

# Environmental Engineering Warsaw University of Technology



Our BSc and MSc studies received the EURO-ACE label accreditation of ENAEE - the diplomas obtained by our graduates are honored in the European Union.



**Wydział Instalacji  
Budowlanych, Hydrotechniki  
i Inżynierii Środowiska**

POLITECHNIKA WARSZAWSKA





# WELCOME...

## to the Faculty of Building Services, Hydro and Environmental Engineering

It is our great pleasure to invite you to study in English at the Faculty of Building Services, Hydro and Environmental Engineering. The Faculty is one of the biggest faculties within the Warsaw University of Technology (WUT) – a technical research university with traditions in education dating back to the 19th century. Environmental Engineering is an area of study and research which the main goal is to limit the impact of human activities on the environment by management and control of waste and pollution concerning water, soil and air, as well as to meet the rising demand for creating and sustaining comfortable conditions for work and relaxation.

The community of the Faculty consists of more than 130 academics and almost 2400 students of all types and levels of studies: BSc (Bachelor of Science), MSc (Master of Science) and PhD (Doctor of Philosophy) degree, full time, extra-mural and post-graduate studies. The Faculty continues educational traditions of water engineering courses, which started in 1915, and have been successively developed by including other elements of environment: air and soil, as well as the technical systems of buildings, such as: air conditioning, heating, gas, water supply and sewage. Well-equipped laboratories and highly qualified teachers offer a high level of studies carried out in accordance with the principles set out by the „Bologna Declaration”. Polish accession to the European Union causes that the requirements and standards relating to the environment are similar to those in other EU countries, therefore the content of the studies has become universal throughout the Union.

**In 2018, our BSc and MSc studies received the EURO-ACE label accreditation of ENAEE (European Network for Accreditation of Engineering Education). The engineering and master's diplomas obtained by our graduates are honored in the European Union.**

Apart from educational activities, the Faculty conducts research and projects in the areas of both outdoor and indoor Environmental Engineering including bioengineering, environment protection and natural resource management, hydrology, water supply and sewerage systems, water and wastewater treatment processes, sludge and waste treatment and disposal, hydraulic structures, air pollution control, indoor air quality, heating, ventilation and air conditioning, gas distribution and district heating systems, environmental information systems.



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Dean's chain cup – (approx. 1918)

## About the Faculty

The Faculty of Building Services, Hydro Environmental Engineering conducts its principal educational and scientific mission along with applied research and services in a wide range of disciplines related to environmental engineering and protection. At present the Faculty is composed of one Chair and 6 Divisions: Chair of Environmental Protection and Management, Division of Biology, Division of Hydro-Engineering and Hydraulics, Division of District Heating and Gas Systems, Division of Informatics and Environment Quality Research, Division of Air Conditioning and Heating, Division of Water Supply and Sewage Disposal Systems.

At the Faculty, as in the best Polish and foreign universities, three-level study system with assessment of student progress according to the European Credit Transfer System (ECTS) was introduced. The first level of study leads to Bachelor of Science in Engineering degree (BSc Eng). The second level leads to Master of Science in Engineering degree (MSc Eng), and third, doctoral level leads to PhD degree. The Faculty offers the programmes in three fields of study: Environmental Engineering, Environmental Protection and Bioeconomy. Studies are carried out in the form of full-time and extramural. Faculty also offers a wide range of specialist postgraduate courses.



The Faculty actively participates in the EU educational programmes (Erasmus+, Erasmus Mundus, TEMPUS, Leonardo da Vinci) as well as co-operates in the frame of national and international research projects with numerous scientific centres and universities, international organisations and industrial companies.

The Faculty is housed in its own building in the main campus of WUT. Faculty teaching facilities includes: 2 auditoriums with 150 seats, 6 classrooms with 50 seats and 16 rooms with 30 seats. In its teaching and research activities, the Faculty uses 30 own laboratories and computer labs, as well as external laboratories. The Faculty has its own library.

## BENEFITS of being an Environmental Engineer

Environmental Engineering is one of the most sophisticated, complex and fast growing engineering disciplines. It concerns the protection of human population from the potentially deleterious effects of human activities and the improvement of environmental quality for people's health and well-being within sustainable development conditions. Sustainable development becomes a global hot topic which must be addressed by environmental engineers. Other important areas of environmental engineers' activities are: design of systems of pollution control of surface and groundwater, air quality management, recovery and containment of solid wastes, environmental impact analysis, soil contamination and site clean-up. The aim of our curriculum of studies is to investigate, develop, and impart fundamental and advanced engineering knowledge relevant to the field of environmental engineering and emerging international and national challenges. Basing on technical knowledge, experience and inquiry we provide creative research, problem solving, and leadership that prepares our students for a successful career. With education and qualifications in Environmental Engineering you may be a designer, consultant, manager, manufacturer in many public and private sectors.

The major objective of the Environment Engineering Programme is to provide a high quality, interdisciplinary knowledge and skills to people searching for solutions to the environmental problems of today and the future, concerning: water resources protection, air pollution control, solid waste management, environmental impact assessment, renewable energy systems and others.

Environmental engineers have the necessary skills to address these issues and improve the quality of human life in an effective, sustainable, and economical manner.

The modern activities of the environmental engineer profession embrace a multidisciplinary approach embodying the complete spectrum of environmental effects on health and ecology and the full implementation of 21st century sciences to solve complex pollution problems. Environmental engineers are responsible for the effective application of scientific discoveries and modern engineering technologies within an environment-sensitive society taking care of its future development. An environmental engineer is now a profession of a great responsibility and bright future.





## GENERAL DESCRIPTION

### of the Environmental Engineering Programmes

Studies at the Faculty of Building Services, Hydro and Environmental Engineering of the Warsaw University of Technology are based on highly professional engineering curriculum aiming at knowledge and practices related to the protection of environment and sustainable development. The Faculty offers two programmes taught in English: undergraduate programme in Environmental Engineering leading to BSc Eng (Bachelor of Science in Engineering) degree and graduate programme in Environment Protection Engineering leading to MSc Eng (Master of Science in Engineering) degree. The English-taught programmes are targeted not only at foreigners but also at native speakers of Polish who plan to seek employment abroad.

At the undergraduate level of Environmental Engineering, principal engineering skills are taught together with achievement of knowledge of basic subjects such as mathematics, physics, chemistry and biology. All the students of the Faculty are given general knowledge of processes in major constituents of environment as well as in basic environmental technologies, e.g.: atmospheric physics and chemistry,



air pollution control, hydrology, water resources and water protection, water and sewage processing, groundwater, soil protection and land reclamation, waste management. Modern methods of natural resources protection through the use of best available technologies and production practices, recycling and reuse of wastes are thoroughly taught. In addition, environmental aspects of the energy production and use are stressed throughout all engineering courses. Students are also familiar with some global environmental issues such as climatic change, ozone layer depletion, land use changes and global water scarcity and contamination.

At the graduate level, broader knowledge and the system approach skills are acquired, including environmental law and economy, impact analysis, risk analysis and decision making, mathematical modelling, environment quality assessment and management, etc. These are linked either to national or the EU perspectives. Programme participants broaden their background in environmental physics, chemistry and biology, familiarize with techniques of environmental data analysis and mathematical modelling, and develop practical skills in designing and governing environment protection measures. They receive training in a wide range of environmental technologies such as water and waste water treatment technology, air pollution control, water and soil quality control, solid and hazardous waste management, environmental aspects of energy production and its use. In order to develop teamwork and collaborative skills, the professional knowledge is supplemented by training in social communication.

Graduates can deepen their specific interests by choosing of elective courses in various areas of environment protection and environmental technologies.

**In 2018 both our programmes in Environmental Engineering, BSc and MSc, were accredited by Accreditation Commission of Universities of Technology and received the EURO-ACE® label which means that the programmes satisfy ENAEE standards specified in the EUR-ACE Standards and Guidelines for Accreditations of Engineering Programmes. EUR-ACE is the European quality label for engineering degree programmes at Bachelor and Master level and gives international value and recognition to that engineering qualifications.**

**ENAEE (European Network for Engineering Accreditation) is the European body responsible for awarding authorisation to accreditation agencies to award the EUR-ACE® label at Bachelor and Master level to engineering programmes which they have accredited.**

**The engineering and master's diplomas obtained by our graduates are honored in the European Union.**



## **PROFESSIONAL PROFILE**

### **Environmental Engineer (BSc Eng)**

The undergraduate programme in Environmental Engineering aims at a general engineering practice related to the protection of environment and sustainable development. Students are trained for positions as consulting engineers, environmental affairs engineers for industrial and transportation companies, land reclamation and waste management companies, water and sewer companies, engineering design studios and consulting companies, civil servants in national, regional and local environmental agencies and services, environmental inspection and monitoring units. The professional title of "Engineer" (BSc Eng), gained at the undergraduate level by alumni, indicates capability of: handling large spectrum of environmental problems and issues arising at industrial companies and civil life, supervising specialized equipment operation, carrying out and interpreting environmental measurements, participating in environmental impact assessment procedures at the local level.



## PROFESSIONAL PROFILE

### Environment Protection Engineer (MSc Eng)

The graduate programme in Environment Protection Engineering aims at research and engineering activities concerning the mitigating of negative impacts of human activity on the environment, protection of environment and sustainable development. It is primarily addressed to the alumni of undergraduate (BSc Eng) programs in engineering, such as environmental, civil, chemical or mechanical engineering who want to pursue their professional careers in environment protection, environmental engineering, environmental science and various professional fields related to environmental problems

After successful completion of this programme, alumni are able to:

- ▶ **apply their knowledge and problem solving abilities in new or unfamiliar professional or academic environments within multidisciplinary context related to environment protection engineering,**
- ▶ **integrate knowledge and handle complexity of environmental phenomena even with incomplete or limited information,**
- ▶ **use a full range of learning skills to study and solve environment protection problems in self-directed and autonomous manner.**

Alumni are prepared for reacting to changing environment market requirements and responding effectively to international and national calls for environmentally oriented projects, as well as for setting and running such projects.



## UNDERGRADUATE PROGRAMME

The undergraduate programme in Environmental Engineering is accessible to people who hold a secondary-school certificate allowing them to apply to universities. Candidates to the Faculty are accepted on the basis of their results on the secondary-school final examination certificate. The studies last eight semesters and lead to a Bachelor of Science in Engineering (BSc Eng) Degree. The whole programme comprises 2,500 hours and 240 ECTS credits (European Credits Transfer System).

The first three semesters of the programme give general knowledge in mathematics, physics, chemistry and biology at the university level. Moreover, several engineering basic courses in: materials engineering, descriptive geometry and engineering graphics, strength of materials and mechanics of construction as well as thermodynamics and fluid mechanics are offered to provide students with a comprehensive understanding of environmental issues. The scientific and engineering courses are completed by social sciences and humanities topics to broaden study perspectives as well as to prepare students for professional interaction with people.

The four further semesters cover specific topics within the field of environmental engineering. The main topics are the following: hydrology, meteorology, soil protection, water resources protection, air pollution control, energy systems and environment, ventilation and air-conditioning systems, building heating systems, solid waste management, municipal and industrial waste water treatment.

The eighth semester is mostly dedicated to the professional internship, work on the final project and preparation of an engineering diploma on the topic chosen by the students and accepted by their academic supervisors. The diploma work should demonstrate acquired technical skills and an understanding of environmental issues, and must be presented for review, assessment and examination by the Faculty Examination Board.

While much of the attention is given to professional knowledge and skills, the Warsaw University of Technology has always been stressing the role of a solid engineer's background in mathematics, physics, chemistry and computer sciences. This facilitates accommodation to future demands and helps in future career development.



<b>Semester 1 BSc</b>	<b>Number of hours</b>					<b>ECTS</b>
Name of subject	Lec	Tut	Lab	Comp	Proj	
HES (Work Environment Protection)	15					2
Mathematics - Algebra with Geometry	30	30				6
Mathematics - Calculus I	30	30				6
Physics I	30	30				6
Environment Protection	30					3
Descriptive Geometry	15				15	3
Technical Drawing					15	2
Surveying	15	15				2
Physical Education (Sport)		30				0

<b>Semester 2 BSc</b>	<b>Number of hours</b>					<b>ECTS</b>
Name of subject	Lec	Tut	Lab	Comp	Proj	
Mathematics - Calculus II	30	30				6
Physics II	15		30			5
Chemistry	30	15	30			6
Biology and Ecology	30					3
Information Technology	15			30		3
Strength of Materials and Mechanics of Constructions	30	15	15			4
Material Engineering	15				30	3
Physical Education (Sport)		30				0

<b>Semester 3 BSc</b>	<b>Number of hours</b>					<b>ECTS</b>
Name of subject	Lec	Tut	Lab	Comp	Proj	
Foreign Language		60				4
HES (Basis of Law and Economy)	30					2
Mathematics - Calculus III	15	15				3
Biology and Ecology (lab)			30			3
Informatics I - AutoCAD	15			30		3
Thermodynamics	30	15				4
Fluid Mechanics	30	15				4
Civil Engineering and Constructions	30				15	4
Statistics in Environmental Sciences	15	15				3
Physical Education (Sport)		30				0

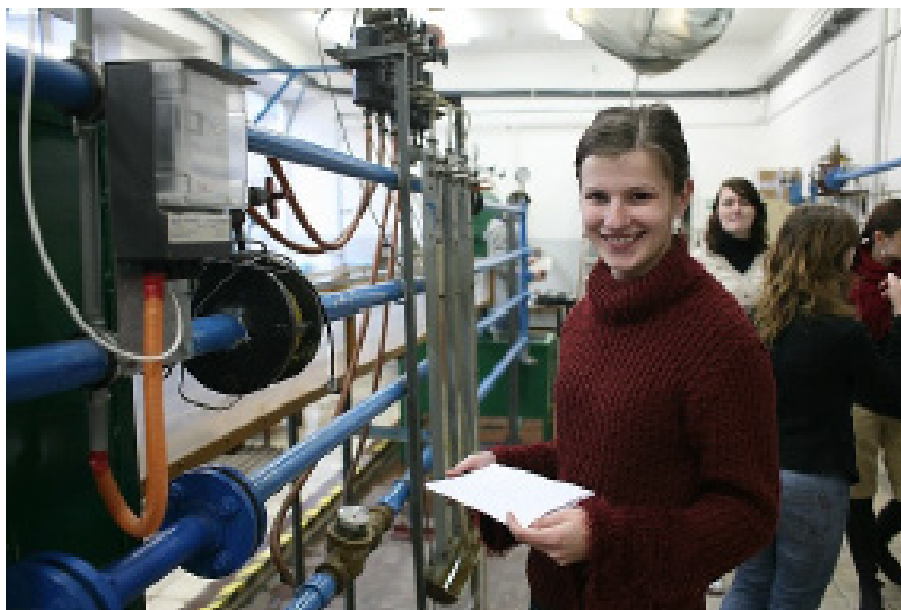
<b>Semester 4 BSc</b>	<b>Number of hours</b>					<b>ECTS</b>
Name of subject	Lec	Tut	Lab	Comp	Proj	
Foreign Language		60				4
HES (Economics and Law in Environmental Engineering)	30	15				3
Informatics II - MATLAB				30		3
Fluid Mechanics (lab)			30			2
Hydrology	30				15	5
GIS	15			30		3
Meteorology	30				15	5
Soil Protection	15		30			5

<b>Semester 5 BSc</b>	<b>Number of hours</b>					<b>ECTS</b>
Name of subject	Lec	Tut	Lab	Comp	Proj	
Foreign Language		60				4
Engineering Hydrology and Hydrogeology	30				15	4
Environmental Chemistry	15		30			4
Environmental Biology	15		30			4
Fundamentals of Air Pollution	30				15	4
Solid Waste Management	30				15	3
Energy Systems and Environment	30				15	4
Ventilation and air-conditioning systems	30				15	3

<b>Semester 6 BSc</b>	<b>Number of hours</b>					<b>ECTS</b>
Name of subject	Lec	Tut	Lab	Comp	Proj	
Building Heating Systems	30				15	4
Meteorological Measurements and Remote Sensing	15		15			3
Integrated Water Resources Management	15				30	5
Water Resources Protection	30	15			15	5
Municipal and Industrial Wastewater Treatment	15		30			4
Elective Courses	45				90	9

<b>Semester 7 BSc</b>	<b>Number of hours</b>					<b>ECTS</b>
Name of subject	Lec	Tut	Lab	Comp	Proj	
Air Pollution Dispersion Modelling	15			30		4
Renewable Energy Systems	30				15	4
Environmental Impact Assessment	30				15	4
Spatial Planning and Sustainable Development	15					2
Technical Documentation		15				2
Elective Courses	45				90	9
Internship (before 7th semester)	4 weeks					5

<b>Semester 8 BSc</b>	<b>Number of hours</b>					<b>ECTS</b>
Name of subject	Lec	Tut	Lab	Comp	Proj	
Diploma Seminar		15				1
BSc Eng Diploma						15
Professional Internship	8 weeks					14



Electives - Semester 6 BSc	Number of hours					ECTS
Name of subject	Lec	Tut	Lab	Comp	Proj	
Biotechnology	15		30			3
Hydrology of urban areas	15				30	3
Environmental Protection Management in Urban Areas	15				30	3
Energy Audit of Buildings and Industry	15	30				3
CAD of Heating,Cooling and Water Supply Systems	15			30		3
Indoor Environment Engineering I	15				30	3
Natural Gas Engineering	15			30		3
Waste Treatment Engineering	15				30	3

Electives - Semester 7 BSc	Number of hours					ECTS
Name of subject	Lec	Tut	Lab	Comp	Proj	
Ecotoxicology	15		30			3
Hydrology of Small Drainage Basins	15				30	3
Remote Sensing Imagery Processing	15			30		3
Rationalization of Heat and Energy Use	15	30				3
Building Heating Systems II	15				30	3
Indoor Environment Engineering II	15				30	3
Modelling and Simulation of Gas Networks	15			30		3
Waste Recycling and Reuse Technology	15				30	3

The full description of the subjects offered in the BSc Curriculum is available at: <http://www.is.pw.edu.pl/index.php/en/admission-menu/programme-offer/undergraduate-bsc-programme/bsc-curriculum/>

## GRADUATE PROGRAMME

The graduate, MSc level programme in Environment Protection Engineering is available to people who had graduated with a Bachelor of Science (BSc) Degree. It is primarily addressed to the alumni of the Undergraduate (BSc Eng) Programme in Environmental Engineering or other undergraduate programmes in engineering, such as civil, mechanical or chemical engineering. Candidates to the Programme are accepted on the basis of their Bachelor degree examination results. Detailed admission requirements are specified in the Admission Regulations for graduate programmes at Environmental Engineering laid down in the Resolution of the Faculty Board.

The graduate programme in Environment Protection Engineering lasts four



semesters and leads to Master of Science in Engineering (MSc Eng) Degree. The whole programme comprises 1400 hours and 124 ECTS credits.

The first year of the programme gives in-depth knowledge in computational methods, environmental fluid mechanics, chemistry, scientific programming, data analysis and management. Moreover, several specialized engineering courses cover specific topics within the field of environment protection engineering. The main topics are as follows: environmental protection management, surface and groundwater protection, soil diagnostic techniques, monitoring of the environment, applied climatology and global climate change, municipal solid waste treatment technologies. In the second year further courses in environment protection engineering are offered: land reclamation and development, irrigation and drainage, remote sensing of environment, proecological technologies, energy systems modelling and optimization. These compulsory courses are supplemented by some elective courses. Moreover, in the third and fourth semester students work on the final project and prepare a master thesis in a proposed topic. The completed Master Thesis should demonstrate acquired scientific and technical skills and understanding of environmental issues. The thesis is presented for review, assessment and examination by the Faculty Examination Board. The master thesis is credited with 20 ECTS points.

First Year MSc, Fall Semester	Number of hours					ECTS
Name of subject	Lec	Tut	Lab	Comp	Proj	
Searching and Sharing of Knowledge	15					2
Environmental Protection Management	15				30	3
Computational Methods in Environmental Engineering	30			15		4
Environmental Fluid Mechanics	30			15		4
Surface Water Protection	30				15	3
Principles of soil diagnostic techniques	15			15	15	3
Acquisition and Management of Environmental Data	30			15		3
Applied Climatology	30			15		4
Reliability and Safety of Engineering Systems	30					2
Monitoring of Environment	15				15	2

First Year MSc, Spring Semester	Number of hours					ECTS
Name of subject	Lec	Tut	Lab	Comp	Proj	
Physical Education (Sport)		30				0
Geostatistics	30	15				4
Air Pollution Control	30				15	3
Biological Techniques for Environmental Monitoring	15		15			3
Environmental Chemistry II	15		30			3
Scientific Programming & Data Analysis				60		3
Spatial Data Analysis	15			30		3
Global Climate Change	30			15		4
Groundwater Protection	15				30	4
Municipal Solid Waste Treatment Technology	30				15	3

Second Year MSc, Fall Semester	Number of hours					ECTS
Name of subject	Lec	Tut	Lab	Comp	Proj	
Environmental Physics	30			15		4
Pro-ecological Technologies	15				30	3
Introduction to Remote Sensing of Environment	15			30		3
Irrigation and Drainage	15				30	3
Elective courses	30				60	6
Diploma seminar		15				1
MSc Diploma						10
Internship (4 weeks before fall sem.)						4

Second Year MSc, Spring Semester	Number of hours					ECTS
Name of subject	Lec	Tut	Lab	Comp	Proj	
Land Reclamation and Development	15		15		15	4
Environmental Risk Assessment	15		30			3
Alternative Energy Sources	15				30	3
Energy Systems Modelling and Optimization	30			15		3
Elective courses	30				60	6
Diploma seminar		15				1
MSc Diploma						10

<b>Electives – Fall Semester</b>	<b>Number of hours</b>					<b>ECTS</b>
Name of subject	Lec	Tut	Lab	Comp	Proj	
Forecasting of Meteorological Hazards	15				30	3
Biological Hazards and Biodeterioration in Environmental Engineering	15	30				3
Odour Abatement Techniques	15		15		15	3
Environment Protection in Transport Systems	15	15			15	3
Data Bases	15			30		3
Energy Audit of Buildings and Industry	15				30	3
Integrated Waste Management in Urban Areas	15				30	3

<b>Electives – Spring Semester</b>	<b>Number of hours</b>					<b>ECTS</b>
Name of subject	Lec	Tut	Lab	Comp	Proj	
Advanced Chemical Wastewater Treatment Methods	15		30			3
Advanced Biological Methods of Wastewater Treatment	15	30				3
Elements of Bioeconomy	15				30	3
Rationalization of Heat Energy Use	15				30	3
Remote Sensing Imagery Processing	15			30		3
Urban Climate - Adaptation and Planning	15				30	3
Planning and Management of Water Resources Systems	15				30	3

The full description of the subjects offered in the MSc Curriculum is available at: <http://www.is.pw.edu.pl/index.php/en/admission-menu/programme-offer/graduate-m-sc-programme/msc-curriculum>

## ERASMUS+ and others programs

The Faculty conducts extensive cooperation with various foreign centers both in terms of research projects and scientific and technical research, as well as teaching. This cooperation is carried out in the following areas:

- ▶ international programs for students and academics from different European universities
- ▶ education of foreign students in Poland and Polish students and researchers abroad
- ▶ bilateral and multilateral cooperation with a number of research centers and scientific and technical institutions
- ▶ organizing and participating in international seminars and conferences.

The result of this cooperation is the joint research, scientific publications, participation in seminars and conferences, short-term and long-term research fellowships of students, graduate students and young researchers, practice and internships, as well as preparation of BSc or MSc theses by students in their last year of study at foreign institutions.

The Faculty maintains a longstanding co-operation with European universities based on the SOCRATES - ERASMUS student exchange programs.

Our partner-universities are :

- ▶ VUB, The Free University of Brussels
- ▶ Aalborg University
- ▶ Technical University of Denmark
- ▶ University of Salamanca
- ▶ University of Girona
- ▶ Kungliga Tekniska Holskolan KTH
- ▶ University of Perugia
- ▶ De Monfort University
- ▶ Ecole Polytechnique Federale de Lausanne
- ▶ Universidade Nova De Lisboa
- ▶ Universidad Politecnica de Madrid
- ▶ Universitat de Barcelona
- ▶ Alexander Technological Educational Institute of Thessaloniki
- ▶ Universidad Catolica de Avila

Candidates for exchange programs are applying at their home universities. The Faculty participates in other educational programs financed by the European Union. EWENT, eASTANA, ACTIVE, Interweave are student exchange programs in the frame of Erasmus Mundus (Action 2). The programs are aimed at students from universities outside the European Union who want to spend part of their studies in Europe.

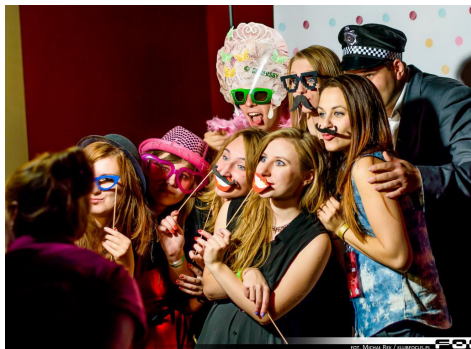
## STUDENT'S LIFE

### at the Faculty of Building Services, Hydro and Environmental Engineering

The name of the Faculty "Environmental" obliges to create a special study environment. The unique study atmosphere guarantees a full cooperation between students and teachers. Students are participants of University maintenance grants – help with housing and food, scholarship and subsistence allowances.

Students of the Faculty take active part in the Faculty Student Union. Its members participate in taking substantial decisions concerning Faculty life. Students organize a lot of events such as concerts, First year students party, Half a study party, June event, Miss and Mister election, "Open Door at the Faculty", "Science Festival", "Women for the Polytechnic", promotion events, club parties, tourist excursions, theatre and cinema visits.

Our students work for several student organisations like STONA, BEST, NZS, AZS, SKPB, ESN PW.



Student Scientific Associations complement academic process. Several scientific associations work at the Faculty:

- ▶ The Research Society of heating and district heating,
- ▶ The Research Society of ventilation and air conditioning,
- ▶ The Research Society of water engineering,
- ▶ The Research Society of biology,
- ▶ The Research Society of water supply and sewage,
- ▶ The Research Society of renewable energy and wastes recycling NAVITAS.

All the students during their first 2 years of studies at the WUT attend physical education classes. Students can choose volleyball, basketball, swimming, gym, football, table tennis, aerobics, skiing, and many more.

For people who want to do more sports, there are students organisations whose activities are associated with sports and tourism. The largest organisation is Academic Sport Association (AZS) with 35 different sections.

Information about the meetings and timetables of trainings is available at [www.azspw.pl](http://www.azspw.pl). There are also sailing organisations, for example Students' Sailing Club (SKZ) or „Wimpel”. People who like trekking should go to PTTK, Students' Club of the Beskidy Guides, Academic Tourist Club „Maluch” or the organisation „Styki”.

If you like mountain trekking you must visit a chalet of WUT called „Koliba” in the Bieszczady Mountains. Students of the WUT are entitled to discounts there.





## HOW TO APPLY

If you are a citizen of one of EU countries or a citizen of Norway, Iceland, Lichtenstein or Switzerland, or you are the holder of Polish Charter (the Pole's Card) you are entitled to apply for studies on the same conditions as citizens of Poland. Citizens of other foreign countries should follow the offer for international NON-EU students. Applicants with dual citizenship must declare their status – they decide if they want to study as Polish or international students. Current information for candidates to BSc and MSc programmes are available through the University website <http://www.pw.edu.pl/engpw/Admissions>

### Citizens of EU or EFTA countries + holders of Polish Charter

Citizens of foreign countries applying for studies in English at the Warsaw University of Technology on the same conditions as citizens of Poland must register at the registration portal [rekrutacja.pw.edu.pl](http://rekrutacja.pw.edu.pl) and select a desired programme of studies. Next, an application fee of 85 PLN must be paid into an individually given bank account, which will be accompanied by the confirmation of registration. Decision of acceptance for the first cycle (BSc) programme depends on the timeliness and completeness of submitted documents. Second cycle (MSc) programme applicants will additionally be verified by the results of analysis of their BSc studies documents.

### Citizens of NON- EU and NON-EFTA countries

Citizens who are not from the EU or EFTA countries should create a personal account at online application system [www.cwm.pw.edu.pl/apply](http://www.cwm.pw.edu.pl/apply). The whole application & admission process is run online only.

If you apply to first degree BSc study, after creating an account in the Application System you need to upload **Entry Documents** required to start application. They are: Secondary School Leaving Certificate + transcript of records, Passport photo page and €200 application fee. One €200 payment allows you to apply consequently up to three programmes in the current application session.

Entry Documents are verified by officers from International Students Office (ISO).

Once your Entry Documents get verified positively by ISO, you will be given an access to **online Placement Test**. The online test allows us to assign you to appropriate study path. The test checks your knowledge of English and mathematics and is done online only. The result of the test does not determine the admission.

If the result of the test is not satisfactory, don't worry. We know from experience that the educational systems around the world vary a lot. To fill this gap we will invite you to Foundation Year, which will prepare you to study at WUT.

**Foundation Year** is a two semesters introductory course to first degree studies. It is a form of entry to the University which later on makes your studies easier and helps you to fit in. Candidates who decide to participate in the Foundation Year will receive a conditional acceptance letter onto the chosen BSc programme. After the successful completion of the Foundation Year and submitting all the required formal documents, students will begin studies at the selected Faculty. The Foundation Year consists of 8 Modules: Mathematics, Physics, Chemistry, Introduction to Information Technologies, Introduction to Engineering,

English for Engineers, Polish for Foreigners & Polish Culture. The objectives are: to fill the gap between students' current level of qualification and knowledge and the level needed to continue their studies at WUT, to help students coming from different education systems around the world to align their existing qualification to the Polish education system and become eligible for admission/and become prepared to continue their studies at WUT. Participants will be assigned a place in one of the University's dormitories. More information about Foundation Year is available at: <http://www.sjo.pw.edu.pl/wut/about-fyp/>

If the result of the placement test is satisfactory you will get a Conditional Acceptance Letter which will allow you to start studies after uploading the **Admission Documents**. In case of negative decision of the Faculty your application will be sent to the next programme of your choice indicated in the online Application System.

**The Admission Documents are:**

1. Legalization / apostille of Secondary School Leaving Certificate
2. Eligibility / Migration Certificate
3. English Language International B2 Certificate
4. Tuition fee for the first year of studies

When all Admission Documents are accepted you can request a Letter for Visa.

You must legalize your original Certificate of Secondary Education. Both, legalization or apostille (same thing) certifies your document to be used for legal purposes abroad. Getting it depends on the country where the document was issued - not your nationality. Documents from countries which signed Hague Convention for Foreign Public Documents get an apostille. Documents from countries that have not signed the Convention must have legalization. It can be done at Polish Embassy or Consulate in your home country and/or at the appropriate government office.

As a general rule, our University requires candidates to present a valid certificate confirming knowledge of English language at least on level B2 from institutions/examination boards (for example International English Language Testing System IELTS — at least 6 points).

If you apply to second degree MSc study, after creating an account in the Application System you need to upload **Entry Documents** required to start application. The entry documents for MSc study are:

- ▶ Bachelor Diploma in Science + transcript of records
- ▶ Passport photo page
- ▶ €200 application fee

One €200 payment allows you to apply consequently up to three courses in the current application session.

Once your Entry Documents get verified positively by ISO, your online file will be sent to the Faculty for admission. It takes maximum 30 days to get the decision.

You will get a Conditional Acceptance Letter which will allow you to start studies after uploading the Admission Documents. In case of negative decision your application will be

sent to the next programme of your choice indicated in the online Application System.

After getting positive decision you must upload **Admission Documents** required from a candidate to be officially admitted and to start studies:

1. Legalization / apostille of Bachelor Diploma (B.Sc.)
2. Copy of Secondary School Leaving Certificate
3. Eligibility / Migration Certificate
4. English Language International B2 Certificate
5. Tuition fee for the first year of studies

When all Admission Documents are accepted you can request a Letter for Visa.

You must legalize your original BSc Diploma and present a valid certificate confirming knowledge of English language at least on level B2 (IELTS at least 6 points).

More information about admission procedure, required documents, student housing, bank accounts and other useful information is available at International students portal: [www.students.pw.edu.pl](http://www.students.pw.edu.pl)

## ACCOMMODATION

Warsaw University of Technology offers places in 12 dormitories. All dormitories are located around central campus. Cost of dormitories is **around €100 per month**. Most rooms are double or triple. There are only few single rooms available.

Accommodation process is run by a special section of Students Union - Accommodation Commission. Whole process is run via online system **SEKS2** (<https://kwaterunek.sspw.pl/>). Accommodation Commission is responsible for:

- assigning incoming students to places in dormitories
- keeping future residents informed about their status
- solving issues involved with accommodation during academic year
- reservation of places for incoming sessions

**Rooms are not guaranteed!**

**BANK OF PLACES** is an office gathering information about all available rooms in our University's dormitories during academic year.

Throughout the year, Bank of Places serves as a reception office for students and people visiting our University eg. student's parents.

More information about student housing is available at International Students portal [www.students.pw.edu.pl](http://www.students.pw.edu.pl)

## Contact

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## UNIVERSITY CENTRAL CAMPUS



1	Main Building	9	Administration Building
	Rector's Office		Faculty of Administration and Social Science
	Main Library	10	Canteen
	Centre for International Cooperation	11	Faculty of Electronics and Information Technology
	International Student's Office	12	Faculty of Architecture
	Foreign Language Centre	13	Faculty of Civil Engineering
	Faculty of Geodesy and Cartography	14	Student Dormitory "Riviera"
2, 2a	Faculty of Chemistry	15	Centre of Physical Education and Sport
3	Faculty of Transport	16	Medical Centre
4	Business School of WUT	17	Student Dormitory "Mikrus"
5, 5a	Faculty of Power and Aeronautical Engineering	18	Faculty of Chemical and Process Engineering
6, 6a	Faculty of Electrical Engineering	19	Student Club "Stodola"
7	Faculty of Physics	20	Stadium "Syrenka"
8	Faculty of Building Services, Hydro and Environmental Engineering	21	University Hotel

# Bioeconomy

## Environmental Engineering

## Environmental Protection



[www.is.pw.edu.pl](http://www.is.pw.edu.pl)

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