

Technion Global Impact

The Technion is committed to making the world a better place, contributing life-saving medicine and tackling global issues in environment, energy, and water. Programs like t-hub (Technion Entrepreneurship and Innovation Center), the budding Mehoudar Center for Inventors, and Technion DRIVE Accelerator promote entrepreneurial thinking and provide industry mentorship and funding to help students move from academia to commercialization.

- Pharmaceutical giant Pfizer Inc. recently invested \$20 million in Technion Professor Shai Shen-Orr's CytoReason to fast-track drugs to the marketplace and to fund other research projects
- Professor Hossam Haick was awarded three European grants in 2022 totaling nearly \$4.2 million to further his research in lung cancer, diagnostics for bowel cancer, and the prevention of melanoma in children
- In early 2022, Professor Marcelle Machluf launched start Meatafora, which is growing meat directly from animal cells, to address the challenge of food security
- Prof. Alon Wolf and Technion students work with nonprofit Haifa 3D to customize 3D-printed prosthetic hands with superheroes and other characters for children in need
- Using technology developed by Prof. Shulamit Levenberg to create the first-ever 3D-printed ribeye steak, Aleph Farms opened its first U.S. headquarters in New York City's historic Meatpacking District in late 2022
- Prof. Hossam Haick is developing a skin patch to detect tuberculosis, which still affects 10 million people yearly, with funding from the Bill & Melinda Gates Foundation
- High-tech powerhouses have strategically set up operations near the Technion campus including: Google, IBM, Intel, Motorola, Qualcomm, Apple, Microsoft, Yahoo!, Hewlett-Packard, Amazon, and U.S. computer software services giant PTC. In 2022, the Carasso Family and Carasso Motors established the Carasso FoodTech Innovation Center on campus to serve as a hub for Israeli foodtech startups

International Rankings Attest to the Technion's Role as a Leading Scientific Institution

- The Technion is ranked #1 in Europe in the field of artificial intelligence for the second consecutive year, and #16 worldwide in the 2022 CS Rankings
- The Technion is ranked #22 in aerospace engineering worldwide in the prestigious 2022 Shanghai Rankings
- The Technion also ranked #15 in PitchBook's 2022 list of universities with an exceptional track record of producing entrepreneurs
- Named the world's leading academic institution in digital education in a 2017 survey by Times Higher Education, the Technion was ranked #1 in preparing students to take top positions in the digital revolution. The only U.S. academic institute to crack the top ten was MIT, which came in at #6.



Partnering Around the World

- The Technion welcomes some 8,000 visitors yearly, including faculty members at leading universities and research centers worldwide, prospective students, prominent business and university officials, and foreign government ministers including high-level delegations from the Middle East and the Persian Gulf, following the Abraham Accords
- The Technion has approximately 215 academic collaboration agreements with universities in 41 countries. This year, the Technion partnered with Carnegie Mellon University to advance AI and robotics
- The Technion has far reaching relationships with companies, institutions, and cities including agreements and partnerships over the past two years with Google, Israel Aerospace Industries, and Intel. Other ventures include investments by Doral Energy Tech-Ventures and SolarEdge Technologies to combat climate change, and collaboration with the New York Genome Center for research in life sciences, and the City of Chicago to find solutions to global water challenges
- In 2016, Mortimer B. Zuckerman, philanthropist and champion of Israel, launched the Zuckerman STEM Leadership Program to foster international exchange and set the stage for future collaboration. To date, some 246 Zuckerman scholars from the U.S., Israel, and Canada have participated in the program, and are making significant discoveries, publishing in high impact journals, and receiving grants, awards, and patents. The Zuckerman Faculty Program has facilitated the return of 37 Israeli scientists to Israel, providing resources to establish labs in the Technion and seven other universities.
- Of all the Technion research partnerships in the U.S. and abroad, the one that speaks volumes about the Technion's stature is its collaboration with Cornell University to create Cornell Tech, an applied science educational institution in New York City. At the very heart of this initiative is the Joan & Irwin Jacobs Technion-Cornell Institute, which offers a dual master's degree from both universities, and the Runway Startup Postdoc Program. Celebrating its 10th year, now nearly 70 master's students are graduating yearly, and the Runway Program has created more than 30 new companies.
- The second cohort of students graduated from Guangdong Technion - Israel Institute of Technology (GTIIT) in 2022. GTIIT was inaugurated in December 2017, becoming the first Israeli university in China. The historic collaboration between the Technion and Shantou University is intended to be a bridge between Israel's entrepreneurial spirit and China's scale and resources. This partnership is clear evidence of the Technion's burgeoning global influence, and is viewed by many as part of the broader movement of globalization now sweeping the academic world.



Promoting a Diverse Environment

The Technion is advancing diversity in Israel's tech arena, drawing faculty and students from every corner of the globe. The mix generates a vigorous diversity of people, ideas, and programs.

- President Uri Sivan recently created the new position of Vice President for Diversity and Inclusion, appointing Professor Adi Salzberg. A record number of women held senior academic positions in 2021-22, including nine new faculty members and a total of seven deans
- The number of incoming female undergraduates for 2022-23 reached a whopping 48.2%, up from 44% the year before.
- The percentage of Arab Israeli students mirrors the general population of Israel
- The Technion has pre-university programs aimed at helping both the ultra-Orthodox and promising students from Israel's underserved neighborhoods attain the academic skills they need for admission to the Technion

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