

# Presentation of study programmes - Study plans

This application displays a study plan, i.e. an overview of all courses within the selected field of study.

**Faculty:** Faculty of Informatics and Statistics  
**Initial period:** WS 2024/2025 - FIS  
**Type of study** E  
**Type of** Bachelor  
**Programme:** B0588A050002 B-EDS Economic Data Science  
**Form of** full-time  
**Study** 3 years

The study plan is further subdivided into study periods - semesters. To accomplish your study plan successfully it is necessary to pass all duties stipulated in the Study and Examination Code.

## Groups of courses for the entire plan

Code	Course title	Mode of completion	Credits	Semester
<b>oP - Compulsory course bachelor (t: 1)</b>				
<b>A group of required courses</b>				
<a href="#">4ES103</a>	<a href="#">Description and Comparison of Economic Data (in English)</a>	Exam ECTS	3	1
<a href="#">4MM151</a>	<a href="#">Mathematics for Economists (in English)</a>	Exam ECTS	6	1
<a href="#">4SA369</a>	<a href="#">Philosophy of Science (in English)</a>	Exam ECTS	6	1
<a href="#">4ES104</a>	<a href="#">Principles of Economics: Theory and Data I. (in English)</a>	Exam ECTS	6	1
<a href="#">4ST607</a>	<a href="#">R and SQL for Data Analysis (in English)</a>	Exam ECTS	6	1
<a href="#">1BP260</a>	<a href="#">Banking and Financial Institutions</a>	Exam ECTS	3	2
<a href="#">4ES611</a>	<a href="#">Economic Statistics (in English)</a>	Exam ECTS	6	2
<a href="#">4ES105</a>	<a href="#">Principles of Economics: Theory and Data II. (in English)</a>	Exam ECTS	6	2
<a href="#">4ST621</a>	<a href="#">Probability and Mathematical Statistics I (in English)</a>	Exam ECTS	6	2
<a href="#">4ST606</a>	<a href="#">Real Data Analysis (in English)</a>	Exam ECTS	6	2
<a href="#">4IT335</a>	<a href="#">Business Intelligence Fundamentals (in English)</a>	Exam ECTS	3	3
<a href="#">4ST642</a>	<a href="#">Data Analysis in Python (in English)</a>	Exam ECTS	6	3
<a href="#">4IT338</a>	<a href="#">Data Analytics Fundamentals (in English)</a>	Exam ECTS	3	3
<a href="#">4ES201</a>	<a href="#">Development Economics (in English)</a>	Exam ECTS	6	3
<a href="#">4IT349</a>	<a href="#">External Data and Information Sources (in English)</a>	Exam ECTS	3	3
<a href="#">4EK621</a>	<a href="#">Regression Modelling (in English)</a>	Exam ECTS	6	3
<a href="#">4EK631</a>	<a href="#">Econometric Modelling (in English)</a>	Exam ECTS	6	4
<a href="#">4ST626</a>	<a href="#">Exploratory Data Analysis (in English)</a>	Exam ECTS	3	4
<a href="#">3MI807</a>	<a href="#">Managerial Economics</a>	Exam ECTS	5	4
<a href="#">2SE252</a>	<a href="#">World Economy</a>	Exam ECTS	9	4
<a href="#">4ES303</a>	<a href="#">Bachelor's Thesis Seminar (in English)</a>	Exam ECTS	3	5
<a href="#">4ES613</a>	<a href="#">Data-Driven Policy Analysis (in English)</a>	Exam ECTS	4	5
<a href="#">4ES301</a>	<a href="#">Empirical Macroeconomics (in English)</a>	Exam ECTS	6	5
<a href="#">4ES615</a>	<a href="#">Quantitative Methods in Economics (in English)</a>	Exam ECTS	6	5
<a href="#">4ST641</a>	<a href="#">Statistical Learning (in English)</a>	Exam ECTS	6	5
<a href="#">4EK617</a>	<a href="#">Case Studies in Data Science</a>	Exam ECTS	6	6
<a href="#">4ME356</a>	<a href="#">Storytelling, presentation and media trends (in English)</a>	Exam ECTS	6	6

Code	Course title	Mode of completion	Credits	Semester
<b>oSZ - Final State Examination (t: 1)</b>				
<b>A group of required courses</b>				
<a href="#">EDS</a>	<a href="#">Economic Data Science (in English)</a>	Exam ECTS	9	6

Code	Course title	Mode of completion	Credits	Group	Group2
<b>oV - Electives bachelor (t: 2)</b>					
<b>A group of elective courses (min. 30 crd.)</b>					
<a href="#">4IZ176</a>	<a href="#">Cloud Data Mining (in English)</a>	Exam ECTS	3	Data Science	
<a href="#">4MM102</a>	<a href="#">Computation for Data Science and Analytics (in English)</a>	Exam ECTS	6	Data Science	
<a href="#">4IZ171</a>	<a href="#">Machine Learning 1 (in English)</a>	Exam ECTS	6	Data Science	
<a href="#">4IT344</a>	<a href="#">Machine Learning 2 (in English)</a>	Exam ECTS	6	Data Science	
<a href="#">4IZ172</a>	<a href="#">Text Analytics 1 (in English)</a>	Exam ECTS	6	Data Science	
<a href="#">4IT347</a>	<a href="#">Text Analytics 2 (in English)</a>	Exam ECTS	3	Data Science	
<a href="#">3MI604</a>	<a href="#">Behavioural Economics</a>	Exam ECTS	3	Economics	
<a href="#">3BE314</a>	<a href="#">Entrepreneurship</a>	Exam ECTS	6	Economics	
<a href="#">3MI606</a>	<a href="#">Experiments in Economics and Management</a>	Exam ECTS	4	Economics	
<a href="#">1VF466</a>	<a href="#">Fiscal Policy (Modern Trends and Case Studies)</a>	Exam ECTS	3	Economics	
<a href="#">3MI711</a>	<a href="#">Game theory</a>	Exam ECTS	6	Economics	
<a href="#">2SE222</a>	<a href="#">International Economics</a>	Exam ECTS	6	Economics	
<a href="#">1VF203</a>	<a href="#">Public Finance</a>	Exam ECTS	3	Economics	

<a href="#">1BP464</a>	<a href="#">Bond Theory and Praxis</a>	Exam ECTS	3	Finance
<a href="#">1FP251</a>	<a href="#">Corporate Finance</a>	Exam ECTS	6	Finance
<a href="#">1MT364</a>	<a href="#">Currency Trading</a>	Exam ECTS	3	Finance
<a href="#">1MT363</a>	<a href="#">Financial regulation and risk management</a>	Exam ECTS	3	Finance
<a href="#">11F252</a>	<a href="#">Financial theory, policy and institutions (in English)</a>	Exam ECTS	5	Finance
<a href="#">1MT357</a>	<a href="#">International Financial Management</a>	Exam ECTS	6	Finance
<a href="#">4ST608</a>	<a href="#">Introduction to Financial and Insurance Mathematics (in English)</a>	Exam ECTS	6	Finance
<a href="#">1BP333</a>	<a href="#">Modern Trends in Banking and Financial sector</a>	Exam ECTS	3	Finance
<a href="#">4EK602</a>	<a href="#">Games and Decisions (in English)</a>	Exam ECTS	3	Optimization and Decision Making
<a href="#">4EK615</a>	<a href="#">Mathematical Informatics (in English)</a>	Exam ECTS	6	Optimization and Decision Making
<a href="#">4EK606</a>	<a href="#">Multiple Criteria Decision Making (in English)</a>	Exam ECTS	6	Optimization and Decision Making
<a href="#">4EK601</a>	<a href="#">Operations Research (in English)</a>	Exam ECTS	3	Optimization and Decision Making
<a href="#">4EK632</a>	<a href="#">Optimization Modelling (in English)</a>	Exam ECTS	6	Optimization and Decision Making
<a href="#">4EK603</a>	<a href="#">Project Management (in English)</a>	Exam ECTS	3	Optimization and Decision Making
<a href="#">4DM251</a>	<a href="#">Demography I (in English)</a>	Exam ECTS	4	Statistics
<a href="#">4ST623</a>	<a href="#">Mathematical Statistics (in English)</a>	Exam ECTS	6	Statistics
<a href="#">4IT523</a>	<a href="#">MS Excel Skills for Business: Fundamentals (in English)</a>	Exam ECTS	3	Statistics Data Science
<a href="#">4ST612</a>	<a href="#">Probability and Random Processes (in English)</a>	Exam ECTS	6	Statistics
<a href="#">4ST318</a>	<a href="#">Success in Statistics (in English)</a>	Exam ECTS	3	Statistics
<a href="#">4ES610</a>	<a href="#">Survey Methodology (in English)</a>	Exam ECTS	3	Statistics
<a href="#">4IT522</a>	<a href="#">Use MS Excel in business practice (in English)</a>	Exam ECTS	3	Statistics Data Science
<a href="#">4SA622</a>	<a href="#">Czech for Foreigners</a>	Exam ECTS	3	