

THE IBY AND ALADAR FLEISCHMAN FACULTY OF ENGINEERING

- 0512 Electrical and Electronic Engineering (sm)
- 0515 Electrical and Electronic Engineering and
Computer Science (Computer and Software
Engineering Program)
- 0516 Dual-degree Program in Electrical and Electronic
Engineering and Physics
- 0542 Mechanical Engineering (sm)
- 0555 Bio-Medical Engineering (sm)
- 0573 Industrial Engineering and Management (sm)

Courses of instruction toward the B.Sc. degree in Engineering are based on the semester credit system. The average completion time of the program is four years.

All undergraduate courses in the Faculty are given in Hebrew.

Courses of the first four semesters concentrate on the acquisition of the basic tools of mathematics, general studies in the exact sciences, and the fundamentals of engineering.

In the fifth and sixth semesters, students take basic engineering courses relevant to their specific engineering discipline. The seventh and eighth semesters are devoted to expanding and advancing professional knowledge, pursuing in-depth specialization, and planning projects in the student's fields of specialization.

Graduates of foreign high schools must have successfully completed one academic year of the Mechina in the exact sciences program or one academic year at a university where the program included at least one advanced mathematics course as well as courses in exact sciences.

Applicants holding the British GCE must have passed A-level exams in at least two subjects in mathematics and the exact sciences.

Graduates of French secondary schools must have certificates indicating successful completion of the mathematics-physics course.

Applicants holding the Israeli Matriculation (Bagrut), see the Hebrew information booklet.

Candidates with previous academic studies that include high level courses in mathematics and physics may apply for admittance to an advanced year at the Faculty of Engineering provided they have a satisfactory study record and their minimum grade point average during at least one full year of study and their cumulative grade average is 80.

Applicants whose matriculation (or equivalent) grades do not include Physics at the equivalent level of 5 units with a grade of at least 70 will be required to pass a classification exam in Physics as follows. Applicants to the program in Electrical Engineering, Electrical Engineering and Computer Sciences, the dual degree program of Electrical Engineering and Physics, will be accepted on condition they successfully pass the classification exam in Physics with **a grade of at least 70**, until the beginning of the academic year. Those who apply to the programs for Mechanical Engineering, Industrial and Management Engineering and Bio-Medical Engineering, will be accepted on condition they successfully pass the classification exam in Physics with **a grade of at least 70**, until the end of the first semester.

The Admissions Committee will consider only candidates who submit the results of their matriculation and a record of the final Mechina (for newcomers only) grades by July 28, 2012.

When applying for admission, candidates may list on their application forms only one additional alternative to their first choice and should stipulate if their additional choice is from another faculty. Only if applicants choose 0512 and 0516 may they select a third engineering program.

Applicants must take the Psychometric Entrance Examination by March/April 2012 (or by July 2012, in French and Spanish). Students studying in the Mechina Program for newcomers may take the exam by July 2012.