



West Pomeranian
University of Technology
in Szczecin



Faculty
of Chemical Technology
and Engineering



field of study
CHEMICAL ENGINEERING

CHEMICAL ENGINEERING

Studies in English (3,5 years) bachelor's study
tuition fees: 4600 PLN / semester

WHAT IS CHEMICAL ENGINEERING?

Chemical engineering is a bridge connecting chemistry (chemical reactions in test tube) to the real world outside laboratory. Chemical engineers find methods for increasing the laboratory scale of processes to an industrial scale. For this purpose, based on knowledge of physical, chemical and biological phenomena, they apply engineering principles to: invent, design, develop and implement processes, manage and operate processes, design and improve products. Chemical engineering is, first, knowledge of processes and appliances in industrial systems, ability to design and supervise the operation of industrial systems.

WHAT DOES SUCH AN ENGINEER DO, WHAT DOES HIS / HER JOB LOOK LIKE?

Chemical engineer primarily deals with the design of processes which involves developing new processes, designing equipment and systems for processes, controlling a process or improving the process. Engineers, graduates of Chemical Engineering deal with physical and chemical changes (such as chemical and biochemical reactions, momentum, heat and mass transfer processes) on different scales, i.e. on the molecular level (how molecules react), on the process level (as changes occur in apparatus), on the system level (which way processes can be related to each other) and on the global level (logistics, management, environment).



WHERE CAN A GRADUATE WORK?

Chemical Engineering makes it possible to achieve many attractive professional careers in the country and abroad. Engineers with the speciality of Chemical and Process Engineering are easily able to find employment in small and large companies with a wide range of activities. Process Engineer is still one of the best-paid professions in the world. Our graduates are specialists needed in the chemical and refining, natural gas treatment, rubber, food and pharmaceutical, energy and heating industries, municipal and sewage treatment plants, process equipment construction, design offices, consulting companies, environmental control services, safety, industrial hygiene, in laboratories and research institutes. Graduates, who do not want to work in the industry can easily find employment in other sectors because they acquired skills in solving modern engineering problems at university. They possess skills in engineering analysis and management. Chemical engineer can prepare technical documentation and has the appropriate qualifications to participate in research and development projects focused on the needs of the industry. Examples of companies that employ chemical engineers from WPUT Szczecin are Grupa Azoty Police S.A., Fosfan S.A., Terminal LNG im. Prezydenta Lecha Kaczyńskiego w Świnoujściu, Oczyszczalnia Ścieków Pomorzany, Browar 'Bosman' w Szczecinie, Polski LNG, Kabel-Technik-Polska Sp. z o.o. and many more.



Wydział
Technologii i Inżynierii
Chemicznej

WHY CHOOSE BACHELOR'S DEGREE IN CHEMICAL ENGINEERING IN SZCZECIN?

Szczecin has a fantastic reputation for Chemical Engineering, but here are a few more reasons why you should study here:

Chemical Engineering in Szczecin is the 3rd best chemical engineering study in Poland (Perspektywy Ranking 2019). All our Chemical Engineering courses are developed according to American standards of education. The Faculty has fantastic industry links with companies such as Grupa Azoty Police S.A., Fosfan S.A., Terminal LNG im. Prezydenta Lecha Kaczyńskiego w Świnoujściu, Oczyszczalnia Ścieków Pomorzany, Browar 'Bosman' w Szczecinie, Polski LNG, Kabel-Technik-Polska Sp. z o.o. and many more. Every year, huge funds are invested in the reconstruction of the Faculty's laboratories, including student and research laboratories, computer laboratories and lecture halls. We have a strong and growing research programme with world-class research activities and about 50 full-time academic staff plus PhD students, postdoctoral research fellows and visitors from across the world.

wtiich.zut.edu.pl
wtiich@zut.edu.pl

facebook.com/WTiCh

tel.: 91 449 46 68

71-065 Szczecin,
al. Piastów 42