

# (Bc) Programme 6201R009: Economics and Finance (BEF)

## Bachelor's Programme 6201R009: Economics and Finance

### Academic year 2020/2021

Bachelor in Economics and Finance (BEF) is a three-year study program taught fully in English. It aims to give the student a thorough grounding in both theoretical and applied economics and finance. We put emphasis on developing abstract analytical reasoning, which allows our graduates to solve complex economic and financial problems in various settings. Courses are taught both by core faculty and external professionals from the central bank, commercial banks and business analysts. Our graduates typically assume challenging positions in banking, consulting, investment funds and public administration.

Academic director of the bachelor study program Economics and Finance is **doc. PhDr. Julie Chytilová, Ph.D.**

### **Total study obligations: 180 credits**

#### **A) Compulsory courses (J#0001019): 90 credits**

Student must pass all compulsory courses according to the list below.

#### **B) Elective courses (J#0001120 ): min. 63 credits**

#### **C) Optional courses: max. 27 credits**

Student must pass compulsory, elective and optional courses to fulfill together the total of 180 credits. What are optional courses? Other courses - than compulsory and elective courses specified for this study program here - taught at the University are regarded as optional courses. As optional courses are also regarded courses taught at other higher education institutions or their parts, or other education or scientific institutions, if so established by an agreement between the faculty or University and that university or institution.

#### **State Exam:**

(JBAK01) Bachelor's thesis defence

#### **Compulsory courses J#0001019**

<!--dg:select1:0001019:2020:2023:en-->

Code	Course title	Course leader	Semester	Hours per week	Course assessment	ECTS credit points
JEB001	Bachelor's Thesis Seminar I	Chytilová	SS	0/2	Course credit	4
JEB002	Bachelor's Thesis Seminar II	Chytilová	WS/SS	0/2	Course credit	4
JEB101	Principles of Economics I	Janský	WS	2/2	Examination	6
JEB102	Principles of Economics II	Horváth	SS	2/2	Examination	6
JEB104	Microeconomics I	Šťastná	SS	4/2	Examination	6
JEB105	Statistics	Červinka	WS	4/2	Examination	7
JEB108	Microeconomics II	Chytilová	WS	4/2	Examination	6
JEB109	Econometrics I	Křištofuk	SS	2/2	Examination	6
JEB114	Macroeconomic I	Horváth	WS	2/2	Examination	6
JEB115	Macroeconomic II	Horváth	SS	2/2	Examination	6

JEB120	<u>Financial Economics</u>	<u>Čech</u>	WS	2/2	Examination	6
JEB142	<u>Introductory Statistics</u>	<u>Červinka</u>	SS	1/1	Examination	3
JEB153	<u>Introductory Banking</u>	<u>Pečená</u>	SS	2/2	Examination	6
NMMA711	<u>Mathematics 1</u>		WS	4/4	cc+exam	7
NMMA712	<u>Mathematics 2</u>		SS	4/4	cc+exam	7
NMMA713	<u>Introductory Mathematics</u>		WS	0/2	Course credit	4

**Prerequisites, co-requisites, incompatibility, interchangeability for compulsory courses**

<!--dg:rekv:0001019:2020:2023:en-->

Code	Course title	Pre-requisite	Co-requisite	Interchangeability	Incompatibility
JEB002	Bachelor's Thesis Seminar II	JEB001			
JEB101	Principles of Economics I			JEB003	JEB003 JPB362
JEB102	Principles of Economics II			JEB004	JPB330 JEB004
JEB104	Microeconomics I	<u>J#R038</u> JEB003			
JEB105	Statistics	<u>J#R085</u> JEB142			
JEB108	Microeconomics II	JEB104			
JEB109	Econometrics I	JEB105			
JEB114	Macroeconomics I	JEB102		JEB009	JEB009 JEM177
JEB115	Macroeconomics II	JEB114		JEB010	JEB010 JEM178
JEB142	Introductory Statistics				JEB132
JEB153	Introductory Banking				JEB126
NMMA711	Mathematics 1			JEB118	
NMMA712	Mathematics 2	NMMA711		JEB119	
NMMA713	Introductory Mathematics			JEB122	

Prerequisite JEB003 is interchangeable with JEB101

Prerequisite JEB005 is interchangeable with JEB118

Prerequisite JEB006 is interchangeable with JEB119

Registration to the course JEB104 through supervisor of the course

Registration to the course JEB105 through supervisor of the course

**Elective Courses J#0001120**

<!--dg:select1:0001120:2020:2023:en-->

Code	Course title	Course leader	Semester	Hours per week	Course assessment	ECTS credit points
JEB016	<u>History of Economic Thought</u>	<u>Cahlík</u>	SS	2/2	Examination	6
JEB020	<u>Economic Policy</u>	<u>Dlouhý Janský</u>	SS	2/0	Examination	5
JEB022	<u>Institutional Economics</u>	<u>Schwarz</u>	WS	2/0	Examination	5
JEB025	<u>Public Finance</u>	<u>Janský</u>	SS	2/0	Examination	5

JEB026	European Economic Integration	Komárek	WS	2/2	Examination	6
JEB039	International Trade	Semerák	WS	2/2	Examination	8
JEB044	Financial Accounting	Novák	WS	2/2	Examination	6
JEB045	Financial Management	Mejstřík	SS	2/2	cc+exam	6
JEB050	International Finance	Semerák	SS	2/0	Examination	5
JEB053	Labour Economics	Mysíková	SS	2/0	Examination	5
JEB064	Game Theory and Applications	Gregor	SS	2/2	Examination	6
JEB103	Comparative Economics	Semerák	SS	2/2	Examination	6
JEB110	Econometrics II	Pertold-Gebicka	WS	2/2	Examination	6
JEB111	Advanced Data Analysis in MS Excel	Polák	WS/SS	0/2	Examination	3
JEB112	Strategic Management	Balcar	SS	2/2	Examination	6
JEB117	Mathematics for Economists	Ba	SS	2/2	Examination	6
JEB129	Fiscal Policy, Public Debt and Sovereign Debt Ratings	Schneider	SS	3/1	macc	2
JEB133	Economic History	Doležalová	SS	2/1	Examination	6
JEB134	Internship	Chytilová	WS/SS	0/4	Course credit	3
JEB135	Economics of Global Business	Semerák	WS	2/2	Examination	6
JEB136	Topics in Industrial Organization	Schwarz	WS	2/0	Examination	3
JEB143	Cambridge Lectures in Economic History	Doležalová	SS	1/1	Examination	5
JEB147	Behavioral Economics	Chytilová Bauer	WS	2/0	Examination	5
JEB148	Bayesian Data Analysis	Křehlík	WS	2/0	Examination	5
JEB152	Recent Financial Crises: Theory and Evidence	Janičko Kovář	SS	2/0	Examination	5

JEB157	Data Analysis in R	Křišťoufek	WS	2/2	Examination	6
JEM020	Ethics and Economics	Cahlík	WS	2/2	Examination	6
JEM101	Health Economics	Bertoli Votápková	SS	2/2	Examination	6
JEM140	Quantitative Multivariate Finance	Burda	SS	2/0	Examination	3
JEM141	Traditional and Alternative Risk Transfer in the Insurance Sector	Teply Pompella	WS	2/0	macc	2
JEM199	Financial Crisis and Risk Management	Horváth	WS/SS	6/0	macc	2
JEM205	FinTech and Blockchain	Gregor Colak	SS	6/0	macc	2
JEM206	Introduction into Health Economics	Stavrunova	WS	4/0	macc	2
JEM207	Data Processing in Python	Čech Hronec	WS/SS	2/0	Examination	5
JEM209	History and Methodology of Economics	Doležalová Baxa	WS	2/0	Examination	6
JEM211	Philosophy, Economics and Politics: Current Debates	Baxa Semerák	SS	1/1	Examination	6
JEM212	International Political Economy	Havránková Semerák	SS	2/1	Examination	7
JEM220	Data Science with R II	Křišťoufek	SS	2/0	Examination	6
JEM221	Data Science with R I	Křišťoufek	WS	2/0	Examination	5
JEM224	Version Control with Git	Hronec	SS	5/2	macc	2
JEM230	Advanced Topics in Corporate Finance	Geršl Curi	WS	3/3	Course credit	3
JEM232	Financial Crisis and Risk Management	Horváth	WS/SS	6/0	Course credit	3
JEM233	FinTech and Blockchain	Gregor Colak	SS	6/0	Course credit	3
JEM234	Version Control with Git	Hronec	WS	5/2	Course credit	3

JEM236	Risk Management and Insurance	Kukačka	SS	6/0	Course credit	3
JEM334	Fiscal Policy, Public Debt and Sovereign Debt Ratings	Schneider	SS	3/3	Course credit	3
JLB003	English for Economics I	Poslušná Gloverová Konečná	WS	0/2	Course credit	3
JLB004	English for Economics II	Poslušná	SS	0/2	Examination	3
JLB011	German for Economics intermediate I	Faltýnová	WS	0/2	Course credit	3
JLB012	German for Economics intermediate II	Faltýnová	SS	0/2	macc	3
JLB017	German for Economics upper-intermediate I	Faltýnová	WS	0/2	Course credit	3
JLB018	German for Economics upper-intermediate II	Faltýnová	SS	0/2	Examination	3
JLB055	German for Economics pre-intermediate I	Faltýnová	WS	0/2	Course credit	3
JLB056	German for Economics pre-intermediate II	Faltýnová	SS	0/2	macc	3
JMB087	Introduction to International Political Economy	Kozák Hornát Szobi	SS	1/1	Examination	6
JMB088	Central Europe and China: Economic and Political Relations	Kopecký	SS	1/1	Examination	6

Technical language classes provided by the Foreign Language Department UK FSV

JLB017 and JLB018 are opened only in the academic year starting with odd number (e.g.2015/2016).

#### Prerequisites, co-requisites, incompatibility, interchangeability for elective courses

<!--dg:rekv:0001120:2020:2023:en-->

Code	Course title	Pre-requisite	Co-requisite	Interchangeability	Incompatibility
JEB016	History of Economic Thought	JEB009 JEB104 JEB114			
JEB020	Economic Policy	J#R048			JPB337
JEB022	Institutional Economics	J#R048			JPB331
JEB025	Public Finance	J#R092			JSM731

JEB026	European Economic Integration	JEB004			JPB336
JEB039	International Trade	<u>J#R048</u>			JEM328 JPB354
JEB050	International Finance				JPB335
JEB053	Labour Economics	<u>J#R049</u>			
JEB064	Game Theory and Applications	JEB004			
JEB103	Comparative Economics				JPB333
JEB110	Econometrics II	JEB109			
JEB111	Advanced Data Analysis in MS Excel				JEM331
JEB129	Fiscal Policy, Public Debt and Sovereign Debt Ratings				JEM334
JEB133	Economic History				JPB332
JEB135	Economics of Global Business				JPB334
JEB136	Topics in Industrial Organization	<u>J#R048</u>			
JEB143	Cambridge Lectures in Economic History	JEB133			
JEB147	Behavioral Economics	JEB104			
JEB152	Recent Financial Crises: Theory and Evidence	JEB102			
JEB157	Data Analysis in R	JEB142			
JEM020	Ethics and Economics				JPB338
JEM199	Financial Crisis and Risk Management				JEM232
JEM211	Philosophy, Economics and Politics: Current Debates				JEM180 JPM156 JPM610
JEM212	International Political Economy				JEM165 JPM325
JEM220	Data Science with R II	<u>J#R073</u>			
JEM221	Data Science with R I				JEM181 JEM227

JEM232	Financial Crisis and Risk Management				JEM199
JEM233	FinTech and Blockchain				JEM205
JEM234	Version Control with Git				JEM224
JEM334	Fiscal Policy, Public Debt and Sovereign Debt Ratings				JEB129
JLB004	English for Economics II	JLB003			
JLB012	German for Economics intermediate II	JLB011			
JLB018	German for Economics upper-intermediate II	JLB017			
JLB056	German for Economics pre-intermediate II	JLB055			

Prerequisite JEB003 is interchangeable with JEB101

Prerequisite JEB004 is interchangeable with JEB102

Prerequisite JEB007 is interchangeable with JEB104

Prerequisite JEB008 is interchangeable with JEB108

Prerequisite JEB010 is interchangeable with JEB115

**Code of plan**

J20BEF1206