

Silesian University of Technology



# Study offer in English



Welcome to the Silesian University of Technology (SUT), a place that without any doubts educates successful people. Almost 10% of top-managers in Poland graduated from SUT and also its alumni receive the highest salaries in the region and the 4th highest in Poland. Recently we have also ranked as the 4th among higher education schools whose graduates are most sought after by employers. Join us and choose the unique opportunity to study engineering in an institution of a worldwide academic reputation and a vivid cooperation with major industrial partners. SUT is also a key player in new technologies and innovations. It is here where new ideas and solutions are being brought into life and once applied in industry they boost competitiveness of Polish and international firms.

## Learn from the best

We are home to a vibrant community of almost 1,800 of the best and brightest minds. We attract academics whose passion and brilliance drives them to become leaders in their field. The excellent teaching staff is one of the strongest assets of the university. The inauguration ceremony of the first academic year with 3,000 students and 200 teachers, was held 70 years ago. Today, there are nearly 25,000 students, 1800 academics and almost 50 fields of studies encompassing the whole range of engineering disciplines.

## Study in the heart of Europe

Poland is one of the largest countries in Europe, a modern and dynamic member of the European Union where education really counts. It is situated in the middle of the European continent at the crossroads between West and East. Poland is an ideal place not only for studying, but also for travelling. A journey across Poland is a great opportunity to experience breath-taking landscapes of mountains, sea, lakes and woods as well as to taste Polish cuisine and hospitality. Compared to other EU countries the costs of living are a fraction of what a foreign student would have to spend in most other European cities.

## Your future is in Gliwice

The main seat of the Silesian University of Technology is located in Gliwice, a charming 800 years old city and important scientific, research and design centre in Poland. Gliwice has nearly 200,000 inhabitants and thanks to SUT it is the second (apart from Warsaw), agglomeration of technical intelligence. During the last 20 years Gliwice has transformed from a city based on the heavy industry into a leader in new technologies. On the other hand, Gliwice is also well known for its cultural life.

Many festivals, concerts, exhibition and other art activities take place in the town. Numerous famous Polish artists and other interesting people (e.g. Nivea cream inventor) originally come from Gliwice. Results of surveys show that Gliwice is one of the most attractive cities to live in Poland. Definitely it is a unique place, where tradition, multicultural heritage, science and modernity intermingle, creating its one-of-a-kind atmosphere of the attractive place to study and live.



### DID YOU KNOW?

Poland's university traditions are among the oldest in Europe. In 1365 King Casimir The Great established the Cracow Academy. At the moment, our higher education system is developing rapidly and Poland is fourth in Europe (after the United Kingdom, Germany and France) in terms of the number of people studying at university.



### DID YOU KNOW?

The initial plans for location of SUT indicated Katowice as its main seat instead of Gliwice. However, thanks to the space potential and the fact that academic staff of the Lvov Technical University were resettled here after World War II, Gliwice was finally chosen as the headquarters of Silesian University of Technology.

## Best student experience

Studies at the Silesian University of Technology give ample opportunities to broaden your interests. During the academic year the university is vibrant with activities inspired by Student Self Government and lots of student organizations. There are 20 different student organizations and over 100 scientific associations. Moreover, students have at their disposal a choir, a music band, a dance ensemble and a theatre. The SUT is also an ideal place for sport enthusiasts. There are over 20 different sport sections, such as aerobics, karate, judo, badminton, running, mountain cycling, volleyball, basketball, skiing, handball etc.

### DID YOU KNOW?

Silesian University of Technology has its own Student Culture Centre 'Anthill'. It is situated in the former, thoroughly reconstructed student canteen, which was built in the seventies of 20th century, in the close vicinity of dormitories. The Student Government and all existing student organizations are located in this building as well as the well-known student club 'A Spiral'.

## About Silesian University of Technology

The Silesian University of Technology (SUT) is one of the most prestigious and top-ranked technical universities in Poland. It is a modern higher education institution with over 70 years tradition in didactics, research and science. At present SUT educates nearly 25,000 students at all three levels of study: bachelor, master and doctoral, mainly in the fields of engineering, technology and architecture. All these activities are run in modern laboratories and lecture halls by highly qualified university staff consisting of 1800 academic teachers. Eleven faculties are located in Gliwice – the main seat of the University – two in Katowice and two in Zabrze.



### What can I study?

The Silesian University of Technology offers academic programmes in all three levels of studies: bachelor, master and doctoral, that are being taught in English and Polish. For checking the admission procedure please visit the website: [www.studyinenglish.polsl.pl](http://www.studyinenglish.polsl.pl)

### Faculties:

Faculty of Applied Mathematics

Faculty of Architecture

Faculty of Automatic Control, Electronics and Computer Science

Faculty of Biomedical Engineering

Faculty of Chemistry

Faculty of Civil Engineering

Faculty of Energy and Environmental Engineering

Faculty of Materials Engineering and Metallurgy

Faculty of Mechanical Engineering

Faculty of Mining and Geology

Faculty of Organization and Management

Faculty of Transport

College of Foreign Languages

College of Education

Institute of Physics – Centre for Science and Education

## STUDY IN ENGLISH FOR FULL DEGREE STUDENTS

### FACULTY OF CIVIL ENGINEERING

Course	Degree	Duration (Semester)
<b>CIVIL ENGINEERING</b> Graduates receive basic education, including theory and practice of designing and erecting all kinds of buildings, including civil and industrial structures, bridges and geotechnical engineering objects. In the initial year, students acquire theoretical knowledge. In subsequent years, study is more practice-oriented, addressing reinforced and pre-stressed concrete, steel, masonry and timber structures as well as geotechnics. During this period, students individually prepare projects on various topics, including civil and industrial structures, geotechnics, roads and bridges. Projects are performed under the supervision of well-experienced staff.	Bachelor	8
<b>CIVIL ENGINEERING</b> Master course extends the bachelor studies in the field of three profiles: Civil and Industrial Structures, Bridges and Geotechnics and Underground Structures. Graduates are prepared mainly for the work at design offices and research centres related to the structures. Real life shows that alumni also find jobs in other branches of civil engineering.	Master	3
<b>CIVIL ENGINEERING</b>	Doctoral	6

### FACULTY OF AUTOMATIC CONTROL, ELECTRONICS AND COMPUTER SCIENCE

Course	Degree	Duration (Semester)
<b>AUTOMATIC CONTROL, ELECTRONICS, TELECOMMUNICATION AND INFORMATICS</b> Graduates acquire skills in using up-to-date tools of engineering, in particular in CAD and automated design, computer measurement systems and skills in accessing information from scientific databases. They are engineers whose interdisciplinary education is founded on three pillars present in the study name, combined with practical experience and specialized knowledge.	Bachelor	7
<b>AUTOMATIC CONTROL, ELECTRONICS, TELECOMMUNICATION AND INFORMATICS</b> The education combines practical experience and specialized knowledge in one of three fields, chosen as leading ones: automatic control, electronics and telecommunication and informatics. Automatic Control graduates are prepared to work as designers and maintenance engineers of automatic control systems and plants, robotics, measurement systems, mechatronics and computer systems of automation. Electronics and Telecommunication graduates are prepared to carry out research and scientific tasks as well as solving engineering problems in electronics and system design, hardware and software telecommunication, measurement, control and medical equipment. Informatics graduates acquire skills in construction, maintenance and usage of system software and applications development, building systems and computer networks and designing as well as administering databases.	Master	3
<b>AUTOMATIC CONTROL AND ROBOTICS</b>	Doctoral	6
<b>ELECTRONICS</b>	Doctoral	6
<b>COMPUTER SCIENCE</b>	Doctoral	6
<b>BIOCYBERNETICS AND BIOMEDICAL ENGINEERING</b>	Doctoral	6

## FACULTY OF CHEMISTRY

Course	Degree	Duration (Semester)
<b>INDUSTRIAL AND ENGINEERING CHEMISTRY</b> The program provides students with broad foundations and specialized knowledge and technical skills in important technological areas of Industrial and Engineering Chemistry. Graduates develop problem-solving and team-working skills to deliver the objectives within constraints imposed by time and available resources. With that, alumni readily adapt to the challenges arising in diverse industrial and business sectors.	Bachelor	7
<b>INDUSTRIAL AND ENGINEERING CHEMISTRY</b> Graduates acquire skills to solve practical problems from the realm of chemical technology, process and chemical materials engineering encountered in most industrial, research and business environment. Due to their high professional qualifications, creativity, openness to new ideas and team-working skills, they are well prepared to tackle the challenges faced by large and small enterprises.	Master	3
<b>CHEMICAL TECHNOLOGY</b>	Doctoral	6
<b>CHEMISTRY</b>	Doctoral	6
<b>CHEMICAL ENGINEERING</b>	Doctoral	6

## FACULTY OF ELECTRICAL ENGINEERING

Course	Degree	Duration (Semester)
<b>ELECTRICAL ENGINEERING</b> Graduates acquire knowledge from the fields of electrical engineering, power engineering, automatics, robotics, analog and digital electronics, exploitation of electric systems and programming languages. They have skills in design, construction and exploitation of power devices and systems as well as safety engineering in various fields of modern industry. They have knowledge on the basics of law for engineers, organization and economics of production and management. This course of study combines modern electrical engineering with selected issues of electronics, automatics, microprocessor technique and computer science when taking into account requirements of economy and management.	Bachelor	7
<b>ELECTRICAL ENGINEERING</b> Graduates of electrical engineering are prepared to carry out studies as well as perform design, engineering and organizational works by themselves. They can work in scientific institutions. Currently they belong to a group of the most sought after and well paid specialists. Jobs in the energy sector and other sectors of industry, in Polish and foreign companies, are waiting for them.	Master	3
<b>ELECTRICAL ENGINEERING</b>	Doctoral	6

## FACULTY OF MECHANICAL ENGINEERING

Course	Degree	Duration (Semester)
<b>AUTOMATION AND ROBOTICS – INTEGRATED MANUFACTURING SYSTEMS (UNDER PATRONAGE OF BALLUFF COMPANY)</b> Graduates are experts in the computer integrated manufacturing, particularly in the design and manufacturing technology, production planning and control, management and development of cooperation between enterprises. They possess good knowledge on the design and operation of automated manufacturing systems. Strong background in programming of technological equipment (robots, NC machines, PLC controllers, microprocessor-based systems), and applications of artificial intelligence makes the graduates sought after employees in numerous branches of the industry.	Master	3
<b>MATERIALS ENGINEERING – MATERIALS SCIENCE INVESTIGATIONS</b> Graduates are prepared to work as specialists in design, manufacturing and distribution of various groups of engineering materials, including nanomaterials. This background make prepared to act as leaders of teams working on production and operation of machinery. They will find jobs in engineering and procurement offices, research institutes, materials and structures testing and inspection units of accreditation and attestation of materials and structures, companies related to the management of production and automation of processes.	Master	3
<b>MATERIALS ENGINEERING – AUTOMATION AND ROBOTISATION OF TECHNOLOGICAL PROCESSES</b> Graduates are prepared to work as specialists in design, manufacturing and distribution of various groups of engineering materials, including nanomaterials. This background allows graduates to become leaders of teams working on production and operation of machinery. They will find jobs in engineering and procurement offices, research institutes, materials and structures testing and inspection units of accreditation and attestation of materials and structures, companies related to the management of production and automation of processes.	Master	3

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### MECHANICS AND MACHINE DESIGN – LIGHTWEIGHT STRUCTURES (UNDER THE PATRONAGE OF SILESIA AVIATION CLUSTER)

Graduates possess knowledge necessary to understand the behaviour, mechanics, stability, designing of materials and structures and also manufacturing and joining lightweight structures. During studies special attention is paid to the aspects of reliability, maintainability and diagnostics of lightweight structures and also questions dealing with energy-efficient driving systems. Particular attention is paid to the practical knowledge and skills developed in collaboration with the aviation and automotive industry.

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### MECHATRONICS – MECHATRONIC SYSTEMS ENGINEERING (UNDER THE PATRONAGE OF IBS POLAND COMPANY)

The curriculum of this major is designed to bring the students to the forefront of the subject by providing them with a practical, real-world experience applicable directly in the industrial environment. The patronage of a leading company in the field of implementation and design of various engineering systems, including computer aided design, modelling and simulation systems makes the education attractive to the students by exposing them to the state of the art equipment and technologies. The graduates have a deep knowledge of current techniques of life cycle analysis, practices and technologies. They are skilled in modelling and simulation. The curriculum encompasses classes aimed at practical application putting also stress on theoretical background relating on both the general theory of systems and system engineering.

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### NANOTECHNOLOGY AND MATERIALS PROCESSING TECHNOLOGIES

Graduates are often employed in companies involved in the production of modern materials for electronics, biotechnology, construction, modern automotive industry or medicine. Research institutes, high-tech small and medium size enterprises, institution of higher education and companies that produce materials for clinical tests in medicine are also seeking for the graduates of this major.

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### MECHANICS AND MACHINE DESIGN

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### MATERIALS ENGINEERING

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### MECHANICS

## FACULTY OF ENERGY AND ENVIRONMENTAL ENGINEERING

Course	Degree	Duration (Semester)
<p><b>POWER ENGINEERING</b></p> <p>Students obtain knowledge within energy generation processes, its utilization and environmental engineering methods which provide to minimize industry and civil effects on environment. Students obtain complete education which allows them to design and use the production processes, dispatch and work with energy management (especially using energy saving methods and renewable sources). Alumni will be prepared to work at the energy companies as well as at some administrative departments of the energy sector.</p>	Bachelor	7
<p><b>BIOTECHNOLOGY – BIOFUELS</b></p> <p>Graduates with a specialty Biofuels are qualified specialists of technology serving the production of components for biofuels. Their skills are associated with the production of electric power and heat based on biofuels as well as with the processing of biofuels. They understand the theoretical principles of the processes of both production and combustion of biofuels. They are well prepared in terms of data processing, electronic control and programming of technological processes in the related industry. The knowledge and skills in the use of plants and micro-organisms can be utilized in the technological processes of production and use of biofuels. In addition, the developed soft skills are apparent in their communication, teamwork, entrepreneurship and self-presentation, much desired on the labor market.</p>	Master	3
<p><b>POWER ENGINEERING - CLEAN FOSSIL AND ALTERNATIVE FUELS ENERGY</b></p> <p>Graduates acquire knowledge with the ability to develop entrepreneurial skills and innovative thinking in clean coal based industry and a renewable energy sector. It focuses on technologies that lead to the efficient thermal and chemical conversion of coal, with reduced pollutant emissions to the air, water and land. In addition, strong emphasis is put on understanding, applying and integrating fossil fuels and renewables to create high-efficiency eco-friendly and sustainable power systems.</p>	Master	3
<p><b>POWER ENGINEERING – COMPUTER AIDED ENERGY ENGINEERING</b></p>	Master	3

<b>MECHANICS AND MACHINE DESIGN</b>	Doctoral	6
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<b>ENVIRONMENTAL ENGINEERING</b>	Doctoral	6
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<b>POWER ENGINEERING</b>	Doctoral	6
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## FACULTY OF MATERIALS ENGINEERING AND METALLURGY

<b>MATERIALS ENGINEERING</b>	Doctoral	6
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<b>METALLURGY</b>	Doctoral	6
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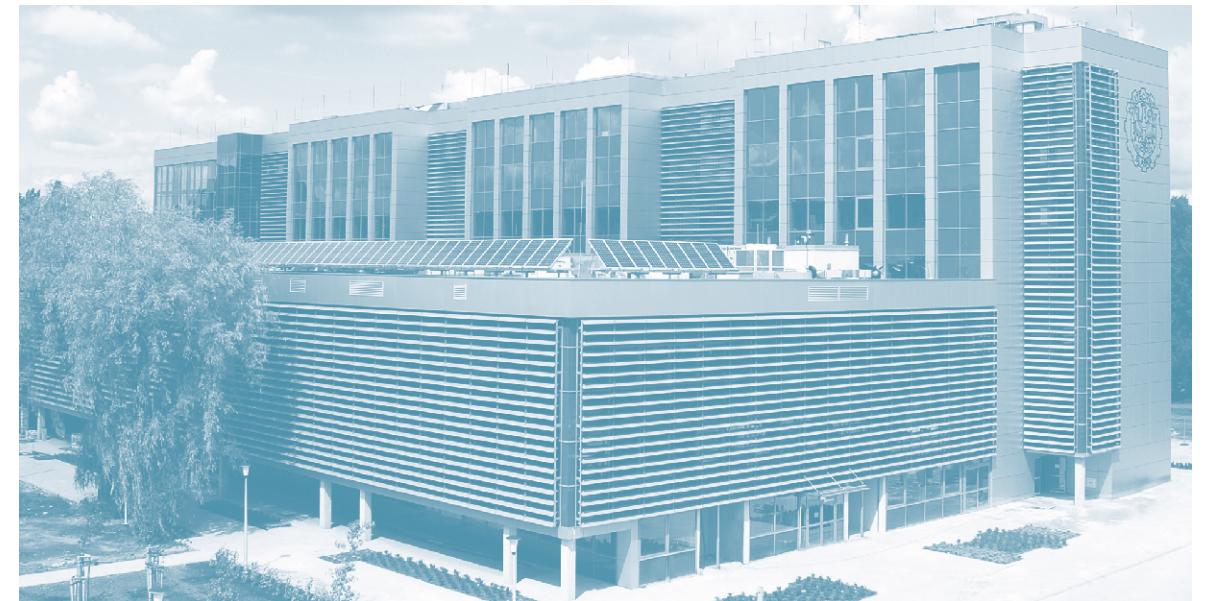
## FACULTY OF MINING AND GEOLOGY

<b>MINING AND GEOLOGY</b>	Doctoral	6
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## FACULTY OF ORGANIZATION AND MANAGEMENT

<b>PRODUCTION ENGINEERING</b>	Doctoral	6
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<b>MANAGEMENT</b>	Doctoral	6
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## Study in English for exchange and free mover students

International exchange and free mover students can choose from a wide range of courses offered in English in almost every field of study available at the Silesian University of Technology. To check the current offer and admission procedure please visit the website: [www.mobility.polsl.pl](http://www.mobility.polsl.pl)

## English language preparatory courses

Students, who wish to study at the Silesian University of Technology should proof their language proficiency at least at level B1 for Bachelor and B2 for Master. For those who do not hold any proof of the English language proficiency (FCE, IELTS, TOEFL, etc.) or do not speak English on the appropriate level, the University conducts English introductory courses. The Foreign Language Teaching Centre will help you reach the English proficiency level you need to enter the programme at the Silesian University of Technology. The centre offers small class sizes and flexible course options. For more information visit the website: [www.studyinenglish.polsl.pl](http://www.studyinenglish.polsl.pl)

## Tuition fees

Studying in English is free of charge for the students coming from the European Union and European Free Trade Association countries. Similarly, tuition fee may be waived for the international students coming to study at SUT on the basis of a cooperation/exchange agreement (other than ERASMUS+) between SUT and the student's home university. All other students need to pay tuition. If in doubts, please check your status at the Admission Office by sending a question at [study@polsl.pl](mailto:study@polsl.pl)  
Application fee (UE/EFTA countries): 85 PLN  
Other countries: 200 euros



## TUTION FEES PER YEAR (2 SEMESTERS)

Faculty	Course	Degree	Fee
FACULTY OF AUTOMATIC CONTROL, ELECTRONICS AND COMPUTER SCIENCE	Automatic Control, Electronics, Telecommunication and Informatics	Bachelor Master	2000 euros
	Automatic Control and Robotics	Doctoral	3000 euros
	Electronics		
	Computer Science		
	Biocybernetics and Biomedical Engineering		
FACULTY OF CHEMISTRY	Industrial and Engineering Chemistry	Bachelor Master	2500 euros
	Chemical Technology	Doctoral	3000 euros
	Chemistry		
	Chemical Engineering		
FACULTY OF ELECTRICAL ENGINEERING	Electrical Engineering	Bachelor Master	2000 euros
	Electrical Engineering	Doctoral	3000 euros
FACULTY OF ENERGY AND ENVIRONMENTAL ENGINEERING	Biotechnology – Biofuels	Master	2000 euros
	Clean Fossil and Alternative Fuels Energy	Master	2000 euros
	Mechanics and Machine Design	Doctoral	3000 euros
	Environmental Engineering		
	Power Engineering		

FACULTY OF MECHANICAL ENGINEERING	Mechanics and Machine Design	Doctoral	3000 euros
	Materials Engineering		
	Mechanics		
FACULTY OF MATERIALS ENGINEERING AND METALLURGY	Materials Engineering	Doctoral	3000 euros
	Metallurgy		
FACULTY OF MINING AND GEOLOGY	Mining and Geology	Doctoral	3000 euros
FACULTY OF ORGANIZATION AND MANAGEMENT	Production Engineering	Doctoral	3000 euros
	Management		
FACULTY OF CIVIL ENGINEERING	Civil Engineering	Bachelor	3000 euros
		Master	4000 euros
		Doctoral	4000 euros

**FURTHER INFORMATION AND CONTACTS**

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 Tel. (0048)32 237 2875

EXCHANGE STUDENTS:  
[www.mobility.polsl.pl](http://www.mobility.polsl.pl)  
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See you soon!

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