Dream it. Do it.

Spend your summer at one of the world's leading institutes for Innovation in Science & Technology

Technion's Summer School in Engineering & Science offers an academic experience at Israel's oldest university and premier center for science, technology and applied research.

Students may enroll in one advanced course chosen from a variety of engineering and science fields, and one academic course on Israeli culture. These advanced courses are taught by Technion's top level faculty in English at cutting-edge facilities. Upon successful completion of the program, students will receive 4-5 Technion academic credits. The program includes social activities and sightseeing tours around Israel.

Summer School courses:

Computer Science/Physics/Mathematics/Electrical Engineering

Advanced Topics in Quantum Information
Prerequisites for Advanced topics in quantum information and computing.

Electrical Engineering/Computer Science

Image Processing and Analysis
Explore the basic tools for processing and restoring of gray-level images, discuss the basic aspects of lossless/lossy image compression and the use of neural networks and deep learning in image pattern classification.

Introduction to Machine Learning
An introductory course on learning systems in the context of Signal processing, Artificial intelligence and control, Regression and clustering, Neural Networks and more.

Architecture

Landscape and Environment
This course involves an approach to planning the physical sphere, with an emphasis on ecological, cultural and social aspects.

Chemistry
Advanced Inorganic Chemistry
Fundamentals of inorganic and organometallic chemistry and the impact on catalytic processes.

Education in Science and Technology

The Web as a Learning Environment
Students will be acquainted with state-of-the-art innovations in digital learning and advanced cloud-based pedagogy from the university that was ranked 1st worldwide for Digital Education.

Academic Classes: August 4- 26, 2020
Registration: December 1, 2019 – April 1, 2020

Apply before March 13th to receive the Early-Bird Scholarship;
See Admissions & Costs for details: https://int.technion.ac.il/

Opening of the program is contingent on the number of registered students. The program is subject to changes, at the discretion of TI.

For more information: summer@int.technion.ac.il

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