CONTENTS

Ι.	WELCOME	2
	Welcome	2
	Mission	3
	History	3
	University Now	5
	WUT in figures	5
	Internationalisation of WUT	6
II.	STUDIES IN ENGLISH	8
	Faculty of Architecture	8
	Faculty of Automotive and Construction Machinery Engineering	10
	Faculty of Chemistry	12
	Faculty of Civil Engineering	14
	Faculty of Electronics and Information Technology	16
	Faculty of Electrical Engineering	20
	Faculty of Environmental Engineering	22
	Faculty of Management	24
	Faculty of Mathematics and Information Science	26
	Faculty of Mechatronics	28
	Faculty of Power and Aeronautical Engineering	30
	Faculty of Production Engineering	34
	Preparatory Courses of English language	36
III.	BUSINESS SCHOOL	38
IV.	ERASMUS MUNDUS	42
V.	STUDIES IN POLISH	48
VI.	STUDENT LIFE	50
VII.	HOW TO APPLY	52

It is our great pleasure to welcome you to the Warsaw University of Technology (WUT) – a technical research university with traditions in education dating back to the 19th century. It is a forwardthinking institution where high-quality education meets world-class research and innovation.

Our priorities are multi-layered study programmes supported by an advanced scientific research. Modern study programmes and an extensive range of scientific and research works, including partnerships with many universities, research institutions and high-tech industries, make our graduates thoroughly prepared for the global labour market. In response to market demands, we offer an exciting range of professional and technological programmes which prepare students for their future careers. WUT authorities and the entire academic staff do their best to acquaint the students with up-to-date knowledge and skills that are useful in today's world.

WUT offers programmes at B.Sc., M.Sc. and Ph.D. levels in every field of technology – ranging from civil engineering and architecture to optoelectronics, materials, nanotechnology, biotechnology and biomedical technology. We also provide complementation to technical studies and offer programmes in economics, social



sciences, management, administration and business.

Our primary aims are to educate responsible professionals, committed to the values of civic life, and to contribute to the development of research and innovation, which are the driving forces of progress in the society of the 21st century.

We are pleased and proud that many international students from all parts of the world come to study at our university. Likewise, WUT students also study abroad for long or short periods of time. Our university participates actively in various European educational programmes: TEMPUS, LLP Erasmus, Erasmus Mundus, Leonardo da Vinci, Athens and many others. It is our ambition to become a serious partner in creating the European Higher Educational Area. Thus, we place great weight on strengthening international knowledge exchange and stimulating understanding, tolerance and respect for different ideas and cultures.

Mission

Owing to its evolving technological infrastructure, expertise, good reputation and success of many of its graduates, Warsaw University of Technology contributes significantly to the development of appropriate solutions to urgent problems arising in the country and the rest of Europe. The mission of Warsaw University of Technology always remains the same: the knowledge and skills imparted to its students and the scientific studies it conducts, must always serve Man and Mankind.



History

Warsaw University of Technology is the oldest and the most prestigious technical university in Poland. Its origins date back to the 18th century, when schools for purposes of military technology or mining were created.

In 1826, the first Polish multidisciplinary university of technology-the Preparatory School for the Institute of Technology was opened.

The School was closed in 1831, after the November Insurrection, and was re-opened as the Emperor Nicolas II University of Technology in 1898, with Russian as the language of instruction. On the day of opening, the university consisted of three faculties: Faculty of Mathematics, Faculty of Chemistry and Faculty of Engineering and Construction. In June 1902, Faculty of Mining was opened. When the World War I broke out in 1914, Russians evacuated the Institute to Rostov and then to Lover Novogrod, taking away all the equipment.

In 1915, Warsaw was occupied by the Germans, who gained popularity among Polish people, as they allowed for the opening of a technical university in Warsaw with Polish as the language of instruction. The grand opening of Warsaw University of Technology was held on 15th November 1915. Classes



started at four faculties. These were the faculties of Architecture, Chemistry, Civil and Agricultural Engineering, Machine Design and Electrotechnology.

At that moment, an uninterrupted period of development of the University began. Even the World War II, when the University was delegalized and its buildings were destroyed, did not stop its activity. Teaching was continued in forms of clandestine and open courses. Scientific research was also conducted, and 20 Ph.D. and 14 D.Sc. theses were written. Many works by WUT academics contributed to the reconstruction of Poland after the war, and constituted the foundation for the development of science in the future.

After the war, classes started in improvised conditions in January 1945, and by the end of the year all the remaining faculties were re-opened. Old, demolished buildings were rebuilt quickly and the new ones erected. University was expanding - faculties were opened as a result of growing number of academic disciplines and students.

Over all these years, the university has been a leading scientific centre, educating highly qualified staff for all sectors of industry, realizing outstanding research goals and playing a significant role in the Polish science and economy.

University Now

Warsaw University of Technology is a state school with full academic autonomy. It is the best Polish university of technology, which is proved not only in numerous rankings, but also by scientific and didactic achievements. The activity of the university focuses on three main goals: education, scientific research and transfer of technology.

Nowadays, Warsaw University of Technology consists of 20 Faculties, which educate in almost all fields of engineering, and an International Business School. Other important units of Warsaw University of Technology are:

- Centre for Advanced Studies
- Research Centre for Energy & Environmental Engineering
- Research Centre for Functional Materials
- Centre for Distance Learning
- Foreign Language Centre

- Centre for Physical Education & Sports
- Centre for International Cooperation.

For the purpose of teaching and research, WUT owns 38 buildings located in two campuses in Warsaw and one in Plock, 320 laboratories as well as other buildings (dormitories, technical infrastructure, sports centres, medical care facilities, etc.). There is also Main Library with a vast collection of books, e-books, journals and access to other libraries in Warsaw.

Warsaw University of Technology offers education at 3 levels (B.Sc., M.Sc., Ph.D.), in accordance with the Bologna Process. The academic staff of WUT are high class professors, scientists and researchers. Students choosing to study at the Warsaw University of Technology receive the opportunity to acquire full competence in the most important fields of engineering.

WUT in figures:

- 20 Faculties
- International Business School
- 47 fields of study
- 36 000 students
- 1 000 Ph.D. students
- 2600 academic staff
- 2200 staff in administration, libraries,

- central institutions and workshops
- 4000 scientific publications
- 500 publications in Philadelphia list journals

University Now

Internationalisation of WUT

The international activity of Warsaw University of Technology is organised and supported by the Centre for International Cooperation. Its task is to enhance the academic and scientific cooperation of the university with HEIs and industrial partners from all over the world, as well as to promote and facilitate the process of internationalization of WUT in accordance with the EU standards.

Warsaw University of Technology is vividly responding to changes in education, research, internationalisation and organisation, and through the understanding of the realities of today's world – increase in global population and growing tendencies to enhance society's prosperity, WUT continuously uses its best endeavours to make its mark in the technological development worldwide.

The university puts special emphasis on its students' and workers' participation in international exchange programmes and internships to make the university open doors to global labour market.

WUT's acclaimed reputation worldwide is proved by over 120 international academic and research cooperation agreements with universities, research centres and high-tech industries from 50 countries all around the world.

WUT offers a broad range of international and European exchange programmes for students, teaching staff and researchers, such as: LLP Erasmus, Erasmus Mundus, Leonardo da Vinci, etc.

WUT also holds over **30** active bilateral agreements concentrated on student exchange with HEIs from all over the world, including universities in North America, Asia and the Far East. In addition, our students can take part in summer exchange programmes organized by various faculties, in cooperation with other universities of technology.

WUT is also involved in scientific cooperation with foreign universities or research and high-tech industries. The flagship example of such cooperation is the Cooperation Platform of CEE Metropolitan Universities of Technology – a joint initiative of WUT, Berlin Institute of Technology and the National Technical University of Ukraine. This project has already resulted in the incorporation of 11 leading universities from Central and Eastern Europe.

Warsaw University of Technology focuses strongly on the university – industry cooperation. The main aim is to share knowledge, experience, good practices and entrepreneurial skills in the dissemination and transfer of technologies. We plan to create and consolidate a regional network of technology transfer with main companies in Poland. There are also several other industrysponsored initiatives and projects associated with the biggest companies, such as:

Siemens AG (Germany); PKN Orlen SA (Poland); BASF (Germany); General Electric (USA); ABB Ltd (Switzerland); Carl Zeiss (Germany); Autodesk (USA); Cummins Filtration (USA); FIAT (Italy & Poland); Telekomunikacja Polska S.A. (Poland); France Telecom (France).



FACULTY OF ARCHITECTURE

Faculty of Architecture offers the following programme conducted in English: Master of Science in Engineering

2-year graduate programme in the area of:

• Architecture for Society of Knowledge (ASK)

Architecture for Society of Knowledge is a new professional programme focused on the digital design and crucial aspects of architecture and urban planning. Part of the programme is remotely delivered over the Internet and requires a limited, one-semester residency period during its main part. It can be completed in 18 months and ends with a Master of Architecture degree in the field of architecture and urban planning. Students can investigate contemporary design practices as well as media and digital technologies applied in the design and construction of the 21st century city. Full EU tuition scholarships are available for the initial group of competitively admitted international students.

ASK is dedicated to those who wish to extend their practical understanding of contemporary architecture and urban planning. The programme covers

Sample modules/Keywords:

Architecture and Urban Planning, Architecture for Society of Knowledge, Computer Aided Design, Computer-Aided Manufacturing, Computer-Aided Engineering, Robotics, Information Processes in Architecture, Algorithmic Architecture, Digital Tectonics, Architectural Heritage Preservation, digital media in design, prototyping with computer controlled machines, distributed design collaboration, and agendas for sustainable, intelligent building. At the same time, it acquaints with basics of architecture: cultural heritage, history and theory paradigms, social aspects of space creation, and education through interacting space.

ASK aims to equip young practicing architects with the formative experience required in:

- active participation in the global architectural knowledge society, and critical interpretation of the creative aspects of design and design collaboration.
- collaborative and interdisciplinary practice of architecture.
- architectural research exploring new design technology and theory.

Design Studio Teamwork, Virtual Design Studio, Rapid Prototyping, Knowledge Management, Critical Theory of Architecture, Participation in Planning, Generative Architecture, Virtual Reality, Space Composition Formalisation, Interactive Design, Building Information Management, Digital Fabrication.



Where to get more information: Faculty of Architecture Warsaw University of Technology

Koszykowa St. 55 00-659 Warsaw, Poland www.arch.pw.edu.pl

FACULTY OF AUTOMOTIVE AND CONSTRUCTION MACHIMERY ENGINEERING

Faculty of Automotive and Construction Machinery Engineering offers the following programme conducted in English:

Bachelor of Science in Engineering

3,5-year undergraduate programme in the area of:

Electric and Hybrid Vehicles Engineering

Objectives:

This field of study is dedicated to those who want to become engineers and be able to meet the challenges of modern designing, operating and servicing of state-of-the-art recently emerged electro-mechanical vehicles, which have been winning the modern ecologically conscious automotive market. The programme provides students with multidisciplinary knowledge in complex technical far-transportation structures with systems of energy recuperation and

Sample Modules/Keywords

Calculus, Physics, Mechanics, Chemistry, Structural Materials, Manufacturing Technology, Electrical and Electronic Technology, Computer Techniques, Image Processing, Strength of Materials, Mechanical Vibration, Finite Element Method, Automatics, Diagnostics, Mechatronics, Vehicles and Drive accumulation.

Analysis of fundamental physical and chemical processes, selection of nonconventional materials and control methods are taught in classes and laboratories. A novel approach to realization of the educational offer gives the graduate vital skills in the engineering of ecologically friendly electric and multisource hybrid automobiles, including special and autonomic vehicles.

Systems, Drivetrain Power Electronics, Energy Accumulation in Vehicles, Hybrid Drives, CVT Transmissions, Smart Structures, Batteries, Ionics and Photovoltaics, Magnetic Materials, Ultra-Light Structures, Fuel Cells, Environmental Protection, Vehicle Recycling.



Where to get more information: Faculty of Automotive and Construction Machinery Engineering Warsaw University of Technology Narbutta St. 84 02-524 Warszawa www.simr.pw.edu.pl

Warsaw University of Technology

FACULTY OF CHEMISTRY

Faculty of Chemistry offers the following programme conducted in English: Master of Science in Engineering

1,5-year graduate programme in the area of:

Applied Biotechnology

The programme contains wide range specialist subjects (modelling of of bioprocesses, regulation of biotechnological processes, separation processes in biotechnology, laboratory of technological and biotechnological processes, biotechnology of natural resources, etc.), which, together with bioanalytical and selective subjects (bioanalytics, sensors and biosensors, microbioanalytics) constitute а comprehensive offer for all graduates

interested in the field of biotechnology.

Programme is focused on education of specialists and preparing them for working in various biotechnological branches of industry (e.g. pharmaceutical, food or composting industry). Our alumni will obtain knowledge and competences needed to carry out scientific research in biotechnology laboratories or to work at planning or consulting companies.



Where to get more information: Faculty of Chemistry Warsaw University of Technology Al. Armii Ludowej 16 00-637 Warsaw, Poland www.ch.pw.edu.pl

Warsaw University of Technology

FACULTY OF CIVIL ENGINEERING

Faculty of Civil Engineering offers the following programmes conducted in English: Bachelor of Science in Engineering

4-year undergraduate programme in the area of:

Civil Engineering Structures (CES)

The programme focuses on structural design of various types of engineering as well as industrial buildings and structures. CES curriculum includes the design of metal, concrete, wood and masonry

structures. It also covers the repairing and rebuilding of buildings and structures, computer-aided design, construction works, typical project management and architectural design of simple buildings.

Master of Science in Engineering

1,5-year graduate programme in the area of:

Civil Engineering Structures

3-semester programme and preparation of the final M.Sc. thesis under the guidance of the Faculty supervisor allows the students to acquire comprehensive knowledge and qualifications in the area of civil engineering.



Where to get more information: Faculty of Civil Engineering Warsaw University of Technology Al. Armii Ludowej 16 00-637 Warsaw, Poland www.il.pw.edu.pl

Warsaw University of Technology

FACULITY OF ELECTRONICS AND INFORMATION TECHNOLOGY

Faculty of Electronics and Information Technology offers the following programmes conducted in English:

Bachelor of Science in Engineering

4-year undergraduate programme in the area of:

Electrical and Computer Engineering

The area of study encompasses information technology, control and robotics, electronics and telecommunications. The programme covers a great variety of subjects from diverse technology fields. All students attend the same courses during the first and second year, and then choose their own specialisation.

Two specialisations are currently offered:

- Computer Systems and Networks (CSN)
- Telecommunications (TCM)

Computer Systems and Networks (CSN) Objectives:

Graduates from Computer Systems and Networks (CSN) specialisation are prepared for jobs related to the design of new computer systems and operation of existing ones. They have excellent qualifications in the area of computer science basics, including basic knowledge of information processing, as well as the area of algorithms and system modelling and various aspects of computer engineering and applications. They are acquainted with the methodologies of object programming, CASE-toolsaided design, system analysis, system modelling and prototyping. They have knowledge of modern operation systems, programming languages, databases and various software applications. Graduates are self-reliant in the design, implementation and operation of complex computer systems and networks.

Telecommunications (TCM) *Objectives:*

Graduates from the Telecommunications specialisation are prepared for jobs related to the design of digital telecommunication circuits, to digital processing of telecommunication signals (coding and compression of speech and image signals, digital modulations, redundant coding), design and operation of telecommunication (transmission,

commutation and data-communication) systems, as well as design of telecommunications (telephone, data-communication and integrated networks). Graduates acquire the ability to solve system problems that require comprehensive knowledge in the areas of telecommunications and computer science, combined with considerable non-engineering knowledge. They are prepared for the jobs offered by the operators of telecommunication and data-communication systems, as well as jobs related to the operation of modern telecommunication equipment and systems offered by other companies.

Master of Science in Engineering

2-year graduate programme in the area of:

Electrical and Computer Engineering

The programme requires coursework in one specialisation and writing a thesis.

Students choose their specialisation at the beginning of studies.

Two specialisations are currently offered:

- Computer Systems and Networks (CSN);
- Telecommunications (TCM).

Each student works with a supervisor from the faculty. The professor helps the student plan an academic programme

Computer Systems and Networks (CSN) *Objectives:*

Graduates from the Computer Systems and Networks specialisation will have comprehensive qualifications in the area of computer science basics, including basic knowledge of information processing, as well as the area of algorithms and system modelling. They are proficient in computer programming and skilful in using computer tools. They are self-reliant in scheduling, implementing and verifying complex of coursework consistent with the degree requirements and the student's educational objectives. The advisor also supervises the research and the thesis. The thesis is based on a research project that partly involves the original material.

computer projects. Their knowledge allows for quick adaptation to the rapidly changing environment. Depending on the final profiling, graduates are wellprepared for the research work, for the design, implementation and operation of computer systems and digital equipment, the software development and the administration of computer systems and networks as well as the implementation of security systems.

Telecommunications (TCM) *Objectives:*

Graduates from the Telecommunications specialisation will have the knowledge and skills necessary for the design, implementation and operation of telecommunication circuits, equipment and systems based on modern technologies. They study, in particular, the methods and techniques for transmission of information by means of radio waves using the potential of digital techniques, computers and other advanced technologies, as well as the methods of image and sound processing. The qualifications of graduates include skills necessary to solve problems system which require comprehensive knowledge in the areas of telecommunications and computer science, combined with some nonengineering knowledge. Depending the final profiling, graduates on are well-prepared for the research work or designing and operation of telecommunication and datacommunication equipment and systems, as well as designing of multimedia systems and their Internet applications.



Where to get more information: **Faculty of Electronics and Information Technology** Warsaw University of Technology Nowowiejska St. 15/19, 00-665 Warsaw, Poland **www.elka.pw.edu.pl**

Warsaw University of Technology

FACULTY OF ELECTRICAL ENGINEERING

Faculty of Electrical Engineering offers the following programmes conducted in English:

Bachelor of Science in Engineering

4-year undergraduate programme in the area of:

Electrical Engineering

The area of study encompasses electrical materials technology, electrical measurements, circuits and systems, electromagnetic field, electrical machines, electrical power engineering, converter drives control, high voltage technology and IT. The programme embraces a great variety of subjects corresponding to diverse subject areas.

Two specialisations are currently offered:

- Control and Computer Engineering
- Electrical Power Engineering

Objectives:

Graduates from Electrical Engineering programme will find work in both, domestic and international design offices, research and scientific institutions, universities, factories (supervision and production management in the field of electrical equipment and devices), power plants and electrical networks.

Master of Science in Engineering

1,5-year graduate programme in the area of:

Electrical Engineering

The programme requires coursework and writing a thesis.

Objectives:

Graduates from this programme will have the comprehensive qualifications and basic knowledge in the area of: power system (planning, optimization and control), electrical power quality, electromagnetic compatibility, electromechanical drive systems, electrical traction, measurement systems (hardware and software), intelligent electrical installations and IT (artificial intelligence in power engineering, computational methods and algorithms, microprocessor engineering).

Depending on the final profiling, graduates will be well-prepared to

work in domestic and international design offices, research and scientific institutions, universities, factories (supervision and production management in the field of electrical equipment and devices), power plants and electrical networks.

Sample modules/Keywords:

Mathematics, Physics, Computer Science, Electromagnetic Fields, Electrical Materials Technology, CAD Methods, Rudiments of Circuits and Systems Control, Electrical Machines, Electrical Power Engineering, High Voltage Technology, Electrical Measurements, Microprocessor Engineering, Converter Drives Control, Electrical Traction, Modelling and Simulation of Dynamic Systems, Power Supply, Electrical Safety, Computer Networks, Computer Graphics, Intelligent Control for Energy Conversion, Database Management.

Where to get more information: Faculty of Electrical Engineering Warsaw University of Technology Main Building Pl. Politechniki 1 00-661 Warsaw, Poland www.ee.pw.edu.pl

FACULTY OF ENVIRONMENTAL ENGINEERING

Faculty of Environmental Engineering offers the following programme conducted in English:

Bachelor of Science in Engineering

3.5-year undergraduate programme in the area of:

Environmental Engineering

Objectives:

Environmental Engineering programme prepares students to work in enterprises, administration, planning and design offices or consulting companies.

The first three semesters of the programme provide students with basic knowledge of mathematics, physics, chemistry and biology at the university level. In addition, several engineering basic courses are offered to give students comprehensive understanding of environmental issues.

Sample modules/Keywords:

ES (Work Environment Protection, Basics of Law and Economics, Economics and Law in Environmental Engineering), Mathematics, Physics, Chemistry, Biology and Ecology, Information Technology, Environment Protection, Descriptive Geometry and Engineering Graphics, Strength of Materials and Mechanics of Constructions, Material Engineering, Surveying, Informatics, Thermodynamics, Hydrology, Civil Fluid Mechanics, and Constructions, Engineering GIS, Environmental Statistics in Sciences, Meteorology, Soil Protection, Engineering Hydrology and Hydrogeology, Environmental Chemistry,

The scientific and engineering courses are complemented by social sciences and humanities subjects to broaden the study perspectives as well as prepare students for professional interaction with people. The next three semesters cover specific topics within the field of environmental engineering. The seventh semester is devoted mostly to working on the final project and preparation of the B.Sc. thesis, in which students use their knowledge to analyse and find a proper solution to a given problem.

Environmental Biology, Air Pollution Control, Meteorological Measurements and Remote Sensing, Solid Waste Management, Energy Systems and Environment, CAD of Heating and Water Supply Systems, Integrated Water Resource Management, Air Pollution Dispersion Modelling, Renewable Energy Systems, Water Resources Protection, Municipal and Industrial Waste Water Treatment, Environmental Impact Assessment, Field Work.

Master of Science in Engineering

2-year graduate programme in the area of:

Environment Protection Engineering

Objectives:

Environment Protection Engineering graduate programme prepares students to work in enterprises, administration, planning and design offices or consulting companies.

The scientific and engineering courses are complemented by social sciences and humanities subjects to broaden the study perspectives as well as prepare students

Sample modules/Keywords:

HES (Work Environment Protection, Basics of Law and Economics, Economics and Law in Environmental Engineering), Mathematics, Physics, Chemistry, Biology and Ecology, Information Technology, Environment Protection, Descriptive Geometry and Engineering Graphics, Strength of Materials and Mechanics of Constructions, Material Engineering, Surveying, Informatics, Thermodynamics, Hydrology, Fluid Mechanics, Civil and Engineering Constructions. GIS, Statistics in Environmental Sciences, Meteorology, Soil

for professional interaction with people. The first three semesters cover specific topics within the field of environmental engineering. The last semester is devoted mostly to working on the final project and preparation of the M.Sc. thesis in which students use their knowledge to analyse and find a proper solution to a given problem.

Protection, Engineering Hydrology and Hydrogeology, Environmental Chemistry, Environmental Biology, Air Pollution Control, Meteorological Measurements and Remote Sensing, Solid Waste Management, Energy Systems and Environment, CAD of Heating and Water Supply Systems, Integrated Water Resource Management, Air Pollution Dispersion Modelling, Renewable Energy Systems, Water Resources Protection, Municipal and Industrial Waste Water Treatment. Environmental Impact Assessment, Field Work,

Where to get more information:

Faculty of Environmental Engineering

Warsaw University of Technology, Building of the Environmental Engineering Nowowiejska St. 20 00-653 Warsaw, Poland www.is.pw.edu.pl

FACULTY OF MANAGEMENT

Faculty of Management offers the following programme conducted in English: Master of Arts in Management

2-year graduate programme in the area of:

Management of Sustainable Enterprise (MSE)

Objectives:

MSE is a graduate full-time programme conducted by the Faculty of Management. The programme is designed to promote financial responsibility, ecological sustainability and social integrity in businesses and organizations of all types. Students graduate with practical multinational management skills and experience, and are prepared to effectively innovate, communicate and lead in order to fulfil global challenges. MSE is a programme designed to become a bridge between Eastern and Western management ideas and practice. MSE curriculum integrates management of financial, human, and natural capital. The collaborative, project-oriented approach integrates the development of entrepreneurial skills with critical creative thinking and fostering of leadership capacities.

Sample Modules/Keywords:

Economy, Finance, Management, Operations and Marketing, Legal Frames of Entrepreneurship, Local Regional and Global Aspects of Entrepreneurship, Creativity, Social and Ethical Aspects of Entrepreneurship, Entrepreneurship in High-tech Environment, Multicultural Business Environment, Advanced Information Technologies.



Where to get more information: Faculty of Management Warsaw University of Technology Narbutta St. 85 02-524 Warsaw, Poland www.wz.pw.edu.pl

Warsaw University of Technology

FACULTY OF MATHEMATICS AND INFORMATION SCIENCE

Faculty of Mathematics and Information Science offers the following programmes conducted in English:

Bachelor of Science in Engineering

3.5-year undergraduate programme in the area of:

Computer Science

Objectives:

For the first three semesters, the programme covers the basics of mathematics, which allows for the effective learning of computer science and programming techniques in the next semesters. In this period, students receive basic information on calculus, linear algebra and geometry, discrete mathematics, logics, numerical methods and principles of electronics. Additionally, during the first semesters, introduction to structural and object-oriented programming, algorithms and data

Sample modules/Keywords:

Introduction to Modern Mathematics. Programming (C, C++, Java, C# and other), Physics, Discrete Mathematics, Algorithms and Data Structures, Internet Programming, Probability, Numerical Methods. Operating Systems, Mathematical Foundation of Engineering, Databases, Automata Theory and Languages, Computer

structures as well as operating systems are offered. Until the fourth semester, classes are joint for all students. From the fifth semester students have the opportunity to choose elective courses according to their interests. The electives cover both, theoretical and practical aspects of computer science and offer extension as well as more thorough understanding of the subject. The last, seventh semester is mainly devoted to team project and thesis writing.

Statistics, Computer Networks, Software Engineering, Artificial Intelligence Fundamentals, Computer Graphics, UNIX Programming, Social Issues in Computing, Parallel and Distributed Programming, NET Programming, Introduction to TCP/IP Networks, Oracle Database Administration.

Master of Science in Engineering

1.5-year graduate programme in the areas of:

- Artificial Intelligence
- Computing in Business and Economics
- Computing in Science and Engineering

The course consists of 1400 hours of instruction, with approximately 510 hours of lectures, 270 hours of tutorials and 330 hours of laboratory and project work.

there are general lectures on modern databases, basics of A.I., Windows programming, operating systems, computer network administration as well as several courses related to the area of specialisation.

In each of the above specialisations,

Objectives:

Graduate programme covers modern mathematics and tackles the latest trends in computer science. Studying is mostly individual. Each student must choose a scientific advisor from among the faculty teaching and research staff according to their scientific interests. Last semester is

Sample modules/Keywords:

Advanced Calculus, Nonlinear Systems and Graphics Applications, Advanced Algorithms, Data Compression, Software Testing, Image and Speech Recognition, Programming in Logic and Symbolic Programming, Approximation and Interpolation, Advanced Numerical devoted to the defence of the M.Sc. thesis, which is usually highly related to the ongoing faculty research. The best students have the opportunity to continue their education, extend knowledge and focus on scientific research at Ph.D. studies.

Methods, Method of Finite Element, High Performance Computing, Neural Networks, Knowledge Representation and Reasoning, Advanced Simulation Methods in Engineering, Component Programming with J2EE.

Where to get more information: Faculty of Mathematics and Information Science Warsaw University of Technology Main Building Pl. Politechniki 1 00-661 Warsaw, Poland www.mini.pw.edu.pl

FACULTY OF MECHATRONICS

Faculty of Mechatronics offers the following programmes conducted in English:

Bachelor of Science in Engineering

The 3.5-year undergraduate programme in the area of:

• Photonics Engineering

Objectives:

The objectives of the programme are to create the solid fundamental engineering knowledge during the first year of study, then acquaint the students with the issues devoted to the subject of the study. The graduates are prepared for work in the industry and SMEs as well as for solving engineering problems. They can also support services based on optomechatronics equipment in the fields of multimedia, medicine, lighting, metrology and others. At first, the aforementioned abilities should be proved by the diploma thesis where a given problem must be solved and the students' work must be documented and explained.

Sample modules/Keywords:

Mathematics, Physics, Mechanics, Metrology, Material Engineering and Computer Techniques, Engineering Graphics, Foreign Language and Nontechnical Subject (mostly Economics), Fundamentals of Electronics and Electrotechniques, Strength of Material, Design of Fine Mechanism (CAD) and Optomechatronics, Basics of Photonics, Instrumental Optics, Optoelectronics Technology and Image Processing, Laser Techniques, Machine Vision, Fibre Optics Technology (Telecommunications and Sensors), Photonics Devices and Systems, Lighting Technology.

Master of Science in Engineering

- 1.5-year graduate programme in the area of:
- Optics for Science and Technology (OPSCITECH), Erasmus
 Mundus programme

Optics for Science and Technology (OPSCITECH) is a European Erasmus Mundus master's degree programme providing comprehensive and multidisciplinary coverage of the field of Optics from upstream scientific aspects to engineering and applications in major sectors of economy. The consortium conducting the programme is

composed of six institutions: Institut d'Optique and Universite Paris-Sud11 (France), Imperial College London (United Kingdom), Delft University of Technology (the Netherlands), Friedrich Schiller University Jena (Germany) and Warsaw University of Technology (Poland).

More information is available at: <u>http://www.master-optics.eu/.</u>



Where to get more information: Faculty of Mechatronics Warsaw University of Technology Św. Andrzeja Boboli St. 8 02-525 Warsaw, Poland www.mchtr.pw.edu.pl

FACULTY OF POWER AND AERONAUTICAL ENGINEERING

Faculty of Power and Aeronautical Engineering offers the following programmes conducted in English:

Bachelor of Science in Engineering

3.5-year undergraduate courses are offered in the following areas:

- Aerospace Engineering
- Power Engineering

Objectives:

Objectives of the programmes are to create solid fundamental engineering knowledge during the first year of studies, then acquaint the students

Aerospace Engineering

Graduates from Aerospace Engineering demonstrate expertise which helps them meet the requirements of modern aerospace industry, airlines and other industries applying novel technologies. They are also prepared to respond to the needs of scientific institutions for the research, design, development

Sample modules/Keywords:

Mathematics, Physics, Mechanics and Computer Science, Electrotechnics, Foreign Language and Non-technical Subjects (mostly Economics), Fundamentals of Mechanical Design, Control Engineering and with the topics related to the subject of studies. The graduates are prepared for jobs in industry and solving engineering problems.

and maintenance of aircrafts and spacecrafts. They are knowledgeable in mechanics and thermodynamics, including combustion processes, materials and manufacturing technology particularly used in aerospace industry, in basic electronics and information sciences including CAD.

Foreign Language, Aeronautics and Astronautics, Aeronautical Systems, Mechanics of Flight, Materials for Aerospace Technologies, Propulsion Systems and Rotorcrafts.

Power Engineering

Graduates from Power Engineering programme receive thorough education in the area of thermal engineering, electrical power engineering, information technologies, and economics. This programme provides them with knowledge and skills that are important for sustainable development, ecological production, transmission, and distribution of electricity. Students are prepared for creative work within the area of design, commissioning, and operation of power systems, as well as energy production, conversion,

transmission and distribution.

Sample modules/Keywords:

Mathematics, Physics, Mechanics and Computer Science, Electrotechnics, Foreign Language and Non-technical Subject (mostly Economics), Fundamentals of Mechanical Design, Control Engineering and Foreign Language, Thermodynamics, Mechanics of Fluids, Theory of Heat Machines, Theory of Flow and Electric Machines, Methods for Heat Transfer, Fundamentals of Combustion Processes and Fuels, Energy Sources and Methods for Energy Transfer.

Master of Science in Engineering

1.5-year and 2-year graduate courses are offered in the area of:

- Aerospace Engineering
- Power Engineering
- Nuclear Power Engineering

Objectives:

All programmes educate students in the advanced theory and engineering methods. Students study recent achievements in relevant fields of studies as well as methods and tools that prepare them for management positions in industry or research. The last semester of the programme is devoted to solving a research problem. The problem statement and solution are included in the M.Sc. thesis.

Aerospace Engineering

Objectives:

Graduates from Aerospace Engineering have knowledge which allows for scientific research and design, optimisation, modernisation as well as maintenance of flying vehicles. Graduates are wellprepared for jobs in aviation engine design offices, research laboratories, maintenance centres and for dealing with all types of internal combustion engines (automobile, railway and power plant engines). They can also continue their studies at Ph.D. programmes.

Warsaw University of Technology

Power Engineering

Objectives:

Graduates from Power Engineering are prepared for creative work and research within the field of processes control in power industry and related industries as well as energy conversion processes in power machines and equipment. They can also perform the modernisation of machines, implement new technologies, establish and manage small enterprises. Graduates are prepared to undertake Ph.D. studies in power engineering and other related fields.

Nuclear Power Engineering

Objectives:

Graduates from Nuclear Power Engineering (2-year programme) are well prepared in the field of general mathematics, thermodynamics, mechanics of solids, mechanics of fluids, environment protection, thermal engineering, turbomachinery, conventional and renewable power technologies, and socioeconomics.

Sample modules/Keywords:

Elements of Nuclear Physics, Nuclear Reactor Physics, Contemporary Nuclear Reactor Systems, Nuclear Fuels and Fuel Cycles, Nuclear Instrumentation and Control, NPP Safety, NPP Graduates from this programme can pursue their professional careers in branch companies, in company research and development departments, at universities and academic research centres or in state administration units such as nuclear regulatory body or technical inspection units.

Operation and Maintenance, Geniv Nuclear Reactor Systems, Thermonuclear Synthesis, Nuclear Energy and International Security, Modelling and Simulation.



Where to get more information: Faculty of Power and Aeronautical Engineering Warsaw University of Technology New Aeronautical Building Niepodległości Ave. 222 00-663 Warsaw, Poland www.meil.pw.edu.pl

Warsaw University of Technology

FACULTY OF PRODUCTION ENGINEERING

Faculty of Production Engineering offers the following programme conducted in English:

Master of Science in Engineering

2-year graduate programme in the area of:

Global Production Engineering and Management

The idea of the programme is based on an extensive research done among top managers in industrial multinational enterprises and internationally operating SMEs. The results of the research indicated a growing demand for graduates with integrated knowledge of production engineering and production management, supported by the ability to operate within multinational teams and within the global business environment.

The programme is conducted jointly with Technical University of Milan (Politecnico di Milano), and Department of Production Engineering & Management (Dipartimento di Ingegneria Industriale).

Objectives:

The programme is intended to provide advanced knowledge and skills to candidates planning to start their professional carriers in global industrial companies. Two particular groups of future professionals are targeted:

 Specialists for international industrial corporations working:

- as production and logistics managers
- u as process engineers in engineering departments
- u in maintenance departments.
- Top level staff (including owners) of small and medium industrial enterprises.

Different specialisations can be obtained by taking up electives:

 branch of industry (e.g. for automobile sector, white goods, fashion, aviation etc.) maintenance specialists, logistics managers etc.)

- technical (e.g. for automated production)
- functional (e.g. for production managers,

The programme is taught by academics with wide corporate experience.

Sample modules/Keywords:

International Business, Trade and Economics, Global Operations Strategy

and Logistics, Industrial Technologies, Techniques of Industrial Engineering,

Information & Communication Technology and CAx, Design and Analysis of Manufacturing Systems, Quality Engineering & Management, Innovation, Technology & Product Life-cycle Management, International Accounting & Finance for Production Engineers, International Industrial Marketing, Modelling of Production Systems and Supply Chains, Modelling of Materials Processing, Operations and Production Management.



Where to get more information: Faculty of Production Engineering Warsaw University of Technology Narbutta St. 85 02-524 Warsaw, Poland www.wip.pw.edu.pl

PREPARATORY COURSES OF ENGLISH LANGUAGE

Foreign Language Centre of Warsaw University of Technology offers 2 types of intensive courses of English language. The courses can be attended by both, candidates who wish to later continue their education at WUT or those who would like to learn English and apply to other universities in Poland or abroad.

1 YEAR PREPARATORY COURSE OF ENGLISH

Course dates: October - June

Course is designed for students who would like to apply to undergraduate and graduate programmes of studies in English in Poland or abroad. The course lasts for 1 year and finishes with Pearsons Test of English (PTE) General exam. Students will receive PTE General certificates which will allow them to apply to studies in English at all universities in Poland and many abroad.

Course details:

- 3 semesters
- 600 hours
- Classes held 5 days a week
- PTE General exam at the end of the course
- Technical Vocabulary
- Preparatory classes in Mathematics

About Pearson Test of English (PTE) General exam:

Pearson Test of English General (PTE General) is designed to reward positive achievement in English language learning. PTE General consists of two parts: a written paper and a spoken test. The written paper tests listening, reading comprehension and writing skills and is graded by external examiners in the UK. The spoken test is assessed by trained

- Participation in open lectures at university departments
- Classes of Polish language and culture
- Social events
- Teachers from Warsaw University of Technology

local examiners at the university.

PTE General (Pearson Test of English General) is an internationally recognized English language assessment programme. With the PTE General certificate, students are able to study at universities all over the world and be offered better employment in the future.

3-MONTH SUMMER COURSE OF ENGLISH

Course dates: July - September

Course is aimed at students who:

- would like to improve their English during the summer
- would like to pass B2 exam in September and apply to undergraduate

and graduate studies

 would like to prepare for 1-year B2 English course

The course lasts for 3 months and finishes with B2 exam in September. Students will receive B2 certificates which will allow them to apply to studies in English at Warsaw University of Technology.

Duration of course:

- 3 months
- 250 hours
- Classes held 5 days a week
- B2 exam at the end of the course
- Teachers from Warsaw University of Technology



Warsaw University of Technology

BUSINESS SCHOOL

WUT Business School was established in 1991, as a result of joint initiative of Warsaw University of Technology and three other internationally-recognised academic institutions: London Business School, HEC School of Management Paris and the Norwegian School of Economics and Business Administration (Bergen). Since then, it has been continually extending and developing its educational offer. The idea underlying the creation of the School was to build a strong centre for managerial education, based on the experience and resources of the four founding institutions. Over the time, the School has launched several programmes which aim at meeting the needs of the developing Polish economy and providing generations of graduates with new challenging career opportunities in both, engineering and management. Development of highlevel managerial education in technical universities is a worldwide phenomenon. On the one hand, the managers need more skills in the area of modern technology, but on the other hand, the engineers need more knowledge of economics and management. WUT Business School integrates all these needs in the offered programmes. The graduates from the School are welleducated and well-equipped to deal with the problems of a modern complex world. They are perfectly able to compete successfully on the big market created by the enlarging European Union.

PROGRAMME OFFER:

IMBA - International MBA

International MBA is a one-year, full-time programme (1000 hours) conducted in English, divided into nine blocks of subjects, Business Projects, including preparatory course in Mathematics and Business English. Lectures are held from Monday to Friday. The programme is designed for young graduates who want to obtain MBA degree. Applicants graduating from master degree studies must have at least 1 year of professional experience prior to the beginning of the programme. Applicants graduating from bachelor degree studies are eligible if they have at least 5 years of documented professional experience and have worked for at least 2 years outside of Poland within this period.

EMBA – Executive MBA

Executive MBA is a two-year, part-time postgraduate programme (752 hours) conducted in English and divided into nine blocks of subjects and Business Projects, including preparatory course in Mathematics and Business English.

Executive MBA is designed to address the needs of professional managers. It aims to enhance their business skills and offers access to the rapidly expanding business network. Teaching is based on intensive lecturing at weekends with follow-up work performed in student's own time. The lectures are held 2 - 3 weekends per month (from Friday to Sunday or on Saturday and Sunday).

EMBA requirements: M.A. or M.Sc. diploma and at least three years of documented professional experience.

Advanced Management Training Programme in Pharmacoeconomics, Pharma Marketing and Law

These postgraduate studies are targeted at graduates with master degree who work or intend to work in the pharmaceutical sector or in the institutions managing and financing healthcare. These are extra-mural studies (one semester - 133 hours) conducted in Polish language. The lectures, workshops and seminars are run by renowned experts and professionals employed in the Office for Registration of Medicinal Products, Medical Services and Biocides or employed by Government Ministries, National Institutions of Health and

Hygiene, legal offices specializing in counselling for the pharmaceutical sector, Polish and international pharmaceutical companies, IT companies and universities. For those who already work in the pharmaceutical sector or in the institutions managing or financing healthcare, this programme offers an ideal opportunity to update their knowledge alongside continuous education, and prepare to deal with different conditions that the competitors in the pharmacological market may impose within the European Union.

Preparatory Course for Diploma in International Financial Reporting (DipIFR) Awarded by ACCA

WUT Business School in cooperation with the British Partner ATC International is the first educational institution in Poland to offer training in International Financial Reporting that prepares to international ACCA's Diploma in International Financial Reporting. It is the ideal IFRS qualification for accounting or finance professionals both, qualified and nonqualified, but having at least 3 years of professional experience as well as for CFO's, Chief Accountants, Management Board members, Auditors, Financial Controllers and individuals who would

like to take the mentioned positions as well as those who prepare the financial records for other companies. Courses comprise 10 full days in total - a 5-day intensive introductory course, followed by a 5-day revision course with a full mock examination. The course syllabus includes most of the International Financial Reporting Standards. Lectures are given by ATC International's expert tutors with broad experience in IFR training. Training materials by ATC International have obtained the exclusive licence of ACCA.

Where to get more information: WUT Business School Koszykowa Str. 79 02-001 Warsaw Tel.: +48 22 625 49 53, +48 22 628 26 34, +48 22 234 70 64 Fax: +48 22 628 42 03 e-mail: office@biznes.edu.pl; www.biznes.edu.pl





Warsaw University of Technology

IV. ERASMUS MUNDUS

ERASMIUS MIUNDUS

Erasmus Mundus programme is a cooperation and mobility programme in the field of higher education which promotes the European Union as the centre of excellence in teaching and learning around the world. It supports European top-quality **master degree programmes** and enhances the visibility and attractiveness of European higher education in the third countries. It also provides EU-funded scholarships for the third country nationals participating in these courses, as well as scholarships for EU-nationals studying at partner universities all over the world.

Currently, Erasmus Mundus supports about 100 Erasmus Mundus 2-year master degree courses of outstanding academic quality: all programs are conducted in English, the candidates are expected to have good study results and confirmed knowledge of English language.

Warsaw University of Technology participates in 9 Erasmus Mundus Programmes:

ACTIVE – (Atlantic Caucasus Technical universities Initiative for Valuable Education) is an Erasmus Mundus programme which aims mainly at launching a research and education network comprising HEIs from the European Union, Belarus, Moldova, Ukraine, Georgia, Azerbaijan and Armenia. ACTIVE programme is focused on engineering and technology fields of study. The programme objective is to promote the exchange of persons, knowledge and skills at higher education level.

ACTIVE programme offers student and staff scholarships to citizens of the European Union, Belarus, Moldova, Ukraine, Georgia, Azerbaijan and Armenia. 200 scholarships can be awarded for 1-36 months depending on mobility type/academic level.

More information available at http://active.meil.pw.edu.pl

Avempace is an Erasmus Mundus programme which aims at enhancing the academic cooperation between European, Jordanian and Syrian universities by bringing together students, staff as well as young and senior researchers involved in the same disciplines, or by forming multidisciplinary teams to cover research domains identified by the Jordanian and Syrian universities as "priorities".

Avempace programme offers scholarships to undergraduate, graduate, doctoral, post-doctoral students and staff. These scholarships are financed by the European Commission as part of the Erasmus Mundus programme and cover travel, insurance, tuition fees and subsistence allowance. Consortium conducting the programme is composed of 10 HEIs from EU, 5 universities from Jordan and 5 universities from Syria.

Students and staff members from all universities in the Avempace consortium can apply for scholarships. The

Avempace scholarships are allocated to:

- Students, staff members and graduates from Jordan and Syria wanting to study at an EU university.
- Students and staff members from EU partner universities wanting to study at a Jordanian or Syrian partner university.

More information is available at: http://www.avempace.eu

EMARO is an Erasmus Mundus programme in Advanced Robotics for graduate students holding B.Sc., B.Eng. or equivalent degrees in fields related to robotics (e.g. electrical engineering, electronics, mechanical engineering, computer science and engineering). The teaching programme covers advanced

and intelligent robotics, including mathematical modelling, control engineering, computer engineering and mechanical design in order to prepare students to deal with modern robotics systems. Programme is offered at the Faculty of Power and Aeuronautical Engineering.

Consortium conducting the programme is composed of 3 institutions:

- Ecolé Centrale de Nantes (France)
- Università di Genova (Italy)
- Warsaw University of Technology (Poland).

EMARO students who are EU citizens are eligible for 6-month grants for the research stay in one of 3 selected universities: Asian Institute of Technology (Thailand), Keio University (Japan), Shanghai Jiao Tong University (China).

More information is available at: http://emaro.irccvn.ec-nantes.fr

EWENT East-West European Network on higher Technical education is an Erasmus Mundus programme which offers mobility scholarships for students and staff from Belarus, Moldova or Ukraine to European Union partner

universities and from EU countries to partner universities in Belarus, Moldova and Ukraine. The programme is focused on engineering, technology, mathematics, informatics and natural science fields of study.

Duration B.Sc.: 5-10 months

M.Sc.: 5–24 months Ph.D.: 5–36 months Postdoc: 5–10 months Staff: 1– 3 months

Consortium conducting the programme is composed of 10 universities from Belarus, Moldova and Ukraine and 7 universities from the EU. eASTANA project is coordinated and offered at the Faculty of Power and Aeronautical Engineering.

More information is available at: http://ewent.meil.pw.edu.pl/

e-ASTANA - euroAsian Starter for Technical Academic Network

Application is an Erasmus Mundus programme which offers mobility scholarships for students and staff from Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan and Uzbekistan to travel to EU partner universities. More than 100 scholarships will be available for the period of 1 to 34 months depending on mobility type or academic level. The project is coordinated by the Faculty of Power and Aeronautical Engineering.

Consortium conducting the programme is composed of 6 universities from the EU and 8 universities from Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan and Uzbekistan.

More information is available at: http://eastana.meil.pw.edu.pl/

M.E.S.C. – Materials for Energy Storage and Conversion is an Erasmus Mundus programme which provides advanced education in materials science and electrochemistry. The course consists of 3 semesters of classes and 1 semester devoted to research in one of the 16 European laboratories. The M.E.S.C consortium includes: Université de Paul Sabatier - Toulouse (France), Université de More information is available at: http://www.u-picardie.fr/mundus MESC/

Picardie – Amiens (France), Université de Provence – Marseille (France), Universidad de Córdoba (Spain), Warsaw University of Technology (Poland).

Tuition fee for European students is 1000 EUR per year. Students of the university which is a member of the consortium, pay regular fees to their home university.

HERITAGE – is an Erasmus Mundus programme focusing on the creation

of partnerships at an academic level to strengthen ties between India and the European Union. It also aims at strengthening research and development of cooperation and relations in such areas as trade, politics and international organizations.

HERITAGE offers scholarships to Indian students and academic staff wanting to participate in an institutional mobility scheme. Candidates will have the opportunity to study, teach or work in prestigious European universities. Scholarships will be granted to Indian students and professors to perform the study or professional practice in Europe in one of the 10 European partner HEIs. There will be above 140 scholarships to be awarded for 1-34 months stay depending on mobility type/academic level. The HERITAGE project focuses on science and technology in line with the development priorities of India and Europe.

More information available at http://www.heritage-ema2.eu/

INTERWEAVE - is an ERASMUS MUNDUS Partnership project funded by the European commission, coordinated by Ecole Centrale de Nantes and the University of Malaya. The INTERWEAVE project provides scholarships to undergraduate, graduate, doctoral and post-doctorate students and staff for mobility between Europe and Asia.

Duration.

B.Sc. mobility: 6-10 months M.Sc. mobility: 6-10 months M.Sc. full programme: 12/24 months Ph.D. mobility: 6-10 months Ph.D. full programme: 36 months Post Doctorates mobility: 6-10 months.

OpSciTech – Optics in Science and Technology is an Erasmus Mundus Master Programme providing comprehensive and multidisciplinary coverage of the field of Optics from upstream scientific aspects to engineering and applications in major sectors of economy. Applicants should hold B.Sc. or B.Eng. degree, have good knowledge of physics and basics of optics (e.g. physics, mechatronics, electrical engineering, electronics, computer science). Programme is offered at the Faculty of Mechatronics.

Consortium conducting the programme is composed of 6 institutions:

- Institut d'Optique and Universite Paris-Sud11 (France)
- Imperial College London (United Kingdom)

- Delft University of Technology (the Netherlands)
- Friedrich Schiller University Jena (Germany)
- Warsaw University of Technology (Poland).
- More information is available at: http://www.master-optics.eu/







Citizens of non-EU countries can study at Warsaw University of Technology in Polish as language of instruction:

- 1. as a result of competition, (free of charge, no scholarships or grants given)
- 2. based on application, (tuition-based)
- 3. on the basis of references from the Bureau for Academic Recognition and International Exchange - such references may be claimed by the Polish diplomatic missions in the candidate's country.

Warsaw University of Technology offers full range of studies in Polish at:

Faculty of Administration and Social Sciences www.ans.pw.edu.pl

Faculty of Architecture www.arch.pw.edu.pl

Faculty of Automotive and Construction Machinery Engineering www.simr.pw.edu.pl

Faculty of Chemical and Process Engineering www.ichip.pw.edu.pl

Faculty of Chemistry www.ch.pw.edu.pl

Faculty of Civil Engineering www.il.pw.edu.pl

Faculty of Electrical Engineering www.ee.pw.edu.pl

Faculty of Electronics and Information Technology www.elka.pw.edu.pl

Faculty of Environmental Engineering www.is.pw.edu.pl

Faculty of Geodesy and Cartography www.gik.pw.edu.pl

Faculty of Mathematics and Information Science www.mini.pw.edu.pl

Faculty of Management www.wz.pw.edu.pl

Faculty of Materials Science and Engineering www.inmat.pw.edu.pl

Faculty of Mechatronics www.mchtr.pw.edu.pl

Faculty of Production Engineering www.wip.pw.edu.pl

Faculty of Physics www.if.pw.edu.pl

Faculty of Power and Aeronautical Engineering www.meil.pw.edu.pl

Faculty of Transport www.it.pw.edu.pl

Faculty of Civil Engineering, Mechanics and Petrochemistry www.pw.plock.pl

College of Economics and Social Sciences www.pw.plock.pl

If you are an EU citizen, please contact the Office of Admission to Studies, Warsaw University of Technology:

Pl. Politechniki 1, room 66, Main Building of WUT Tel.: +48 22 629 60 70, +48 22 234 74 12 Fax: +48 22 234 74 29 E-mail: rekrutacja@pw.edu.pl.

If you are a non-EU citizen, please contact the International Students Office: E-mail: students@cwm.pw.edu.pl www.students.pw.edu.pl



Warsaw University of Technology

Studying at Warsaw University of Technology is not only about hard work. We can also offer you an exciting student life.

Various student organisations such as, e.g. WUT Students Union or WUT Independent Student Association organise cultural, sports and tourist activities. Thanks to them, studying at WUT is not just about going to lectures and studying. People who work there organise discos, parties, theatre trips, sport competitions, sailing or skiing camps and many other events. Sometimes they arrange courses or training programmes for students. Members of those organisations are responsible particularly for foreigners. They offer a helping hand when you have problems with your course, teachers or adapting to student life. There are also many student research societies, which are active at faculties.

Students of Warsaw University of Technology can join international associations, such as BEST (Board of European Students of Technology), ESTIEM (European Students of Industrial Engineering and Management), EUROAVIA (European Association of Aerospace Students), IAESTE (International Association for the Exchange of Students for Technical Experience), IACES (International Association of Civil Engineering Students) and many others.





Sport activities

During the first 3 years of studies students attend physical education classes. At the beginning of each academic year there are meetings in the College of Physical Education and Sport where students are informed about sport classes and sport disciplines they can choose. The range is really broad i.e. basketball, volleyball, football, swimming, judo, box, kick-boxing, body-building, aerobics, lawn and table tennis and skiing (on artificial slopes in Warsaw).

Entry requirements:

- 1. Application documents:
 - B.Sc. candidates Certificate of Secondary Education,
 - M.Sc. candidates B.Sc. diploma (or any other equivalent diploma)
- 2. Good knowledge of English (appropriate certification required)
- 3. High score in subjects of topical fields.
- 4.

To apply, the candidate must register online at:

www.students.pw.edu.pl

After your account is activated, you must fill in the application form and upload the required documents (below). Process of admission begins after **ALL** mentioned documents are submitted.

- 1. Certificate of Secondary Education or B.Sc. diploma
- 2. Legalization or appostille of diploma/certificate
- 3. Application Fee proof of payment
- 4. Copy of Passport
- 5. English language certificate (please see the list below).

1. Legalised Documentation

You must legalise your original Certificate of Secondary Education or **B.Sc. diploma.**

There are two types of legalisation of international documents,

depending on the country of the document issue.

- 1. Apostille for Hague Convention Countries plus European Union countries;
- 2. Legalisation for other countries.

You must legalise:

- Certificate of Secondary Education for B.Sc. programmes
- B.Sc. diploma for M.Sc. programmes

! Please note: for bachelor degree studies, the certificate must include a statement that the candidate can continue education in the country of the document issue. If the statement is not included, you will have to obtain a special certificate from the Polish Embassy or any other appropriate office (Ministry of Education or an equivalent office) in the country where the document was issued.

The procedure of legalising a foreign document is different in each country. Depending on their home country, candidates can do it at:

- **an appropriate government office in their home country**-for Hague Convention Countries + European Union countries;
- **Polish Embassy** or **Consulate -** for other countries.

EU and Hague Convention countries:

If you are a citizen of the Hague Adoption Convention country you are required to present a document called **Apostille**. You can obtain it from the Polish Embassy or Consulate in your home country.

Other countries:

As a foreign candidate you must legalise your documents at the Polish Embassy or Consulate in your home country and/or at the appropriate government office.

Please note: Legalisation **must not** be done on a photocopy of documents. It can be done on a duplicate, on a separate document or, in case of some countries, on an original diploma or certificate.

2. Application Fee – proof of payment

Candidates must pay €200 application fee to cover the costs of administration procedures. When making the transfer, please write your **full name** and give a **clear description of the purpose of payment** and the **name of the recipient** e.g. John Smith Kowalski, 200 Euro Application Fee, Civil Engineering.

Please note: Application fee is non-refundable.

Please transfer the fee to:

Warsaw University of Technology Centre for International Cooperation International Students Office

Bank PEKAO SA, IV o/WARSZAWA filia 2 ul. Noakowskiego 18/20, 00-668 Warszawa Account number: 69 1240 6003 1111 0010 5413 2862 Swift code: PKO PPL PW, IBAN code: PL (plus the account number if required)

Warsaw University of Technology

3. Copy of Passport

Scan and upload the photo page of your passport.

4. English language certificate

Candidates must have an appropriate document certificating their English language competences or they must come from a country where English is an official language.

Below you can find a list of such required certificates:

Certificates issued by institutions affiliated by the Association of Language Testers in Europe (ALTE) - levels of ALTE Level 3 (B2), ALTE Level 4 (C1), ALTE Level 5 (C2), in particular Certificates:

- First Certificate in English (FCE)
- Certificate in Advanced English (CAE)
- Certificate of Proficiency in English (CPE)
- Business English Certificate (BEC) Vantage – at least Pass
- Business English Certificate (BEC) Higher
- Certificate in English for International Business and Trade (CEIBT)
- Pearson Test of English General (PTE)

Educational Testing Service (ETS) - in particular Certificates:

- Test of English as a Foreign Language (TOEFL) – at least 87 points in Internet-Based Test (iBT)
- Test of English as a Foreign Language (TOEFL) – at least 180 points in Computer-Based Test (CBT), supplemented by at least 50 points from Test of Spoken English (TSE)
- Test of English as a Foreign Language (TOEFL) – at least 510 points in Paper-Based Test (PBT)

supplemented by at least 3,5 points from Test of Written English (TWE) and supplemented by at least 50 points from Test of Spoken English (TSE)

- Test of English for International Communication (TOEIC) – supplemented by at least 700 points
- European Consortium for the Certificate of Attainment in Modern Languages (ECL)

City & Guilds, City & Guilds Pitman Qualifications, Pitman Qualifications Institute:

- English for Speakers of Other Languages (ESOL) – First Class Pass at Intermediate Level, Higher
- Intermediate Level, Advanced Level
 International English for Speakers of Other Languages (IESOL) –

"Communicator" level, "Expert" level, "Mastery level"

- City & Guilds Level 1 Certificate in ESOL International (reading, writing and listening) Communicator (B2) 500/1765/2
- City & Guilds Level 2 Certificate in ESOL International (reading, writing and listening) Expert (C1) 500/1766/4

in ESOL International (reading, writing and listening) Mastery (C2) 500/1767/6

- Spoken English Test (SET) for Business – Stage B level "Communicator", Stage C "Expert" level, Stage C "Mastery" level
- English for Business Communications (EBC) Level 2, Level 3
- English for Office Skills (EOS) Level 2
- City & Guilds Level 3 Certificate

Edexcel, Pearson Language Tests, Pearson Language Assessments:

- London Tests of English, Level 3 (Edexcel Level 1 Certificate in ESOL International)
- International)London Tests of English, Level 5

International)

London Tests of English, Level 4
 (Edexcel Level 2 Certificate in ESOL

Education Development International (EDI), London Chamber of Commerce and Industry Examinations Board:

- London Chamber of Commerce and Industry Examinations (LCCI) – English for Business Level 2, English for Business Level 3, English for Business Level 4
- London Chamber of Commerce and Industry Examinations (LCCI) –

Foundation Certificate for Teachers of Business English (FTBE)

(Edexcel Level 3 Certificate in ESOL

 London Chamber of Commerce and Industry Examinations (LCCI)

 English for Tourism Level 2 – "Pass with Credit" level, "Pass with Distinction" level

Certificates telc GmbH, WBT Weiterbildungs-Testsysteme GmbH:

- B2 Certificate in English advantage
- B2 Certificate in English for Business Purposes – advantage
- telc English B2 Business
- telc English B2 Technical
- Certificate in English for Technical Purposes (B2)
- telc English C1

telc English B2

If you do not hold any of the listed certificates, please contact the International Students Office. Depending on your language skills or other presented certificates, the Faculty might accept your admission.

Dates and Deadlines:

Deadline for application to studies in English differs and depends on a faculty. It is generally the end of August.

5 Faculties enrol students twice a year:

from autumn semester (October) and from spring semester (February deadline for application is **1st January**)

These Faculties are:

- Faculty of Electronics and Information Technology (B.Sc. and M.Sc. programmes),
- Faculty of Management (M.Sc. programme),
- Faculty of Mathematics and Information Science (M.Sc. programme),
- Faculty of Power and Aeuronautical

Engineering (B.Sc. and M.Sc. programmes),

• Faculty of Production Engineering (M.Sc. programme)

Please note: If your online application is complete, it will be verified, and the decision will be sent on the 1st of the following month.

Please remember that in certain countries you should allow at least 3 months to obtain a Polish visa. We advise that you start the application procedures in June (at least 4 months prior to the beginning of an academic year).

Contact and more info:

Our office is open every day from **10.00** to **15.00** (GMT+1) Room 233, Main Building of WUT.

e-mail: <u>students@cwm.pw.edu.pl</u> webpage: <u>www.students.pw.edu.pl</u>

Tel.: +48 22 234 5091/6039 Fax: +48 22 234 5777 It is usually easier to contact us by email.