Graduate Studies in Mechanical Engineering

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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
For more information, visit our website at:
https://meeng.technion.ac.il/areas-of-graduate-studies

**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.

**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.

**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**
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.

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