



Chemical Technology



Programme description

The Chemical Technology study course was created for students, who wish to become a bridge between chemists and engineers, combining their skills with an interdisciplinary perspective on industrial processes.

The particular advantage of undertaking the Chemical Technology study course is the unique mixture of theoretical knowledge with laboratory and technological practices. As a student of our Faculty, you will learn the principles of conducting technological processes and implement them in the industry. Moreover, numerous projects will allow you to develop your ability to work as part of a team, while specialized English language skillset will enable efficient communication with technologists from different branches of the industry. As a result, you will become a specialist sought-after on the international labour market.

After finishing the 3.5 year study course you will obtain the Engineering degree. During this time you will also have the possibility to participate in an international apprenticeship as part of the Erasmus+ programme and the activity of the IAESTE association.

As an Engineer, you will have an open path to work in the fields associated with pharmaceuticals, cosmetics, petrochemicals, food, electrochemistry, processing of plastics, synthesis of organic and inorganic compounds as well as several other branches of the industry.

You can also apply for second-cycle studies and obtain the Master of Science Engineer degree in one of several majors: Organic Technology, Polymer Technology, Technical Electrochemistry, Composites and Nanomaterials, Chemical Engineering, Bioprocesses and Biomaterials Engineering, Ecotechnology or Monitoring. This will increase your competitiveness on the labour market.

Course summary:

Semester 1

- Mathematics
- Physics
- General and Inorganic Chemistry
- Engineering Graphics
- Information Technology
- Eligible Humanistic Subject
- Foreign Language
- Physical Education
- Working Safety
- Library services

Semester 2

- Mathematics
- Physics
- General and Inorganic Chemistry
- Analytical Chemistry
- Foreign Language
- Eligible Humanistic Subject
- Eligible Subjects
- Physical Education

Semester 3

- Organic Chemistry
- Chemical and Process Thermodynamics
- Instrumental Analysis
- Material Science and Theory of Machines
- Eligible Subject in General and Inorganic Chemistry
- Eligible Subjects

Semester 4

- Organic Chemistry
- Physical Chemistry
- Chemical Industry Equipment
- Chemometrics and Elements of Statistics
- Solid State Chemistry

Semester 5

- Chemical Engineering
- Fundamentals of Chemical Technology
- Inorganic Chemical Technology
- Technology of Polymeric Materials
- Eligible Subjects

Semester 6

- Fundamentals of Electrochemical Technology
- Elements of Electrical Engineering and Electronics
- Organic Chemical Technology
- Methods of Organic Compounds Analysis
- Elements of Automation and Measurements in Chemical Technology
- Technological Project
- Eligible Subjects
- Eligible Lecture
- Professional Practice
- Information Skills

Semester 7

- Technology of Special Purpose Materials and Nanomaterials
- Exploitation and Process Safety
- Methods of Technological Process Control
- Eligible Subjects
- Eligible Lecture
- Diploma Seminar
- Preparation and Submission of the Thesis



Chemical Technology

University	Poznan University of Technology Poznan, POLAND
Degree to be obtained	Bachelor of Science, Eng.
Programme website	https://www.put.poznan.pl/en
Contact	International Relations Office Pl. M. Skłodowskiej-Curie 5 60-965 Poznan, Poland
Phone	+48 61 665 3544
Fax	+48 61 665 3956
E-mail	study@put.poznan.pl
Language of instruction	English
ETCS points	210
Duration	3.5 years (7 semesters)
Programme begins	end of September
Programme ends	end of February
Deadline for applications	middle of July
Education requirements	English language – level B2 (Common European Framework), Secondary school certificate which entitles its holder to apply to higher education institutions. Full list of the required documents is available at: https://www.put.poznan.pl/en
Mode of instruction	Lectures, classes, laboratory classes, projects, internships

