

Quantitative Economics



**Faculty of Economics
and Business
Administration**

Study language	Duration	Diploma	Form of studies	Admission criteria
English	3 years	Bachelor in Social Sciences	Full-time	Grades in Mathematics and English + Interview

Created in collaboration with the Bank of Lithuania, this English-taught bachelor's programme in Quantitative Economics offers a unique blend of contemporary economics curriculum and quantitative methods. Designed using the best practices from top universities, the programme will enable students to analyse economic processes in a quantitative manner, providing them with a set of highly valuable skills to succeed in the job market and with their further studies. Graduates will be able to continue their studies in internationally competitive master's programmes, choose a career in data analytics in any business sector, or become analysts in financial or public sector, national and international organisations.

Why Quantitative Economics at Vilnius University?

- The only three-year English-taught bachelor programme in Economics in the country
- Designed and delivered jointly with researchers at the Bank of Lithuania
- Taught by research-active lecturers and professors with PhDs from leading universities
- Offers a state-of-the-art mix of quantitative methods and theoretical economics
- Combines open-access economics curriculum of the CORE Project with methods from mathematics, statistics, econometrics, and data science
- Provides rigorous training on par with the world's top equivalent programmes
- Partner scholarships for the best students
- Social partners: Bank of Lithuania, Nasdaq, the Ministry of Finance

Career opportunities:

- Data Analytics
- Economic Analysis
- Academic Career

"We are after graduates with rigorous quantitative skills, economic intuition, and capacity to distill complex economic ideas into simple words."

Dr Vitas Vasiliauskas,
Chairman of the Board of the Bank of Lithuania

"Successful navigation within the financial services industry that has been rapidly changing due to financial technologies requires abstract thinking including understanding of economics and finance theories, problem solving and IT skills, and good intuition – all the competences to be nurtured within the BSc in Quantitative Economics programme."

Sigitas Mitkus,
Director of Financial Markets Policy Department at the
Ministry of Finance of Lithuania

Designed and delivered jointly with



LIETUVOS BANKAS

**VILNIUS UNIVERSITY - AMONG THE TOP 1,5%
OF UNIVERSITIES WORLDWIDE**

Course structure

Course	Credits	Course	Credits
1 semester	25.0	4 semester	30.0
Compulsory courses	25.0	Compulsory courses	25.0
Economic Principles 1	15.0	Economic Theory 2	10.0
Mathematical Methods 1	5.0	Econometric Theory and Practice 2	5.0
Statistical Theory 1	5.0	Finance 2	5.0
2 semester	35.0	Computing and Data Analysis	5.0
Compulsory courses	25.0	Elective courses	5.0
Economic Principles 2	15.0	Further Quantitative Methods / International Finance / Labor Economics / Industrial Organization	5.0
Mathematical Methods 2	5.0		
Statistical Theory 2	5.0		
Elective courses	10.0	5 semester	30.0
General university-level course	5.0	Compulsory courses	30.0
General university-level course	5.0	Applied microeconomics	5.0
3 semester	30.0	Applied macroeconomics	5.0
Compulsory courses	20.0	Applied finance	5.0
Economic Theory 1	10.0	Summer Internship	15.0
Econometric Theory and Practice 1	5.0	6 semester	30.0
Finance 1	5.0	Compulsory courses	15.0
Elective courses	10.0	Bachelor's Thesis	15.0
Comparative Economics / History of Economic Thought / Behavioral and Experimental Economics	5.0	Elective courses	15.0
General university-level course	5.0	Panel Data Econometrics / Big Data Analytics / Time Series Analysis / Financial Markets / International Macroeconomics	5.0