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

Apply Now →
https://vancouver.nyit.edu/apply
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Admission Requirements¹

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

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Minimum Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>**A FOUR (4) YEAR BACHELOR’S DEGREE (OR EQUIVALENT DEGREE)**¹</td>
<td>in science, applied science or engineering from an accredited college or university</td>
</tr>
<tr>
<td><strong>A MINIMUM UNDERGRADUATE GPA OF 3.0</strong></td>
<td>(on a 4.0 scale or equivalent)</td>
</tr>
<tr>
<td><strong>A MINIMUM GRE SCORE OF 295</strong></td>
<td>(if required)</td>
</tr>
<tr>
<td><strong>DEMONSTRATED ENGLISH PROFICIENCY²</strong></td>
<td>Test of English as a Foreign Language (TOEFL)</td>
</tr>
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<td></td>
<td>or the International English Language Testing System (IELTS) (Academic)</td>
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</table>

<table>
<thead>
<tr>
<th>Test</th>
<th>Minimum Score</th>
<th>Minimum Score</th>
<th>Minimum Score</th>
</tr>
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<tbody>
<tr>
<td>TOEFL IBT OR HOME EDITION</td>
<td>88</td>
<td>6.5</td>
<td>58</td>
</tr>
<tr>
<td>IELTS (ACADEMIC) OVERALL</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>PTE OVERALL</td>
<td></td>
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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 degree with a minimum GPA of 3.0
- Prior work experience (minimum 3 years in the 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)

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¹ Minimum requirements. The MEM program has a limited number of seats and only the best applicants will be admitted to the program.

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, Ireland, Australia, or New Zealand. New York Tech Vancouver reserves the right to test new students for their English proficiency upon arrival on campus. IELTS indicator test are not accepted for admission.
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How to Apply

All New York Tech Vancouver applications are done 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 (TOEFL or IELTS or PTE)[2]
- Copy of official GRE score (if required)
- Statement of Purpose
- 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)

[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. New York Tech Vancouver reserves the right to test new students for their English proficiency upon arrival on campus. Home edition tests for any English proficiency tests are not accepted for admission. IELTS Indicator test are not accepted for admission.
**Tuition Estimates**

<table>
<thead>
<tr>
<th>For two (2) years</th>
<th>$35,160 USD[^4]</th>
</tr>
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<tbody>
<tr>
<td>30 CREDITS[^3]</td>
<td></td>
</tr>
</tbody>
</table>

7 Required Courses (21) + 3 Electives (9) + Technical Communications (0)

*Tuition per credit:* $1,145 USD  
*Application Fee:* $50 USD (non-refundable)  
*Technical Communications:* $1,717.50 USD[^6]  
*College Fee:* $275 USD (per semester)

**Financial Aid**

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

**Intake Dates for 2024**

<table>
<thead>
<tr>
<th>SEMESTER</th>
<th>START DATE</th>
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<tbody>
<tr>
<td>FALL 2023</td>
<td>Sept 5, 2023</td>
</tr>
<tr>
<td>SPRING 2024</td>
<td>Jan 22, 2024</td>
</tr>
<tr>
<td>SUMMER 2024</td>
<td>May 21, 2024</td>
</tr>
</tbody>
</table>

For application start dates, please visit [https://vancouver.nyit.edu/apply#applicationdate](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.*

**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](http://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).
[^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 2024 USD $1,145/credit; Summer 2024 USD $1,145/credit; Fall 2024 USD $1,190/credit; Spring 2025 USD $1,190/credit; Summer 2025 USD $1,190/credit. Please note tuition is calculated at USD $1,190/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 [nyit.edu/vancouver/about](http://nyit.edu/vancouver/about) for updates.
[^5]: Applications may close earlier than the deadline dates. See [nyit.edu/admissions/vancouver](http://nyit.edu/admissions/vancouver) for updates.
[^6]: Technical Communications course must be taken in the Spring 2024 semester. The course fee of USD $1,717.50 is only applicable to Spring 2024 semester.
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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

<table>
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<tr>
<th>CORE COURSES</th>
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<tbody>
<tr>
<td>ENGY 610</td>
<td>Energy Management</td>
</tr>
<tr>
<td>ENGY 670</td>
<td>Energy Technology in Perspective</td>
</tr>
<tr>
<td>ENGY 695</td>
<td>Systems Engineering and Management</td>
</tr>
<tr>
<td>ENGY 710</td>
<td>Power Plant Systems</td>
</tr>
<tr>
<td>ENGY 775</td>
<td>Alternative Energy Systems</td>
</tr>
<tr>
<td>ENVT 601</td>
<td>Introduction to Environmental Technology</td>
</tr>
<tr>
<td>ENGY 890</td>
<td>Practicum, or Other Research</td>
</tr>
<tr>
<td>ESLI 593</td>
<td>Technical Communications (0 credits)</td>
</tr>
</tbody>
</table>

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 take a combination of the following courses as well as courses offered in the M.B.A. program:

<table>
<thead>
<tr>
<th>ELECTIVE COURSES</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ENVT 680</td>
<td>Climate Change Technology</td>
</tr>
<tr>
<td>ENGY 690</td>
<td>Energy Policy, Economics and Technology</td>
</tr>
<tr>
<td>ENGY 715</td>
<td>Energy Efficient Lighting</td>
</tr>
<tr>
<td>ENGY 718</td>
<td>High-Performance Building Envelopes</td>
</tr>
<tr>
<td>ENVT 725</td>
<td>Sustainability and Environment</td>
</tr>
<tr>
<td>ENGY 730</td>
<td>Computer Applications for Energy Management</td>
</tr>
<tr>
<td>ENGY 740</td>
<td>Solar Energy Technology</td>
</tr>
<tr>
<td>ENGY 745</td>
<td>Advanced Battery and Fuel Cell Technologies</td>
</tr>
<tr>
<td>ENGY 820</td>
<td>Automated Building Energy Control Systems</td>
</tr>
</tbody>
</table>
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Application Checklist

To be considered 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
- Demonstrated English proficiency

- Proof of English proficiency
  - TOEFL Score of 88 on the internet-based test (IBT); or
  - IELTS Score of 6.5 overall (Academics); or
  - PTE Score of 58 overall
- Copy of official GRE score (if required)
- 1–2 page résumé or C.V.
- Statement of Purpose
- A copy of your passport
- Two (2) letters of recommendation from professors who are familiar with your undergraduate work (recommended)

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
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 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.