

VILNIUS GEDIMINAS TECHNICAL UNIVERSITY

LIST OF COURSES OFFERED IN ENGLISH

2016/2017



Regular courses

Optional courses

Individual courses

For course *description* please *click on the course code*

ECTS credits in parentheses show the number of credits students get for a course paper/project

Faculty	Course code	Course Title	Level	Semester	ECTS credits	Notes
	KILKB11023	Lithuanian Language course for foreign students 1	A1	Both	3	Course starts in 3 weeks after beginning of the each semester
	KILKB11024	Lithuanian Language course for foreign students 2	A2	Both	3	Course starts in 3 weeks after beginning of the each semester
Autumn Semester Courses						
A. Gustaitis' Aviation Institute	AIAMB15609	Aviation engines	Bachelor	Autumn	5	individual course
A. Gustaitis' Aviation Institute	AISVA11921	Air Transportation Management	B/M	Autumn	5	
A. Gustaitis' Aviation Institute	AISVA11302	Aviation English 1	Bachelor	Autumn	4	
A. Gustaitis' Aviation Institute	AIAEB11704	Bachelor Graduation Thesis 1	Bachelor	Autumn	3	
A. Gustaitis' Aviation Institute	AIAEB11502	Avionics	Bachelor	Autumn	3	basics of electronics and electrotechnics required
A. Gustaitis' Aviation Institute	AIAEB14706	Aircraft powerplant and functional systems	Bachelor	Autumn	5	
A. Gustaitis' Aviation Institute	AIAEM11111	Master Graduation Thesis 1	Master	Autumn	3	

A. Gustaitis' Aviation Institute	AIAEM11311	Flight Parameters Measuring Systems	Master	Autumn	6	
Architecture	ARAGB11317	Drawing 3	Bachelor	Autumn	3	
Architecture	ARARB11305	Composition: Scale in Architecture	Bachelor	Autumn	4	
Architecture	ARPKB11301	Computer Aided Design Basics	Bachelor	Autumn	3	
Architecture	ARAPB11308	History of Architecture1	Bachelor	Autumn	4	
Architecture	ARURB11301	Project of Recreation Complex in Natural Environment	Bachelor	Autumn	9	project
Architecture	ARAPB11511	Analysis of Buildings Composition	Bachelor	Autumn	3	
Architecture	ARAPB11510	History of Lithuanian Architecture	Bachelor	Autumn	3	
Architecture	ARARB11508	Design of Public Building	Bachelor	Autumn	9	project
Architecture	ARURB11502	Basics of Urban Design and Sociology	Bachelor	Autumn	5	
Architecture	ARARB11710	Renovation Design of an Architectural Object	Bachelor	Autumn	9	project
Architecture	ARURB11707	Regeneration Project of Urban Residential Structures	Bachelor	Autumn	9	project
Business Management	VVFRB15301	Accounting	Bachelor	Autumn	7 (3)	Divided into Exam 4 ECTS and Course Project 3 ECTS
Business Management	VVVTB11302	Business Communication	Bachelor	Autumn	3	optional course
Business Management	VVFRB11507	Business Finance	Bachelor	Autumn	3	
Business Management	VVFRM13102	Bussines Finance for Executives	Master	Autumn	7(2)	Divided into Exam 5 ECTS and Course Project 2 ECTS
Business Management	VVIEB15301	Comparative Economics	Bachelor	Autumn	4	
Business Management	VVEVB15708	Complex Project of International Economic Relations	Bachelor	autumn	5	
Business Management	VVIEB15504	Complex Project of Economics Planning	Bachelor	Autumn	8	
Business Management	VVTEB11302	Contract law	Bachelor	Autumn	3	
Business Management	FMSAB11369	Econometrics	Bachelor	Autumn	7(2)	Divided into Exam 5 ECTS and Course Project 2 ECTS
Business Management	VVIEB15503	Economic Analysis	Bachelor	Autumn	5	
Business Management	VVIEB15505	Economic of Human Resource	Bachelor	Autumn	3	
Business Management	VVFRM15103	Engineering of Profit and Risk	Master	Autumn	7	optional course
Business Management	KIKAB11326	English for Specific Purposes 2	Bachelor	Autumn	3	optional course
Business Management	KIKAB13369	English for Specific Purposes for Foreigners 2	Bachelor	Autumn	3	optional course
Business Management	VVIEB15501	Enterprises Organization and Management	Bachelor	Autumn	8 (3)	Divided into Exam 5 ECTS and Course Project 3 ECTS
Business Management	VVFRB11310	Financial of Financial Decisions	Bachelor	Autumn	4	

Business Management	<u>VVTEB15301</u>	Fundamentals of Law	Bachelor	Autumn	4	
Business Management	<u>VVEVM13103</u>	Innovation Theory	Master	Autumn	7	optional course
Business Management	<u>VVEVB15706</u>	International Business Economics	Bachelor	autumn	3	
Business Management	<u>VVEVM15101</u>	International Business Theory	Master	Autumn	7	Divided into Exam 5 ECTS and Course Project 2 ECTS
Business Management	<u>VVEVB15707</u>	International Marketing	Bachelor	autumn	3	
Business Management	<u>VVEVM13303</u>	International Marketing and Communication	Master	Autumn	6 (2)	Divided into Exam 4 ECTS and Course Project 2 ECTS
Business Management	<u>VVFRB11701</u>	Investment Management	Bachelor	Autumn	8 (3)	Divided into Exam 5 ECTS and Course Project 3 ECTS
Business Management	<u>VVSEB15301</u>	Macroeconomics	Bachelor	Autumn	5	
Business Management	<u>VVEVB15301</u>	Management Psychology	Bachelor	Autumn	3	optional course
Business Management	<u>VVEVB15501</u>	Marketing	Bachelor	Autumn	5	
Business Management	<u>VVEVB15503</u>	Marketing	Bachelor	Autumn	4	
Business Management	<u>VVEVB15701</u>	Marketing Research	Bachelor	Autumn	8 (3)	Divided into Exam 5 ECTS and Course Project 3 ECTS
Business Management	<u>VVFRM13103</u>	Master Graduation Thesis 1	Master	Autumn	3	
Business Management	<u>VVEVM13102</u>	Master Graduation Thesis 1	Master	Autumn	3	
Business Management	<u>VVVTM13101</u>	Methodology of Scientific Research	Master	Autumn	6	
Business Management	<u>VVIEB11305</u>	Microeconomics	Bachelor	Autumn	5	
Business Management	<u>VVIEB11302</u>	Negotiation in Business	Bachelor	Autumn	3	optional course
Business Management	<u>VVFRB11502</u>	Pricing	Bachelor	Autumn	8 (3)	Divided into Exam 5 ECTS and Course Project 3 ECTS
Business Management	<u>VVVTB11303</u>	Production technology and management	Bachelor	Autumn	6 (2)	Divided into Exam 4 ECTS and Course Project 2 ECTS
Business Management	<u>VVFRB15501</u>	Project Preparation and Evaluation	Bachelor	Autumn	4	
Business Management	<u>VVVTB11301</u>	Quantitative Methods for Decision Making	Bachelor	Autumn	6 (2)	Divided into Exam 4 ECTS and Course Project 2 ECTS
Business Management	<u>VVEVB15302</u>	Regional Economics I: China	Bachelor	Autumn	3	optional course
Business Management	<u>VVEVB15304</u>	Regional Economics I: Nordic countries	Bachelor	Autumn	3	optional course
Business Management	<u>VVEVB15302</u>	Regional Economics I: Russian and other CSI countries	Bachelor	Autumn	3	optional course
Business Management	<u>VVEVB15704</u>	Science and Technology Development Economics	Bachelor	autumn	4	
Business Management	<u>VVIEB11513</u>	Strategic Management	Bachelor	Autumn	3	
Business Management	<u>VVVTB15504</u>	Supply Chain Management	Bachelor	Autumn	3	
Business Management	<u>VVIEM13101</u>	Theory of Organization	Master	Autumn	7	

Business Management	<u>VVVTB15501</u>	Total Quality Management	Bachelor	Autumn	3	
Business Management	<u>VVFRB14501</u>	Business Finance Complex Project	Bachelor	Autumn	8	
Business Management	<u>VVIEB14501</u>	Entrepreneurship	Bachelor	Autumn	5	
Business Management	<u>VVTEB14502</u>	Financial Law	Bachelor	Autumn	3	
Business Management	<u>VVFRB11712</u>	Economics of Investment	Bachelor	Autumn	3	
Business Management	<u>VVFRB11713</u>	Complex Project of Investment Economics	Bachelor	Autumn	5	
Business Management	<u>VVFRB15703</u>	Financial Markets and Institutions	Bachelor	Autumn	3	
Business Management	<u>VVFRB15704</u>	Economics of Personal Finance	Bachelor	Autumn	4	
Business Management	<u>VVEVM13107</u>	Theory of Globalization and the Global Economy	Master	Autumn	7 (2)	Divided into Exam 5 ECTS and Course Project 2 ECTS
Business Management	<u>VVEVM13108</u>	Master Graduation Thesis 1	Master	Autumn	3	
Business Management	<u>VVIEM13104</u>	Quantitative Experts Solution Methods	Master	Autumn	7	
Business Management	<u>VVVTM13151</u>	Methodology of Scientific Research	Master	Autumn	6	
Business Management	<u>VVEVM13106</u>	EU Economic Integration	Master	Autumn	7	optional course
Business Management	<u>VVFRM13108</u>	The Anatomy and Management of Sustainable Development	Master	Autumn	7	optional course
Civil Engineering	<u>APASB11117</u>	Man and Environment	Bachelor	Autumn	3	
Civil Engineering	<u>STIAB11307</u>	History of Architecture	Bachelor	Autumn	3	
Civil Engineering	<u>APPEB11555</u>	Building Services	Bachelor	Autumn	4	
Civil Engineering	<u>STGKB11501</u>	Reinforced Concrete Structures 1	Bachelor	Autumn	6 (2 ECTS for the project)	Course project included
Civil Engineering	<u>STKMB11537</u>	Structural mechanics	Bachelor	Autumn	4	
Civil Engineering	<u>STMKB11501</u>	Steel Structures 1	Bachelor	Autumn	5	
Civil Engineering	<u>STMKB11503</u>	Complex Project	Bachelor	Autumn	5	
Civil Engineering	<u>STSTB11523</u>	Building Construction Technology	Bachelor	Autumn	3	
Civil Engineering	<u>VVSEB11552</u>	Economics	Bachelor	Autumn	3	
Civil Engineering	<u>STGKB11704</u>	Masonry Structures	Bachelor	Autumn	3	
Civil Engineering	<u>STGTB11718</u>	Soil Mechanics	Bachelor	Autumn	4	Study modulus on Engineering Geology necessary to be studied before
Civil Engineering	<u>STKMB11738</u>	Dynamics and Stability of Buildings	Bachelor	Autumn	3	
Civil Engineering	<u>STMKB11704</u>	Timber Structures	Bachelor	Autumn	4	
Civil Engineering	<u>VVTEB11708</u>	Law	Bachelor	Autumn	3	
Civil Engineering	<u>STMKB11706</u>	Design of Timber Buildings	Bachelor	Autumn	5	Course project is included.
Civil Engineering	<u>STMKB11705</u>	Design of Steel Buildings	Bachelor	Autumn	5	Course project is included.

Civil Engineering	STIAM13101	Sustainable Buildings' Design	Master	Autumn	10	
Creative Industries	KIFKB15502	Media and Politics	Bachelor	Autumn	3	individual courses
Creative Industries	KIKVB12502	Management of creative projects	Bachelor	Autumn	4	
Creative Industries	KIKVB12503	Basics of Journalism	Bachelor	Autumn	5	
Creative Industries	KIKVB12506	Photography	Bachelor	Autumn	5(1)	course project is included
Creative Industries	KIKVB15503	Urban Studies	Bachelor	Autumn	5	
Creative Industries	KIFKB15504	Media and Religion		Autumn	3	
Creative Industries	VVSEB12551	Integrated Marketing Communications		Autumn	5	
Creative Industries	VVSEB12552	Entertainment Management		Autumn	6	
Creative Industries	VVTEB11509	Copyright law		Autumn	3	
Creative Industries	VVVTB12553	Multimodal Communication		Autumn	6	
Creative Industries	KIFKB15506	Creative Writing		Autumn	3	
Electronics	ELAUM11107	Automatic Control Theory	Master	Autumn	6	optional course
Electronics	ELETM11102	Electrical and Power Engineering	Master	Autumn	6	optional course
Electronics	ELESB11102	Introduction to Informatics Engineering	Bachelor	Autumn	4	
Electronics	ELAUB11302	Mechatronic Equipment	Bachelor	Autumn	5	
Electronics	ELESB11301	Fundamentals of Electronics	Bachelor	Autumn	6	
Electronics	ELESB11302	Script Programming	Bachelor	Autumn	6	
Electronics	ELESB11502	Digital Devices	Bachelor	Autumn	6	
Electronics	ELESB11513	Operating System Concepts	Bachelor	Autumn	4	
Electronics	ELESB11519	Computerized Measurement Systems	Bachelor	Autumn	4	
Electronics	ELESB11520	Information Coding	Bachelor	Autumn	4	
Electronics	ELESB11522	Signals and Systems	Bachelor	Autumn	5	
Electronics	ELESB11515	Signals and Systems (project)	Bachelor	Autumn	3	
Electronics	ELESB11722	Digital Signal Processing Tools	Bachelor	Autumn	6	
Electronics	ELESB11724	Software Design	Bachelor	Autumn	6	
Electronics	ELESB11506	Theory of Electromagnetic Field	Bachelor	Autumn	4	prior agreement needed
Electronics	ELTLB11501	Telecommunications Theory	Bachelor	Autumn	5	prior agreement needed
Electronics	ELTLB11702	Telecommunication Technologies 2	Bachelor	Autumn	4	prior agreement needed
Electronics	ELESB11103	Fundamentals of Research and Innovations	Master	Autumn	4	
Electronics	ELTLM11101	Mathematical Modelling Technologies	Master	Autumn	7	
Electronics	ELETM11311	Wind energy systems	Master	Autumn	6	
Electronics	ELETM11312	Photovoltaic energy systems	Master	Autumn	6	

Electronics	ELETM11313	Electronic converters	Master	Autumn	8	
Electronics	ELETM11314	Modern Electrical Engineering	Master	Autumn	7	
Electronics		Bachelor Graduation Thesis	Bachelor	Autumn and spring	15	takes 2 semesters, prior agreement needed
Electronics		Master Graduation Thesis	Master	Autumn and spring	30	Please inform the department coordinator at VGTU about your areas of interest. It will help to choose the most appropriate supervisor and subjects. Prior agreement needed
Environmental Engineering	APPEB11103	Engineering Thermodynamics	Bachelor	Autumn	6	
Environmental Engineering	FMMAB11307	Mechanics of Materials	Bachelor	Autumn	5	
Environmental Engineering	FMSAB11310	Probability Theory and Mathematical Statistic	Bachelor	Autumn	7	
Environmental Engineering	MEMTB11331	Materials Science	Bachelor	Autumn	3	
Environmental Engineering	VVSEB14352	Economics	Bachelor	Autumn	3	
Environmental Engineering	APVIB15004	Engineering Hydraulics	Bachelor	Autumn	5	several group
Environmental Engineering	APPEB11106	Renewable Energy Technologies	Bachelor	Autumn	6	several group
Environmental Engineering	APPEB11108	Indoor Climate	Bachelor	Autumn	6	
Environmental Engineering	APPEB11109	Ventilation	Bachelor	Autumn	6	
Environmental Engineering	ARPKB11001	Building Structures	Bachelor	Autumn	4	
Environmental Engineering	VVSEB11554	Management	Bachelor	Autumn	3	
Environmental Engineering	APPEB11120	Air Conditioning	Bachelor	Autumn	5 (2 ECTS for project)	course project is included
Environmental Engineering	APASB11115	Waste Management and Reuse Technologies	Bachelor	Autumn	3	
Environmental Engineering	VVTEB14301	Law	Bachelor	Autumn	3	
Environmental Engineering	APASM14020	Environmental Protection Technologies	Master	Autumn	7	
Environmental Engineering	APASM11103	Cleaner Production	Master	Autumn	6	
Environmental Engineering	APVIM15201	Scientific Researches and Innovations	Master	Autumn	4	
Environmental Engineering	APASM11105	Anthropogenic Impact on Environment	Master	Autumn	5	
Environmental Engineering	APASM11111	Modelling of Environmental Processes	Master	Autumn	7	
Environmental Engineering	APASM11112	Atmosphere Controlling and Protection	Master	Autumn	7	
Environmental Engineering	APASM11113	Environmental Impact Assessment	Master	Autumn	5	
Environmental Engineering	APPEB15301	Informational Modelling of Systems	Bachelor	Autumn	3	
Environmental Engineering	APVTM15001	Ecological Design	Master	Autumn	5	
Environmental Engineering	APKLM14101	Scientific researches and innovations	Master	Autumn	3	

Environmental Engineering	APKLM14102	Innovative Pavement Structure Design	Master	Autumn	6	
Environmental Engineering	STTSM14103	Nonlinear Analysis of Reinforced Concrete Bridges	Master	Autumn	6	
Environmental Engineering	APKLM14104	Road Integrated Research	Master	Autumn	6	
Environmental Engineering	APKLM14105	Traffic Safety Management	Master	Autumn	6	
Environmental Engineering	STTSM14106	Steel-concrete Composite Bridge	Master	Autumn	6	
Environmental Engineering	STTSM14107	Computer Aided Design of Bridges	Master	Autumn	6	
Environmental Engineering	APKLM14302	Road and Streets Network Planning	Master	Autumn	6	
Environmental Engineering	STTSM14301	Composite materials for bridges	Master	Autumn	6	
Mechanics	MEMTB11344	Development of Materials and Technologies	Bachelor	Autumn	3	optional course
Mechanics	MEMIM13014	Supply Chain Management	Master	Autumn	4	optional course
Mechanics	MEMTB11303	Materials Science 2	Bachelor	Autumn	4	
Mechanics	MEPMB11301	Theory of Mechanisms and Machines	Bachelor	Autumn	7	course project is included
Mechanics	MEBMB11502	Automatic control	Bachelor	Autumn	5	
Mechanics	MEMTB14303	Materials in Mechatronics	Bachelor	Autumn	3	
Mechanics	MEMIB11501	Theory and Practice of Measurement	Bachelor	Autumn	6	course project is included
Mechanics	MEMIB14601	Quality Management	Bachelor	Autumn	3	
Mechanics	MEMIB13544	Machines of Energy Transformation	Bachelor	Autumn	6	course project is included
Mechanics	MEMIB11723	Design of Machines and Instrument 2	Bachelor	Autumn	7	Course project is included
Mechanics	MEMRB13702	Robotics	Bachelor	Autumn	8	Course project is included
Mechanics	MEMIB14503	Cutting Processes and Tools	Bachelor	Autumn	3	
Mechanics	MEMIB11731	Design of Tools and Devices	Bachelor	Autumn	4	
Mechanics	MEMIB11713	Bachelor Graduation Thesis 1	Bachelor	Autumn	3	Final Work (incompleted) in Mechanical Engineering. Requirement to be passed ≥ 180 ECTS from bachelor studies
Mechanics	MEMIB11814	Bachelor Graduation Thesis 2	Bachelor	Autumn	5	Final Work (incompleted) in Mechanical Engineering. Requirement to be passed Bachelor Graduation Thesis 1 and ≥ 207 ECTS from bachelor studies
Mechanics	MEMIM13001	Information Systems of Production Management	Master	Autumn	7	
Mechanics	MEMIM13002	Operations Research	Master	Autumn	7	
Mechanics	MEMIM13003	Innovation Strategy and Tactics	Master	Autumn	6	
Mechanics	MEMIM14101	Fundamentals of Research and Innovation	Master	Autumn	4	
Mechanics	MEMIM13011	Manufacturing Simulation and Industrial Production Systems	Master	Autumn	7	
Mechanics	MEMIM13012	Innovative Product Design	Master	Autumn	9	Course project is included

Mechanics	MEMIM13013	International Manufacturing	Master	Autumn	7	
Mechanics	MEMIM13016	Master Graduation Thesis 3	Master	Autumn	3	Final Work (incompleted) in Industrial Engineering and Innovation Management. Requirement to be passed Master Graduation Thesis 1 and 2, and ≥ 54 ECTS from master studies
Mechanics	MEMIM13010	Master Graduation Thesis 2	Master	Autumn	3	Final Work (incompleted) in Industrial Engineering and Innovation Management. Requirement to be passed Master Graduation Thesis 1 and ≥ 27 ECTS from master studies
Mechanics	MEMIM13004	Master Graduation Thesis 1	Master	Autumn	3	Final Work (incompleted) in Industrial Engineering and Innovation Management
Mechanics	MEMRM14303	Computer Integrated Manufacturing Systems	Master	Autumn	6	
Mechanics	MEMRM14301	Pneumatic and Hydraulic Systems	Master	Autumn	6	
Mechanics	MEMRM14103	Master Graduation Thesis 1	Master	Autumn	3	Final Work (incompleted) in Mechatronics.
Mechanics	MEMIM13010	Master Graduation Thesis 2	Master	Autumn	3	Final Work (incompleted) in Industrial Engineering and Innovation Management. Requirement to be passed Master Graduation Thesis 1 and ≥ 27 ECTS from master studies
Mechanics	MEMRM14302	Master Graduation Thesis 3	Master	Autumn	3	Final Work (incompleted) in Industrial Engineering and Innovation Management. Requirement to be passed Master Graduation Thesis 1 and 2, and ≥ 54 ECTS from master studies
Mechanics	MEMRM14105	Experimental Research of Mechatronic System	Master	Autumn	6	
Mechanics	MEMRM14102	Experimental Research of Mechatronic System	Master	Autumn	10	
Mechanics	MEMRM14104	Mechanics of Mechatronic and Robotic Systems	Master	Autumn	9(3)	Course project is included
Mechanics	MEMRM14101	Mechanics of Mechatronic and Robotic Systems	Master	Autumn	10 (3)	Course project is included
Transport Engineering	TIATB11321	Transport Means	Bachelor	Autumn	3	optional course
Transport Engineering	TITIB11709	Vehicle Dynamics	Bachelor	Autumn	5	individual course
Transport Engineering	TILTB14342	Basics of Transport Policy	Bachelor	Autumn	5	
Transport Engineering	TILTB14527	Services Marketing	Bachelor	Autumn	5	
Transport Engineering	TILTB14310	Transport Infrastructure	Bachelor	Autumn	4	
Transport Engineering	TITIM11125	The Use of the Finite Elements Method in Continuum Mechanics	Master	Autumn	6	

Transport Engineering	TILTB14517	Management and Organisation of Transport Enterprises	Bachelor	Autumn	4	
Transport Engineering	TITIB11711	Equipment of Manufacturing of the Road-Building Materials	Bachelor	Autumn	6	individual course
Transport Engineering	TITIB11503	Computer Aided Design and Modeling	Bachelor	Autumn	3	individual course
Fundamental Sciences	FMIGB11304	Applied Engineering Graphics	Bachelor	Autumn	3	
Fundamental Sciences	FMMMB11301	Applied Mathematics	Bachelor	Autumn	4	
Fundamental Sciences	FMITB11108	C Programming Language	Bachelor	Autumn	3	
Fundamental Sciences	FMCHB11101	Chemistry	Bachelor	Autumn	5	
Fundamental Sciences	FMCHB11110	Chemistry	Bachelor	Autumn	5	
Fundamental Sciences	FMISB14311	Computer Architecture and Networks	Bachelor	Autumn	6	
Fundamental Sciences	FMIGB11302	Computer Graphics	Bachelor	Autumn	4	
Fundamental Sciences	FMMMB14101	Discrete Mathematics 1	Bachelor	Autumn	3	
Fundamental Sciences	FMIGB11005	Engineering and Computer Graphics	Bachelor	Autumn	6	
Fundamental Sciences	FMIGB11101	General Engineering Graphics	Bachelor	Autumn	4	
Fundamental Sciences	FMITB11507	Human Computer Interaction	Bachelor	Autumn	3	
Fundamental Sciences	FMITB11110	Information Technologies	Bachelor	Autumn	7	
Fundamental Sciences	FMITB11121	Information Technologies	Bachelor	Autumn	3	
Fundamental Sciences	FMITB11127	Information Technology and Programming Introduction	Bachelor	Autumn	6	
Fundamental Sciences	FMISB14102	Introduction to Software Engineering	Bachelor	Autumn	3	
Fundamental Sciences	FMMMB11101	Mathematics 1	Bachelor	Autumn	6	
Fundamental Sciences	FMMMB11107	Mathematics 1	Bachelor	Autumn	7	
Fundamental Sciences	FMMMB11305	Mathematics 3	Bachelor	Autumn	6	
Fundamental Sciences	FMMMB11307	Mathematics 3	Bachelor	Autumn	7	
Fundamental Sciences	FMMMB11105	Mathematics 1	Bachelor	Autumn	3	
Fundamental Sciences	FMMMB11110	Mathematics 1	Bachelor	Autumn	7	
Fundamental Sciences	FMMTB13307	Mechanics of Materials	Bachelor	Autumn	5	
Fundamental Sciences	FMMTB13301	Mechanics of Materials 1	Bachelor	Autumn	4	
Fundamental Sciences	FMITB14307	Object-Oriented Programming	Bachelor	Autumn	6	
Fundamental Sciences	FMITB14505	Object-Oriented Programming Techniques	Bachelor	Autumn	6	
Fundamental Sciences	FMITB11101	Operating Systems	Bachelor	Autumn	6	
Fundamental Sciences	FMITB14501	Organisation of Computer Systems	Bachelor	Autumn	3	
Fundamental Sciences	FMFIB11318	Physics 2	Bachelor	Autumn	5	

Fundamental Sciences	FMITB11502	Principles of Project Management	Bachelor	Autumn	4	
Fundamental Sciences	FMSAB14325	Probability Theory and Mathematical Statistics	Bachelor	Autumn	6	
Fundamental Sciences	FMSAB14121	Fundamentals of Mathematical Analysis	Bachelor	Autumn	9	
Fundamental Sciences	FMGSB16102	Engineering and Computer Graphics	Bachelor	Autumn	3	
Fundamental Sciences	FMISB11127	Information Technology and Programming Introduction	Bachelor	Autumn	6	
Fundamental Sciences	FMISB14311	Architecture of Computers and Computer Networks	Bachelor	Autumn	6	
Fundamental Sciences	FMISB14102	Introduction to Software Engineering	Bachelor	Autumn	3	
Fundamental Sciences	FMMM11104	Scientific Researches and Innovations	Master	Autumn	6	
Fundamental Sciences	FMITB15537	Management of Database 1	Bachelor	Autumn	6	
Spring Semester Courses						
	KILKB11023	Lithuanian Language course for foreign students 1	A1	Both	3	Course starts in 3 weeks after beginning of the each semester
	KILKB11024	Lithuanian Language course for foreign students 2	A2	Both	3	Course starts in 3 weeks after beginning of the each semester
A. Gustaitis' Aviation Institute	AIAMB15609	Aviation engines	Bachelor	Spring	5	individual course
A. Gustaitis' Aviation Institute	AISVA15618	Air Law	B/M	Spring	4	
A. Gustaitis' Aviation Institute	AISVA11404	Fundamentals of Flight	B/M	Spring	4	
A. Gustaitis' Aviation Institute	AIAEB11806	Aviation Electronic Equipment (CP)	Bachelor	Spring	5	basics of electronics required
A. Gustaitis' Aviation Institute	AIAEB11803	Bachelor Graduation Thesis 2	Bachelor	Spring	6	individual course
A. Gustaitis' Aviation Institute	AIAEB11807	Aircraft aerodynamics and electronic control systems	Bachelor	Spring	4	individual course
A. Gustaitis' Aviation Institute	AIAEB11601	Aircraft digital techniques and electronic instrument systems	Bachelor	Spring	4	individual course
A. Gustaitis' Aviation Institute	AIAEM11212	Master Graduation Thesis 2	Master	Spring	3	individual course
Architecture	ARAGB11422	Sculpture and Painting	Bachelor	Spring	3	
Architecture	ARAPB11409	History of Architecture 2	Bachelor	Spring	4,5	
Architecture	ARARB11407	Composition: Tectonics in Architecture	Bachelor	Spring	3	project
Architecture	ARPKB11404	Multi-storey Buildings and Special Structures	Bachelor	Spring	3	
Architecture	ARARB11406	Technical and Working Project of a Multistoried Building (Complex Design)	Bachelor	Spring	11	project
Architecture	ARAGB11619	Language of Contemporary Arts and Architecture	Bachelor	Spring	3	

Architecture	ARAPB11615	Urban History and Composition	Bachelor	Spring	5	
Architecture	ARURB11604	Development Project of Small Town	Bachelor	Spring	9	project
Architecture	ARURB11605	Basics of Landscape Architecture	Bachelor	Spring	3	
Architecture	ARAPB08716	Protection of Monuments and Regeneration	Bachelor	Spring	3	
Architecture	ARARB08711	Interior Design	Bachelor	Spring	6	project and theory
Business Management	VVFRB11401	Accounting and Auditing	Bachelor	Spring	8 (3)	Divided into Exam 5 ECTS and Course Project 3 ECTS
Business Management	VVTEB15402	Business Law	Bachelor	Spring	4	
Business Management	VVFRB11601	Business Projects	Bachelor	Spring	6 (2)	Divided into Exam 4 ECTS and Course Project 2 ECTS
Business Management	VVFRB11618	Business Risk	Bachelor	Spring	3	
Business Management	KIHSB15603	Creative Economy	Bachelor	Spring	4	optional course
Business Management	FMSAB11407	Econometrics	Bachelor	Spring	4	optional course
Business Management	VVSEB15602	Economics of Public Sector	Bachelor	Spring	4	
Business Management	VVFRB15401	Enterprise Financial management	Bachelor	Spring	5	
Business Management	VVIEB11409	Entrepreneurship	Bachelor	Spring	6 (2)	Divided into Exam 4 ECTS and Course Project 2 ECTS
Business Management	VVEVM15202	EU Economic Integration	Master	Spring	7	optional course
Business Management	VVEVB15801	EU Economic Policy	Bachelor	Spring	3	
Business Management	VVFRB11802	Finance Management (complex project)	Bachelor	Spring	6	
Business Management	VVFRB11801	Financial Management	Bachelor	Spring	3	
Business Management	VVFRB11619	Financial Markets and Institutions	Bachelor	Spring	3	
Business Management	VVFRM13201	Financial Systems	Master	Spring	7(2)	Divided into Exam 5 ECTS and Course Project 2 ECTS
Business Management	VVIEB11407	Human resources management	Bachelor	Spring	4	
Business Management	VVVTB11801	Information Management Systems	Bachelor	Spring	3	
Business Management	VVEVB11602	Innovation Management	Bachelor	Spring	6	Divided into Exam 4 ECTS and Course Project 2 ECTS
Business Management	VVEVB15810	International Economic Organisations and their Policy	Bachelor	spring	3	
Business Management	VVEVB15811	International Economic Relations Design	Bachelor	spring	7,00 (3,0)	Divided into Exam 4 ECTS and Course Project 3 ECTS
Business Management	VVEVB15601	International Economics	Bachelor	Spring	3	
Business Management	VVEVB15401	International Economics	Bachelor	Spring	5	
Business Management	VVEVM15201	International Management	Master	Spring	7(2)	Divided into Exam 5 ECTS and Course Project 2 ECTS

Business Management	KIFKB15413	Logic	Bachelor	Spring	4	optional course
Business Management	VVVTB15601	Logistics	Bachelor	Spring	5	
Business Management	VVSEB15401	Macroeconomics	Bachelor	Spring	5	
Business Management	VVVTM13201	Managerial Information Technologies	Master	Spring	7	optional course
Business Management	VVEVB15802	Marketing Management	Bachelor	Spring	3	
Business Management	VVEVB11803	Marketing Management (Complex Course Project)	Bachelor	Spring	6	
Business Management	VVFRM13203	Master Graduation Thesis 2	Master	Spring	3	
Business Management	VVEVM13202	Master Graduation Thesis 2	Master	Spring	3	
Business Management	VVFRB11602	Multinational Finance	Bachelor	Spring	6 (2)	Divided into Exam 4 ECTS and Course Project 2 ECTS
Business Management	KIFKB15602	Philosophy of Economics	Bachelor	Spring	3	
Business Management	VVFRB11609	Pricing	Bachelor	Spring	5	
Business Management	VVEVB15812	Processes of Globalisation	Bachelor	spring	3	
Business Management	VVIEB11677	Production Economics	Bachelor	Spring	4	optional course
Business Management	VVFRB15601	Public Finance	Bachelor	Spring	4	
Business Management	VVIEM13204	Quantitative experts solution methods	Master	Spring	7	
Business Management	VVVTB15402	Quantitative Methods in Economics	Bachelor	Spring	7 (3)	Divided into Exam 4 ECTS and Course Project 3 ECTS
Business Management	VVEVB15402	Regional Economics II: China	Bachelor	Spring	3	optional course
Business Management	VVEVB15404	Regional Economics II: Nordic countries	Bachelor	Spring	3	optional course
Business Management	VVEVB15403	Regional Economics II: Russian and other CSI countries	Bachelor	Spring	3	optional course
Business Management	VVFRB11611	Risk Management	Bachelor	Spring	7 (2)	Divided into Exam 5 ECTS and Course Project 2 ECTS
Business Management	VVFRB11414	Statistics for Economics and Economical Forecasting	Bachelor	Spring	4	optional course
Business Management	FMSAB11407	Econometrics	Bachelor	Spring	4	optional course
Business Management	KIHSB14641	Business Philosophy	Bachelor	Spring	3	
Business Management	VVFRB14603	Financial Analysis	Bachelor	Spring	7 (2)	Divided into Exam 5 ECTS and Course Project 2 ECTS
Business Management	VVFRB14604	International Finance	Bachelor	Spring	4	
Business Management	VVFRB14605	Valuation of Financial Instruments	Bachelor	Spring	4	
Business Management	VVFRB14606	Insurance Finance	Bachelor	Spring	4	
Business Management	VVFRB11813	Economic Forecasting	Bachelor	Spring	7 (3)	Divided into Exam 4 ECTS and Course Project 3 ECTS

Business Management	<u>VVFRB11814</u>	Economics of Risk	Bachelor	Spring	3	
Business Management	<u>VVFRB11815</u>	Value Engineering	Bachelor	Spring	3	
Business Management	<u>VVEVM13209</u>	Global Communications, Marketing and Public Relations	Master	Spring	7 (2)	Divided into Exam 5 ECTS and Course Project 2 ECTS
Business Management	<u>VVEVM13211</u>	Master Graduation Thesis 2	Master	Spring	3	
Business Management	<u>VVEVM13212</u>	Trade and Investments in Global Market	Master	Spring	7	
Business Management	<u>VVEVM13208</u>	Innovation Theory	Master	Spring	7	optional course
Business Management	<u>VVFRM13214</u>	Financial Systems	Master	Spring	7	optional course
Civil Engineering	<u>STSTB11422</u>	Construction Process Technology	Bachelor	Spring	5	
Civil Engineering	<u>STGKB11602</u>	Reinforced Concrete Structures 2	Bachelor	Spring	4	
Civil Engineering	<u>STKMB11642</u>	Applied Mathematics and Mechanics	Bachelor	Spring	4	
Civil Engineering	<u>STKMB11686</u>	Fundamentals of Elasticity Theory	Bachelor	Spring	3	
Civil Engineering	<u>STMKB11602</u>	Steel Structures 2	Bachelor	Spring	5 (2 ECTS for the project)	course project is included
Civil Engineering	<u>STSEB11606</u>	Construction Economics and Organization	Bachelor	Spring	3	
Civil Engineering	<u>STGTB11819</u>	Foundation Engineering	Bachelor	Spring	4,5	
Civil Engineering	<u>STTSB11813</u>	Fundamental Design of Bridges	Bachelor	Spring	3	
Civil Engineering	<u>STSEB11814</u>	Fundamental of Construction Projects Management	Bachelor	Spring	3	
Civil Engineering	<u>STMKB11807</u>	Aluminium and Structural Glass Structures	Bachelor	Spring	3	
Civil Engineering	<u>STKMM11307</u>	Analysis and Optimal Shakedown Design of Structures	Master	-	8	Semester is not important
Civil Engineering	<u>STSMM11243</u>	Chemistry of Building Materials	Master	Spring	5	
Civil Engineering	<u>STSMM11345</u>	Materials of Modified Structures	Master	Spring	6	
Civil Engineering	<u>STSMM11349</u>	Technology of Composite Items for Construction	Master	Spring	6	
Civil Engineering	<u>STSMM11142</u>	Structure of Aliumosilicate Materials and Their Properties	Master	Spring	6	
Civil Engineering	<u>STSMM11156</u>	Testing methodes of building materials	Master	Spring	5	
Civil Engineering	<u>STSMM11357</u>	Concrete Science	Master	Spring	6	
Creative Industries	<u>ARDKB13624</u>	Contemporary Visual Art as Communication	Bachelor	spring	5(2)	course project is included
Creative Industries	<u>KIKVB11601</u>	Marketing communications	Bachelor	Spring	5	individual courses
Creative Industries	<u>KIKVB12601</u>	Qualitative Media Reaseach Methods	Bachelor	Spring	5 (1)	course project is included
Creative Industries	<u>KIFKB15606</u>	Cultural Narratives	Bachelor	Spring	5	
Creative Industries	<u>KIKVB12604</u>	Complex project	Bachelor	Spring	7	individual courses
Creative Industries	<u>KIFKB15609</u>	Sports Industry		Spring	6	

Creative Industries	KIKVB11606	Theatrical communication: theory and practice		Spring	6	
Creative Industries	KIKVB11607	Theories of Mass Communication		Spring	6	
Creative Industries	VVEVB12401	Entertainment Marketing		Spring	3	
Electronics	ELAUM11201	Modern Electric Drives	Master	Spring	6	optional course
Electronics	ELAUM11212	Theory and Practice of Measurements	Master	Spring	6	optional course
Electronics	ELAUB11202	Electrical Engineering	Bachelor	Spring	6	
Electronics	ELESB11401	Electronic Devices	Bachelor	Spring	6	
Electronics	ELESB11403	Computer Architecture	Bachelor	Spring	6	
Electronics	ELESB11409	Information Systems Analysis	Bachelor	Spring	6	
Electronics	ELKIB11402	Databases	Bachelor	Spring	3	
Electronics	ELAUB11601	Human Safety	Bachelor	Spring	3	
Electronics	ELESB11604	Computer Networks	Bachelor	Spring	4	
Electronics	ELESB11609	Digital Signal Processing	Bachelor	Spring	4	
Electronics	ELESB11612	Microcontrollers Systems	Bachelor	Spring	5	
Electronics	ELKIB11620	Computer Peripherals	Bachelor	Spring	5	
Electronics	ELKIB11621	Microprocessors and their Programming	Bachelor	Spring	5	
Electronics	ELESB11805	Network Programming	Bachelor	Spring	4	
Electronics	ELESB11808	Multimedia Technologies	Bachelor	Spring	3	
Electronics	ELESB11813	CIS Development (project)	Bachelor	Spring	5	
Electronics	ELKIB11606	Microwave Technology	Bachelor	Spring	4	prior agreement needed
Electronics	ELTLB11603	Information Transmission Systems	Bachelor	Spring	5	prior agreement needed
Electronics	ELTLB11605	Information Transmission Systems (project)	Bachelor	Spring	3	prior agreement needed
Electronics	ELTLB11604	Telecommunication Technologies 1	Bachelor	Spring	6	prior agreement needed
Electronics	ELTLB11808	Integrated Services Networks and Cloud Technologies	Bachelor	Spring	6	prior agreement needed
Electronics	ELTLB11809	Social Networking Technologies	Bachelor	Spring	5	prior agreement needed
Electronics	APPEM11253	Energy Technologies	Master	Spring	5	
Electronics	ELETM11202	Electrical Power Systems	Master	Spring	7	Deep knowledge of electronics and electrical engineering is required
Electronics	ELETM11203	Systemotechnique, Gauges and Converters	Master	Spring	6	Deep knowledge of electronics and electrical engineering is required
Electronics		Final thesis	Master	Spring	30	prior agreement needed
Environmental Engineering	APGDB11042	Engineering Geodesy	Bachelor	Spring	4	
Environmental Engineering	APVIB15003	Fluid Mechanics	Bachelor	Spring	5	

Environmental Engineering	APPEB11104	Heat and Mass Transfer	Bachelor	Spring	6	several group
Environmental Engineering	APPEB11105	Fluid Machinery	Bachelor	Spring	3	
Environmental Engineering	ELETB11411	Electronics and Electrical Engineering	Bachelor	Spring	5	
Environmental Engineering	APPEB11110	Heat Production	Bachelor	Spring	5	
Environmental Engineering	APPEB11111	Buildings' Heating Systems	Bachelor	Spring	6	
Environmental Engineering	APPEB11112	Integrated Project 1 (Building Services)	Bachelor	Spring	5	
Environmental Engineering	APVIB15014	Technologies of water resources	Bachelor	Spring	3	
Environmental Engineering	STDGB11032	Human's Safety	Bachelor	Spring	3	
Environmental Engineering	VVFRB14601	Business Projects	Bachelor	Spring	4	
Environmental Engineering	APGDB11047	Geoinformation Systems	Bachelor	Spring	3	
Environmental Engineering	ELETB11811	Control of Technical Systems	Bachelor	Spring	4	
Environmental Engineering	APASM11107	Environment Policy, Law and Economy	Master	Spring	6	
Environmental Engineering	APASM11108	Environmental Management	Master	Spring	8	
Environmental Engineering	APASM11109	Waste Management	Master	Spring	8	
Environmental Engineering	APMSM11227	Theory of Territorial Planning	Master	Spring	8	
Environmental Engineering	VVEVM11212	Engineering Management	Master	Spring	5	
Fundamental Sciences	FMCHB11202	Chemistry	Bachelor	Spring	3	
Fundamental Sciences	FMITB14408	Cloud Computing	Bachelor	Spring	6	
Fundamental Sciences	FMMMB14202	Discrete Mathematics 2	Bachelor	Spring	6	
Fundamental Sciences	FMMTB13251	Engineering Mechanics	Bachelor	Spring	6	
Fundamental Sciences	FMMTB13252	Engineering Mechanics	Bachelor	Spring	5	
Fundamental Sciences	FMMTB13253	Engineering Mechanics	Bachelor	Spring	5	
Fundamental Sciences	FMIGB11203	General Engineering Graphics	Bachelor	Spring	3	
Fundamental Sciences	FMMMB11210	Mathematics 2	Bachelor	Spring	5	
Fundamental Sciences	FMMMB11213	Mathematics 2	Bachelor	Spring	8	
Fundamental Sciences	FMMTB13409	Mechanics of Materials	Bachelor	Spring	6	
Fundamental Sciences	FMITB11414	Object-Oriented Design	Bachelor	Spring	3	
Fundamental Sciences	FMITB14207	Procedural Programming	Bachelor	Spring	6	
Fundamental Sciences	FMISB14468	Software Systems Engineering	Bachelor	Spring	6	
Fundamental Sciences	FMMTB13401	Mechanics of Materials 2	Bachelor	Spring	3	
Fundamental Sciences	FMISB14833	Information Security Fundamentals	Bachelor	Spring	3	
Fundamental Sciences	FMISB14204	Algorithm and Data Structura	Bachelor	Spring	6	
Fundamental Sciences	FMISB14468	Software Systems Engineering	Bachelor	Spring	3	

Fundamental Sciences	<u>FMISB14620</u>	Artificial Intelligence and Knowledge Systems	Bachelor	Spring	3	
Fundamental Sciences	<u>FMITB15604</u>	Management of Database 2	Bachelor	Spring	3	
Fundamental Sciences	<u>FMITB15605</u>	Fundamentals of Business Process Management	Bachelor	Spring	6	
Mechanics	<u>MEMTB11201</u>	Materials science 1	Bachelor	Spring	3	
Mechanics	<u>MEMIB13402</u>	Mechanical, laser and another manufacturing technologies	Bachelor	Spring	3	
Mechanics	<u>MEPMB11401</u>	Machine Elements	Bachelor	Spring	5	course project is included
Mechanics	<u>MEMIB13607</u>	Production Technology of Machines and Instruments	Bachelor	Spring	4	
Mechanics	<u>MEMIB13608</u>	Design of Machines and Instrument 1	Bachelor	Spring	4	
Mechanics	<u>MEMRB13609</u>	CAD/CAM/CAE	Bachelor	Spring	5	
Mechanics	<u>MEMIB13629</u>	Computer Aided Design of Technological Processes	Bachelor	Spring	3	
Mechanics	<u>MEMIB11819</u>	Tribology	Bachelor	Spring	3	
Mechanics	<u>MEMIB11820</u>	Equipment Assembly Technology	Bachelor	Spring	4,0	
Mechanics	<u>MEMTB11828</u>	Joining Technologies	Master	Spring	3	
Mechanics	<u>MEMIM13005</u>	Investment Management	Master	Spring	4	
Mechanics	<u>MEMIM13007</u>	Improvement and Innovation of Manufacturing Process	Master	Spring	8	course project is included
Mechanics	<u>MEMIM13008</u>	Design for Quality	Master	Spring	6	
Mechanics	<u>MEMIM13009</u>	Markets of Industrial Products and Their Competitiveness	Master	Spring	4	
Mechanics	<u>MEMRM13310</u>	Modeling of Mechatronic Systems	Master	Spring	9(2)	course project is included
Mechanics	<u>MEMRM14205</u>	Modeling of Mechatronic Systems	Master	Spring	9(2)	course project is included
Mechanics	<u>MEMRM14206</u>	Control of Mechatronic Systems	Master	Spring	6	
Mechanics	<u>MEMRM13311</u>	Control of Mechatronic Systems	Master	Spring	6	
Mechanics	<u>MEMRM14203</u>	Diagnostics in Mechatronics	Master	Spring	6	
Mechanics	<u>MEMRM14204</u>	Sensors in Mechatronics	Master	Spring	6	optional course
Mechanics	<u>MEMRM14202</u>	Smart Materials in Mechatronics	Master	Spring	6	optional course
Mechanics	<u>MEMIB14606</u>	Ecological Design	Bachelor	Spring	5	
Mechanics	<u>MEMIB11713</u>	Bachelor Graduation Thesis 1	Bachelor	Spring	3	Final Work (incompleted) in Mechanical Engineering. Requirement to be passed ≥ 180 ECTS from bachelor studies
Mechanics	<u>MEMIB11814</u>	Bachelor Graduation Thesis 2	Bachelor	Spring	5	Final Work (incompleted) in Mechanical Engineering. Requirement to be passed Bachelor Graduation Thesis 1 and ≥ 207 ECTS from bachelor studies

Mechanics	MEMIB11815	Bachelor Graduation Thesis 3	Bachelor	Spring	10	Final Work (completed and defended) in Mechanical Engineering. Requirement to be passed Bachelor Graduation Thesis 1 and 2, and ≥ 207 ECTS from bachelor studies
Mechanics	MEMRM14103	Master Graduation Thesis 1	Master	Spring	3	Final Work (incompleted) in Mechatronics.
Mechanics	MEMRM14201	Master Graduation Thesis 2	Master	Spring	3	Final Work (incompleted) in Mechatronics. Requirement to be passed Master Graduation Thesis 1 and ≥ 27 ECTS from master studies
Mechanics	MEMRM14302	Master Graduation Thesis 3	Master	Spring	3	Final Work (incompleted) in Mechatronics. Requirement to be passed Master Graduation Thesis 1 and 2, and ≥ 54 ECTS from master studies
Mechanics	MEMRM14401	Master Graduation Thesis 4	Master	Spring	30	Final Work (completed and defended) in Mechatronics. Requirement to be passed Master Graduation Thesis 1, 2 and 3, and ≥ 81 ECTS from master studies
Mechanics	MEMIM13004	Master Graduation Thesis 1	Master	Spring	3	Final Work (incompleted) in Industrial Engineering and Innovation Management
Mechanics	MEMIM13010	Master Graduation Thesis 2	Master	Spring	3	Final Work (incompleted) in Industrial Engineering and Innovation Management. Requirement to be passed Master Graduation Thesis 1 and ≥ 27 ECTS from master studies
Mechanics	MEMIM13016	Master Graduation Thesis 3	Master	Spring	3	Final Work (incompleted) in Industrial Engineering and Innovation Management. Requirement to be passed Master Graduation Thesis 1 and 2, and ≥ 54 ECTS from master studies
Mechanics	MEMIM13017	Master Graduation Thesis 4	Master	Spring	30	Final Work (completed and defended) in Industrial Engineering and Innovation Management. Requirement to be passed Master Graduation Thesis 1, 2 and 3, and ≥ 81 ECTS from master studies
Transport Engineering	TILTB14608	Basics of Logistics	Bachelor	Spring	5	
Transport Engineering	TILTB14811	Warehouse Logistics	Bachelor	Spring	3	
Transport Engineering	TIGEB11605	Railway Traffic Safety	Bachelor	Spring	4	individual course
Transport Engineering	TILTB14638	Freight Forwarding of International Trade	Bachelor	Spring	4	

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