

TECHNION at a GLANCE



Since laying its cornerstone in 1912, the Technion - Israel Institute of Technology has been a pioneer in research and science education, delivering world-changing impact benefiting the State of Israel and the world. As Israel's first university, it has educated generations of engineers, architects, and scientists who have helped lay the nation's infrastructure and establish its crucial high-tech industries.

When the Technion enrolled its first students in 1924, no one could have fathomed the impact it would have on Israel's economic development and global scientific advancement. That impact continues today with a unique interdisciplinary focus that challenges students to think differently about the world's problems, preparing them to become the next generation of global innovators.

INTERNATIONAL LEADER

- A truly global university with a presence in New York and China, and partnerships with institutions like the University of Michigan, Cornell University, MIT, and more
- An entrepreneurial powerhouse with its Joan and Irwin Jacobs Technion-Cornell Institute in NYC, which brings academia and industry together and features an incubator, the Runway Startup Postdoc Program

POWERING ISRAEL

Home to Israel's only Faculty of Aerospace Engineering and one of the few engineering institutes in the world with its own Faculty of Medicine

WORLD-CLASS EDUCATION

- Faculty includes three Nobel Prize laureates
- Globally ranked in the fields of Al, Aerospace, Computer Science, and Electrical Engineering

Founded in **1912**Classes started in **1924**

Degrees Awarded **123,485** Undergraduate Programs **60** Graduate Programs **83**

Faculty **582**Total Students **14,996**Undergraduate **11,043**Master's **2,633**Ph.D./M.D. **1,320**

Research Centers **60** Faculties **18**



≣nrepreneurship

- In 2020, the Technion was ranked #12 in the world for producing entrepreneurs, having generated 602 founders who set up 509 companies and raised \$12.4 billion
- Ranked #1
 in Europe and Israel and
 #10 in the world in artificial
 intelligence and robotics
- 25% of alumni are CEOs or vice presidents, and 41% hold management positions
- 53% of traded companies 42 of 72 high-tech Israeli companies on NASDAQ were founded or are run by alumni

Hub for

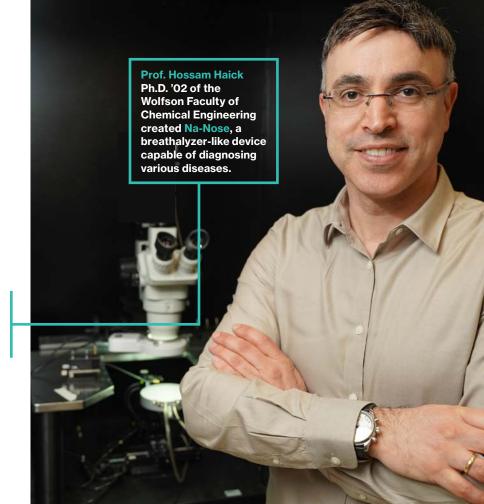
COEXISTENCE + DIVERSITY

- Female students account for 48.2% of the incoming 2022-23 class and 44.2% of the overall student body
- 20% of students are Israeli-Arab, mirroring the makeup of Israel's Arab community, and more than 1,000 international students come from 30+ countries
- Special pre-university programs prepare students from underserved communities and ultra-Orthodox adults lacking a secular education for success at the Technion

Medical Innovations

SAVING LIVES

- A new algorithm developed by Professor Roy Kishony could help doctors select more effective, personalized antibiotic treatments for patients by considering clinical guidelines and other criteria
- Professor Hossam Haick's Na-Nose technology can detect Multiple Sclerosis and certain types of cancers from breath samples
- A drug to treat Parkinson's disease, Rasagiline – now marketed worldwide as Azilect® – was first discovered by Professors Moussa B.H. Youdim and John Finberg





WORLD nnovations for

- Technion students won top prizes in Europe for their creative innovations, including vegan, high-protein, and low-sugar treats that use environmentally friendly packaging
- Professor Adi Radian and Dr. Samapti Kundu developed an efficient technology for eliminating pollutants from drinking water, bringing hope to the 2.1 billion people currently without it
- Technion researchers created a proof-of-concept for a rechargeable silicon battery that reversibly discharges and charges the silicon, making it a green source that could pave the way toward enhanced battery technologies



Keeping Israel and the WORLD SAFE

- The only one of its kind in Israel, the Faculty of Aerospace Engineering has trained most of Israel's leaders in air and space, underpinning the nation's \$10 billion dollar industries in those areas. It is ranked in the top 20 of its kind in several international university rankings
- Technion graduates were instrumental in the development of Iron Dome, the antimissile defense system that protects Israel by intercepting and destroying rockets
- With centers dedicated to cybersecurity and quantum, the University continues to safeguard the world from cyberterrorism

From VISIONARY EDUCATION to a WORLD of IMPACT

Over the past 80 years, partners of the American Technion Society (ATS) have contributed nearly \$3 billion to realize the impact of the Technion on Israel and the world. Launched in 1940 by a group of visionary entrepreneurs and scientists that included Albert Einstein, ATS is served by regional offices around the country. Join our nationwide community of changemakers whose support helps ensure the Technion will continue to solve the world's greatest challenges for the next 100 years.

To connect with us, visit ats.org/locations or email info@ats.org.

American Technion Society 55 East 59th Street, New York, NY 10022 212.407.6300 | ats.org