

# **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)
- 0571 Industrial Engineering (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.

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.

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 14, 2006.

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 April 2006 (or by July 2006, in French and Spanish). Students studying in the Mechina Program for newcomers may take the exam by July 2006.

**Important!**

Candidates for first or advanced years who do not hold Israeli Matriculation (Bagrut), must take the NITE's Mathematics Placement Exam. Candidates unable to take this exam should write to the Student Secretariat of the Faculty of Engineering no later than June 29, 2006; otherwise, they will be automatically rejected.

For details about the Mathematics Placement Exam, see the Examination Schedule in the colored pages of this booklet. The exam is valid for the five following academic years.

Candidates who are admitted to the Faculty, but do not have the required level of physics, will be required to supplement prerequisite courses and pass an exam before commencing physics studies at the Faculty.