



UNIVERSITY  
OF WARSAW



FACULTY OF  
ECONOMIC SCIENCES



Let's make together  
ECONOMICS in Warsaw!

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# UNIVERSITY OF WARSAW

Join the community of the University of Warsaw, which holds very good positions in international comparative evaluations of the quality of education: 19 programmes provided by UW have been listed in QS World University Rankings by Subject 2024; 9 subjects run by UW were ranked in the Shanghai Ranking of Academic Subjects 2024

## | 200 years of tradition

University of Warsaw was founded in 1816 and for years has been the leading research and teaching center in Poland

## | International position

University of Warsaw is among the top 3% of the world's best universities, according to the global rankings such as Times Higher Education World University Ranking (THE), Quaquarelli Symmonds World University Ranking (QS) or Academic Ranking of World Universities (ARWU)

The University of Warsaw's community includes almost 5000 foreigners: students, doctoral students, employees and grantees of, among others, the Erasmus+ program

We take part in many international cooperation programs and are the members of many global associations. The University of Warsaw belongs, among others, to the 4EU+ European University Alliance



# FACULTY OF ECONOMIC SCIENCES – RESEARCH LEADER

The Faculty of Economic Sciences possess the highest scientific category A+ and has been, for many years, classified as the best university in the country according to the IDEAS/REPEC scientific-research ranking

## | Grants efficiency

Scientific and development work conducted at the Faculty of Economic Sciences University of Warsaw is an answer to the challenges of modern science and economy. According to the National Science Centre, the Faculty is the most effective grant applicant in Poland in the field of economics. The Faculty of Economic Sciences realises more than 60 scientific grants including 11 international with prestigious European Research Council Consolidator Grant

## | Place in global research

According to the Research Papers in Economics - RePec latest ranking, the Faculty of Economic Sciences is the best economic institution in Poland and it is among 3% of the best scientific institutions in Europe

Moreover, the Faculty's academic staff are leading researchers - 30% of the best polish economists /150 people/ are researchers from the Faculty of Economic Sciences, and one of the professors is among 2% of the best economists in the world (RePec 2024)

## | Wide range of scientific projects

The economists representing the Faculty conduct interdisciplinary research from various areas of economics and finance. From traditional fields such as: finance and economics, labour economics, law, demography and accounting to multi-disciplinary, innovative research combining psychology, ecology, digitalisation, data science or quantitative finance





# FACULTY OF ECONOMIC SCIENCES – QUALITY

The Faculty of Economic Sciences at the University of Warsaw has almost 70 years history of successes in both areas – teaching and research.

## | The best economic programs in Poland

According to the national Ranking of Universities Perspektywy 2024, Faculty of Economic Sciences conducts the best studies in the field of Economics and Informatics and Econometrics, receiving the highest scores in the category “International Accreditations” and “Alumni’s economic situation”



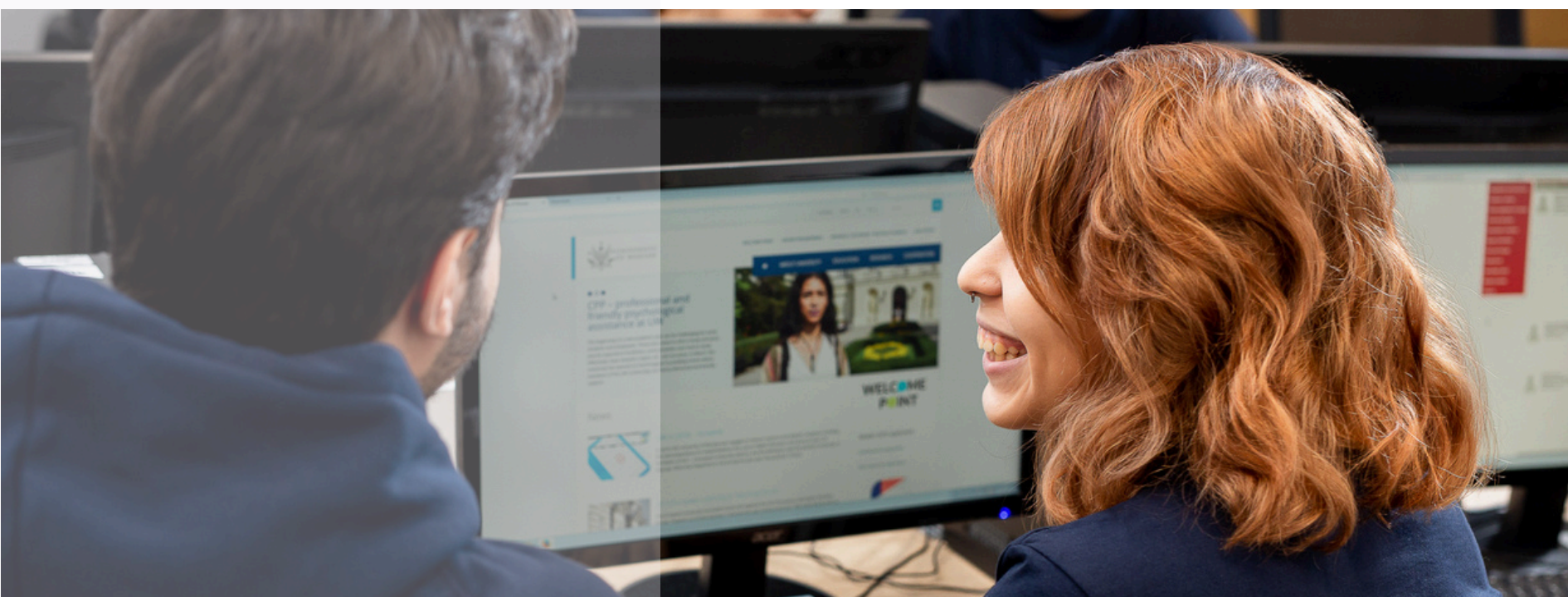
## | Studies recognized abroad

The educational offer of the Faculty of Economic Sciences is appreciated internationally, e.g. according to the Eduniversal Best Masters Ranking 2024 the programs offered by the Faculty of Economic Sciences are ranked as follows in the regional ranking that includes the countries of Central and Eastern Europe:

- Quantitative Finance program is 2nd
- International Economics and Informatics and Econometrics are on the 4th places
- Data Science and Business Analytics – 1st position

## | Studies with future

Programs offered by the Faculty of Economic Sciences are based on solid mathematical knowledge and great economic foundations, supported by practical knowledge of advanced econometric and programming e.g. SAS, STATA, R, Python, VBA, C++. Curricula of the programs offered by the Faculty include innovative, experimental learning methods such as design, simulation and case studies using e-learning platforms and computer laboratories



# FACULTY OF ECONOMIC SCIENCES – WHAT MAKES US UNIQUE?

The Faculty of Economic Sciences at the University of Warsaw is a great place to study if you are an ambitious student

The Faculty of Economic Sciences degree programs combine a solid foundation of academic education with a high quality of specialised knowledge considered to be essential in the modern economic environment

Modern economics is not only an empirical science but also an experimental one. Our programs cover subjects falling within the domain of modern economics while being consistent with high European standards

## | Support for the best students

Faculty has its own *mini grant system* to finance students' scientific projects e.g. to conduct scientific research or to participate in scientific conferences. Faculty's students have a possibility to prepare a thesis in the form of a scientific paper and publish it

## | How we teach?

Our studies are concentrated on thinking and drawing conclusions, understanding is more important than simply passing the exams which is why we do not tolerate cheating

Faculty's programs are based on solid mathematical knowledge and great economic foundations, supported by practical knowledge of advanced econometric and programming e.g. SAS, STATA, R, Python, VBA, C++, well-established during classes in labs

We use innovative, experimental learning methods such as design, simulation and case studies using e-learning platforms and computer laboratories





# FACULTY OF ECONOMIC SCIENCES – INTERNATIONALLY

**If you want to study in the really international atmosphere, join us and feel it!**

Our students receive an internationally recognized diploma. Programs offered by the Faculty provide international standards – 2 programs offered by the Faculty received ACCA accreditation (Association of Chartered Certified Accountants)

Moreover, knowledge gained during the studies allows our alumni to successfully participate in exams like e.g. CFA, CIMA

**All members of our international community - our Candidates and Students will receive all the necessary support during their stay in Warsaw in special unit - Welcome Point**

## | Vibrant international community

Almost 1/4 of Faculty's students are international students from over 50 countries from all around the world, creating the truly international spirit. Our students come e.g. from China, Spain, Ukraine, South Korea, Georgia, United States, Mexico or Philippines and many other countries

## | Exchange programs

The Faculty of Economic Sciences has nearly 80 international cooperation agreements which give the opportunity for our Students to spend one semester or whole academic year on another, foreign university

Although the most popular is the Erasmus + program, our students have also the opportunity to undertake studies based on bilateral agreements

## | Double degree programs

Students of MA International Degree Program have the opportunity to obtain diplomas from two universities - one from the University of Warsaw and the second from one of the partner universities which create the joint programs with our Faculty



# FACULTY OF ECONOMIC SCIENCES – CAREER PERSPECTIVES

Graduates of economic studies at the University of Warsaw receive the highest average wages in Poland in the first year after obtaining a diploma according to the last ranking of economic studies by Rzeczpospolita daily newspaper

Alumni of the Faculty of Economic Sciences are on top places in the Graduate Tracking System in terms of the amount of earnings and the speed at which work is found

## | Examples of positions

Mobile Banking Analyst, Quantitative Analyst, Merger and Acquisition Specialist, AML Analyst, Big Data Analyst, Business, Advisor, Investment advisor, Actuary, Securities broker, Business, Intelligence Specialist, Forecast Specialist, Auditor, Routing Specialist, Derivatives Specialist, User experience specialist

## | Cooperation with future employers

The Faculty of Economic Sciences cooperates with the biggest companies in the industry to provide interesting development paths e.g.: learning path under Google's patronage - *Digital Economy, Data Mining Certificate Program* - conducted in cooperation with SAS Institute Poland, which prepares experts for advanced data analysis and management, *Introduction to Anti Money Laundering* – conducted in cooperation with Citi bank specialists, *Understanding Business* – conducted on a mentoring basis with companies representatives and case studies





# UNDERGRADUATE STUDIES

## FINANCE, INTERNATIONAL INVESTMENT AND ACCOUNTING

This math-oriented programme aims at providing students with professional knowledge about economic mechanisms and financial instruments

Students learn how to manage modern financial engineering at international markets and in multinational corporations; they are supplied with the knowledge of monetary policy, banking, insurance, accounting, foreign exchange risk management techniques, optimization and corporate finance, especially associated with investing in assets

Students of the Program have unique opportunity to shorten the path to obtaining the internationally recognised certificate of professional qualification - the Programme has the accreditation of the ACCA - Association of Chartered Certified Accountants



## | Knowledge

You will understand economics and finance on both the micro- and macro level

You will learn how to analyse data, how to create and implement financial models

You will fluently use two main languages in the world of finance: mathematics and English

You will learn how to use advanced econometric tools, such as SAS, R, MAXIMA, STATA, C++, VBA

## Curriculum |

Introduction to Economics

History of Economics/ Economic History/ Demography

Microeconomics I, II, III

Macroeconomics I, II

Open Economy Macroeconomics

International Trade Theory

Linear Algebra

Mathematical Analysis I, II

Probability Calculus

Mathematical Statistics

Econometrics (lab classes in STATA or in R)

Financial Law

Finance I, II

International Finance

Insurances

Accounting I, II

Investment Account

Introduction to Public Finance

Banking

Specialisation courses

Undergraduate thesis seminar

General knowledge courses

Internship

## | Additional information

- Fee: 3550 EUR/year
- Requirements: High school diploma, score from native language, mathematics and foreign language, B2 English level



# GRADUATE STUDIES

## INTERNATIONAL ECONOMICS

**4th best programme in the Central and Eastern Europe according to the Eduniversal Best Masters ranking 2024 in the "Economics" category**

This programme offers cutting-edge knowledge and skills in the field of international economics and is one of the best graduate programmes in Central and Eastern Europe

The selection of courses seeks to provide students with a solid base in economics on advanced level and to familiarise them with the latest issues discussed in scientific research and business

After having completed their first year in Warsaw, selected students spend their second year at a partner university and after defending their thesis, they receive two diplomas



## | Knowledge

You will fluently implement advanced macro and micro theory while modelling socio-economic processes

You will understand how finance and economics work and you will be able to use this knowledge for advanced finance engineering in international corporations

You will acquire knowledge about the rules of negotiations and you will know how to solve trade disputes

You will use advanced econometric tools such as STATA, MAXIMA, Eviews with ease

## Curriculum |

Advanced Microeconomics (Game Theory)

Advanced Microeconomics (General Equilibrium)

Microeconometrics

Mathematical Methods in Economics

Monetary Economics

Macroeconometrics

Advanced Microeconomics

International Labour Migration

International Trade Theory

International Trade Policy

International Economic Geography

International Finance

International Monetary Policy

Theory of Economic Integration

International Trade Negotiations

International Technology Transfer

International Marketing

Research and thesis seminar

General knowledge courses

## | Additional information

- Fee: 3900 EUR/year
- Requirements: Higher education diploma - BA, BSc, MA, MSc and B2 English level

## GRADUATE STUDIES

# QUANTITATIVE FINANCE

**2nd program in the Central and Eastern Europe according to the Eduniversal Best Masters ranking 2024 in the "Financial Markets" category**

The field of quantitative finance has been rapidly evolving in recent years due to unprecedented changes in both technology and financial markets. As financial securities become increasingly complex, the demand for individuals who are known as quantitative analysts, or simply quants, has grown steadily

They are and will be in high demand for the foreseeable future mostly due to their strong technical skills and challenging nature of the work, which is often described as a mixture of mathematics, finance and computer skills



## | Knowledge

The basic advantage of the program is the shift from the general concepts of modern finance towards a focus on the matter of quantitative finance, which is essential in case of any advanced approach to modelling financial markets

The track is prepared in order to connect theoretical knowledge with its practical applications. It will simultaneously include a theoretical introduction - describing models and theories and practical applications of these theories in the world of finance which will allow students to gain practical insights into the implementation of specific models and techniques in the capital market

## Curriculum |

Statistics & Econometrics  
Introduction to Quantitative Finance  
Mathematical Methods in Finance  
Time Series Analysis  
Advanced Macroeconomics  
Quantitative Strategies (High Frequency Data)  
Financial Statement Analysis  
Ethical Standards and Financial Law  
Asset Allocation and Investment Strategies  
Machine Learning in Finance I, II  
Derivatives Markets  
Equity and Fixed Income  
Corporate Finance  
Computational Finance  
Reproducible Research  
Risk Analysis and Modelling I, II  
C++ in Quantitative Finance I, II  
Theory and Practice of Option Pricing  
Empirics of Financial Markets  
Automatic Transactional Systems  
Thesis Seminar  
General knowledge courses

## | Additional information

- Fee: 3900 EUR/year
- Requirements: Higher education diploma - BA, BSc, MA, MSc and B2 English level



# GRADUATE STUDIES

## DATA SCIENCE AND BUSINESS ANALYTICS

**The best program in the Central and Eastern Europe according to the Eduniversal Best Masters ranking 2024 in the "Data Analytics" category**

The objective of the program is to educate data analysts with broad programming skills, understanding business and business processes who can easily communicate with business clients

That is why the education program is based on four pillars: quantitative methods, IT programming, economics & finance and soft skills



## | Knowledge

You will combine skills of programming, data analysis using sophisticated algorithms with database management, visualisation and work flow

You will be able to understand business customers' needs and solve their problems with data management and analytics

You will use R, Python, SQL

You will acquire knowledge about the rules of negotiations

## Curriculum |

Introduction to Data Science

Applied Microeconomics, Macroeconomics, Finance

Advanced Econometrics

R: intro/ data cleaning and imputation R/basics of visualisation

Python and SQL: intro/ SQL platforms

Algorithmics for Data Science

Statistics and Exploratory Data Analysis

Unsupervised Learning

Webscrapping and Social Media Scrapping

Advanced Programming in R

Machine Learning 1: classification methods

Advanced Visualisation in R

Text Mining and Social Media Mining

Big Data Analytics

Machine Learning 2: predictive models, deep learning,

neuron network

Reproducible Research

Elective courses economics or finance/IT tools/quantitative

methods

Communication and Autopresentation

Negotiations

Understanding Business

## | Additional information

- Fee: 3900 EUR/year
- Requirements: Higher education diploma - BA, BSc, MA, MSc and B2 English level





wne@wne.uw.edu.pl  
+ 48 22 55 49 190

[www.wne.uw.edu.pl](http://www.wne.uw.edu.pl)



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FOR ACADEMIC EXCHANGE

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