



Politechnika Łódzka

Published on *Politechnika Łódzka - Rekrutacja* (<https://rekrutacja.p.lodz.pl>)

Organizational unit running the field of study:

Faculty of Chemistry

Cycle of study:

Second-cycle

Mode of study:

Full-time (degree programme)

Language of instruction:

Polish

Degree awarded:

Master

Duration of study:

1,5 years

Description of the field of study:

Students develop the skills to use general knowledge encompassing manufacturing processes, processing and testing of chemical compounds and materials. Field-specific knowledge is complemented with good understanding of chemistry, chemical technology, mathematics and physics as well as English chemical and technological terminology. Students learn the methods of production and safe usage of chemical products. They learn how to handle used goods and waste, encourage sustainable development, work on team projects, manage human resources and use professional literature and comply with the legal requirements in regard to economic activity. Students are introduced to technological processes (especially those that are environment friendly) and learn the skills to interpret and describe quantitatively fundamental chemical and physicochemical phenomena, conduct laboratory projects and organize safe and efficient workstations for the performance of these tasks.

Specializations:

- biomedical and radiation engineering
- industrial catalysis
- technology of dyes, auxiliaries and household chemicals
- technology of drugs and plant protection products
- polymer technology

Graduate profile:

Graduates are prepared to work in industry, at research laboratories, in administration and at any other

institutions where there is a demand for specialists in chemistry or chemical technology. They have advanced knowledge of modern chemistry and chemical technology as regards the chosen specialization. They are prepared to conduct research in the chosen specialization, perform complex analysis of chemical and technological processes and to implement processes and products in practical activity in collaboration with specialists in other fields. They are able to apply modern methods of data analysis to solve problems and they can operate modern chemical apparatus. They are familiar with environmental protection, sustainable development; they know legal, ethical and economic principles which they adhere to when working on technological processes. They are prepared to take up positions in industry, research institutes, administration and management sectors. They are trained to appreciate the need for continual learning and professional development and prepared to pursue a third-cycle degree.

Date of enrolment:

29.01.- 26.02.2024, 1st recruitment for foreigners: 6.12.2023 - 4.01.2024

Admission requirements:

- [Admissions calendar](#) [1]
- [Required documents](#) [2]
- [Fees](#) [3]

Source URL:<https://rekrutacja.p.lodz.pl/en/technologia-chemiczna-second-cycle-faculty-chemistry>

Links

[1] <https://rekrutacja.p.lodz.pl/en/deadlines> [2] <https://rekrutacja.p.lodz.pl/en/documents> [3] <https://rekrutacja.p.lodz.pl/en/tuition-fees>