

# GRADUATE STUDIES IN PHYSICS



Technion Israel Institute of Technology plays a major role in the innovation and brainpower that drives the Israeli economy. Coupled with the innate Israeli innovative spirit, the achievements of Technion's faculty and graduates have helped the country earn its reputation as the world's "Startup Nation".







### We offer a wide range of research areas:

- >Astrophysics, Cosmology and General Relativity
- > Atomic and Molecular Physics
- **>**Biophysics
- >Complex Systems

- > Condensed Matter Physics
- > High Energy Physics
- Non-linear Optics
- > Plasma Physics
- > Quantum Science and Technology

## THE FACULTY OF PHYSICS

The Physics Department at the Technion attracts highly qualified and motivated graduate students from around the world. Students interact closely with faculty on all major fields of current research, both theoretical and experimental, spanning from basic questions on the fundamental laws of physics to their application into cutting-edge technologies.

The Technion Physics department is uniquely positioned within a thriving and highly-regarded engineeringfocused environment with an exemplary high-tech orientation, which enables us to create unique programs such as Quantum Science and Technology and contribute to the advancement of the nanotechnology revolution. On top of that, our department collaborates with top research units around the world. including CERN and NASA.



#### M.Sc. program

The Master's degree is a two-year program that combines coursework and research. Students have access to an impressive selection of graduate-level courses on topics of active research. In parallel, they join a research group in their area of interest and do intensive original research, culminating in an M.Sc. thesis.



#### Ph.D.program

This is an intensive program in which students conduct and publish original scientific research in one of the research groups led by a physics professor, with the aim of becoming established as an independent creative researcher. During the PhD program, doctoral students become experts in their chosen fields and gain advanced knowledge and tools that are crucial to their development as independent researchers. A small amount of additional coursework is typically required for the PhD degree, as well as a written thesis.

For more information, visit our website at: https://phys.technion.ac.il/ https://int.technion.ac.il/programs/graduate-school/

#### Minimum admissions requirements:

3.0 GPA or an 80% average

#### **Tuition:**

Enjoy the benefits offered to International Graduate Students: Free tuition | Full-time job scholarship\* | Subsidized on-campus housing\*\*

#### **FACULTY OF PHYSICS**

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<sup>\*\*</sup>In accordance with the Technion's regulations and subject to the advisor's agreement.

<sup>\*\*</sup>Contingent on availability.