

Master of Energy Management (MEM)

The **Master of Energy Management** program at the New York Institute of Technology - Vancouver (NYIT) is dedicated to providing students with the requisite skills they need to help address energy-related challenges around the world and become leaders in energy management technologies, policies and procedures. Students graduate ready to apply innovative energy management methodologies to help corporations, governments, and organizations meet their climate change commitments. The MEM program is designed to be congruent with B.C.'s energy policies, while also providing students a national and international perspective.



Highlights

- The 3 elective courses can be taken with a combination of technical Energy Management related courses as well as M.B.A. courses, giving students the ability to tailor their studies.
- The degree offers an applied curriculum with a strong emphasis on student projects.
- Students have the opportunity to transfer between New York and Vancouver campuses.
- Financial aid is available to Canadian Citizens and Permanent Residents of Canada.
- Career planning services are available on campus to all students.
- International students are eligible to work off campus (max. 20 hrs/week) during their studies and can qualify for post-graduation work permits (up to three (3) years) after graduation.

The NYIT-Vancouver MEM Program

The curriculum is comprised of 30 credits and is divided into two (2) groups: a required fundamental core of seven (7) courses and three (3) contextualized and applications-oriented elective courses. Each course is three (3) credit hours. Additionally, international students must take a 0 credit-hour Technical Communications course for a total of 30 credits.

Intakes & Duration

There are three (3) terms in every academic year; Fall (15 wks, Sep.–Dec.), Spring (15 wks, Jan.–Apr.), and Summer (8 wks, May–Jul.). MEM is a two (2) year program, but strong students can complete it in less than two years.

More Information →

https://www.nyit.edu/vancouver/degrees/energy_management_ms

Apply Now →

<https://www.nyit.edu/vancouver/apply>

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Admission Requirements¹

You must possess the following qualifications in order to be **considered** for the MEM program at NYIT-Vancouver:

A FOUR (4) YEAR BACHELOR'S DEGREE (OR EQUIVALENT DEGREE) ¹ in science, applied science or engineering from an accredited college or university	
A MINIMUM UNDERGRADUATE GPA OF 2.85 (on a 4.0 scale) or equivalent	
DEMONSTRATED ENGLISH PROFICIENCY² Test of English as a Foreign Language (TOEFL) or the International English Language Testing System (IELTS)	
TOEFL Minimum Score	IELTS (PREFERRED) Minimum Score
INTERNET BASED TEST	OVERALL
88	6.5

How to Apply

All NYIT-Vancouver applications are done online and require a non-refundable \$50 USD application fee. The application process begins here: nyit.edu/admissions/vancouver →

Once you have paid the fee, upload the following documents:

- Four (4) year Bachelor's degree certificate
- Transcripts from **each semester** of your four (4) year Bachelor's degree
- Any transcripts or certificates received beyond your Bachelor's degree program
- Proof of English proficiency (TOEFL or IELTS)²
- Copy of official GRE score (if required)
- Statement of Purpose (required)
- A copy of your passport
- Two (2) letters of recommendation from professors who are familiar with your undergraduate work (recommended)
- **A current Résumé (CV) (required)**

[1] Minimum requirements. The MEM program has a limited number of seats and only the best applicants will be admitted to the program. A Bachelor's degree in **Mechanical, Civil, or Electrical Engineering** is preferred. In special circumstances, majors including Economics, Management, Architecture, or Liberal Arts may be considered with a minimum set of prerequisite courses determined on a case by case basis.

[2] This is not required if you have completed your Bachelor's degree from an English speaking country such as Canada, the United States, the United Kingdom, Australia, or New Zealand. NYIT-Vancouver reserves the right to test new students for their English proficiency upon arrival on campus.

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Tuition Estimates

<p>For two (2) years 30 CREDITS³</p>	<p>\$36,000 USD⁴</p>
<p>7 Required Courses (21) + 3 Electives (9) + Technical Communications (0)</p>	
<p>Tuition per credit: \$1,080 USD Application Fee: \$50 USD (non-refundable) Technical Communications: \$1,620 USD⁶ College Fee: \$248 USD (per semester)</p>	

Financial Aid

Financial Aid is available to Canadian Citizens and Permanent Residents of Canada.

Intake Dates for 2022–2023

SEMESTER	APPLICATION DEADLINE ⁵	START DATE
SUMMER 2022	Closed	May 24, 2022
FALL 2022	Closed	Sept 6, 2022
SPRING 2023	Anticipated to open in late Spring 2023	TBA

International students are strongly encouraged to apply at least six (6) months prior to the start of their desired intake term to accommodate the processing of their study permit application with Canadian immigration.

Original documents must be presented to campus officials for verification during new student orientation.

Program Overview

The MEM core curriculum includes 30 credits, including seven (7) required courses (21 credits), three (3) electives (9 credits), and one (1) Technical Communications course (0 credits).

For more detailed course information, please see:

nyit.edu/degrees/energy_management_ms/curriculum →

[3] International students must take a minimum of 18 credits + Technical Communications per year to qualify for Full Time status (6 credits + Technical Communications in their first term and 6 credits in subsequent terms). If you have earned a bachelor degree from an English speaking country such as Canada or the U.S., you are eligible to apply for a waiver of the Technical Communications course.

[4] For two (2) years. Amount does not include other fees or tuition fees for any prerequisite or bridge courses that may be required. Two-year tuition fee is calculated based on: Spring 2023 USD \$1,080/credit; Summer 2023 USD \$1,080/credit; Fall 2023 USD \$1,190/credit; Spring 2024 USD \$1,190/credit; Summer 2024 USD \$1,190/credit. Tuition charges may change during study period without prior notice. See nyit.edu/vancouver/about for updates.

[5] Applications may close earlier than the deadline dates. See nyit.edu/admissions/vancouver for updates. **[6]** Technical Communications course must be taken in the Spring 2023 semester. The course fee of USD \$1,620 is only applicable to Spring 2023 semester.

Master of Energy Management (MEM)***Core Courses***

All courses are **three (3) credit hours** unless otherwise specified.

For more detailed course information, please see:

nyit.edu/degrees/energy_management_ms/curriculum →

CORE COURSES	
ENGY 610	Energy Management
ENGY 670	Energy Technology in Perspective
ENGY 695	Systems Engineering and Management
ENGY 710	Power Plant Systems
ENGY 775	Alternating Energy Systems
ENVT 601	Introduction to Environmental Technology
ENGY 890	Thesis, Practicum, or Other Research
ESLI 593	Technical Communications (0 credits)

Prerequisite Courses

In special circumstances, majors including Economics, Management, Architecture, or Liberal Arts may be considered with a minimum set of prerequisite courses determined on a case by case basis.

Elective Courses

Students are required to choose 3 elective courses (**nine (9) credit hours**). All courses are **three (3) credit hours**. Students can take a combination of the following courses as well as courses offered in the M.B.A. program:

ELECTIVE COURSES	
ENGY 690	Energy Policy, Economics and Technology
ENGY 715	Energy Efficient Lighting
ENVT 725	Sustainability and Environment
ENGY 730	Computer Applications for Energy Management
ENGY 740	Solar Energy Technology
ENGY 745	Advanced Battery and Fuel Cell Technologies
ENVT 750	Environmental Risk Assessment

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Application Checklist

To be **considered**¹ for the program, you must have:

- A four (4) year Bachelor's degree (or equivalent) degree in science, applied science or engineering¹ from an accredited college or university
- A minimum cumulative GPA of 2.85 (on a 4.0 scale) or equivalent
- Demonstrated English proficiency²

If you have met all of these qualifications, submit your application online and upload the following documents to: <https://www.nyit.edu/vancouver/apply> →

- \$50 USD **non-refundable** application fee
- Bachelor's degree completion certificate
- Semester-by-semester transcripts for **all four (4) years** of your Bachelor's degree
- Any transcripts or certificates received beyond your Bachelor's degree program
- Proof of English proficiency²
 - **TOEFL Score of 88 on the internet-based test;** or
 - **IELTS Score of 6.5 overall (preferred)**
- Copy of official GRE score (*if required*)
- Statement of Purpose (*required*)
- A copy of your passport
- Two (2) letters of recommendation from professors who are familiar with your undergraduate work (*recommended*)
- A current Résumé (CV) (required)**

Once you apply, you can notify our Admissions department by emailing

vancouver.admissions@nyit.edu

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ACADEMIC POLICY

Policy on submission of fraudulent academic documents for admission:

Students found to have submitted fraudulent academic documents, i.e., transcripts, for the purpose of admission to a degree program at NYIT-Vancouver, will have their admission cancelled and may be disciplined or expelled upon confirming that the documents submitted were forged. It is the responsibility of the applicant/agent to make sure the documents submitted during application process are not forged.

Clear understanding about the program

Before submitting application for admission, applicants must understand they have an in-depth knowledge about the program they are applying to. They must also have clear understanding of the curriculum structure and future prospect of this program they are applying to.