

Graduate Studies in Mechanical Engineering

EXPLORE YOUR BEST SELF



Technion Israel Institute of Technology is a major source of the innovation and brainpower that drives the Israeli economy. Coupled with the innate Israeli innovative spirit, these achievements have helped earn the country's reputation as the world's "Startup Nation".

AREAS OF GRADUATE STUDIES:

The research and graduate studies in the faculty cover a wide range of topics in Mechanical Engineering:

- > Energy, Fluid mechanics, and Transition phenomena
- > Control
- > Mechatronics
- > Robotics
- > Dynamical systems
- > Solid mechanics and Microsystems
- > Biomechanical engineering
- > Design and Manufacturing
- > CAD- Computer Aided Design
- > Reliability
- > Ocean engineering
- > Optical engineering

Faculty of Mechanical Engineering

The faculty of Mechanical Engineering at the Technion is the major source of high-level mechanical engineers for Israeli and international industry and R&D. Graduates of the Faculty of Mechanical Engineering fill senior positions in the industry, and particularly in the high-tech and defense industries. The Faculty's facilities include advanced teaching and research laboratories, a computer room and a spacious and well-equipped library.

MSc – Master of Science in Mechanical Engineering

Candidates include those with a BSc in Mechanical Engineering with appropriate grades, or those with a BSc in an alternative engineering program who may be required by the Faculty Graduate Studies Committee to complete specific undergraduate courses.

This degree prepares the graduate student for scientific work directed to research and development.

MSc – Master of Science

Candidates include those without a BSc in Mechanical Engineering but with appropriate grades (such as graduates from alternative engineering or scientific faculties). Students will be required by the Faculty Graduate Studies Committee to complete specific undergraduate courses only if they are pre-requisites to the courses in the candidates' research area. This degree prepares the graduate student for scientific work directed to research and development.

ME – Master of Engineering in Mechanical Engineering

This program is based only on accumulation of credits and does not include submission of a thesis. The program is intended for external students with a BSc in Mechanical Engineering with work experience.

This program prepares the graduate student for advanced work in development or applied engineering.

ME – Master of Engineering

Candidates include external students without a BSc in Mechanical Engineering upon approval of the Faculty Graduate Studies Committee

PhD – A Doctor of Philosophy in Mechanical Engineering

The PhD program is intended for candidates with an MSc degree from an accredited university with very good achievements in their BSc and MSc programs..

For more information, visit our website at:

<https://meeng.technion.ac.il/areas-of-graduate-studies>

Admissions requirements:

3.0 GPA or an 80% average

Tuition:

Enjoy the benefits offered to International Graduate Students:
Tuition-Free | Full-Time job scholarship* | Subsidized on-campus accommodations**

**Following the Technion's regulations and based on advisor's agreement. **Contingent on availability.*

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TECHNION

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