



**STUDY
IN ENGLISH**



**TOP 200
UNIVERSITIES
IN THE WORLD**



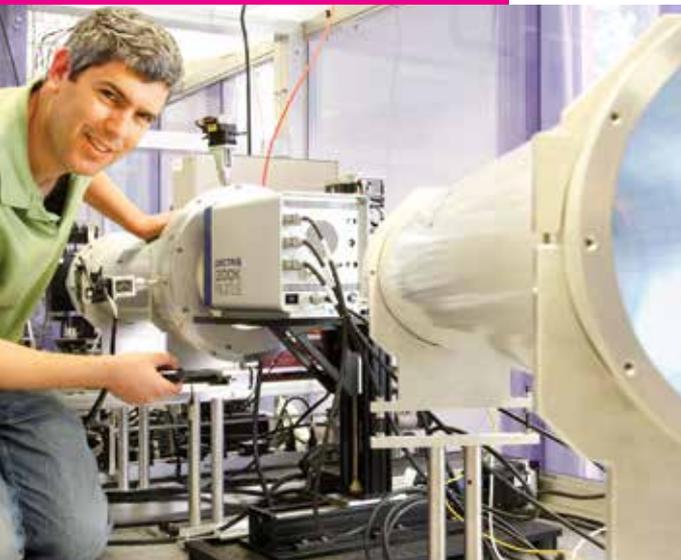
**TOP 51-75
ENGINEERING
FACULTIES
IN THE WORLD**



**TEL AVIV אוניברסיטת
UNIVERSITY תל אביב**

**RESEARCH
AND INTERNSHIP
OPPORTUNITIES**

**B.Sc. IN ELECTRICAL
AND ELECTRONICS ENGINEERING**



4 YEAR BACHELOR DEGREE

CONTENTS

WELCOME FROM THE PRESIDENT	3
ISRAEL: HIGH TECH HUB & TAU IN NUMBERS	4
TEL AVIV UNIVERSITY	6
TEL AVIV UNIVERSITY FACULTY OF ENGINEERING	7
SCHOOL OF ELECTRICAL ENGINEERING	9
NOTABLE FACULTY MEMBERS	10
GRADUATE STUDIES — FACULTY OF ENGINEERING	12
SENIOR PROJECTS — INTERNSHIPS/RESEARCH	13
FIRST STEPS INTO THE PROFESSIONAL WORLD	14
STAFF — INTERNATIONAL PROGRAM OF ENGINEERING	16
ACADEMICS — INTERNATIONAL PROGRAM OF ENGINEERING	17
CURRICULUM	18
LIFE IN TEL AVIV	23
LIFE ON CAMPUS	24
PRE-DEPARTURE INFORMATION	25
CLUBS AND ORGANIZATIONS	26
FEES & AID	29
ADMISSIONS	30

"Thanks to quality education, Israel is one of the most advanced countries in the world... Israel is advancing in high tech even more than other developed countries."

Bill Gates,
Former CEO and Current Chairman of Microsoft

WELCOME FROM THE PRESIDENT



Dear Student,

Welcome to Tel Aviv University, Israel's largest and most influential institution of higher learning.

Tel Aviv University is a university that is defined by ground-breaking research, leading researchers and faculty, a strong interdisciplinary focus, and the values of globalism, pluralism and social responsibility. The academic achievements of our researchers have been acknowledged by the many prestigious prizes that they have won, leading Tel Aviv University to being considered one of the world's top universities according to annual rankings. Our students are Israel's best and brightest. The quality education they receive here at TAU turns them into high-achieving – and socially-conscious – leaders of tomorrow.

As a public university, we are devoted to playing our part in the advancement of society. We achieve this through our extensive social involvement programs, and our technology transfer efforts – where we ensure that discoveries made in TAU labs are turned into practical, often life-saving applications. Our campus is the lushest and most beautiful in all of Israel, and, like our host city Tel Aviv, it is defined by its dynamism and diversity.

We invite you to join our international student body for a highly specialized and rewarding experience in Israel.

A handwritten signature in blue ink that reads "Joseph Klafter". The signature is written in a cursive style.

Sincerely,
Professor Joseph Klafter
President, Tel Aviv University

ISRAEL: HIGH TECH HUB



LEADING THE WORLD

According to the 2016 INSEAD Global Innovation Index, Israel is ranked top 22 in the world and:

- #1 in Gross Expenditure on R&D
- #1 in University/Industry Research Collaboration
- #3 in Venture Capital Deals



INNOVATION

Israel has the highest density of high tech start-ups in the world. Israeli companies are currently at the forefront of the tech industry, with a diversity of research ranging from nanotechnology to space exploration.



NUMBERS

Israeli start-ups bring in more dollars per capita than any other country: 2.5 times the U.S., 30 times Europe, 80 times India, and 300 times China.



RESEARCH & DEVELOPMENT

Israel invests a higher proportion of its GDP on R&D than any other economically developed country.

There are over 250 foreign R&D centers in Israel, such as: Apple, Dell, Dropbox, Ebay, Facebook, General Motors, Google, IBM, Intel, Microsoft, Motorola, Nestle, Samsung, Sony, and more.

TEL AVIV UNIVERSITY IN NUMBERS

#1

choice for Israeli students

30,000 students

970 full time professors

4,000 scientific publications annually

#1 in patents filed by Israeli universities

9 faculties

2000 international students

20 international study programs

3,500 research projects each year

130 research institutes

19 friends associations worldwide

#1 choice of graduates by Israeli employers

25 new drugs in development

#1 in citations among Israeli universities

1,400 doctors belong to our medical faculty

400 research laboratories

126 schools and departments



TEL AVIV UNIVERSITY

- Tel Aviv University is ranked top 200 universities in the world by Times Higher Education (2017).
- Times Higher Education (THE) compared the world's top 100 universities for producing millionaires and at #16, Tel Aviv University outperformed Princeton, Duke, and Technion amongst other universities.
- Tel Aviv University is 75th place in the world, and first in Israel, in the number of research publications according to the CWTS Leiden Ranking 2017, another objective measure of research strength and standing.
- Tel Aviv University is ranked 81th in the world according to the Center for World University Rankings 2016 (CWUR).

World-Class Research

Researchers at Tel Aviv University advance some 3,500 projects annually across TAU's nine faculties and 125 institutes. For example:

Bio-medical research

TAU runs Israel's largest bio-medical research and teaching framework with 1,400 scientist-clinicians at 17 affiliated hospitals serving over two million people. Our scientists are teaming up with pharmaceutical companies like Johnson & Johnson to develop new drugs and medical technologies.

Ramot at Tel Aviv University

TAU's commercialization arm ensures that discoveries made in TAU labs are quickly translated into practical, often life-saving applications. To date, Ramot has registered 1,200 patents, averaging 75 new patent applications per year — leading to the establishment of 65 start-ups and over 200 licenses and option agreements with commercial partners. Twenty-five new drugs and medical therapies for Alzheimer's, Parkinson's, cancer, diabetes and other major diseases are in the Ramot development pipeline right now.



TEL AVIV UNIVERSITY FACULTY OF ENGINEERING

- Shanghai Index 2016(ARWU) ranks the performance of Tel Aviv University's Faculty of Engineering, as top 51-75 in the world.



Prof. Yossi Rosenwaks

- Dean of Tel Aviv University's Engineering Faculty
- Ph.D., Tel Aviv University
- Post-doctoral Research Fellow in NREL (USA)
- Head of Tel Aviv University's Renewable Energy Research Center
- Currently researching nanoscale electrical measurements using Kelvin probe force microscopy, amongst other research interests

The Faculty of Engineering of Tel-Aviv University was established in 1971. The Faculty's main missions are training engineers who will lead the high-tech industries both in Israel and worldwide, and perform trailblazing research at the forefront of the global endeavors in the many fields of engineering. Nearly 4,000 students attend the Faculty's undergraduate and graduate programs, obtaining B.Sc., M.Sc. and Ph.D. degrees in the most important areas of Israel's elite industries.

The Faculty of Engineering consists of the following departments:

- School of Electrical Engineering
- School of Electrical Engineering — International Program
- School of Mechanical Engineering
- Department of Biomedical Engineering
- Department of Industrial Engineering
- Department of Materials and Nanotechnologies
- Department of Environmental Engineering

More than 100 research groups work in the Faculty of Engineering, conducting studies in a vast range of fields: such as, Cyber, renewable energy, nanotechnology, nanomedicine, communications, micromechanics and microflow, the development of new materials, etc.

Research centers and Institutes:

- Renewable Energy and Beyond
- Nanoscience and Nanotechnology
- Max and Betty Kranzberg Research Institute of Electronic Devices
- Yitzhak and Chaya Weinstein Research Institute for Signal Processing
- Wolfson Center for Applied Materials Research
- Gordon Center for Energy Studies
- Data Science Center
- Ela Kodesz Institute for Cardiac Physical Sciences and Engineering





SCHOOL OF ELECTRICAL ENGINEERING

Why study Electrical and Electronics Engineering at TAU?

The School of Electrical Engineering at Tel-Aviv University is the largest electrical engineering school in Israel, with a staff of over 50 faculty members, over 1000 undergraduate students and over 600 graduate students, including about 150 Ph.D. students.

The School is part of the Faculty of Engineering at Tel Aviv University, listed by the Times of London as one of the 100 best science universities in the world. The School's outstanding faculty includes many who rank among the leading researchers in their field, in Israel and internationally. Over 30 of them have been recognized as Fellows of the IEEE and other prestigious professional societies, and many members serve on the editorial boards of prestigious academic journals.

The School maintains extensive cooperative research ties with prominent institutions abroad and many faculty members collaborate or work closely with the Israeli industry. The School's extensive collaborative endeavors with the high-tech industry have been highly instrumental in shaping its constantly evolving study and research tracks.

Research

Prominent, internationally recognized areas of research at the School include: micro and nano-technologies, optical communication systems and devices, electromagnetic systems, communication technology, systems and information theory, signal and image processing, computer systems and networking, control systems, power systems, and plasma science.

Cutting edge research is carried out in the School's two departments:

Electrical Engineering — Systems

- Signal Processing
- Communication Systems
- Systems and Control Theory
- Computer Systems
- Video and Image Analysis

Electrical Engineering — Physical Electronics

- Physical aspects of modern applied electronics: semiconductors, electro optics/fiber optics, nanotechnology, renewable energy & microwaves
- Electromagnetics
- Materials devices and energy

International Engineering Program

Due to the prominence of the School of Electrical Engineering, The Faculty of Engineering and the President of Tel Aviv University decided to open the undergraduate B.Sc program in Electrical Engineering, in English. This program facilitates and encourages students from around the globe, to study in the Hi-tech nation of the world entirely in English.



NOTABLE FACULTY MEMBERS



Prof. Ady Arie

- Current Head of the School of Electrical Engineering
- B.Sc., Hebrew University, Jerusalem
- M.Sc. & Ph.D., Tel-Aviv University.
- Postdoctoral, Stanford University, USA
- Former Head of the Max and Betty Kranzberg Research Institute for Electronic Devices
- Former Vice Dean for Research of the Faculty of Engineering



Prof. Moshe Tur

- B.Sc., Hebrew University, Jerusalem
- M.Sc., Weizmann Institute, Israel
- Ph.D., Tel Aviv University
- Fellow, Optical Society of America (OSA)
- Fellow, Institute of Electrical and Electronics Engineers (IEEE)



Prof. Yosi Shacham

- Ph.D., Technion Institute of Technology
- Researcher, Nano-electronics process technology and devices for integrated circuits and micromachining applications at Cornell University, USA
- Consultant, Investment Center of the Israeli Ministry of Industry and Trade



Prof. Amir Boag

- B.Sc. & B.A., M.Sc. and Ph.D., Technion Institute of Technology, Haifa
- Manager of the Electromagnetics Department at Israel Aircraft Industries (IAI)
- Currently professor in the Physical Electronics Department of the School of EE at TAU
- Fellow Institute of Electrical and Electronics Engineers (IEEE)



Prof. David Mendlovic

- B.Sc. & Ph.D., Tel-Aviv University, Israel
- MINERVA Postdoctoral Fellow, University of Erlangen-Nurnberg, Bavaria
- Senior Lecturer of Electrical Engineering, Tel Aviv University
- Head of the Industrial Affiliate Program (IAP), Tel Aviv University.



Prof. Dana Ron-Goldreich

- B.Sc.; M.Sc. and Ph.D., Hebrew University, Jerusalem
- NSF post-doctoral fellow at the Massachusetts Institute of Technology (MIT), USA
- Radcliffe fellow at Harvard University, USA
- Professor of Electrical Engineering at Tel Aviv University



Prof. Mark Shteif

- M.Sc & Ph.D., Technion Institute of Technology
- Teaching & Research in fiber-optics and optical communications
- Fellow of the Optical Society of America (OSA)
- Senior & Principal Member of Technical Staff at Light-wave Networks Research Department at AT&T Labs Research



Prof. David Burshtein

- B.Sc. & Ph.D., Tel Aviv University
- Research Staff Member in the Speech Recognition Group of IBM, USA
- Former Head of the School of Electrical Engineering at Tel Aviv University

GRADUATE STUDIES — FACULTY OF ENGINEERING

Advanced degree programs — options:

- Electrical Engineering — Software
- Electrical Engineering — Physical Electronics
- Biomedical Engineering
- Fluid Mechanics and Heat Transfer
- Solid Mechanics, Materials and Systems
- Industrial Engineering
- Environmental Engineering
- Science and Engineering of Materials (Jointly with Sackler Faculty of Exact Sciences)
- Materials and Nanotechnologies Program
- Interdisciplinary Studies

M.Sc.

The Master of Science program can be practical or research-oriented and requires a thesis to be written and defended or a project to be pursued and documented. A typical Master of Science program contains one year of full-time course work, with a second year devoted to research and a thesis, plus additional courses not available during the first year. Either employment or further graduate study follows an M.Sc. program. Graduate study is supervised by those professors whose interests and research are closely related to the area of specialization.

Ph.D.

The Doctor of Philosophy program is research-oriented and requires a thesis to be written and defended. A Ph.D. program last for a minimum of four to five years (including the thesis). The doctoral program generally emphasizes discipline specific courses, after which the focus switches to a dissertation with an emphasis on original research. Graduate study is supervised by those professors whose interests and research are closely related to the area of specialization.

Postdoctoral

In Israel, most students complete their undergraduate and graduate work in the country and go abroad for their postdoctoral research. Some places where our current students are studying are: (These are just some of the places).

Within the USA: MIT, Harvard, Columbia University, Argonne National Laboratory Illinois, Duke University, UCLA, University of Colorado, University of Texas, University of Maryland, Stanford

Within Israel: Technion, Tel Aviv University, Haifa University, Holon Institute of Technology, Bar Ilan University, Hebrew University

Rest of the world: Grenoble France, Beijing Institute of Technology, Stockholm, LIAFA France, Switzerland

Upon completion of their postdoc, some students are currently at the following companies: Yahoo, StoreDot, Soreq, Applied Materials, Microsoft, SanDisk, Google, and so on...



SENIOR PROJECTS — INTERNSHIPS/RESEARCH

Projects and internships are chosen by the student from a list provided by the Project Lab in Electronics, as well as provided by the B.Sc.'s International program office. The topics originate by demand from the industry, and from University research laboratories.

These projects are usually completed during the last year of the program (year 4), however if a student prefers to complete a project abroad, it can be done by special permission during the summer upon completion of year 3.

**Some of the companies include:
(Companies are both in Israel and abroad)**



FIRST STEPS INTO THE PROFESSIONAL WORLD

INTERNSHIPS

Our students have the chance to explore internship opportunities in companies around the world...



"My experience at CRC in China started with lectures and understanding on how trains are built in the design department, leading to seeing how the brake system of a train works, including the pull system. We also tested the resistance of the temperature sensor. It was cool!"

Yangyu Zhao
INTERNSHIP AT CHINA RAILWAY CORPORATION (CRC), CHINA



"I worked as part of the Onshape Android development team for over two months. During this time, I worked on testing, fixing bugs, and implementing new features in the app. It was a great experience. It gave me a chance to use and improve my existing knowledge of Java, tools like Git, and processes like continuous integration. It also helped me learn about other aspects of professional software development processes like code review and collaboration. I also used Onshape's web client and mobile apps for basic 3D designing, simulation and rendering, and 3D printing. The entire Onshape India team was very friendly and helpful. They guided me whenever I needed anything. Overall it was an enriching experience, and a very productive way to spend my summer."

Aakash Jog
INTERNSHIP AT ONSHAPE, INDIA

"This internship in India was a great opportunity to network with one of the world leaders in smart meters technology. It was also really rewarding to teach science concepts to underprivileged youth and despite the challenges presented by working in a completely different culture, I successfully completed all of my projects."

Dustin Chalchinsky
INTERNSHIP AT SECURE METERS, INDIA

SEMINARS, HI-TECH COMPANIES, ISRAEL

Students are regularly invited to visit High-Tech companies in Israel.

KLA-Tencor



Mellanox



Intel



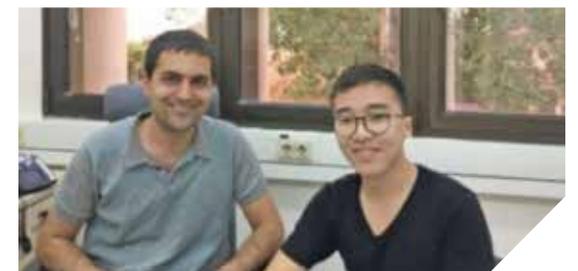
RESEARCH PROJECTS IN LABORATORIES

"The reason I choose to do my Internship here is because I wanted to learn some of the new and helpful things from a Start-Up Nation. This internship would also give me an international exposure as well as few ideas of what people working on and where the world is heading towards. I want to thank Prof. Yosi Shacham, who is the Chairman of Department of Physical Electronics and Vice Dean of Faculty of Engineering for giving me the opportunity to follow my internship at his Laboratory. He had the kindness to accept me in his laboratory and guide me through my internship with advice, feedback and tips despite his busy schedule."

Shivprasad G. Shivratri
DEVICES & SENSORS LABORATORY, PROF. YOSI SHAHAM

"This summer I got an internship making software that translates from German to English using Neural Networks. It was a great experience as a first year. I got to learn outside of the classroom doing something that I was interested in! I simply had to ask if there were any such opportunities. The faculty was very supportive. Internships like this are a great way to gain practical experience outside of the class. I started from knowing nothing about machine learning to generating grammatically correct sentences using machine learning. I really enjoyed it and I can only look forward to learning more."

Taivanbat Badamdorj
MACHINE LEARNING LABORATORY, DR. RAJA GIRYES



"I spent the summer working in the Physical Optics lab in TAU. The lab team, headed by Dr. Alon Bahabad, conducts theoretical and experimental research in the cutting edge areas of physical optics. Once I was done with the theory, we could start simulating experiments on MATLAB. I simulated various experiments and compared the results with the theoretical expectations. We also did a lot of experimental work in the lab. The lab has state of the art equipment which can be used to conduct various experiments. The Spatial Light Modulator (or SLM in short), for example, is a device which allows you to impose a phase/amplitude shift on the light beam hitting it. This device gives us a lot of maneuverability since the phase/amplitude mask on the SLM is computer generated. I consider myself very fortunate to have worked at such a great place with such amazing people. It was a great learning experience and a lot of fun."

Thomas Zacharias
PHYSICAL OPTICS LABORATORY, DR. ALON BAHABAD

COMPANIES VISITING TAU

Regular visits by world-renowned companies in the Faculty of Engineering.

Apple



Samsung



Applied Materials



STAFF — INTERNATIONAL PROGRAM OF ENGINEERING



Prof. Ehud Heyman

- Dean, International Program in Electrical and Electronics Engineering
- Former Dean of TAU's Engineering Faculty
- Ph.D., Polytechnic Institute
- B.Sc. Tel Aviv University, Summa Cum Claude
- IEEE Fellow and the 2011 laureate of URSI's Balthasar van der Pol Gold Medal Award



Mrs. Jennifer Gotlieb

- Director, International Program in Electrical and Electronics Engineering
- B.Sc. in Environmental Studies, Rutgers University
- Master's degree in Higher Education, Rowan University



Ms. Natasha Guetta

- Outreach Coordinator, International Program in Electrical and Electronics Engineering
- Bachelor's degree in Business & Management, Paris Dauphine University
- Master's degree in Marketing & Strategy, Paris Dauphine University & Tel Aviv University



Mrs. Ronit Perez

- Teaching Coordinator, International Program in Electrical and Electronics Engineering
- Bachelor's degree in Business Management & Social studies, Ben Gurion University

ACADEMICS — INTERNATIONAL PROGRAM OF ENGINEERING

The Bachelor of Science degree is awarded after an eight semester course of study comprised of 190 hours of direct teaching.

Engineering sciences, mathematics and physics courses are given to all students during the first four semesters at the university. Students concentrate on specialization courses during the fifth through eighth semesters. During the fourth year, students begin their integrated internship experience. Upon completion of the last semester and the final project, students fulfill the requirements of the Bachelor of Science (B.Sc.) degree.

The list of specialization courses was picked by the Dean and Academic Committee and focuses on the most available job opportunities in those fields upon graduation. This is subject to changes yearly.

- Digital signal processing (DSP)
- Computer architecture and devices
- Communication systems
- Control Systems
- Power Electronics
- Business and Entrepreneurship

2018–2019 ACADEMIC CALENDAR

EVENT	DATE
Fall Orientation	October 7, 2018
Fall Semester	October 8, 2018
Fall Semester Exams	February 2019
Spring Semester	March 2019
Spring Semester Exams	June/July 2019

* Calendar is subject to change at the discretion of the University staff

CURRICULUM

SEMESTER 1

COURSE NUMBER	COURSE	HOURS
0595.1820	Introduction to Computer Science using Python	4
0595.1824	Linear Algebra	7
0595.1826	Physics 1A	12
0595.1846	Calculus 1B	6
TOTAL HOURS		29

SEMESTER 2

COURSE NUMBER	COURSE	HOURS
0595.1829	Physics 2A	8
0595.1847	Calculus 2B	6
0595.1845	Ordinary Differential Equations	4
0595.1821	Programming 2 – C	4
0595.3561	Digital Logic Systems	4
TOTAL HOURS		26

SEMESTER 3

COURSE NUMBER	COURSE	HOURS
0595.2804	Numerical Analysis	4
0595.2830	Quantum and Solid state Physics	6
0595.2843	Harmonic Analysis	3
0595.2844	Complex Functions	3
0595.2832	Circuits and Linear Systems	6
0595.1000	MATLAB Solution of Engineering Programs	2
TOTAL HOURS		24

SEMESTER 4

COURSE NUMBER	COURSE	HOURS
0595.2510	Data Structures and Algorithms	4
0595.2846	Partial Differential Equations	3
0595.2508	Electronic Devices	6
0595.2801	Introduction to Probability and Statistics	4
0595.2835	Signals and Systems	4
0595.2525	Electromagnetic Fields	4
TOTAL HOURS		25

SEMESTER 5

COURSE NUMBER	COURSE	HOURS
0595.3513	Analog Electronic Circuits	6
0595.3591	Electronics Laboratory (1)	4
0595.3543	Introduction to Control Theory	3
0595.3632	Random Signals and Noise	5
0595.3526	Wave Transmission and Distributed Systems	4
0595.3571	Energy Conversion	4
TOTAL HOURS		26

SEMESTER 6

COURSE NUMBER	COURSE	HOURS
0595.3514	Digital Electronic Circuits	4
0595.3592	Electronics Laboratory (2)	4
0595.3572	Energy Conversion Laboratory	2
TOTAL HOURS		10

SEMESTER 7

COURSE NUMBER	COURSE	HOURS
0595.4001	Project	0
0595.3593	Electronics – Laboratory (3)	4
TOTAL HOURS		4

SEMESTER 8

COURSE NUMBER	COURSE	HOURS
0595.4000	Project	4
TOTAL HOURS		4
TOTAL BASIC PROGRAM		148

* Curriculum is subject to change at the discretion of the University staff

CURRICULUM

The courses in the advanced program may change according to needs. Each course is stand-alone, and may be given in Semesters 6, 7, 8, depending on teacher availability and other considerations. Each course is accompanied by an Advanced Lab.

COURSE NUMBER	COURSE	HOURS
0595.4200	Introduction to Digital Signal Processing	4
0595.4100	Communication Systems	4
0595.4362	Practical Feedback Systems	4
0595.4495	Introduction to Computer Structure & Operating Systems	4
0595.4703	Introduction to VLSI Design	4
0595.4863	Introduction to RF Circuits and Antennas	4
0595.4293	Digital Signal Processing Lab	2
0595.4193	Communication Lab	2
0595.3544	Control Lab	2
0595.4494	Computer Structure Lab	5
0595.4793	VLSI Lab	1
0595.4592	Advanced Power Electronics Lab	1
0595.4892	Microwave Lab	1
TOTAL HOURS		42
TOTAL PROGRAM		190

ENTREPRENEURSHIP TRACK — OPTIONAL COURSES

Upon request and confirmation from the Dean, students may take an Entrepreneurship course or full track, should they wish to do so. This is offered by TAU International in collaboration with the Recanati Business School.

COURSE NUMBER	COURSE	HOURS
1221.8000	Entrepreneurship from A to Z	3
1221.8005	Foundations of Entrepreneurship	3
1221.8004	Innovation — Theory and practice	3





LIFE IN TEL AVIV

A capital of industry, innovation and youth culture where sunny beaches and the national high-tech hub are within walking distance of each other.

A bit of History...

Tel Aviv was established in 1909, by a group of Jewish families from Jaffa, a port city which has been inhabited for over seven thousand years. Tel Aviv originally began where Jaffa ended, however in 1950 the two cities were united into a single municipal entity.

Tel Aviv-Jaffa is now Israel's cultural as well as financial center, a mix of antiquity and innovation, and the center of Israel's high-tech industry and youth culture.



Capital of Industry

Tel Aviv is the center of Israeli industry and commerce. Israel's only stock exchange as well as nearly 40% of the country's finance and banking industry is located in Tel Aviv.

High-tech is Israel's number one industry and has been the engine of Israel's rapid economic development over the last decades, even in the face of a global economic crisis. Israel has the largest number of startup firms per capita of any country and the second largest concentration of high-tech companies (after Silicon Valley).



City of Youth Culture

Tel Aviv has the largest concentration of night clubs and restaurants in Israel, despite being the country's second most populous city. Nightlife thrives in Tel Aviv due to the city's high percentage of residents between the ages of 18 and 34.

Global Recognition

The New York Times has described Tel Aviv as the 'capital of Mediterranean cool.' Lonely Planet ranked it as a top ten city for nightlife, and National Geographic named it one of the top ten beach cities. Tel Aviv is located on the Mediterranean coast and enjoys, on average, 318 sunny days a year. The city's public beaches are meticulously maintained and are open to visitors year-round, encouraging everything from laid back sunbathing on the sand to sporting activities such as wind surfing — a sport in which Israel won its first Olympic gold medal in 2004.



LIFE ON CAMPUS

TAU International

Within the bustling metropolis of Tel Aviv, TAU is home to over 2000 international students in diverse programs. Four decades ago, TAU opened its gates to accomplished students who came from all over the world to embark on a remarkable personal and academic journey.

Dormitories

The student dormitories are all conveniently located within walking distance from the Tel Aviv University campus. Dormitories are divided into suites of one or two bedrooms shared by two students per bedroom. Each Wi-Fi enabled suite is furnished and includes a kitchenette and bathroom.

Elite Sport Center

The Elite Sports Center serves as the venue for all regular university physical education courses, as well as competitive intercollegiate and Israeli league activities in a variety of sports. Facilities include an Olympic-size swimming pool, lighted tennis courts, a basketball court, a running track, and soccer stadium. The Goldreich Multipurpose Sports building houses fitness and weight rooms, squash courts, and a gymnastics hall. You may purchase a sports pass entitling you to the use of all sports facilities and activities for a nominal fee.



Health Insurance

While you are studying at Tel Aviv University your welfare is of paramount concern to us. Therefore, all International School students are required to have Israeli medical insurance, which the University arranges and is included in the tuition.

Safety and Security

The safety of the students is a priority at TAU, with security personnel covering all campus entrances and patrolling throughout the campus and dormitory complex 24 hours a day. Students should be prepared to show student cards or picture ID and submit bags for searches. The University's Security Department maintains close contact with government security agencies.



PRE-DEPARTURE INFORMATION

Passports

You must have a valid passport in order to leave your home country and enter Israel; your passport must be valid for six months after the date of entry and throughout your stay. If you do not have a valid passport, you should apply for one immediately. If you hold an Israeli passport, you will be required to present it upon arrival.

Tourist Visas

Short term visitors to Israel — for up to three months — who will not receive a salary during their visit — can enter the country with a tourist (B2) visa. Visitors from some countries do not need to obtain a visa prior to their arrival in Israel; they will automatically receive a B2 Tourist Visa, valid for three months, at their point of entry. Citizens of the following countries do not need to obtain a B2 Tourist Visa prior to arrival in Israel: Argentina, Australia, Austria, Bahamas, Barbados, Belgium, Bolivia, Brazil, Canada, Central African Republic, Chile, Colombia, Costa Rica, Croatia, Cyprus, Czech Republic, Denmark, Dominican Republic, Ecuador, el Salvador, Fiji, Finland, France, Germany, Gibraltar, Greece, Guatemala, Haiti, Hong Kong, Hungary, Iceland, Ireland, Italy, Jamaica, Japan, South Korea, Latvia, Lesotho, Liechtenstein, Lithuania, Luxembourg, Malawi, Malta, Mauritius, Mexico, Micronesia, Monaco, Mongolia, Netherlands, New Zealand, Norway, Panama, Paraguay, Philippines, Poland, Portugal, San Marino, Slovak Republic, Slovenia, South Africa, Spain, St. Kitts & Nevis, Suriname, Swaziland, Sweden, Switzerland, Trinidad & Tobago, United Kingdom, United States of America, Uruguay, and Vanuatu.

Student Visas

People visiting Israel who have been accepted for studies in an Israeli academic institution must obtain an A2 Student Visa. The visa can be obtained from Israeli consulates or embassies abroad. People can enter Israel on a tourist visa (B2 — see previous section) and change to an A2 visa after arrival in Israel through the Ministry of Interior, Tel Aviv Branch. An A2 visa is valid for up to a year and must be renewed annually. Obtaining the visa requires a meeting at the Ministry of Interior. The cost of this visa is 175 NIS.

For more information on Visas please check our website under [International → Visas](#)

Orientation Day

Orientation is generally scheduled 1 or 2 days before studies start. Orientation day is mandatory and students will be provided with information regarding dormitories, academic advisement, safety guidelines, etc.



CLUBS AND ORGANIZATIONS

Renewable Energy Center

The field of renewable energy research strives to find new, efficient and renewable energy sources to replace finite fossil fuels such as oil, natural gas and coal, and is considered one of the most significant challenges currently faced by humanity. "The world is currently in desperate need of green, environmentally friendly energy sources to bring an end to pollution and the continued destruction of our planet." says Prof. Yossi Rosenwaks, the Head of the Center for Renewable Energy at Tel Aviv University.

Entrepreneurship Club

StarTau is a non-profit organization which offers a variety of services to support Israel's aspiring entrepreneurs, connecting them with the business world and giving them the tools they need to succeed.

There are various activities throughout the campus such as Seminars and Trainings taught by experts and leading members in their field: Consulting and Mentoring; Events & International Affairs to build a connection with entrepreneurs and businesses worldwide.



Engineers Without Borders

Engineers Without Borders (EWB) strives to improve the quality of life for disadvantaged and under-served communities through the implementation of environmentally and economically sustainable engineering projects, while developing internationally oriented students from different disciplines. Their goal is to involve students in the pursuit of advancing the quality of life in developing communities worldwide, through the application of sustainable engineering solutions to basic problems relating to energy, water, waste management and more.

Some of their projects:

- The Tanzania Project: Bring potable water and solar energy for the people of Minjingu
- The Green School "APAC": Installation of renewable energy systems and recycling facilities
- Bio Gas in the Zoological Garden: Establishment of a Bio Gas system in the Tel Aviv Zoological Garden



Ambassadors Club

The Ambassador's Club is a unique educational program that provides international students with access to experts in the fields of public speaking and diplomacy, Israel history and security. The program is yearlong and upon completion, students receive an accreditation for their participation.



Model UN Club

Model United Nations (TAUMUN) is an academic simulation of the United Nations procedures learned through negotiation, discussion and lively debates. Along with the weekly training, TAUMUN prepares its participants for Israel's International Conference (ISRAMUN) which is held during the summer.

Vaad Handassa

The Vaad Handassa is the Committee of Israeli Engineering Students at Tel Aviv University. The Vaad organizes volunteering activities, concerts and parties throughout the year. They also offer a tutoring service for international and Israeli engineering students.



TAU Student Union BUDDIES

The Buddy System is a student-to-student program developed to match international students with their Israeli peers and plan events, lectures, volunteering and trips for both groups.



CLUBS AND ORGANIZATIONS



This prestigious club of TAU Engineering graduates runs weekly events and gives out yearly merit and need-based scholarships. Shiluvim facilitates graduates seeking employment, acting as a liaison between TAU Engineering alumni and hi-tech companies.

Tel Aviv University branches out to the International community

The honorable Dr. A.P. J. Abdul Kalam, 11th President of India and robust engineer, visited the Faculty of Engineering at the Tel Aviv University and addressed students and faculty members on the subject of "Technology Convergence and National Development". He also delivered a guest lecture at 'The Yuval Neeman Tel Aviv Workshop for Science and Technology and Security' on "National Empowerment and Space" organized at Tel Aviv University, in cooperation with Israel's Ministry of Science and Technology, and Israel Space Agency.



FEES & AID

FEES

Tuition USD 15,000 per year

Dormitories USD 600 per month

AID

A limited number of merit based scholarships will be awarded on a first come, first served basis. Prospective students must demonstrate outstanding academic achievement. Only once a prospective student has submitted his or her application for admission to the International School of Engineering may he/she apply for financial aid. In order to apply, please contact the Admissions Office directly. Students may find a number of other resources for financial aid from various countries and organizations. In order to apply, please contact these institutions directly.

Tel Aviv University International School

Additional resources that have awarded scholarships, grants, and loans to Tel Aviv University International students may be found on the Tel Aviv University International website.

http://international.tau.ac.il/scholarship_programs



ADMISSIONS

2018/2019 APPLICATION DEADLINES

Early Application	November 30, 2017
Regular Application	April 15, 2018
Late Application	July 31, 2018

Successful applicants who demonstrate an active interest for the engineering world as well as an academic commitment to the mathematics and sciences.

Application criteria

1. Completed application form
2. Two Essays, 300 words each, topics are listed on the application form
3. Two letters of recommendation
4. Official High School Transcripts and Diploma
5. Official Standardized University entrance exam test scores
6. English language proficiency exam, if applicable

How to Apply

1. Go to the website: <http://international.tau.ac.il/engineering>
2. Click on "Apply now", then "Create a profile" and follow all instructions and enter all the information.
3. Login once more to Student Portal using the new login/password
4. Click on "apply to the program"

Transcripts

For an application to be considered complete, it must include official copies of the applicant's diploma and all academic transcripts. Please ask your high school to send official copies of your diploma and academic transcript to:

International School of Engineering — Main Office Wolfson Computer and Software Engineering Building, Room 312, Tel Aviv University, Tel Aviv 6997801, Israel

Transcripts in any language other than English must be translated by an official notary. To facilitate the application process, we recommend applicants to scan a version and send it to int@eng.tau.ac.il.

Standardized University Entrance Exam Scores

Applicants should submit the results of their national university entrance examination: The American ACT or SAT, the French Baccalaureat, the Israeli Psychometric, the German Abitur, Indian Board exams, International Baccalaureate, Chinese GaoKao and GCE A-levels for the UK. If you have further questions, please contact the Admissions Office at int@eng.tau.ac.il.

Tel Aviv University's SAT code is 0810
Tel Aviv University's ACT code is 5517

English Language Proficiency Exam

Applicants must submit results from an English proficiency exam if their high school is not taught in English. Both the TOEFL (Test of English as a Foreign Language) and IELTS (International English language Testing Service) are accepted exams.

Tel Aviv University's TOEFL code is 7704

Personal Essay

There are two personal essays and responses must be a maximum of 300 words. This is the opportunity for the student to tell us about yourself—your dreams, ambitions, experiences and inspirations.

Letters of Recommendation

Please submit two academic references in support of your application.

- **TAU's online reference system.**
To use this option, after creating a student profile and beginning your application, you may enter your references' names and e-mail addresses in the designated fields. An email will automatically be sent to the designated recipients with a link to fill out an online recommendation form.
- **Hard copy recommendations submitted by mail.**
- **Recommendations submitted by e-mail.**
References may send their recommendations directly to int@eng.tau.ac.il

Application Fee

A non-refundable fee of US \$100 must be submitted with the application. The application will be evaluated only after the application fee is submitted.

The Admissions Office accepts payment via credit card, check, cash, or bank transfer. Credit card transactions are made through the online application form and are processed by our New York City office (with no foreign transaction fees for credit cards issued in the USA).

The address for bank transfers is as follows:

Bank Hapoalim — 12 Einstein Branch # 778
Account # 12-778-8800 Swift code: POALILIT
IBAN: IL
74-0127-7800-0000-0008-800
ADDRESS: 6 Bart St. Tel Aviv, ISRAEL

If paying by bank transfer:

You must indicate that the payment is for Tel Aviv University/International School of Engineering along with the name of the student.

In order to confirm the payment, you are required to send the bank receipt to our office by fax (+972-3-6407652) or scan and email a version. The student must cover any bank charges.

NOTE: Bank transfers take an extra amount of time to be processed, and will not automatically show in your profile as having been paid. You will need to send a transfer confirmation to the office.

If paying by personal check:

It should be made out to Tel Aviv University and mailed to:

Tel Aviv University
International School of Engineering
Wolfson Computer and Software Engineering Building, Room 312
P. O. Box 39040, Tel Aviv, Israel 6997801
Ramat Aviv 6997801, ISRAEL



TEL AVIV UNIVERSITY

We have offices in Israel, USA, Canada and India.
For any questions, please contact us at int@eng.tau.ac.il

ISRAEL

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