

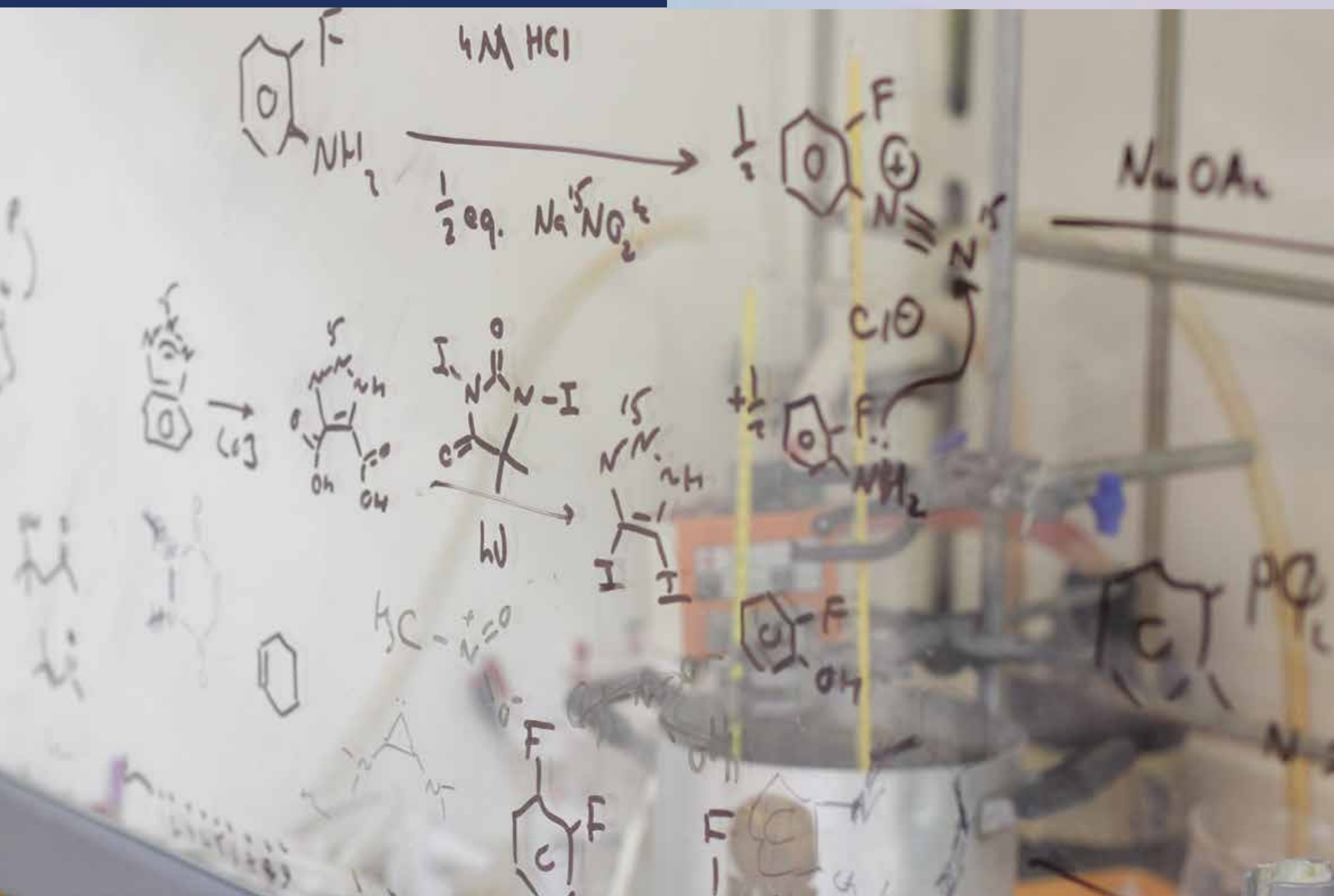
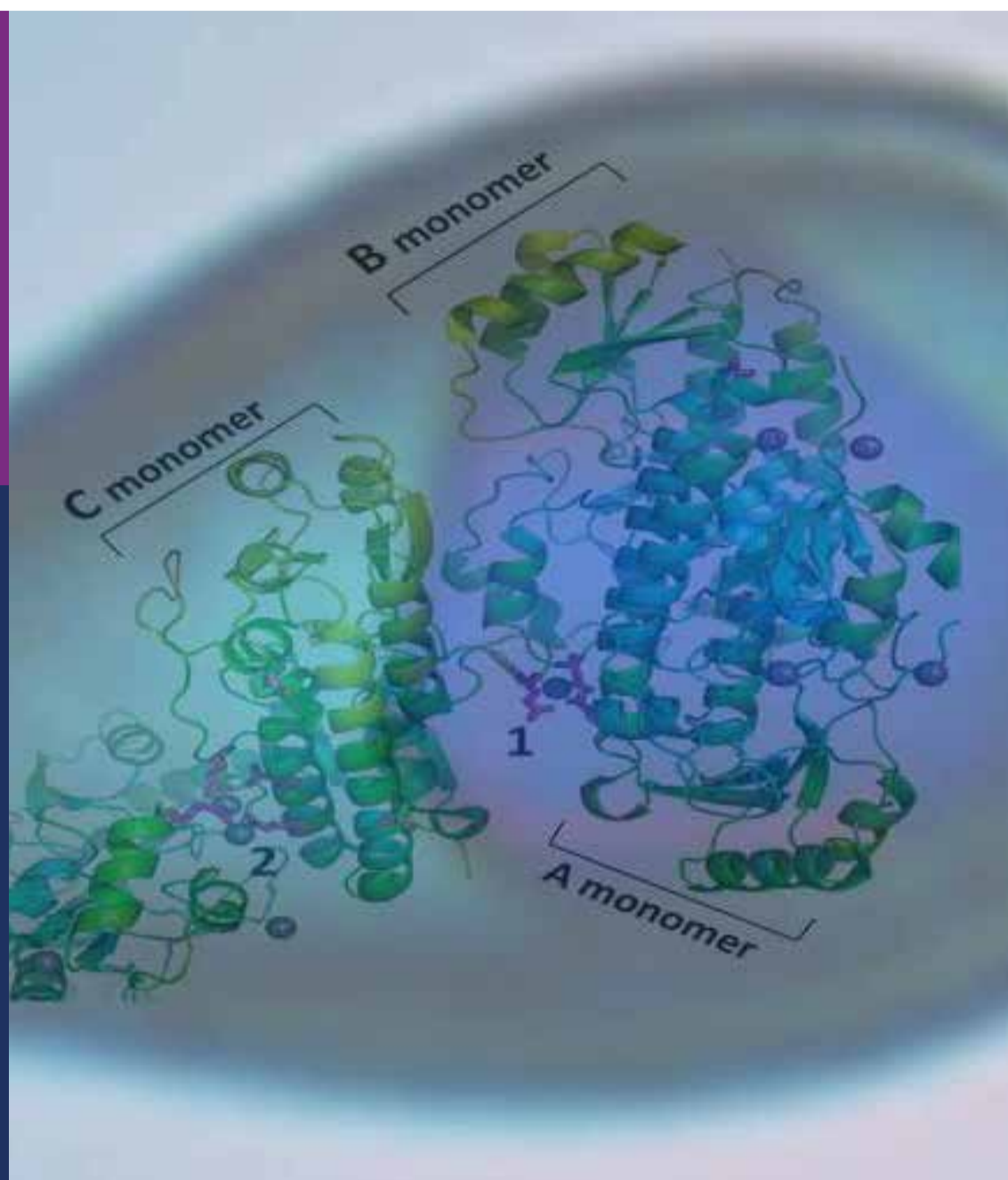
ChemTech

MSc / PhD International
Programs in Chemistry

Study in English at
Technion - Israel Institute
of Technology: Schulich
Faculty of Chemistry

Join Us

www.ise.technion.ac.il



About Technion – Israel Institute of Technology

Technion - Israel Institute of Technology is Israel's premier center of science, technology and applied research. Ranked among the top technology universities in the world, Technion is home to nearly 13,000 students, 18 faculties, over 50 research centers and a distinguished faculty of 600 including three Nobel Laureates in Chemistry. The 2012 Skoltech/MIT Initiative Benchmarking Study ranked Technion in sixth place in the world for entrepreneurship and innovation and rated in first place for supporting the most stimulating environment. Technion graduates have created and lead most of Israel's high-tech companies.



ChemTech International Graduate Studies Program in Chemistry

ChemTech is a new international graduate program in Chemistry taught entirely in English at the Schulich Faculty of Chemistry – ranked 6th in Europe and 29th in the world.

The ChemTech Graduate Program offers intensive full-time research M.Sc. and Ph.D. study tracks in all modern fields of chemistry.

ChemTech will engage you in cutting-edge science, expose you to new promising fields, and let you apply hands-on some of the most sophisticated scientific instrumentation available.

Our Program will prepare you for independent, critical and creative research. Here you'll be taught the most modern scientific research methods and will be guided by world-leading faculty members in a multidisciplinary environment.

At the Schulich Faculty of Chemistry, you'll receive a broad and high-level scientific education, and become part of a vibrant community of scientists from Israel and abroad involved in world-class research.

For detailed course listings visit our website:
www.ise.technion.ac.il



Program Details:

The program offers three options of study:

- M.Sc. degree (2-year program)
- Ph.D. 4.5-year direct track; an M.Sc. degree is awarded after successfully passing the Ph.D. candidacy exam
- Ph.D. 3.5-year track for students who hold an M.Sc. degree

Course requirements based on Technion courses taught in English.

Master Program

- Graduates students of 3-year bachelor degrees: 30 credits points
- Graduates students of 4-year bachelor degrees: 16 credits points

Ph.D. Program

- 6 credit points for those who hold an M.Sc.

International students will be required to complete one course in basic Hebrew during their first year of study.

More information about course requirements is available on our website:
www.ise.technion.ac.il

Housing & Student Life: Trips & Social Activities

International students live in special graduate accommodations on Technion's modern and vibrant Haifa campus supporting a multicultural student community. On campus you'll have access to cutting-edge facilities and a wide range of sports centers (including an Olympic sized swimming pool), and participate in social and cultural programs, lectures and trips to enrich your study and student life in Israel.



“The main lesson that I have learned over time is that a good scientist is a humble and listening scientist and not one that is sure 100 percent in what he reads in the textbooks.”

Technion Professor Dan Shechtman
a Nobel Laureate in Chemistry (2011) for his discovery of quasicrystals



Financial Information:

Each graduate student accepted to the Program will be provided with:

- Fellowship (stipend)
- Full exemption from tuition fees
- Health Insurance

Application Process:

Candidates will be evaluated by an academic committee, whose decisions will be based on the following criteria:

- Academic excellence in the B.Sc. or M.Sc., with a major in Chemistry
- 3 recommendation letters from scientists
- A two page research proposal (optional)
- Interview
- Very good English skills (TOEFL or IELTS)
- Preference will be given to students with proven experience in research
- Letter of acceptance by a faculty member of the Schulich Faculty of Chemistry after initial approval of candidacy

Application forms and further admission information are available on
www.ise.technion.ac.il



ChemTech International Graduate Studies Program

Study in English at the Schulich Faculty of Chemistry

Earn your M.Sc. or Ph.D. degree in a supportive and stimulating multidisciplinary environment and join the vibrant community of culturally diverse scientists from around the world engaged in groundbreaking scientific work.

Research projects at the Schulich Faculty of Chemistry cover a broad spectrum of topics in the chemical sciences. The Faculty consists of two main research divisions: the Division of Organic and Inorganic Chemistry (consisting of 11 research groups) and the Division of Physical, Theoretical and Analytical Chemistry (comprised of 14 research groups).

Scientific interests and activities of the Division of Organic and Inorganic Chemistry encompass general fields of organic, inorganic, bio-organic, bio-inorganic, catalysis, Computational and Theoretical, supramolecular, polymer and materials chemistry.

The Division of Analytical, Physical and Theoretical Chemistry includes researchers with a very broad spectrum of scientific interests. Their studies are mostly directed at obtaining high resolution characterization on the atomic and molecular levels. Topics include production and analysis on nano-materials, interactions between molecules and solid state surfaces, structure determination of molecular systems by X-ray crystallography and magnetic resonance, quantum chemistry and high-level theoretical descriptions of atomic and molecular systems, ultra-fast spectroscopies, novel energy conversion and storage systems, and much more.

Multidisciplinary research is encouraged by the Faculty and supported through joint collaborations with faculty from other scientific fields. Many of these research collaborations are performed through Technion affiliated Centers of Excellence.

In addition to research and course study, a vibrant program of seminars and lessons by visiting world-leading chemists will make up an integral part of your studies here.

More information can be found on our website
www.ise.technion.ac.il

Faculty website: www.schulich.technion.ac.il/en/