

## **Discover a World of Engineering Excellence Participating in Braude College's Study Abroad Program**

### **Background:**

Braude College (BC) is an Israeli institution for higher education, located in the city Karmiel in the heart of the Galilee. It offers six Bachelor of Science (B.Sc.) undergraduate degree programs in the following engineering disciplines: Biotechnology Engineering, Electrical and Electronic Engineering, Industrial Engineering and Management, Information Systems Engineering, Mechanical Engineering, and Software Engineering, and Applied Mathematics.

All BC engineering 4-year programs are accredited by the Council for Higher Education of Israel. About 2800 students are currently enrolled in engineering studies at BC. The College employs about 320 lecturers, 80 of whom are tenured faculty members. Another 240 of our lecturers are professionals who work in local industries, or other universities. The College campus has state-of-the-art classrooms, advanced teaching and research laboratories, a rich digital library, comfortable dormitories, and other student services to make life on campus dynamic and enjoyable.



### **The Study Abroad Program – One Semester in Israel**

The BC study abroad program offers courses equivalent to the studies of one full semester in a quality engineering study program in the USA. All courses are taught in English. The academic course content and level in the BC study abroad program are similar to those offered by respected engineering universities in the USA.

Besides the focus on high academic standards, the study abroad program at Braude College is designed to give students an opportunity to experience the spirit of studying in Israel, in several ways:

1. The pre-semester activities start in January with an introductory course in basic Hebrew. The objective is to give the student elementary knowledge and vocabulary to enable him or her to communicate in the local language.
2. The pre-semester activities also include tours throughout the country to acquaint the student with different facets of Israel and its culture.
3. Academic courses in the study abroad program start in March. The study abroad program coincides with the general BC spring semester, and ends in July, after 14 weeks of studies (the equivalent of an Israeli university semester).
4. Israeli students are expected to participate in the study abroad courses, which will be taught in English. Studying in joint classes, and sharing dormitories on campus are expected to foster friendships between the foreign and local students.

The BC study abroad program is suitable for students in their junior year, nominally in their 6<sup>th</sup> semester in a school of engineering. Braude College's study abroad program offers core engineering courses as well as elective courses. The study abroad program also offers unique humanities courses. .

Students can choose courses in engineering from the following list:

1. Advanced Topics in Thermodynamics
2. Industrial Automation
3. Introduction to Polymers and Plastics
4. Manufacturing Processes
5. Selective Topics in Advanced Israeli Industries

In addition, students can select one or two courses in general studies that are related and especially suited for the study program in Israel. These general courses reflect the history, archeology, and culture of Israel and the region.

The Braude College's study abroad program focuses on a quality learning experience. Lectures are given in small groups. The BC experience is further augmented by offering tutoring sessions in which they can practice the theoretical material taught in class. Our laboratories provide hands on experience and field trips strengthen students' exposure both to the different aspects of the material they study and the real world of engineering.

The study abroad program at BC is already accepted by several engineering schools in the USA, and recognition of its program is growing.

Students from the following disciplines are encouraged to apply to BC study abroad program:

- Mechanical Engineering
- Chemical Engineering
- Electrical Engineering
- Aeronautic Engineering
- Industrial Engineering
- Civil Engineering

Students in BC's study abroad program have full use of the dormitories, food services and social activities offered on campus. In addition, students could also take part in Israeli cultural events and social interactions outside the BC campus.

The study abroad program at Braude College combines an excellent academic program with the opportunity to experience multi-faceted college life in Israel.