



TECHNION at a GLANCE



AMERICAN
TECHNION
SOCIETY

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 AI, Aerospace, Computer Science, and Electrical Engineering

By the NUMBERS

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**

Statistics as of 2022 academic year

Doing
MORE
With
LESS

\$4 vs. \$1

\$1 invested in a U.S.
university equals a \$4
investment at Technion

\$100M vs. \$500M

\$500M research budget
in a U.S. university can be
accomplished with \$100M at
the Technion

Enpreneurship Driving ISRAEL'S ECONOMY

▲ **602 founders**

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**

Prof. Hossam Haick
Ph.D. '02 of the
Wolfson Faculty of
Chemical Engineering
created **Na-Nose**, a
breathalyzer-like device
capable of diagnosing
various diseases.





- 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 anti-missile 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**](https://ats.org/locations) or email [**info@ats.org**](mailto:info@ats.org).

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