

Master of Energy Management (MEM)

The **Master of Energy Management** program at New York Institute of Technology - Vancouver (New York Tech) provides students with the requisite skills they need to help address global energy-related challenges, becoming energy management leaders. Students graduate ready to apply innovative energy technologies, policies and 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

- Elective courses can be taken with a combination of technical Energy Management related courses as well as MBA 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 during their studies and can qualify for post-graduation work permits (up to three (3) years) after graduation.

The New York Tech 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 Graduate Communications course for a total of 30 credits.

Accreditation/Consent

This program is offered in Vancouver, Canada under the written consent of the **Ministry of Post-Secondary Education and Future Skills** in British Columbia. In the United States, New York Institute of Technology is accredited by the Middle States Commission on Higher Education. See here: <https://admin.bceqa.gov.bc.ca/report/> →

More Information →

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

Apply Now →

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

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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. Students may be able to complete the program in less than two years.

Admission Requirements¹

You must possess the following qualifications in order to be **considered** for the MEM program at New York Tech Vancouver:

A FOUR (4) - YEAR BACHELOR’S DEGREE OR EQUIVALENT¹ in science, applied science or engineering from an accredited college or university					
A MINIMUM UNDERGRADUATE GPA OF 3.0 (on a 4.0 scale) or equivalent					
A MINIMUM GRE SCORE OF 295 (if required)					
DEMONSTRATED ENGLISH PROFICIENCY² The International English Language Testing System (IELTS - Academic or Online) Test of English as a Foreign Language (TOEFL - iBT or Home Edition) Pearson Test of English (PTE) Please Review the Table Below for the Minimum English Requirments for a Direct Entry					
TEST	OVERALL	READING	LISTENING	SPEAKING	WRITING
IELTS	6.5	6.5	6.5	6.5	6.5
TOEFL	88	19	20	20	24
PTE	65	65	65	65	65

[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 **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. Please visit https://vancouver.nyit.edu/english_requirement_exemption to see the list of countries from which an English language proficiency test is not required. IELTS indicator test is not accepted for admission.

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Discretionary Admission

Applicants with an overall GPA between 2.85 and 2.99 may, at the discretion of the Vancouver program dean, be admitted into the program.

Reasons for discretionary admission include but are not limited to:

- Submission of official GRE test scores of a minimum of 295, with a minimum percentile rank of 75% in quantitative reasoning
- Completion of a relevant master's degree with a minimum GPA of 3.0
- Prior work experience (minimum 3 years in a related field)
- Applicants potential to contribute to the diversity of the student body (New York Tech Vancouver has identified a list of countries as diversity countries)

How to Apply

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

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 (IELTS, TOEFL, PTE)²
- Copy of official GRE score (*may be required on a case-by-case basis*)
- Statement of Purpose (*recommended*)
- A copy of your passport
- 1–2 page résumé or C.V.
- Two (2) letters of recommendation from professors who are familiar with your undergraduate work (*recommended*)

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Tuition Estimates

<p>For two (2) years 30 CREDITS³</p>	<p>\$38,120 USD⁴</p>
<p>7 Required Courses (21) + 3 Electives (9) + Graduate Communications (0)</p>	
<p>Tuition per credit: \$1,210 USD Application Fee: \$50 USD (non-refundable) Graduate Communications: \$1,820 USD⁶ College Fee: \$300 USD (per semester)</p>	

Financial Aid

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

Start Dates for 2024-2025

SEMESTER	START DATE
SUMMER 2024	May 21, 2024
FALL 2024	Sept 3, 2024
SPRING 2025	TBD

For application opening dates and deadlines, please visit <https://vancouver.nyit.edu/apply#applicationdate>.

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.

[3] International students must take a minimum of 18 credits + the Graduate Communications (0 credits) per year to qualify for Full Time status (6 credits per term + the Graduate Communications (0 credits) in their first term and 6 credits in subsequent terms).

[4] This amount is for two (2) years, and it does not include other fees or tuition fees for any prerequisite courses or bridge courses that may be required. Two-year tuition fee calculated based on: Fall 2024 USD \$1,210/credit; Spring 2025 USD \$1,210/ credit; Summer 2025 USD \$1,210/credit. Please note tuition is calculated at USD\$1,210/credit as an estimate from Fall 2025 onward. The actual tuition rate per credit will be determined later. Tuition charges may change during study period without prior notice. See https://vancouver.nyit.edu/bursar_prospective_students for updates.

[5] Applications may close earlier than the deadline dates. See <https://vancouver.nyit.edu/apply> for updates.

[6] Graduate Communications course must be taken in the Fall 2024 semester. The course fee of USD \$1,820 is only applicable to Fall 2024 semester.

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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).

Core Courses

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

REQUIRED COURSES	
ENGY 610	Energy Management
ENGY 670	Energy Technology in Perspective
ENGY 695	Systems Engineering and Management
ENGY 710	Power Plant Systems
ENGY 775	Alternative Energy Systems
ENVT 601	Introduction to Environmental Technology
ENGY 890	Practicum, or Other Research
NYIT 610	Graduate 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.

Selection of Elective Courses

Students are required to choose 3 elective courses (**nine (9) credit hours**). All courses are **three (3) credit hours**. Students can select electives from a variety of Energy (ENGY), Environmental (ENVT) or MBA courses. Here are some of the electives:

ELECTIVE COURSES	
ENVT 680	Climate Change Technology
ENGY 690	Energy Policy, Economics and Technology
ENGY 715	Energy Efficient Lighting
ENGY 718	High-Performance Building Envelopes
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
ENGY 820	Automated Building Energy Control Systems

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Application Checklist

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

- \$50 USD **non-refundable** application fee
- A four (4)-year Bachelor's degree (or equivalent) from an accredited college or university
- A minimum cumulative GPA of 3.0 (on a 4.0 scale) or equivalent
- 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 proficiency (IELTS, TOEFL, PTE)²
- Copy of official GRE score (may be required on a case-by-case basis)*
- Statement of Purpose (*recommended*)
- A copy of your passport
- 1–2 page résumé or C.V.
- Two (2) letters of recommendation from professors who are familiar with your undergraduate work (*recommended*)
- A current Résumé (CV) (required)

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

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 New York Institute of Technology 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 the 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.