



SZKOŁA GŁÓWNA  
GOSPODARSTWA  
WIEJSKIEGO

# SGGW for International Students

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Study Offer 2024/2025





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# Warsaw University of Life Sciences (SGGW)

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SGGW is one of the largest and the most prestigious universities in Poland. It educates nearly 16,000 students in 41 study programs (including 12 taught in English) - from veterinary medicine, through economics and computer science, to civil engineering. It employs 1,200 academic teachers, offers a modern campus and excellent learning conditions.

As befits a modern 21st century university, the campus provides students with everything they need. On the beautiful campus in the heart of green Ursynów in Warsaw, you can live, study and spend time with friends. On site you will find: the cult Dziekanat club, a swimming pool, sport halls, playfields and indoor tennis courts, tempting green lawns, where on warm afternoons and evenings you can play badminton and integrate with fellow students while grilling or watching a movie displayed on the dorm wall!

At SGGW, you'll also meet friends for life. There are nearly 4,000 places awaiting you in 11 well-equipped student dormitories. You can choose from 62 student groups, the University Sports Association, the Promni Folk Art Group and the university choir. Because shared passion connects like nothing else!

**Join us! We're looking forward to welcoming you!**

# SGGW in rankings

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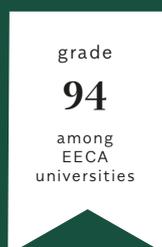
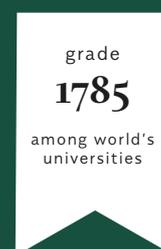
Times Higher Education World University Rankings 2022

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Webometrics Ranking of World Universities (2021)

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QS World University Rankings Eastern Europe and Central Asia (EECA) 2020

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Perspektywy University Ranking 2021

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Academic Ranking of World Universities 2021

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SGGW has been declared the number one in the rankings of life sciences universities in Poland and has always been the top of Polish universities. SGGW was acknowledged as

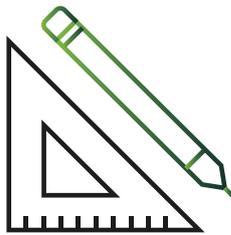
“The most innovative and creative university in Poland in creating job perspectives”.

No matter who you are or where you come from, SGGW will be the right place for your education and give an opportunity to shape your future!



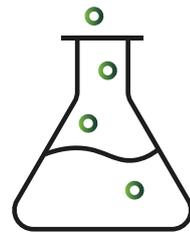
14 faculties

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41 fields of study

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1,500 didactic rooms

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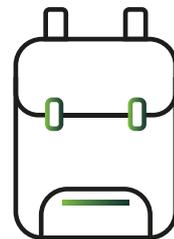
4,000 places in dorms

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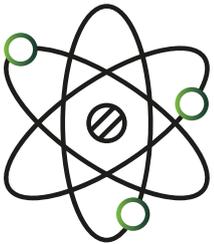
720,000 sqm campus

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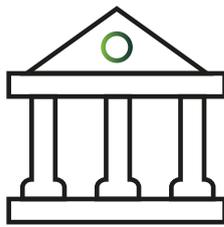
16,000 students

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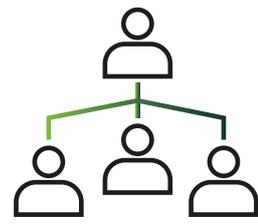
300 classrooms

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24 lecture halls

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1,200 academic teachers

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12 study programmes in English

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275 joint research and teaching with foreign universities and institutions

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475 agreements and statements with foreign universities

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# Why SGGW?

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Compared to competitive EU countries, the tuition fees in Poland are really competitive and the costs of living are much lower than costs in other European cities.

01

**A wide range of courses and programmes in English**

02

**Great location**  
center of Poland and Europe

03

**Great University Campus**  
sport centres, grocery shops, student cafeterias, and much more

04

**Very well-equipped facilities**  
modern science centres, laboratories, good environment to study and research

05

**Dormitories**  
a place in student dorms for every student

06

**WePoint**  
Welcome Point for international students and staff

07

**Mentor programme with ESN and Welcome events**

08

**Networks and Alliances**  
the Green European University – UNIGreen and Euroleague for Life Sciences – ELLS

09

**Exchange co-founded programmes**  
Erasmus+, CEEPUS, NAWA, Bilateral exchange

# Why Poland?

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## **HAS ANYONE EVER ASKED YOU WHY COME STUDY IN POLAND? HERE'S WHY:**

### **SAFETY**

Poland is an EU country and a proud member state of the NATO alliance. It is also one of the most rapidly growing economies in the world with a bank system that has remained solid for the past decades. All of this makes Poland a safe and stable environment for studying and pursuing career.

Poland ranks very high in the Global Peace Index which classified Poland as one of the safest countries in the World (currently ranked 25 out of 163 countries in total). Both locals and foreigners feel safe in Poland.

### **GREAT VALUE FOR MONEY**

Poles are proud for a long-standing tradition of their education institutions. The quality of education here remains at a relatively high level with the cost of tuition fees lower than in other European countries. Choosing Poland for your studies will guarantee you an internationally recognized diploma for a reasonable price, and since Polish higher-education institutions adopted the Bologna Process, new study opportunities await you after your bachelor's degree. As the cost of living here is also lower, studying here will allow you to afford more for less.

### **GREAT TRAVEL HUB**

Located at the heart of Europe, Poland connects East and West making it easy to access any travel destination in Europe and beyond. There is an international airport in almost every major city.

### **JOB OPPORTUNITIES**

Poland has one of the lowest unemployment rates in the EU. Major cities allow access to a dynamic labor market with many companies offering flexible working hours for students.



Holders of a student visa or Temporary Residence Permit are allowed to work legally in Poland. Moreover, Polish universities' alumni are exempt from obtaining a work permit to pursue career after graduation and have a possibility to stay in the country for 9 months to look for a job.

### **ENGLISH WIDELY SPOKEN**

English is widely taught in Polish schools. For the past decade, children have been required to learn at least one foreign language at primary school with English being first choice for most of them. Statistically, around 40% of Poles speak English to some degree.

### **ACTIVE AND FUN STUDENT LIFE**

Poland is a relatively big country with many cities that offer a unique study experience. Student life here consists of many fun celebrations as well as solemn ones like Inauguration Day. The most anticipated celebrations are Juwenalia when students literally take over the city that they study in and are handed the symbolic "keys to the city" by its mayor. For the next day, outdoor festivals and all kinds of parties take place.

### **VIBRANT CULTURE**

With its 1000- year-old history Poland has developed rich traditions and abundant cultural heritage. This legacy includes natural and historical sites with 17 of them listed as World Heritage Sites by UNESCO. Cracow or Wieliczka Salt Mine are some of the best destinations for a short weekend trip. Make use of your time here to explore this exceptionally diverse country from the Baltic coast in the north to the Tatra Mountain in the south.

### **AN EMERGING FOODIE DESTINATION**

Poland is also a top culinary destination with many fine restaurants including Michelin-recommended ones. Most restaurants in Poland offer both traditional and vegan options. The best traditional Polish foods are "pierogi" and "żurek soup" which was selected as the second-best soup in the world.

## TAKE A GLIMPSE ON POLAND

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### Name

Republic of Poland (Poland)

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### Population

37 698 000

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### Official language

Polish

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### Major cities

Warsaw (capital), Cracow, Wroclaw, Gdansk, Poznan, Lodz, Szczecin

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### Political system

Parliamentary Republic

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### Time zone

Central European time zone (GMT+1/UTC+1 hour)

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### Currency

1 zloty (PLN)

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### Country code

+48

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### Power plugs

230 V / 50 Hz

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### Membership to international organizations

The European Union (EU)  
The Schengen Area  
The United Nations (UN)  
The North Atlantic Treaty Organization (NATO)  
The International Monetary Fund (IMF)  
The United Nations Educational, Scientific and Cultural Organization (UNESCO)  
The United Nations International Children's Emergency Fund (UNICEF)  
The World Health Organization (WHO)  
The Organization for Economic Development (OECD)

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### DISCOVER MORE ABOUT POLAND HERE:

<https://polska.pl/>

<https://culture.pl/en>

<https://www.poland.travel/en>

<https://culture.pl/en>

# Why Warsaw?

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## **TOP REASONS TO CHOOSE WARSAW FOR YOUR STUDIES:**

### **LARGE ACADEMIC CENTRE**

Warsaw is home to 68 state universities and non-public higher education institutions with majority of them belonging to the most prestigious establishments of this type in Poland. The city also benefits greatly from the presence of the Polish Academy of Sciences being the main coordinator of research in the country. Thanks to the presence of many prominent education institutions, the city offers access to well-supplied university libraries, including specialist ones. The access to all public libraries is free of charge.

### **EASY TO MOVE AROUND**

Public transport in Warsaw is well developed and accessible. The city is covered with a network of bus and tram routes and has an underground rail system which connects two sides of the city. Warsaw is also proud to be a European leader in implementing ecological solutions in public transport including the use of electric, hybrid and gas buses.

New technologies are also making their way into the city-bikes and electric scooters rentals are available and easy to use since cycle paths are 720 km long and still growing.

### **SIGNIFICANT JOB MARKET**

Warsaw attracts many companies and maintains its position as one of the best places to invest. This has resulted in the development of an attractive labor market that allows students here to find additional employment or career opportunities.



## **CULTURAL CENTRE OF POLAND**

Warsaw will inspire you to explore history, art and culture. The city is home to over 60 museums and 26 theatres. Visiting the Warsaw Old Town or strolling around the Nowy Świat street thoroughfare is also a must. Every year Warsaw hosts dozens of music festivals with the Orange Warsaw Festival, Wianki nad Wisłą summer festival being only a few of them.

## **A SAFE PLACE TO LIVE AND STUDY**

Safety is a major factor to consider when studying abroad. In general, Warsaw is considered a safe and friendly place for both locals and foreigners. For the past decades, crime rates in Warsaw have remained very low.

## **A GREEN CITY**

Warsaw is covered with many parks providing recreational facilities and a space to accommodate many outdoor activities and events. You can rent a Veturilo city bike at over 300 stations. Bicycles are available 24/7.

## **COMFORATABLE LOCATION**

Thanks to the presence of the Warsaw Frederik Chopin Airport located within the city, Warsaw is well connected to the most popular European destinations like Prague (640 km) or Berlin (575 km). Close to the city, there is also the Modlin Airport mostly dominated by a cheap flight companies, offering inexpensive flight deals to the most desirable locations in Europe and beyond.

Warsaw is located in central Poland and is in itself a travel hub through which runs a railway and bus system connecting the whole country.

## **AFFORDABLE DESTINATION**

Despite an increase in popularity among foreigners in recent years, Warsaw remains a relatively inexpensive city to live in. Obviously, living costs depend largely on the standard that you expect but on average the amount of 2300-2800 PLN per month will allow you to get by.

International students outside the EU/EFTA countries are expected to have a minimum amount of 776 PLN per month to apply for a Temporary Residence Permit.

## **AVERAGE LIVING COSTS IN WARSAW, POLAND (2023)**

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**Food 4,5 PLN bread**

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**12 PLN 12 eggs**

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**32 PLN meal in a fast-food restaurant**

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**45 PLN basic lunchtime meal**

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### **Housing**

- \* 750 PLN/month single room in a university dormitory including electricity, utility bills, WiFi
  - \* 550 PLN/month shared room in a university dormitory including electricity, utility bills, WiFi
  - \* 1200 PLN/month shared flat excluding utility bills, electricity, WiFi
  - \* 2200 PLN/month studio apartment excluding utility bills, electricity, WiFi
- 

### **Public transport**

- \* Free of charge first 20 minutes of using the Veturilo Bike Rental
  - \* 4,40 PLN (full price) 75-minute ticket
  - \* 2,20 PLN (reduced price) 75-minute ticket
  - \* 110 PLN (full price) 30-day ticket
  - \* 55 PLN (reduced price) 30-day ticket
  - \* 42 PLN taxi trip on a weekday (8 km)
- 

### **Leisure & Going out**

- \* Free of charge leisure on SGGW campus
  - \* 18 PLN cappuccino in downtown Warsaw
  - \* 65 PLN two tickets to the cinema
  - \* 155 PLN monthly gym membership
- 

### **Private healthcare**

- \* 160 PLN GP visit
  - \* 220 PLN dentist visit
  - \* 220 PLN Physiotherapy (45-minute visit)
-

# International academic exchange?

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## INTERNATIONAL ACADEMIC EXCHANGE? CERTAINLY!

As an SGGW student, after the first year of first-cycle studies, you can take part in the international student exchange. SGGW student is also a student of The Green European University (UNGreen), composed of universities from Belgium, Bulgaria, France, Spain, Iceland, Portugal, Poland and Italy. UNGreen focuses on sustainable agriculture, green biotechnology and life sciences

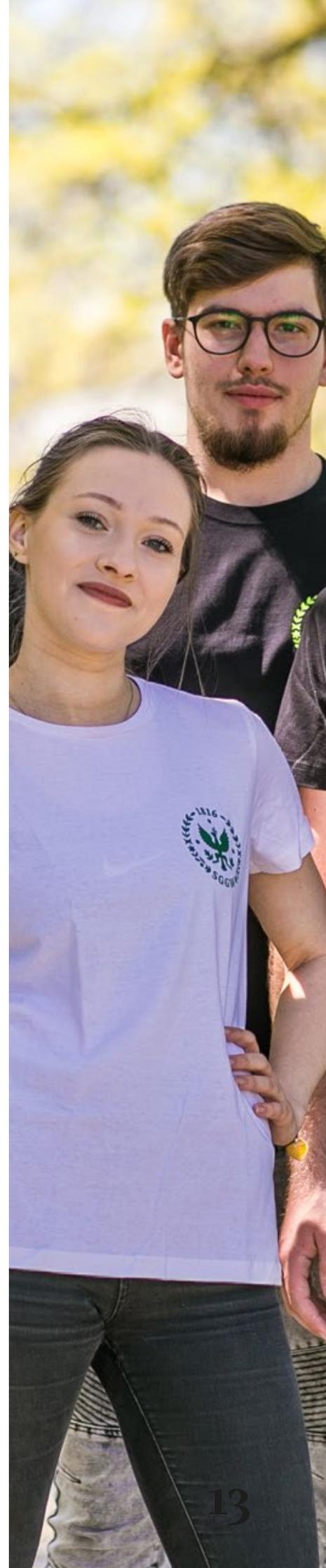
### **UNGreen will enable you to:**

- complete exchange studies at partner universities,
- participate in the UNGreen integration events, summer schools and short, intensive programs combining physical mobility and a remote learning,
- use e-learning.

International student exchange programs – the Erasmus+ program, the CEEPUS program, the bilateral exchange program give the opportunity to carry out part of studies at over 200 EU and non-EU universities. During your studies, you can also take part in training and internships in institutions, enterprises and non-profit organizations abroad.

### **Be mobile and you will:**

- receive an attractive scholarship and travel co-financing,
- gain knowledge, professional experience and new competencies,
- improve your language skills,
- learn about new cultures and customs,
- make new friends and experience an unforgettable adventure.





SGGW is also a member of the Euroleague for Life Sciences (ELLS) – a network of 10 European universities cooperating in the field of natural resource management, agricultural and forestry sciences, life sciences, veterinary medicine, food sciences and environmental sciences.

While studying at SGGW, you have the opportunity to take part in summer schools and student conferences organized by ELLS, during which you can present the results of your scientific work.

Stay in touch and visit our website and Facebook for up-to-date information on international mobility. We offer consultations and organize information days.



# Erasmus Student Network

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As part of the Erasmus Student Network, we truly care for the integration of incoming students with the academic community. The University has one of the most active ESN sections in the country which provides support and various events and activities so that everyone can easily settle in the campus, as well as in the city. Our aim is to make a contribution to creating a friendly multicultural community and spread universal values.

# WePoint

Welcome to SGGW

## WePoint – Welcome to SGGW supports SGGW international community

WePoint welcomes students, employees and guests coming to SGGW either for a short-term visit or to pursue a full-time degree studies or employment. Our staff offers support in the adaptation process in relation to studying, working and living in Poland so that you can get off to a good start here.

We are focused on providing ongoing support for foreigners in the following aspects of their adaptation:

- delivering information about university, the city of Warsaw and Poland in general,
- providing support in the process of legalizing stay in Poland & presenting health insurance options for foreigners,
- enhancing integration between international and local students and staff by organizing trainings and events aiming at overcoming cultural and language barriers,
- shaping the attitude of openness in the academic environment.

WePoint is located in the building of the SGGW Main Library.

Detailed information  
can be found at:



WePoint  
Welcome to SGGW



# Student life

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**The Folk  
Art Group Promni**



**Academic Choir**



**SQER Dance**



**Academic Sports  
Association**

# Modern sports facilities

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**Indoor swimming pool**



**Gym**



**Sport halls**



**Hippotherapy Center**



**Indoor tennis courts**



# Biotechnology

## Degree

Bachelor of Engineering

## Duration

7 semesters

## Beginning from

October

## Number of ECTS required to complete the studies

210 ECTS

## Aim of the programme

Biotechnology is a multidisciplinary field of study that combines knowledge from life sciences and engineering. Its primary goal is to utilize living organisms in product development, testing, and manufacturing. In addition to general topics, students have the option to specialize in plant, animal, and microorganism biotechnology, which equips them with practical and theoretical knowledge. Our objective is to provide a strong foundation for future careers in the food and pharmaceutical industry, diagnostics, plant breeding companies, research institutions, and various other sectors. We place particular emphasis on cutting-edge topics such as bioinformatics, genomics, nanobiotechnology, and genetic engineering. Upon graduation, students will possess the skills to plan and execute biotechnological experiments and processes, as well as generate, interpret, and report high-quality biological data. They will also be adept at evaluating the suitability of specific methods and devices.

## Entry requirements

- the results from a secondary school final examination (maturity examination) – subjects: biology and one of the subjects to choose from: mathematics or chemistry or physics;
- confirmed knowledge of English language at minimum B2 level (the list of documents honored in the recruitment process is available on the university's website).

## Main mandatory subjects:

### 1 Year

General and physical chemistry, Botany, Animal anatomy, Mathematics, Physics and biophysics, Information technologies, Organic chemistry, Cell Biology, Animal histology, Ecology, Design thinking.

### 2 Year

General genetics, Biochemistry, General microbiology, Plant physiology, Animal physiology, Physiology of microorganisms, Engineering of biotechnological processes, Molecular biology, Basics of genetics and animal breeding, Enzymology and Biochemical technics, General virology.

### 3 Year

Genetic engineering, Basics of bioinformatics, Design and development of technological lines, Biotechnological methods in environmental protection, Physiomics, Immunology, Cell and tissue cultures, Industrial biotechnology, Social and legal aspects of biotechnology, Statistics.

### 4 Year

Chemical safety, Seminar, Graduation workshop, Professional practice.

### 1-4 Years

Each year there is a variety of facultative subjects covering specific biotechnology related topics.

## Internship, practice

Student is obliged to complete practice (160 h/4 weeks).

## Career prospects

The alumni of FSTN can find jobs in:

- Pharmaceutical industry;
- Crop improvement companies;
- Clinical research;
- Food industry;
- Diagnostics laboratories;
- R&D institutions;
- Public administration related to above mentioned.





FACULTY OF APPLIED INFORMATICS AND MATHEMATICS

# Informatics and Econometrics

SPEC. BIG DATA ANALYSTIC

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## Degree

Master's Degree

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## Duration

4 semesters

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## Beginning from

October

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## Number of ECTS required to complete the studies

120 ECTS

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## Aim of the programme

The Big Data Analytics specialization is focused mainly on methods of analysis of the massive datasets. Within this specialization the students will get acquainted with the technologies used for storing, processing and analyzing large data sets and with other quantitative methods of economic analysis, the computer science tools and their practical application. The students will acquire practical skills in building analytical solutions on Big Data platforms. They will become familiar with distributed and parallel processing systems. They will learn how to use basic tools to visualize large data sets. The specialization is focused on the use of high level programming languages, as well as on the design and programming of the databases. The graduates will be able to incorporate the available methods and tools into the computer analysis systems.

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## Entry requirements

- diploma of first cycle studies (Bachelor's degree or equivalent) in the field of Informatics and Econometrics, Informatics, Economics, Finance and Accounting, Logistics;
- diploma of related field of first cycle studies (Bachelor degree or equivalent), for which the effects of education are convergent with the learning outcomes expected from candidates;
- in case of number of candidates exceeding the admission limit – the average grade from first cycle studies is taken into account;
- confirmed knowledge of English language at minimum B2 level (the list of documents honored in the recruitment process is available on the university's website).

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## Main mandatory subjects:

### 1 Year

Mathematical Economics, Dynamic and Financial Econometrics, Microeconometrics, Multidimensional Data Analysis, Operational Research – Applications, Survey Sampling, Software Engineering, Network Services, Foundations of Artificial Intelligence, Advanced Programming, Network Security, Oracle Databases, Processing massive datasets.

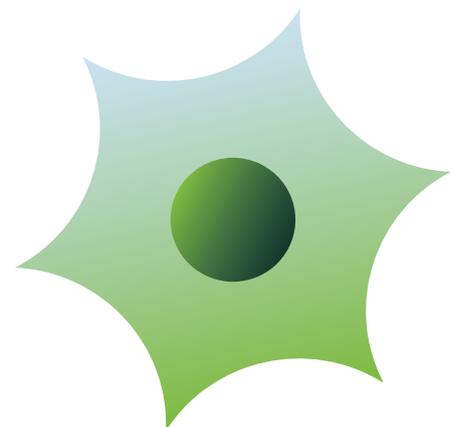
### 2 Year

Theory of Forecasting and Simulations, Basics of Financial Engineering, Advanced data exploration techniques for big data, Deep Learning Methods, Statistical Analysis in the Market Research, Event history analysis, Project Management, Intellectual Property Management, Selected Issues in Sociology and Psychology, Business Ethics.

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## Career prospects

The Big Data Analytics specialization prepares future analysts of massive datasets that are stored in companies and economical institutions, such as banks, stock markets, telecommunications companies etc.





# Engineering Infrastructure

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## Degree

Master's Degree

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## Duration

3 semesters

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## Beginning from

February/March

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## Number of ECTS required to complete the studies

90 ECTS

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## Aim of the programme

The primary mission of the study is to ensure the highest quality in transferring the advanced knowledge to graduates, and provide the best understanding of Engineering Infrastructure challenges. Those issues certainly require the application of analytical, decision making, and critical thinking skills, that the students will develop during their studies. This will be achieved by delivering the best quality taught modules in topics such as structural design and geotechnical engineering.

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## Entry requirements

- diploma of first cycle studies (Bachelor of Engineering or equivalent) in the field of Civil Engineering;
- diploma of related field of first cycle studies (Bachelor of Engineering or equivalent), for which the effects of education are convergent with the learning outcomes expected from candidates;
- in case of number of candidates exceeding the admission limit – in the first place the graduates from first cycle studies in Civil Engineering will be admitted based on the average grade from first cycle studies; in the second place the graduates from first cycle studies in related fields of study will be admitted based on the average grade from first cycle studies;
- confirmed knowledge of English language at minimum B2 level (the list of documents honored in the recruitment process is available on the university's website).

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## Main mandatory subjects:

### 1 Year

Foreign language, Hydraulic structures, Environmental Hazard Assessment, Mathematics, Theory of elasticity and plasticity, Structural mechanics, Geotechnical engineering in urban and transportation infrastructure, 2 additional subjects to be chosen by the student.

### 2 Year

Complex steel structures, Construction process management, Construction- executing and process planning, Finite Element Methods (computation methods), Construction law and investment processes regulations, Advanced foundation engineering, Complex concrete structures, Timber structures, BIM in civil engineering, Diploma seminar, Intellectual property management.

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## Internship, practice

The possibility of implementing an internship (e.g. in research units) as a part of research project.

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## Career prospects

The course will equip students with a range of transferable skills, and an ideal combination for a leading career in civil engineering. It will allow demonstrating the ability to work independently on a complex topic and demonstrate initiative in the solution of engineering challenges.





FACULTY OF ECONOMICS

# Finance and Accounting

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## Degree

Master's Degree

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## Duration

4 semesters

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## Beginning from

October

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## Number of ECTS required to complete the studies

120 ECTS

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## Aim of the programme

The specialization has been established to provide students with the theoretical and practical foundations of finance and accounting and acquire the necessary knowledge in the field of economics, marketing and management. Students acknowledge the principles of operation of economic entities and the relations between these entities and other institutions that create an economic environment, both on a national and international scale. They get acquainted with the regularities and effects of human economic activity. They learn how to develop individual entrepreneurship using various methods and techniques used in research in economic sciences.

The aim is to provide students with the most up-to-date knowledge that will cover the current social needs and challenges of the labour market.

## Entry requirements

- diploma of first cycle studies (Bachelor's degree or equivalent) in the field of Finance and Accounting, Economy, Management;
- candidates with the diploma in another related field of first cycle studies take the competency test;
- in case of number of candidates exceeding the admission limit – the average grade from first cycle studies is taken into account;
- confirmed knowledge of English language at minimum B2 level (the list of documents honored in the recruitment process is available on the university's website).

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## Main mandatory subjects:

### 1 Year

Monetary policy, credit institution management, forecasting and simulation, cost accounting, risk theory, financial law, dynamic and financial econometrics, controlling in a bank, managerial accounting, intellectual property management, financial reporting, financial consulting, financial engineering, international finance, investment portfolio, advanced financial accounting, IT systems in financial institutions, tax accounting, diploma seminar.

### 2 Year

Contemporary theories in finance, international accounting, facultative subjects (8 of them during 3rd and 4th semester), diploma seminar.

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## Career prospects

Students gain advanced knowledge in the field of finance and accounting, the functioning of financial institutions. They get the ability to analyze basic economic phenomena and the economic and financial situation of economic units. The graduates are prepared to work in enterprises, organizations and public and non-governmental institutions, including financial institutions. They also gain the necessary knowledge and skills to run a business independently.





FACULTY OF FOOD TECHNOLOGY

# Food Science – Technology and Nutrition

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## Degree

Bachelor's Degree

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## Duration

6 semesters

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## Beginning from

October

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## Number of ECTS required to complete the studies

180 ECTS

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## Aim of the programme

„The mission of the bachelor programme of Food Science – Technology and Nutrition is to provide students with the most up-to-date knowledge and skills in the field of food technology, food processing and nutrition. The programme offers the students a high number of contact hours including a significant proportion of practical laboratory activities with experiments conducting in groups or individually. The courses for students are diversified and are carried out in the form of lectures. In addition to knowledge related to technological processes and human nutrition, graduates will be able to identify chemical, biological and physical hazards during food production, processing, distribution and storage. The proposed study offer focuses on the organization of technological processes, especially on the high-quality products and the implementation of processes with the use of the most modern and innovative techniques, standards and sustainable food systems, as well as allows to acquire knowledge and skills regarding the well-balanced human nutrition in health maintaining.

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## Entry requirements

Qualification based on:

- the results from a secondary school final examination (maturity examination) – subjects: Biology or Chemistry or Mathematics;
- confirmed knowledge of English language at minimum B2 level (the list of documents honored in the recruitment process is available on the university's website);

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## Main mandatory subjects:

### 1 Year

General chemistry, Biology, Basic statistics, Mathematics, Information technology, Food raw materials, Nutrition, Polish culture, Food chemistry, General and food microbiology, Introduction to food processing, Introduction to human nutrition, Sustainable food systems, Engineering graphics, Physical education, Polish for foreigners, Foreign language.

### 2 Year

Biochemistry & enzymology, Basics of human anatomy and physiology, General food technology, Food production equipment and engineering, Instrumental methods of food analysis, Plant-origin food technology, Basics of food engineering, Advanced human nutrition, Pathogens in water and food, Animal-origin food technology, New food product development, Food additives, Sensory analysis, Consumer behavior, Food biotechnology, Physical education.

### 3 Year

Food production hygiene, Catering technology, Food packaging and contact materials, Basics of dietetics, Nutrition of selected population groups, Technological design of food industry plants, Technological design of food gastronomy plants, Food safety and quality management in food production, Food safety and quality management in gastronomy, Technological/Nutritional project, Seminars, Protection of intellectual property, Electives<sup>1\*</sup>, Electives<sup>2\*\*</sup>.

\* i.e., Carcinogens in food, Alcoholic beverages and human being, Drugs, medicines and smart food components and additives, Dietary prevention, Alternative diets, Diet, environment and health;

\*\* i.e., Bioengineering in food industry, Cutting-edge technologies in food industry, Design thinking in food industry, Drying, Food preservation monitoring, Herbs, food and health, Physical properties of food, Prevention of food quality, Public health nutrition.

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## Career prospects

The alumni of FSTN can find jobs in:

- engineering and technology positions in companies operating in the food industry,
- food processing plants, as well as in enterprises dealing with quality and safety management in the food chain,
- enterprises developing and supplying new technological solutions to food industry plants,
- consulting companies, commercial laboratories, food distribution and logistics,
- R&D institutes,
- companies responsible for diet planning and catering,
- facilities disseminating professional knowledge about food and human nutrition and in many other institutions of the food chain.



FACULTY OF FORESTRY

# Forest Information Technology

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## Degree

Master's Degree

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## Duration

4 semesters

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## Beginning from

October

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## Number of ECTS required to complete the studies

120 ECTS

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## Aim of the programme

The Forest Information Technology (FIT) is a Master's study programme implemented in cooperation between the Eberswalde University for Sustainable Development, and the Warsaw University of Life Sciences.

Digital, smart, and innovative technologies have found their way into forestry and natural resource management, and are there to stay. Therefore, FIT focuses on fundamental and applied knowledge of environmental information technologies and Green Information Technologies (Green IT) applications in the global forestry context.

Graduates are experts in the application of modern information technologies in the forest and environmental sector and can solve problems in silvicultural practice as well as spatial information and data management. The certificates of degree are issued by the two enrolling partner universities. Both diplomas enable entering various European and international job markets with a focus on digital technologies or sustainable natural resource management and empirical ecological research.

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## Entry requirements

- diploma of first cycle studies (Bachelor degree or equivalent in the field of Forestry).
- diploma of related field of first cycle studies (Bachelor degree or equivalent), for which effects of education are convergent with the learning outcomes expected from candidates;
- confirmed knowledge of English language at minimum B2 level (the list of documents honored in the recruitment process is available on the university's website);
- In case of number of candidates exceeding the admission limit-in the first place the graduates from first cycle studies in Forestry will be admitted base on the average grade from first

cycle studies, in second place the graduates from first cycle studies in related fields of study will be admitted base on the average grade from first cycle studies

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## Main mandatory subjects:

### 1 Year

**1st Semester:** Eberswalde University for Sustainable Development; covers principles of innovative Forest-IT and environmental information technology (main mandatory subjects: Principles of GIS and Remote Sensing, Applied Programming in Forestry).

**2nd Semester:** Warsaw University of Life Sciences; focuses on the application of information technologies (IT) in forest and environment related subjects and forest management topics (main mandatory subjects: GIS in forest practice, Digital Processing of Remotely Sensed Data, Forest inventory and modelling).

### 2 Year

**3rd Semester:** During the 3rd semester at either location FIT students pursue an independent research project framed by a range of elective modules topics (main mandatory subjects: Research project).

**4th Semester:** During the 4th semester at either location students work on their Master thesis supplemented by further elective modules main mandatory subjects: Master thesis & defense, (Research Colloquium).

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## Internship, practice

The possibility of implementing an internship (e.g. in research units) as a part of research project.

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## Career prospects

Graduated FIT students are ready to compete on a diversified but also on a highly specialized job market of Green IT and environmental data analytics, natural resource management and applied research in the forest and environmental sector in Europe or beyond. FIT graduates hold a double degree certificate from two European higher Education Institutes, the Eberswalde University for Sustainable Development and the Warsaw University of Life Sciences. Both certificates enable entering various European and international job markets with a focus digital technologies or sustainable natural resource management and empirical ecological research using digital data and forest and environmental management, ecological consultancy and others. Master certificates issued by the two universities are an accepted prerequisite for continuing your studies as a PhD student or entering any other doctoral degree programme.

**Recruitment:** Candidates are recruited both by Eberswalde University for Sustainable Development, and the Warsaw University of Life Sciences.



FACULTY OF ECONOMICS  
**Management**

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**Degree**

Bachelor's Degree

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**Duration**

4 semesters

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**Beginning from**

October

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**Credits obtained**

Bachelor diploma, 120 ECTS

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**Aim of the programme**

The study program includes statistics, organization science, corporate finance, law, microeconomics, macroeconomics, accounting and marketing.

Graduates of natural sciences, understood in a broad sense, i.e. biology, environmental protection, forestry, agriculture, horticulture and related disciplines, will be able to get acquainted with horticultural sciences thanks to the fact that the construction of the study programme in the scope of compulsory subjects includes content systematizing knowledge of horticultural sciences have both knowledge and skills on the integrated and organic horticulture including modern production technologies, pest management, and quality evaluation of horticultural products, followed by the issues of the environmental protection. They are able not only to organize work in the agribusiness, but also implement the scientific and technical progress in the horticultural sector, especially concerning methods of modern plant biotechnology. The students become familiar with the versatility of applications of the results of scientific work in horticultural science, e.g. in the cultivation, care, welfare and production of horticultural plants, the impact of this production on the environment. Very important is the role of horticultural sciences in shaping pro-environmental CSR - ESG attitudes and the impact of horticultural sciences on environmental policy and levelling the effects of environmental degradation. Horticulture in the 21st century is a response to the challenges posed by a growing human population and the associated growing demand for food, the form of which, due to ongoing negative environmental and climate changes, is changing towards an increasing proportion of plant products in the diet.

These studies develop competencies enabling them to take up professional work as an organization and management specialist

and manager/middle management manager in enterprises, as well as to run their own business. Graduates have the skills of effective communication, negotiation, and persuasion, as well as teamwork. A special distinguishing feature of graduates is fluent knowledge of the specifics of enterprises and economic units operating in the sphere of broadly understood agribusiness, nature preservation, corporate social responsibility - ESG aspects in horticulture production on each level.

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**Entry requirements**

Graduates are prepared to:

- diploma of first cycle studies (Bachelor or Engineering or equivalent) in the field of: Horticulture, Plant Health Care,
- confirmed knowledge of English (certificate of English language at least level B2 or maturity exam in English language at an advanced level with result at least 60%, or a document confirming completion of the high school with programme in English as language of instruction).

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**Career prospects**

The alumni can find jobs in:

- work in: agribusiness enterprises, high specialized horticulture farm,
- commercial and service sector & advisory,
- various types of consulting agencies, administration on local and regional level in UE perspective,
- economic and local government organizations,
- education, research and development institutions,
- fruits and vegetables processing sector,
- landscape shaping, landscape and nature conservation & management,
- urban green areas & urban natural system specialist in planning and management,
- foreign and international institutions related to agribusiness.



FACULTY OF CIVIL AND ENVIRONMENTAL ENGINEERING

# ENVIRONMENTAL ENGINEERING

SPEC. MODERN ENGINEERING IN WATER MANAGEMENT

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## Degree

Master's degree

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## Duration

3 semesters

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## Beginning from

February/March

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## Number of ECTS required to complete the studies

90 ECTS

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## Aim of the programme

The Faculty of Civil and Environmental Engineering at SGGW, will launch the new international studies "Modern engineering in water management". The Faculty of Civil and Environmental Engineering has the aim to offer the students holistic and interdisciplinary knowledge in the area of water management and environmental engineering. Specialists from different faculties of Warsaw University of Life Sciences (SGGW) and visiting professors from abroad will present the contents.

Studies are focused on both technical and ecological aspects of the environment, emphasizing the role of the human in shaping sustainable landscapes and ecosystems. Specifically, students will obtain a complex knowledge of the integral approach in water management in the age of environmental droughts and climate change. The program is divided into three semesters and consists of lectures, seminars, workshops, laboratory and field classes.

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## Entry requirements

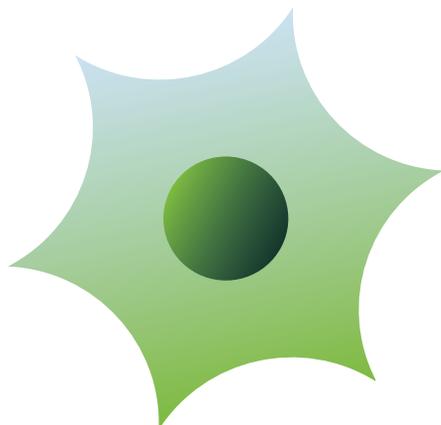
- diploma of first cycle studies (Bachelor of Engineering or equivalent) in the field of Environmental Engineering;
- diploma of related field of first cycle studies (Bachelor of Engineering or equivalent), for which the effects of education are convergent with the learning outcomes expected from candidates;
- confirmed knowledge of English language.

In case of number of candidates exceeding the admission limit – in the first place the graduates from first cycle studies in Environmental Engineering will be admitted base on the average grade from first cycle studies; in the second place the graduates from first cycle studies in related fields of study will be admitted base on the average grade from first cycle studies.

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## Career prospects

The course will equip students with a range of transferable skills, and an ideal combination for a leading career in environmental engineering. It will allow demonstrating the ability to work independently on a complex topic and demonstrate initiative in the solution of engineering challenges.





FACULTY OF AGRICULTURE AND ECOLOGY

# Organic Agriculture and Food Production

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## Degree

Bachelor's Degree

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## Duration

6 semesters

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## Beginning from

October

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## Number of ECTS required to complete the studies

180 ECTS

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## Aim of the programme

The Faculty of Agriculture and Ecology has the aim to offer the students a holistic and interdisciplinary knowledge in the area of organic agriculture and food production presented by the best specialists from different faculties of Warsaw University of Life Sciences – SGGW and from abroad. The BSc studies OAFP are constructed according to the expectations of potential employers within organic food chain. The focus is on the innovative teaching methods activating students and preparing them for future employment. The studies will offer good possibilities to develop the necessary skills and knowledge in desired specialties.

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## Entry requirements

Qualification based on:

- the results from a secondary school final examination (maturity examination) – subjects: biology or chemistry or mathematics;
- confirmed knowledge of English language at minimum B2 level (the list of documents honored in the recruitment process is available on the university's website);

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## Main mandatory subjects:

### 1 Year

Environment protection, Introduction to organic agriculture, Chemistry, Basics of botany with systematic, Agrometeorology, Global food production, Informatics, Foreign language, Sustainable food production systems, OHS training, Intellectual property protection, Sustainable development of rural areas, Agroecology, Soil science, Microbiology of soils and plants, Animals physiology and organic nutrition, Basics of plant biochemistry and physiology, Foreign language 2, Physical Education,, Basics of human nutrition.

### 2 Year

Cropping system, Plant breeding and seed material for organic agriculture, Controlling and certification system of organic production, Plant protection management in organic agriculture, Fertilization in organic system, Agricultural technologies for organic farming, Food microbiology, Raw materials and ecological products, Study trip to organic farms, Mathematical statistic, Physical Education, Organic grassland farming, Organic crops, Weeds and weed management in organic farming, Methodology of scientific research, Livestock production in organic farming, Organic vegetable and fruit production, Food safety hazards.

### 3 Year

Diploma seminar, Study trip to organic processing plant, Economics and organization of organic farms, Conversion of the farm into organic system I, Processing of organic plant raw materials, Food safety and hygiene, Ecological aspects of food and nutrition, Processing of organic animal raw materials, International agricultural markets, Herbs in organic farming, Entrepreneurship in organic business. Conversion of the farm into organic system II.

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## Career prospects

The alumni of OAFP can find jobs in organic food production, processing, trade and also in different companies connected with education, dissemination and advisory services.





FACULTY OF CIVIL AND ENVIRONMENTAL ENGINEERING

# Environmental Protection

SPEC. RESTORATION AND MANAGEMENT OF ENVIRONMENT

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## Degree

Master's Degree

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## Duration

3 semesters

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## Beginning from

February/March

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## Number of ECTS required to complete the studies

90 ECTS

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## Aim of the programme

The Restoration and Management of Environment (RME) aims at providing students with comprehensive and interdisciplinary environmental knowledge presented by the best specialists from a range of scientific areas. Studies are focused on both technical and ecological aspects of the environment, emphasizing the role of human in shaping sustainable landscapes and ecosystems. The programme is divided into three semesters. It consists of lectures, seminars, labworks and field research.

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## Entry requirements

- diploma of first cycle studies (Bachelor's degree or equivalent) in the field of Environmental Protection;
- or
- diploma of related field of first cycle studies (Bachelor's degree or equivalent), for which the effects of education are convergent with the learning outcomes expected from candidates;
- confirmed knowledge of English language at minimum B2 level (the list of documents honored in the recruitment process is available on the university's website).

In case of number of candidates exceeding the admission limit – in the first place the graduates from first cycle studies in Environmental Protection will be admitted based on the average grade from first cycle studies; in the second place the graduates from first cycle studies in related fields of study will be admitted based on the average grade from first cycle studies;

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## Main obligatory subjects:

### 1 Year

Methodology of Environmental Research, Strategy and policy in environmental conservation, Ecotoxicology, Landscape ecology, GIS modeling, Environmental processes modelling, Contaminant flow in the environment, Environmental conservation and landscape planning, Decision support systems in environmental conservation, Environmental resources valuation, Riparian ecosystems conservation, Noise protection, Mathematical statistics, Foreign language or elective, Diploma seminar I.

### 2 Year

Risk Analysis, Diploma seminar II, Master Thesis.

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## Career prospects

Careers in environmental protection involve jobs that aim in reduction of negative human pressure on natural environment, restoration of degraded ecosystems, sustainable use of environmental resources, environmental education and creating environmental policy.

Graduates will be ready to work in the fields of environmental planning and analysis, environmental policy, legislation, and regulation, natural resources conservation and management, environmental engineering and environmental education, communication and advocacy and fundraising. Possible jobs include governmental positions, coordination of environmental agencies and NGOs, environmental consulting, technologist in industry, environmental engineering, research and teaching positions in schools and universities.



# Sustainable Horticulture

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## Degree

Master's Degree

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## Duration

4 semesters

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## Beginning from

October

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## Number of ECTS required to complete the studies

120 ECTS

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## Aim of the programme

The goal is to make an educational offer of the second cycle studies in the field of General Horticulture and therefore increase chances in the Polish and international job markets. We encourage students to take part in a project offering financial support for the second cycle studies with English as the teaching language in the field of Horticulture. Presented study also improve the internationalization of the Faculty of Horticulture.

Study also provides with competencies in soft skills: problem-solving; accumulation, elaboration and critical data analysis; propagation of knowledge, working in the multidisciplinary team.

As part of General Horticulture, we offer a wide range of practical classes, including work in a modern greenhouse and analytical laboratories.

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## Entry requirements

Diploma of the first-level studies on plants (Horticulture, Forestry, Agriculture, etc.) in the field of environmental protection;

- diploma of first cycle studies (Bachelor of Engineering or equivalent) in the field of Horticulture, Plant Health Care;
- diploma of related field of first cycle studies, for which the effects of education are convergent with the learning outcomes expected from candidates;
- in case of the number of candidates exceeding the admission limit – the average grade from first cycle studies is taken into account;
- confirmed knowledge of English language.

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## Main mandatory subjects:

### 1 Year

Herbal raw materials, Plant functioning under environmental stresses, Advanced information technologies, Intellectual property, Molecular biology, Sustainable horticulture, Diploma seminar, Facultative subjects: Ornamental plants in human environment, Fruits of the world, Medicinal and aromatic plants, Applied of plant pathology, Seeds production, Dendrology.

### 2 Year

Ecotoxicology, Plant Laboratory, The microworld of fungi, Insect behavior – from mechanisms to practical issues, Modern technologies in plant production, Diploma seminar, Facultative subjects: Propagation of ornamental plants, Integrated pests management, Biological control, Breeding methods of fruit plants, Propagation of fruits plants, Plants in human diet, Breeding methods of ornamental plants.

### 3 Year

Diploma seminar, Facultative subjects: Business law, Plants' mysteries under microscope, Indoor flowers arrangements, Ecology of microorganisms, Quality evaluation of plant products, Physiological basis of vegetable and medicinal plants production.

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## Career prospects

- in horticultural production
- private agribusiness
- horticultural consulting
- raw materials and cosmetic laboratories
- education
- scientific and research institutions





FACULTY OF VETERINARY MEDICINE

# Veterinary Medicine

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## Degree

Veterinary Surgeon / Doctor of Veterinary Medicine

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## Duration

Long cycle 11 semesters master's program

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## Beginning from

October

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## Number of ECTS required to complete the studies

360 ECTS

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## Aim of the programme

Study offering for veterinary medicine through the careful and competent selection of program content provides students of long-cycle Master's degree program with:

- knowledge, skills and competences required to describe rules and mechanisms underlining animal health, diagnose disease and implement therapy in a single animals or in a herd;
  - competence in protection of public health via monitoring of animal feed, animal production, production facilities, products of animal origin and distribution and transport of animals and products of animal origin;
  - competences in soft skills: problem solving, accumulation, elaboration, critical analysis and propagation of knowledge, working in the multidisciplinary team.
- 

## Entry requirements

Candidates with Polish maturity certificate/International Baccalaureate (IB Diploma)/European Baccalaureate (EB Diploma):

- the results from a secondary school final examination (maturity examination) subjects: biology and chemistry
- confirmed knowledge of English language at minimum B2 level (the list of documents honored in the recruitment process is available on the university's website)
- Candidates with foreign certificates:
- an exam checking special predispositions to undertake studies and checking language skills at B2 level.

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## Main mandatory subjects:

### 1 Year

Anatomy, cell biology, histology & embryology, biology, chemistry, biophysics, information technology, Latin, copyrights, genetics, biostatistics, agronomy

### 2 Year

Biochemistry, physiology, animal husbandry and breeding, ethology, epidemiology, microbiology, immunology

### 3 Year

Parasitology, pathophysiology, pharmacology, clinical and laboratory diagnostics, general surgery and anesthesiology, public health, bee diseases, pathomorphology

### 4 Year

Farm animal and equine diseases, meat hygiene, pathomorphology, feed hygiene, image diagnostics, safety of animal-origin food, zoonosis, toxicology, andrology, fish diseases, ethical aspects of veterinary practice

### 5 Year

Dogs and cat diseases, dietetics, avian diseases, administration and legal aspects in veterinary, fur animal diseases, veterinary prevention, milk hygiene, clinic rotations

### 6 Year

Clinical rotations, herd health management

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## Internship, practice

Student is obliged to complete: husbandry practice (80 h/2 weeks), veterinary inspection (80 h / 2 weeks twice), clinical practice (160 h / 4 weeks twice).

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## Career prospects

- veterinary surgeon / doctor of veterinary medicine in small animals, large animals or mixed practices
- veterinary inspection / public health protection agencies
- veterinary border control
- general, medical and veterinary research (PhD studies, research companies and institutions)
- laboratory practice
- animal health protection agencies
- pharmaceutical industry

# Doctoral School of Warsaw University of Life Sciences

Education of doctoral studies are conducted at the general academic, multidisciplinary Doctoral School. Its task is to prepare students for obtaining a doctoral degree. Education lasts four years and is divided into eight semesters.

The program is dedicated to the Polish and international Ph.D students, beneficiaries of the National Agency for Academic Exchange's Scholarships who aspire to gain advanced knowledge, skills and competence in a particular academic field of study and to everyone who strive to reach a higher level of their professional career. Education may be undertaken by a person who has a master's diploma or a diploma entitling to apply for a doctoral degree issued by a given institution in accordance with the higher education regulations in force in the country of issue of the diploma.

The School's offer comprises an educational path shared by all doctoral students as well as specialist paths corresponding with particular fields of study/disciplines.

The first stage is common for all Ph.D students enabling integration and exchange of experience. In agreement with supervisors, doctoral students also commence specialist education by participating in seminars and work of particular institutes.

The second stage is partly pursued within specialist paths in the particular discipline and area of individual PhD projects. The shared part of education is expected to foster interdisciplinary perception of academic problems. Moreover, the syllabus provides for classes in English conducted via an online platform.

## **Fields of study:**

At present 12 fields of study are available:

### **Agricultural sciences:**

- \* forestry sciences,
- \* agriculture and horticulture,
- \* food and nutrition technology,
- \* veterinary medicine,
- \* zootechnics and fishery



**Engineering and technical sciences:**

- \* civil engineering and transport,
- \* mechanical engineering,
- \* environmental engineering, mining and power engineering,
- \* information and telecommunications technology

**Social sciences:**

- \* economic and finance
- \* sociology

**Exact and natural sciences:**

- \* biological sciences.

**Admission procedure:**

The recruitment process consists of the following stages:

- \* The Doctoral School prepare biographical notes on its academic staff, which let candidates become acquainted with their accomplishments, scope of research and select the supervisor. The notes are usually published on May at the Universitie's website
- \* Candidates file documents at the Doctoral School secretariat (August/ September)
- \* Recruitment interviews are held at particular institutes (September)
- \* The list of accepted candidates is published by September 30 at the latest.

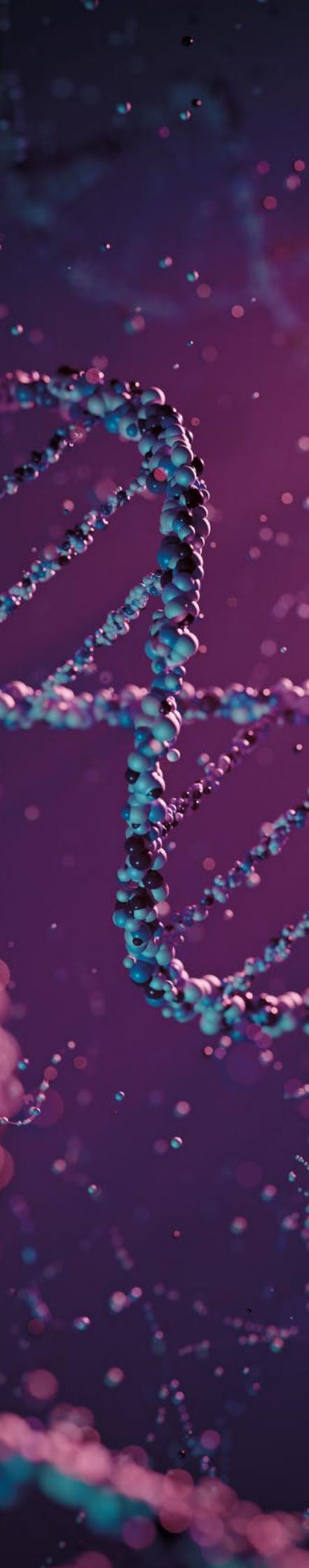
**Career paths:**

One of the main educational objectives in education of doctoral studies is to reconstruct academic staff resources. The graduate will be prepared for an independent scientific and teaching activities at universities and research institutes. In addition, doctoral studies cater for the needs of many entities related to practical activity. In this case they are carried out on the basis of cooperation agreement concluded with employer as part of implementation doctoral studies.

**What we know is a drop, what we don't is an ocean.**  
(Isaac Newton)







WARSAW  
UNIVERSITY  
OF LIFE SCIENCES

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