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.

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.

Accreditations, 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.

Admission requirements

Applicants educated in Canada

Applicants must demonstrate English language proficiency and completion of the following courses or equivalents:

- Grade 10 Math, and
- Grade 10 English.

SAIT accepts high school course equivalents for admission for applicants educated outside of 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 accepted educational documents and assessment options.

SAIT may also accept courses completed at certain international post-secondary institutions.

Costs

2026/27 tuition and fees

The following estimated costs are effective as of July 1, 2026.

The estimated total cost of tuition and fees is based on completing the program in one semester of study. Following a modified schedule will impact the fees you pay per semester and may alter final costs.

Domestic Students

Year	Number of semesters	Tuition fees	Additional fees	Total per year
1	1	$10,428	$1,083.25	$11,511.25
			Total cost:	**$11,511.25**

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

International Students

The program total is based on the estimated amount you will pay if you enter this program during the 2026/27 academic year. The program total amount listed on your letter of admission may appear higher. This amount is your maximum tuition guarantee for the program. SAIT will not exceed this maximum, regardless of changes in tuition and fees between academic years.

Year	Number of semesters	Tuition fees	Additional fees	Total per year
1	1	$15,972	$1,083.25	$17,055.25
			Total cost:	**$17,055.25**

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
- 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.