



M.Sc. in Biotechnology Engineering



אוניברסיטת בן-גוריון בנגב
Ben-Gurion University of the Negev



The Avram and Stella Goldstein-Goren Department of Biotechnology Engineering

As one of the youngest departments at Ben-Gurion University of the Negev, the Avram and Stella Goldstein-Goren Department of Biotechnology Engineering (BTE) offers a vibrant cutting-edge research atmosphere led by 15 faculty members. The Department is strategically situated in the Guzik Family Building for Biotechnology Engineering, between the Ilse Katz Institute for Nanoscale Science & Technology and the National Institute for Biotechnology in the Negev. The Department is equipped with state-of-the-art laboratories and research facilities funded by numerous prestigious academic grants and supported by a generous donation from the Goldstein-Goren family. The Department invests continual efforts in providing students with hands-on experience in laboratory classes that develop engineering skills and experience in three major clusters: Medical Biotechnology, Nanobiotechnology, and Energy and Environmental Biotechnology. The broad range of research subjects covered at BTE includes: microbiology, biochemistry, genetic engineering, renewable energy, nutraceuticals, medical sciences, biological drugs, tissue engineering, stem cells, and synthetic biology. Many of our graduates now hold key positions in academic institutions and in the Biotech industry in Israel and around the world.

M.Sc. Degree in Biotechnology Engineering

The Department offers graduate studies towards both M.Sc. and Ph.D. degrees. The duration of the M.Sc. Program is two years (four semesters). The Program is highly research oriented and is conducted in the BTE laboratories under the guidance of our faculty members. M.Sc. studies are completed with a research thesis that summarizes the student's unique scientific results and an oral presentation, which are evaluated by a scientific committee.

Many of our M.Sc. students qualify for Ph.D. studies in the prestigious Combined Ph.D. Track, such that the M.Sc. thesis serves also as the research proposal for the Ph.D. candidacy evaluation.

M.Sc. Thesis

The research leading to the M.Sc. thesis is conducted throughout the two years of studies. The student is expected to publish and present the research results in leading international journals and conferences. The thesis is evaluated through a written report and an oral examination.

Application Requirements

Applicants to the M.Sc. Program in BTE should hold B.Sc. degree in Biotechnology Engineering or in closely related fields from an accredited institution at a minimum GPA of 80/100, as well as have a TOEFL score of at least 85/120 or an equivalent score in an internationally recognized English proficiency exam. The English proficiency requirement is waived for applicants who received their B.Sc. degree in a program taught in English. GRE is recommended but not required. Additionally, prior to applying to the M.Sc. program, the applicant is expected to contact a potential advisor among the BTE faculty, as well as the BTE director of graduate studies for further information.

How to Apply

Please visit our online application site at: <https://apps4cloud.bgu.ac.il/engrg/>
Applications are accepted on a rolling basis. Please check website for the scholarships application deadline.

Tuition Fees

Tuition is approximately \$ 5,000 (US) per year. Outstanding students may be eligible for scholarships, which cover tuition fees and provide living expenses.

Further Details

The Avram and Stella Goldstein-Goren Department of Biotechnology Engineering at BGU: <http://in.bgu.ac.il/en/engn/biotech/Pages/default.aspx>

Director of Graduate Studies:

Prof. Hanna Rapaport, email: Biotech.grad@bgu.ac.il
BGU International - www.bgu.ac.il/international