job placement assistance and career counselling. Connect with a community of professionals and alumni in the NDT field.

As a graduate, you can look forward to a job market with high demand for qualified NDT technicians. Opportunities for travel and diverse work environments are available, with potential roles across Canada and internationally. Employment sectors include pipelines and refineries, transportation, utilities, construction, steel and other manufacturing, and maintenance.

The program combines online theoretical courses with hands-on practical labs conducted on campus. The program duration varies depending on if you choose a full-time or part-time course load. This blended learning approach allows you the flexibility to manage other commitments while obtaining the necessary knowledge and skills that span the methods in the NDT field.

Enroll in the Non-Destructive Testing Foundations program today and take the first step towards a challenging and rewarding career in the inspection industry.

## Traits, skills and aptitudes

Non-destructive testing (NDT) technicians need:

- motor coordination and manual dexterity
- communication skills
- the ability to maintain focus in busy or noisy surroundings
- the ability to work independently, often with little supervision
- an aptitude for math
- strong attention to detail
- the ability to work flexible hours in varying locations
- the ability to physically maneuver a job site freely.

You should enjoy performing tasks precisely, analyzing and interpreting data and systematically approaching your work.

## Professional designations and certifications

Graduates are prepared to undertake the three steps mandated by the Canadian General Standards Board (CGSB) for NDT certification in Canada:

- comprehensive training
- accumulation of work experience
- successful passing of CGSB exams

This program specifically addresses the training component, setting a solid foundation for advancing to subsequent certification levels.

## Credentials

After successfully completing this program, you'll receive a SAIT Non-Destructive Testing Foundations certificate.

Additional information:

Created Date: 07/03/24

<https://www.sait.ca/programs-and-courses/certificates/non-destructive-testing-foundations>

# Admission requirements

## Applicants educated in Canada

Applicants must demonstrate [English language proficiency](#) and meet the following requirements or equivalents.

- Grade 10 Math and Grade 10 English or equivalent.

SAIT accepts [high school course equivalents](#) for admission for applicants educated outside Alberta.

## Applicants educated outside of Canada

All applicants who were educated outside of Canada must demonstrate English Language proficiency and provide proof they meet the program admission requirements with an international document assessment. [Find out what educational documents are accepted and assessment options.](#)

SAIT may also accept courses completed at certain [international post-secondary institutions](#).

## Costs

### 2024/25 tuition and fees

The following estimated costs are effective as of July 1, 2024.

#### Domestic Students

Year	Number of semesters	Tuition fees	Additional fees	Total per year
1	1	\$10,428	\$1,211	\$11,639
Total cost:				\$11,639

The estimated total cost of tuition and fees for domestic students is based on the recommended course load per year.

#### International Students

Year	Number of semesters	Tuition fees	Additional fees	Total per year
1	1	\$15,427.50	\$1,211	\$16,638.50
Total cost:				\$16,638.50

The estimated total cost of tuition and fees for international students is based on the recommended course load per year.

## Books and Supplies

Books and supplies are approximately \$500 per full-time year.

This is a bring-your-own-device program with a standard computer hardware and software requirement. See the specific requirements on our [computers and laptops page](#).

Find your booklist on the [SAIT Bookstore's](#) website. The booklist will be available closer to the program start date. Can't find your program or course? The bookstore didn't receive a textbook list. Contact your program directly to determine if they're still refining course details or if you're in luck; no textbook purchase is required this term.

## Required tools and personal protective equipment (PPE)

You will need overalls, steel-toe boots and safety glasses. We recommend waiting to purchase these until classes begin, as your

instructors will discuss industry-approved PPE in class.

Your tools will be provided.