Accreditation with honours in the Mechanics and Mechanical Engineering branch of science

- Automatics and Robotics
- Applied Computer Science with Computer Materials Science
- Materials Engineering
- Mechanics and Machine Design
- Mechatronics
- Nanotechnology and Materials Processing Technologies
- Management and Production Engineering
The Faculty of Mechanics and three other faculties were established along with the Silesian University of Technology with the decree dated 24th May 1945.

The first inauguration of the academic year of the Silesian University of Technology, in Gliwice, was held on 29th October 1945, in the only University’s didactic building, belonging currently to the Faculty of Chemical Engineering. 2750 students of the 1st year commenced their studies. The University consisted of four faculties, located in this building, in which nearly 200 scientific and didactic staff members were working.

The primary professorial staff in 1945 formed the Polish pre-war Lviv Polytechnic professors. Outstanding professors, continuing the great tradition of pre-war Lviv Polytechnic, have always been one of the strongest assets of the Silesian University of Technology.

On 7 May 1966 The Faculty of Mechanic was renamed to The Faculty of Mechanical-Engineering, and in 1969 to The Faculty of Mechanical Engineering, by this name it is called until today.
Faculty Authorities

Dean of the Faculty
Prof. Arkadiusz Mężyk, Dsc, Phd, Eng

Vice Dean for Organisation and Development
Assoc. Prof. Anna Timofiejczuk, Dsc, PhD, Eng

Vice Dean for Research and Cooperation with Industry
Assoc. Prof. Piotr Fedeliński, Dsc, PhD, Eng

Vice Dean for Didactics
Assoc. Prof. Waldemar Kwaśny, Dsc, PhD, Eng

Vice Dean for International Cooperation
Assoc. Prof. Wojciech Sitek, Dsc, PhD, Eng

Faculty Structure - Internal Units

- Institute of Engineering Materials and Biomaterials
  - Division of Materials Processing Technology, Management, and Computer Techniques in Materials Science
  - Division of Nanocrystalline and Functional Materials, and Sustainable Pro-ecological Technologies
  - Division of Metals and Polymers Processing
  - Division on Constructional and Special Purpose Materials Engineering
  - Division of Biomedical Materials Engineering

- Institute of Engineering Processes Automation and Integrated Manufacturing Systems
  - Division of Automation and Robotisation of Technological Processes
  - Division of Mechatronics and Design of Technical Systems
  - Division of Design, Management and Manufacturing

- Department of Theoretical and Applied Mechanics

- Institute of Mechanics and Computational Engineering
  - Division of Computational Mechanics and Applied Computer Science
  - Division of Thermal and Biomedical Engineering

- Department of Welding

- Institute of Fundamentals of Machinery Design
  - Division of Lightweight Structures
  - Division of Diagnostics and Exploitation

- Department of Machine Technology

- Department of Foundry Engineering
Three-level system of studies is carried out as studies with the general academic profile:
• 1st level (Engineering) for candidates with the certificate of matriculation,
• 2nd level (Master of Science) for candidates with the professional degree of Engineer in the particular branch of science or any related branches,
• 3rd level (PhD student) for the most talented graduates of the 2nd level studies.

FULL-TIME STUDIES of the 1st and 2nd levels are offered in the following fields:
• Automation and Robotics
• Applied Computer Science with Computer Materials Science
• Materials Engineering
• Mechanics and Machine Design
• Mechatronics
• Nanotechnology and Materials Processing Technologies
• Management and Production Engineering

PART-TIME STUDIES (extramural) of the 1st and 2nd levels are offered in the following fields:
• Automation and Robotics
• Applied Computer Science with Computer Materials Science
• Materials Engineering
• Mechanics and Machine Design
• Mechatronics
• Nanotechnology and Materials Processing Technologies
• Management and Production Engineering

The part-time studies are carried out in the Friday-Saturday-Sunday meetings mode. Classes are carried out during eight on-campus sessions, studies at the 1st level last 7 semesters, and at the 2nd level - 3 semesters.
Students of the Faculty of Mechanical Engineering acquire knowledge during classes often assisted with the interactive visualisations of the virtual reality that can be presented thanks to the state-of-the-art 3D technologies.

Spatial, dynamic and interactive teaching aids for most technical subjects in the fields of study offered at the Faculty of Mechanical Engineering, allow for the interesting, fast and extremely effective learning.

With the interactive 3D models, the participants of classes can easily see how devices and even entire production lines operate. Virtual Reality allows an expedition into the interior of the device and the observation of how it works, look at the structure of materials and changes taking place, for example, under the influence of load or temperature.

The 3D technology increases attractiveness of technical studies, through innovative forms of education, among others in the area of mechanics, biomechanics, strength of materials, theory of machines and mechanisms, fundamentals of machine design, design of robots and automation equipment, mechanical engineering, machines and mechatronic devices, logistics in manufacturing systems, automated manufacturing systems, design and use of simple tools, production management and production, dynamics of machines and mechatronic devices, forming the structure and properties of metallic and non-metallic materials, microscopic examinations of structural materials, multiscale modelling and nanomechanics, machining, drive systems, computer-aided design and manufacturing, methods of technical diagnostics, exploitation and diagnostics of a complex object.

A classroom for 300 students is offered to students, equipped with the 3D projection system. In addition, each institute and department of the Faculty of Mechanical Engineering has the mobile equipment, making 3D presentations possible anytime and anywhere. These are the systems containing the active stereoscopic projectors, laptops, and 3D glasses.
Graduates have skills that are necessary for creative work in the field of analysis, design, and construction of automation circuits and systems, control, and industrial robotics systems software and services. They are prepared for solving the complex, interdisciplinary problems from the area of automation and robotics in the industry. They can develop their own simple software applications for programmable logic controllers, computer networks and industrial networks, and design automation and control systems.

Graduates of the automation and robotics are ready for work in many industry branches and in the scientific research institutes, as well as in the research and development centres. They find jobs in the industry as engineers in automation and decision-making area. The graduates are also qualified for heading teams in the industrial and design units.

Specialisations at the 2nd level of studies:
- Integrated Manufacturing Systems - specialization under patronage of Balluff company (in English)
  Graduates are experts in the computer integrated manufacturing, particularly in the design and manufacturing technology, production planning and control, management and cooperation between enterprises, and in the knowledge of the design and operation of automated manufacturing systems, programming of technological equipment (robots, NC machines, PLC controllers, microprocessor - based systems), and applications of artificial intelligence.

- Advanced control systems for machines and processes - specialization under patronage of Bernecker & Rainer Industrie-Electronic company (in Polish)
  - Automation and robotisation of casting processes (in Polish)
  - Automation and robotisation of metals processing (in Polish)
  - Automation and robotisation of welding processes (in Polish)
  - Biomechanics and medical equipment (in Polish)
  - Computer modelling of systems and processes (in Polish)
Graduates obtain advanced knowledge from the area of computer science and IT systems, design of the contemporary computers and devices working with them, operating systems, computer networks, databases, software engineering, artificial intelligence, computer graphics, human-machine communication, multimedia techniques, and computer materials science. They also have advanced knowledge from the area of physics, chemistry, materials science, materials design, and selection of engineering materials for applications in various products, manufacturing engineering, materials engineering, machine design, and also technology of manufacturing, processing, and recycling of engineering materials, methods of forming and investigating their structure and properties, and from the area of industrial management, human resource management in various industry branches, administration, and science.

Graduates obtain skills in using knowledge from the area of production engineering, materials engineering, machine design, computer science, and management. They are prepared for creative activity and cooperation with specialists in the area of design, manufacturing, processing, and application of engineering materials.

They know the investigation methods, and also have skills in computer programming and development and use of the specialistic computer software.

Teaching profiles at the 1st level of studies:
- Computer assistance of materials processes (in Polish)
- Materials design (in Polish)

Specialisations at the 2nd level of studies:
- Computer assistance of materials processes management (in Polish)
- Modelling of engineering materials (in Polish)
- Modelling in materials processing technologies (in Polish)
- IT techniques in materials engineering (in Polish)
Graduates of this branch of studies are prepared for innovative activities connected with design, and manufacturing of various material groups: metal, ceramic, polymer, and composite ones, including the biomedical and dental ones, as well as for the design and manufacturing of elements of machines and devices, and of the nanostructural systems.

Graduates find jobs in the small, medium and big companies in many industry branches, among others, in the automotive, aviation, machine tool, electronic, metallurgical, ceramic, plastics, nanostructural, bioengineering - and household appliances industries.

Graduates of the materials engineering branch of studies will find their jobs also in the advisory-, design-, planning-, design- and engineering units, and those connected with production planning and automation of technological processes, commissioning of products and materials, and also in the accreditation and attestation units, enterprises in the market of machinery, devices, nanostructural systems, engineering materials, and apparatus for their investigation and processing. They are also prepared for work in other enterprises, administrative and educational units, requiring engineering and computer science knowledge.

**Teaching profiles at the 1st level of studies:**
- Automation and robotisation (in Polish)
- Dental engineering (in Polish)
- Surface engineering (in Polish)
- Management engineering (in Polish)

**Specialisations at the 2nd level of studies:**
- Automation and robotisation of technological processes (in English)
- Materials science examinations (in English)

Graduates of two above enumerated specialisations are prepared to work as specialists in activities related to the design, manufacture and distribution of various groups of engineering materials, including nanomaterials. They are prepared to the work in companies associated with the production and operation of machinery, design offices and scientific research institutes, units of accreditation and attestation of materials and structures, companies related to the management of production and automation of processes.

- Photovoltaics (in Polish)
- Materials and technologies in dental prosthetics (in Polish)
Graduates have knowledge from the area of design methods, engineering computations, materials processing technologies, investigation methods and IT techniques assisting design, manufacturing and maintenance of machines. Graduates can use knowledge from the area of mechanics, strength of materials and materials selection using the contemporary computational tools, and also management of the design process. They also have the fundamental knowledge from the area of the pro-ecological technologies and integrated environment management systems. The knowledge acquired during the studies is supported by the industrial practice. Studies at the mechanics and machine design branch of studies are conducted with the significant contribution of the industry. Graduates of the mechanics and machine design branch of study find jobs in companies dealing with design, manufacturing, and exploitation of machinery, e.g., in design offices, and also connected with production planning and automation of technological processes. They can also work in the scientific and research and consulting units, and enterprises, administrative and educational units, requiring the engineering and computer science knowledge.

**Specialisations at the 2nd level of studies:**
- Lightweight structures: specialisation under patronage of the Silesian Aviation Cluster (in English)
- Computer assisted machine design and operation (in Polish)
- Computer assisted engineering of metal materials (in Polish)
- Computational mechanics (in Polish)
- Machine tools and machine engineering (in Polish)
- Casting technologies (in Polish)
- Design, automation and robotisation of technological processes (in Polish)
- Design of drive systems for mining machinery and special purpose vehicles - specialisation under patronage of Rosomak S.A. company (in Polish)
- Processing of metals and plastics (in Polish)
- Casting technologies (in Polish)
- Quality management and computer assistance in materials processing (in Polish)

*Accreditation with honours for the Mechanics and Mechanical Engineering branch of science*
Graduates have knowledge from the area of mechanics, electronics and industrial sensorics, and also computer science, and theory of control - required for design and integration of the specialist devices used in machines and vehicles, and in the diagnostic and measurement apparatuses. They can design, integrate, manufacture, and maintain various kinds of machines and equipment.

Graduates from the mechatronics branch of study find jobs in the industry manufacturing mechatronic systems, among others in the electromechanical, automotive, household appliances, aviation, and machine tools ones. They can work in the scientific and research institutions and the research and development centres, service and diagnostic stations, health care facilities, at exploitation of medical equipment and diagnostic apparatuses. They are also prepared for creative activity in the range of design, manufacturing and exploitation of machines and manufacturing systems, management and development of production in the industrial enterprises, and also management of technological processes.

Specialisations at the 2nd level of studies:
- Mechatronic systems engineering: specialisation under patronage of IBS Poland company (in English)

The program of the specialisation is designed to accelerate the development of systems engineers by providing practical, real-world experience that can be immediately applied to the job. The specialisation is conducted under the patronage of a leading company in the implementation and design of various engineering systems, especially computer aided design, modelling and simulation systems. Students learn various aspects of a systems life cycle using state-of-the-art principles, practices and technologies, especially by using the modelling and simulation paradigms. During the studies take part in classes devoted to practical application and theoretical backgrounds based on the general systems theory and the systems engineering.

- Drive applications - specialisation under patronage of SEW-EURODRIVE Polska company (in Polish)
- Mechatronic casting systems (in Polish)
- Mechatronic manufacturing systems (in Polish)
- Mechatronic wheels and suspensions, and drive systems (in Polish)
- Modelling and simulation of mechatronic systems (in Polish)
- Design and operation of IT systems (in Polish)
- Design of mechatronic mobile systems - specialisation under patronage of Wielton company (in Polish)
Graduates have the fundamental knowledge from the area of physics, chemistry, materials engineering, design of structure and properties of engineering materials for applications in various products, and also their manufacturing technologies. They acquire also the interdisciplinary knowledge connected with nanotechnology, particularly with the phenomena and processes in nanoscale, nanostructures, nanomaterials, including nanocomposites and nanostructural materials, devices in nanoscale, used investigation methods, processes and devices used for production of nanomaterials and possibility of its use in the priority branches of World, Europe, and Polish economy.

Thanks to the possessed scientific potential, graduates of the nanotechnology and materials processing technologies branch of study feature the relevant cadre for work in the technologically advanced industrial enterprises, in nearly all emerging sectors of the state-of-the-art technologies, connected, among others with electronics, optoelectronics, optics, photonics, medicine and pharmacy, environmental protection, automotive industry, aviation-, space-, machine-, textile and clothing, cosmetics, agricultural and food industries.

Moreover, they can find jobs in other enterprises, administrative and educational units, requiring specialist engineering knowledge and establish their independent economic activity connected with design and manufacturing of the competitive in the world scale products, using their knowledge from the nanotechnology area of science.

**Teaching profiles at the 1st level of studies:**
- Materials science examinations (in Polish)
- Nanotechnology (in Polish)

**Specialisations at the 2nd level of studies:**
- Investigation of nano-structural materials (in English)
- Materials processing technologies (in English)

Graduates of both enumerated specifications are mostly employed in companies involved in the production of modern materials for electronics, biotechnology, construction, modern automotive industry or medicine, in companies that organize study materials for the medical market (clinical trials), in research institutes, small and medium-sized enterprises and in secondary and higher education.

- Testing of nano-structural materials (in Polish)
- Dental engineering (in Polish)
- Engineering of nanostructural layers and coatings (in Polish)
Graduates have knowledge from the area of production engineering and organisation and management of enterprise, production, cadres, environment, and quality. They have skills in the design of new processes and production systems, and also objects and management systems. They can also choose and train staff, carry out analysis and assessment of the results achieved, quality control, and also manage costs and projects. They also know problems of marketing, logistics, distribution, management of capital and material investments.

Graduates are, first of all, prepared for managing human teams in the area of production engineering and teams in the educational administration, self-government one, state administration, or banking. They find jobs in small, medium, and big enterprises, engaged in production in the selected range, in design and advisory units, enterprise and administrative units in which engineering knowledge is required as well as economics, computer science, and organisational skills.

**Specialisations at the 2nd level of studies:**
- Production organisation (in Polish)
- Quality and industrial safety (in Polish)
PhD Studies

Studies of the 3rd level (PhD studies)
- carried out as the individual full-time studies, make it possible to acquire professional qualifications and independent scientific activity to the most talented graduates of the 2nd level studies. PhD studies are offered in branches of science in which Board of the Faculty of Mechanical Engineering has the power to confer scientific degrees:
  • Machines Design and Exploitation
  • Materials Engineering
  • Mechanics

PhD studies last up to 4 years. They are carried out according to the individual curriculum adopted by the Board of Faculty upon proposal of the academic supervisor of the applicant for the studies.

Participant of the PhD studies is required to pass examinations in 15 subjects, of which three are the doctoral examinations before the Examining Board appointed by the Board of Faculty, including:
  • main scientific discipline,
  • modern foreign language,
  • additional scientific discipline.

Participants of the full-time PhD studies are awarded a scholarship for the duration of the study. Persons receiving the scholarship, awarded by the University, are required to self-perform 90 hours of classes during the academic year, to take part in academic life and to participate in carrying out scientific research. Study participants also held research fellowships abroad.

A positive result of the interview is the condition for admission to PhD studies. It is essential that the candidate had high grades from the Master studies and showed a predisposition for scientific work. The condition for admission to PhD studies on an individual basis is also a request of the candidate, supported by the proposed academic supervisor with the attached draft study plan.

Implementation of a doctorate can also be effected without PhD studies in accordance with the Act on scientific degrees and academic title. In this case, passing is required (before defending a dissertation), of three doctoral examinations before the appointed committees: an examination of main discipline, examination of additional discipline and language.
The Faculty also offers postgraduate studies for persons with the professional titles of Engineer (inżynier), Master of Science (magister), or Master of Science, Eng. (magister inżynier).

- Welding technologies and quality control
- Computer assistance of design of hydraulic and pneumatic machines and drives with control
- Automation and robotisation of technological processes,
- Mechatronics and control of technological processes
- Methods of maintenance and diagnostics of the new constructional materials.

Graduates of the postgraduate studies obtain the “Certificate of Completion of Postgraduate Studies”.

Faculty of Mechanical Engineering in recent years also conducts the following training courses:

- Internal Auditor according to ISO 9001:2008 standard
- Properties and processing of polymers
- Thermographic inspection methods for lightweight structures

Graduates of training courses receive a certificate of completion.
Faculty of Mechanical Engineering conducts extensive educational and scientific cooperation with over 150 universities on all continents.

The Faculty, since many years, participates in the most important European research programs: Research Fund for Coal and Steel, Harmony, and educational ones, like: ERASMUS+ (previously Socrates ERASMUS, LLP-ERASMUS), Erasmus „Be-Mundus“ (exchange with Brazil), Erasmus „Caribu“ (exchange with countries of Central Africa, Caribbean and Pacific), Leonardo da Vinci, TEMPUS, CEEPUS, COPER-NICUS, EUREKA, DAAD - The German Academic Exchange Service. Students of the levels 1, 2, and 3 go yearly for semester long, or longer studies to nearly all countries of Europe, including to Great Britain (Cranfield University) and Germany (TU Bergakademie Freiberg) to obtain the double degree.

The Faculty has concluded the long term agreements for cooperation and exchange of staff with many centres abroad, among others, with the Universities in Aalen, Athens, Béthune, Bologna, Braga, Brasilia, Bratislava, Brno, Barcelona, Brussels, Bucharest, Burgos, Campinas, Chemnitz, Cluj-Napoca, Compiègne, Cottbus, Covilha, Cranfield, Daegu, Debrecen, Denizli, Dresden, Dublin, Dunaujvaros, Faro, Freiberg, Gifu, Grenoble, Helsinki, Hongkong, Horsens, Košice, Liberec, Linz, Lisbon, Ljubljana, Lviv, Madrid, Maribor, Milan, Miskolc, Montpellier, Naples, Odense, Oslo, Ostrava, Oviedo, Oxford, Patra, Plzen, Porto, Prague, Rijeka, Ruse, Riga, Sakarya, Sao Paulo, Selangor, Singapore, Sofia, Stockholm, Daejeon, Tallin, Turin, Vilnius, Windsor, Zagreb, Žilina. Every year, the number of the research and teaching partners of the Faculty in Europe and the world increases.
Cooperation with industry

Faculty of Mechanical Engineering for many years keeps on intensively developing cooperation with many companies, active in the field of industrial automation and robotics, machine building, and manufacturing engineering, as well as with industry research centres. Implemented is unique in the country program of cooperation and inclusion of industry in the implementation of the educational process. This is one of the factors stimulating the development of laboratory and teaching base of the Faculty. These activities allow students access to the latest technologies and equipment used in industrial production, including the largest companies in the world, and the faculty offers the possibility of practical verification of theoretical knowledge and conduct interesting research. Currently seven specialisations for 2nd level studies are carried out in cooperation with and under the patronage of leading domestic and international companies in the field of advanced technology. This number increases each year.

Within the framework of this activity, the Faculty offers cooperation in scientific research and teaching in the following fields:

- automation and robotisation of technological processes,
- biomechanics and biomechatronics,
- biomedical engineering,
- materials engineering,
- computer aided design, construction, and manufacturing of machines,
- mechanics and machine design,
- mechatronics,
- numerical calculations of complex technical systems,
- material removal processing,
- processing of plastics,
- mobile robotics,
- casting technologies,
- welding technologies,
- applications of artificial intelligence,
- integrated management and manufacturing.

The collaboration with the industry, to date, includes among others:

- organisation of internships and production practices for students,
- carrying out of joint projects in the framework of semester projects and diplomas,
- carrying out of joint scientific research,
- participation of economic operators in equipping teaching and research laboratories of the Faculty,
- transfer of modern technology, from science to industrial sphere,
- organization of postgraduate studies for people wanting to improve their professional qualifications,
- provide expertises and research in scientific laboratories.

An important outcome of this cooperation is, among others, very good influence on education provided by the Faculty. Thanks to this cooperation the graduates are very well prepared for work in the modern industry, and thus, they easily find attractive jobs and they have opportunities for rapid career advancement.
Admission procedure step-by-step

1. Go to the website www.studyinenglish.polsl.pl where you will find all necessary information regarding study in English.
2. Choose programme of Mechanical Engineering you are interested in and check all the entry requirements.
3. Fill in your application form and attach all necessary documents and send them by post to the Admission Office or electronic versions to study@polsl.pl. Application form and other requirements are available at www.studyinenglish.polsl.pl
4. Your application will be assessed by Silesian University of Technology (SUT). If your application is successful, you will receive an offer letter and information booklet.
5. To accept our offer you must send the confirmation of tuition fee payment to SUT with your Acceptance of Offer Form (AOF)
6. Final Acceptance Letter will allow you to apply for student visa in your home country (if applicable) at Polish embassy.
7. Make sure that you have valid insurance policy that cover your stay at SUT. You will be asked to submit its copy upon your arrival.
MuSHELLka with the grant from the Prime Minister of the Republic of Poland

In the years 2012, 2013, 2014 Smart Power team of the Faculty of Mechanical Engineering students annually took part in the biggest world competition of the fuel-efficient vehicles - Shell Eco-marathon. The students designed and built MuSHELLka car, participating in the prototype vehicles class, and Bytel car in the urban vehicles class. Both vehicles are the current Polish record holders in their classes. MuSHELLka is the most fuel-efficient vehicle Polish vehicle, with the result of 487.3 km / kWh, covering 100 km for less than 2.5 Eurocents. Achievements of the Smart Power project (www.mkm.polsl.pl), in which students of our Faculty participate, were awarded with the prestigious grant from the Ministry of Science and Higher Education - Generation of the Future.

Grant was given to a group of students from the Smart Power project and its scientific supervisor by Prime Minister Donald Tusk. Grant is intended for the design and scientific research of a new car in the Urban-type vehicle category. Smart Power design students of the Faculty of Mechanical Engineering were also nominated for Brand Silesia in 2013 in the category of science. In addition to the nominees for this award, scientific giants, like the Silesian University of Technology Centre of Polymer and Carbon Materials of the Polish Academy of Sciences, a team of students Smart Power Project will proudly represent Silesian Region logo and brand name - “Silesian. Positive energy”. Students participating in the project were repeatedly awarded in many prestigious competitions, among others, FIAT award. Results of research conducted within the Smart Power project have been published in more than 30 scientific publications, including scientific journals indexed on Web of Science.

Silesian GreenPower - technological symbol of Silesia

Advanced aerodynamic research of the car, real-time computer, thermal calculations of the engine, engine performance testing on the professional dynamometer, battery testing, detailed car CAD model ... This is not a description of the work in the automotive business, it is all done with students of the Silesian Technical University and is a prelude to the prestigious achievements in the international arena.

Silesian Greenpower team consisting of about twenty students is engaged in the design and implementation of light electric vehicles competing at the professional tracks of Formula 1 in the UK. Students of the Faculty of Mechanical Engineering, and Faculty of Automation, Electronics and Computer Science once again took part in competitions designed for corporations of universities - The Silverline Corporate Challenge, from which they come back with success every year. The rules are simple: ride as many laps at a certain time at a controlled energy consumption rate. Each car is equipped with the same electric motor and a pair of 12V batteries, wins the team that reduces
motion resistance of the vehicle to the minimum. In 2014 years the Silesian Greenpower presented two improved bolides from the last years - Polonez (2012) and Shark (2013), and one brand new vehicle resembling a missile - SG2014 Bullet.

The competition ended with great success, the team took up two spots on the podium (silver and bronze) and was awarded The Best Engineered Car 2014 from Siemens. Students from Silesia team defeated such potentates, like Jaguar, Lockheed Martin, and Prodrive. The fastest Silesian Greenpower bolide made 16 laps in 1h 5’ 33” with an average speed of 56.6 km / h.

In 2014 Silesian Greenpower project also won the competition for the technological symbol of Silesia and received the “Generation Future” grant from the Ministry of Science and Higher Education. Promotion of Polish scientists abroad and promoting the idea of green energy is a task that the team carries out in parallel with their design activity. New success are primarily a stimulus for students for the further activity, as they already are working on a new concept bolide.

**Sports facilities**

The Silesian University of Technology has well-equipped sports facilities, for the use by students of all faculties, including students of the Faculty of Mechanical Engineering. University sports facilities include: a sports hall for an audience of 1,000 seats, a new sports hall for an audience of 500 seats, 3 gyms, judo hall, basketball hall, ice rink “Tafla”, 3 saunas, solarium, 8 tennis courts, 3 beach volleyball courts, 2 basketball courts, and a massage room.
Student Clubs and Organisations

ME Faculty Day
In 2014, we revived the tradition of celebrating the Day of the Faculty of Mechanical Engineering. The anniversary of the establishing of the Faculty was celebrated in a ceremonially meeting with graduates and subsequent picnic, and topped with concerts of student bands. Everyone interested could visit the laboratories of the Faculty. There were also competitions and sports events, the biggest interest was paid to the honorary volleyball game The University teachers against students.

Golden Chalk Competition
Students’ Autonomy Board organizes a competition for the best lecturer under the name of Golden Chalk (“Złota Kreda”). Students have the opportunity to vote for academic teachers whom they value most as educators. The winners receive a special statuette from the hands of students, which is a special honor for the dedicated teachers.

Night of the Researchers
Faculty of Mechanical Engineering actively participates in the Night of the Researchers since its inception. Employees and students of the Faculty prepare amazing attractions for children and adults in the form of demonstrations of physical phenomena, robots and machines. Every year, the event involves several hundred people. Particularly important are children as the guests of the Faculty for whom Night of the Researchers is an opportunity to get to know the fascinating world of science.

Faculty Events
Students’ Autonomy Board organizes every year a series of events dedicated to students of the Faculty. In carnival, the Ball of Mechanics is held, at which several hundred people have fun until wee hours. Hiking Trip of Mechanics has become a tradition already, held in the spring or autumn in the form of trips to the mountains being ended with a party. Every year there are also solemn the first-year students initiation ceremonies in which they have a chance to integrate, getting to know older colleagues and participate in numerous contests with prizes.
“Igry” (students’ festival)
Students of the Faculty of Mechanical Engineering are actively involved in student festival - “Igry”. During the several days long celebrations, students are symbolically handed power in the city. Concerts, film screenings, tournaments of games and amusements take place during “Igry”. Students and faculty not only participate in their festival - but also actively co-create it as “Igry” Assistants.

Association of Alumni of the Silesian University of Technology, Division of the Faculty of Mechanical Engineering
At the Faculty of Mechanical Engineering, a division of the Association of Alumni of the Silesian University of Technology is active. The Faculty has developed a web page for its graduates and organises their regular meetings. After graduation, each graduate is welcome at the Faculty. For us, it is the tradition that is of utmost importance, and it is created most of all by our alumni.

Faculty Open Days
Every year we invite young people from secondary schools for the “Open Days of the Faculty of Mechanical Engineering”. In these magical days, all laboratories of the Faculty are open and demonstrations are conducted showing typical classes for students, so one can see the extensive laboratory facilities and try to feel a student himself or herself.
After graduation, you have the opportunity to work in your profession in the best industrial plants in Poland and the world. Branches of studies at our faculty are tailored to the needs of the labour market (as a student you have the opportunity to have apprenticeship or work-experience placement in industry and research centres; a large number of diploma projects is carried out in cooperation with industry, as a student, you can choose a specialisation that fits your studies expectations, interests and actual needs of the labour market). The Faculty of Mechanical Engineering concluded a cooperation agreement with 50+ industrial centres.

If you want to develop your skills and additional interests you can participate in the activities of students’ scientific societies at the Faculty and participate in competitions, workshops, and students’ academic conferences.

Currently, there are 38 students’ scientific societies at the Faculty, competitions with prizes are organized (e.g., competition for the development of a “mechanical” Christmas tree), there are 7 student scientific conferences organised each year, during which students present work carried out by their scientific societies and individually; selected papers are published in scientific journals; students also participate in other conferences and Polish and foreign workshops.

“Rzeczpospolita” - “Renowned universities forge CEOs of large companies” (01/13/2014) Silesian University of Technology came in the third place among universities teaching management staff of the country. According to the report of “Rzeczpospolita” up to 8.05% of heads of the largest Polish enterprises graduated from University in Gliwice. Thus, the Silesian University of Technology once again in a row was on the podium taking the high third place.
If you wish, you can go abroad during any semester within the ERASMUS (during the stay abroad you can study, earning the second degree in engineering and a master’s degree or carry out your diploma project in cooperation with the foreign centre).

Classes are run in laboratories equipped with the state-of-the-art equipment, and also, as only a few in the world, we run classes using the innovative 3D methods. Our emphasis is on teaching practical skills (as a student will have unlimited access to laboratories and laboratory and workshops, where under the guidance of the qualified staff you will be able to pursue your interests and carry out your diploma project).

The ME Faculty has the very well equipped laboratories, and 3 workshops in which students can complete their projects; access to laboratories with a special card allows the use of laboratories at convenient times for students. Currently, the ME Faculty has teaching aids made in 3D technology for all subjects taught at the faculty. This allows to explain the phenomena and functioning of various mechanisms in a way that was previously impossible.
1. Rector's Office
2. Education and Conference Centre
3. Faculty of Mechanical Engineering
4. Centre for Advanced Material Technologies, Machining, Mechatronics, Robotics
5. Main Library
6. Student House „Solaris”
7. Student Canteen
8. Sports Hall
9. Ice Rink
10. Guesthouse „Sezam”
11. Technopark
12. Centre of New Technology
13. Student Culture Centre MROWISKO

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