



Quantitative Economics



Bachelor in Social
Sciences

> **3 years, full-time**

> **Vilnius University is among
the top 500 universities
worldwide**

> **Choose #1VU and win "Vilnius
University 440" scholarship**

For graduates from Lithuania:

0,4 Mathematics

0,2 Either History, IT or Geography

0,2 Other subject

0,2 Lithuanian Language and
Literature

National Exams

National exams or yearly average grades

+ Admission interview in English

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.

CAREER OPPORTUNITIES:

- > Data analyst;
- > Economic analyst;
- > (Big) Data Analyst;
- > Forecaster.

PROGRAMME OVERVIEW:

- > The only three-year English-taught bachelor programme in Economics in the country;
- > Designed and delivered together 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;
- > Partners' scholarships available for the best students;
- > Social partners: Bank of Lithuania, Nasdaq.

"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

"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

This programme is carried out together with:



LIETUVOS BANKAS

Programme structure

Course	Credits	Course	Credits
1 semester	25.0	5 semester	30.0
Compulsory courses	25.0	Compulsory courses	30.0
Economic Principles I	15.0	Applied Microeconomics	5.0
Mathematical Methods I	5.0	Applied Macroeconomics	5.0
Statistical Theory I	5.0	Applied Finance	5.0
2 semester	35.0	Summer Internship	15.0
Compulsory courses	25.0	6 semester	30.0
Economic Principles II	15.0	Compulsory courses	15.0
Mathematical Methods II	5.0	Bachelor's Thesis	15.0
Statistical Theory II	5.0	Elective courses	15.0
General Courses of the University Education	10.0	Panel Data Econometrics / Big Data Analytics / Time Series Analysis / Financial Markets / Interna- tional Macroeconomics	5.0
3 semester	30.0		
Compulsory courses	20.0		
Economic Theory I	10.0		
Econometric Theory and Practice I	5.0		
Finance I	5.0		
Elective courses	5.0		
Comparative Economics / History of Economic Thought / Behavioural and Experimental Economics	5.0		
General Courses of the University Education	5.0		
4 semester	30.0		
Compulsory courses	25.0		
Economic Theory II	10.0		
Econometric Theory and Practice II	5.0		
Finance II	5.0		
Computing and Data Analysis	5.0		
Elective course	5.0		
Further Quantitative Methods / International Finance / Labour Economics / Industrial Organization	5.0		