



Faculty of
Exact Sciences
Bar-Ilan University

Shape Your Research Legacy at Bar-Ilan University, Israel



Bar-Ilan University, located at the heart of Israel's vibrant academic community, is a leader in fostering international collaboration and diverse research perspectives.

Our university believes in bringing together scholars from varied backgrounds around the world to enrich scientific knowledge and professional expertise.

At Bar-Ilan University, you'll experience cutting-edge academic methodologies that differ from what you may be accustomed to, creating a rich scientific journey and broader research experience.

Why Choose Bar-Ilan University?

The Faculty of Exact Sciences at Bar-Ilan University is experiencing remarkable growth with a new state-of-the-art building, recruitment of pioneering researchers in breakthrough fields, and continuous upgrades of facilities and equipment. We're seeking highly motivated graduate students to join our thriving academic community.

WHAT WE OFFER

Top-Tier Education at Affordable Rates – Experience world-class academic programs at a fraction of US and European tuition costs

Complete English-Language Programs – Master's and PhD tracks fully taught in English across multiple disciplines

Substantial Financial Support – Tuition waivers for students in research MSc/PhD programs and generous stipends for science studies

Streamlined Admissions Process – Easy application, with personal guidance and flexible options such as direct PhD tracks for outstanding candidates

Comprehensive International Student Support – Full assistance with visa processing, health insurance, and campus integration

Rich Student Experience – Hebrew language courses, career counseling, student clubs, tours, and social events



Discover our Departments



Department of
Chemistry
Faculty of Exact Sciences
Bar-Ilan University

Chemistry

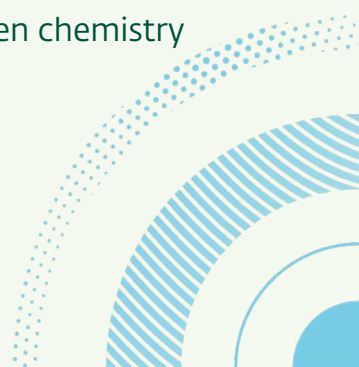
Advancing Molecular Frontiers



The Chemistry Department at Bar-Ilan combines fundamental research with practical applications, addressing global challenges through molecular innovation.

Key Advantages:

- + Interdisciplinary Research Environment** – Work at the intersection of chemistry, biology, physics, and materials science, nanotechnology
- + State-of-the-Art Instrumentation** – Access advanced spectroscopy, microscopy, and analytical facilities
- + Industry Connections** – Collaborate with Israel's thriving energy, materials, biotech and pharmaceutical sectors
- + Sustainability Focus** – Contribute to green chemistry initiatives and environmental solutions



Chemistry Innovation at Bar-Ilan:

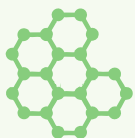
- ⊕ **Medicinal Chemistry** – Design and develop molecules that become life-saving drugs, blending chemistry, biology, and innovation to fight disease at the molecular level
- ⊕ **Chemical Biology** – Apply chemistry and physics principles to biology systems, investigating molecular dynamics and cellular mechanism
- ⊕ **Material Science** – Design new materials for energy, electronics, optics, solar cells, and many more
- ⊕ **Energy and Sustainability** – Develop new ways for energy storage, and fight climate changes, ensure food security, and better crop yield
- ⊕ **Computational Chemistry** – Develop new methodologies and explore chemical, biological and materials systems using diverse computational techniques



Expand Your Horizons with Interdisciplinary Research



Data Science and AI Institute – Collaborate on cross-department projects, access seminars, and work with co-advisors across faculties



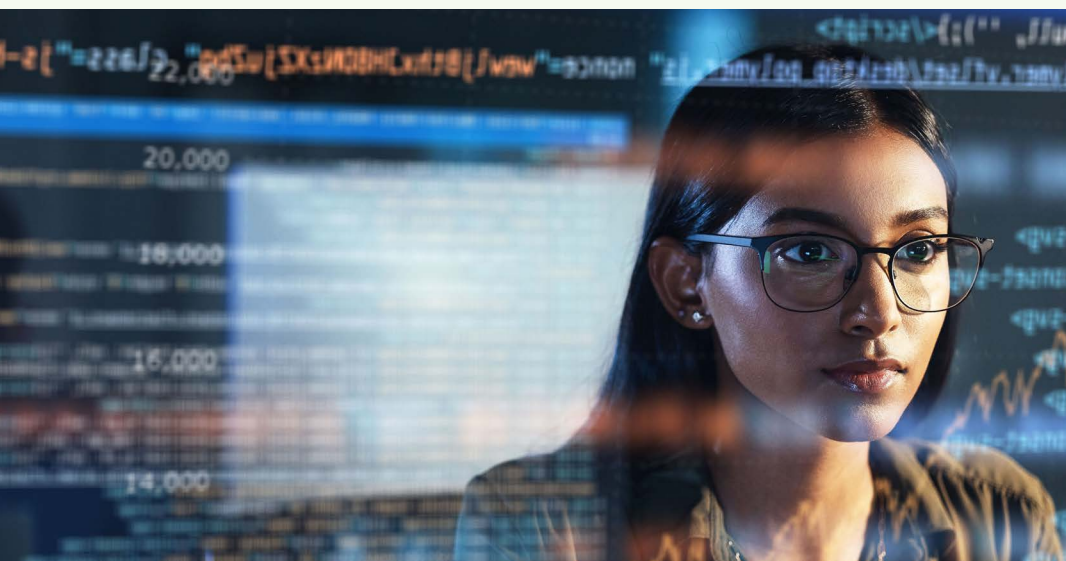
Nanotechnology Innovation – Connect with BINA, the Bar-Ilan Institute of Nanotechnology and Advanced Materials, ranked 3rd worldwide in materials science citations



Cross-Faculty Collaboration – Combine disciplines like AI with neuroscience, optimization with engineering, and biophysics with physics



Global Impact – Present, collaborate, and study abroad through Bar-Ilan's international research programs like Erasmus+





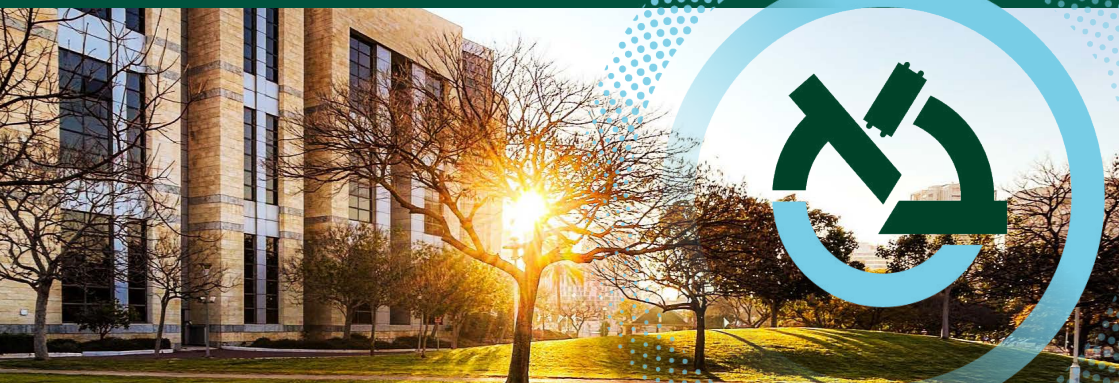
A Community that Feels Like Home

Diverse and Inclusive – Study alongside students from around the world in our welcoming campus environment

Research with Impact – Contribute to groundbreaking work in science, technology, AI, and healthcare innovation

Experience Israel – Enjoy vibrant urban life, Mediterranean beaches, historical sites, and Israel's unique entrepreneurial culture

Begin Your Journey – Join our English programs with world-class mentors and comprehensive support



Applications are now **open for admission!**

For more information

Faculty of Exact Sciences:

<https://cris.biu.ac.il/en/organisations/bar-ilan-university-faculty-of-exact-sciences>

Mathematics Department: <https://math.biu.ac.il/en>

Physics Department: <https://physics.biu.ac.il/en>

Chemistry Department: <https://ch.biu.ac.il>

Computer Science Department: <https://cs.biu.ac.il/en>

BIU International Office: <https://biuinternational.com>