

**VILNIUS GEDIMINAS TECHNICAL UNIVERSITY (VILNIUS TECH)**  
**LIST OF COURSES OFFERED IN ENGLISH (updated on 17th October 2022)**  
**2022/2023 ACADEMIC YEAR**



Pages 1-14 Autumn/Winter semester's courses  
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new course  
 cancelled course

For course descriptions please go to our [website](#).

<b>AUTUMN SEMESTER COURSES</b>					
Faculty	Department	Course Code	Course Title	Level	ECTS
Antanas Gustaitis' Aviation Institute	Aviation Technologies	AISVA19501	Air Law	Integrated	6
Antanas Gustaitis' Aviation Institute	Aviation Technologies	AISVA16510	Air Traffic Control Rules and Procedures	Integrated	3
Antanas Gustaitis' Aviation Institute	Aviation Technologies	AISVA16711	Air Traffic Organization	Integrated	6
Antanas Gustaitis' Aviation Institute	Aviation Technologies	AISVA16911	Area Air Traffic Control Technologies	Integrated	6
Antanas Gustaitis' Aviation Institute	Aviation Technologies	AISVA19301	Aviation English 1	Integrated	6
Antanas Gustaitis' Aviation Institute	Aviation Technologies	AISVA19503	Aviation English 3	Integrated	3
Antanas Gustaitis' Aviation Institute	Aviation Technologies	AISVA19702	Aviation English 5	Integrated	6
Antanas Gustaitis' Aviation Institute	Aeronautical Engineering	AIAIB22502	Communication Systems and Electrical Equipment of Air Traffic Control Centres	Integrated	6
Antanas Gustaitis' Aviation Institute	Aeronautical Engineering	AIAIA17024	Fundamentals of Research and Innovation	Integrated	6
Antanas Gustaitis' Aviation Institute	Aeronautical Engineering	AIAIA22502	General knowledge of aircraft: power plant	Integrated	6
Antanas Gustaitis' Aviation Institute	Aviation Technologies	AISVA19502	Human Performance and Limitation	Integrated	6
Antanas Gustaitis' Aviation Institute	Aeronautical Engineering	AIAIA21117	Principles of Flight and Aircraft Performance	Integrated	6
Antanas Gustaitis' Aviation Institute	Aeronautical Engineering	AIAIB21150	Aerodynamics of Airplane	Bachelor	6
Antanas Gustaitis' Aviation Institute	Aeronautical Engineering	AIAIB19301	Air Traffic Control Equipment and Systems	Bachelor	3

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Antanas Gustaitis' Aviation Institute	Aeronautical Engineering	AIAB21152	Aircraft Engines	Bachelor	6
Antanas Gustaitis' Aviation Institute	Aeronautical Engineering	AIAB17151	Structure of Aircraft	Bachelor	6
Antanas Gustaitis' Aviation Institute	Aeronautical Engineering	AIAM22300	Aerospace Structures and Materials	Master	6
Antanas Gustaitis' Aviation Institute	Aeronautical Engineering	AIAM22101	Introduction to UAV Technology	Master	6
Antanas Gustaitis' Aviation Institute	Aeronautical Engineering	AIAM22301	Remote Monitoring	Master	6
Antanas Gustaitis' Aviation Institute	Aeronautical Engineering	AIAM17184	Research Work 1 (prior agreement with faculty coordinator)	Master	3
Antanas Gustaitis' Aviation Institute	Aeronautical Engineering	AIAM22100	Spacecraft System Engineering	Master	6
Architecture	Urban Design	ARURA16001	Architecture and Community (2nd year course)	Integrated	15
Architecture	Architecture	ARARA19701	Architecture and Contexts (4th year course)	Integrated	15
Architecture	Urban Design	ARURA19004	Architecture and Contexts (4th year course)	Integrated	15
Architecture	Architecture	ARARA17011	Architecture and Innovation (5th year course)	Integrated	15
Architecture	Urban Design	ARURA16008	Architecture and Innovations (5th year course)	Integrated	15
Architecture	Architecture	ARARA17006	Architecture and Society (3rd year course)	Integrated	15
Architecture	Architecture	ARARA22905	Contemporary Artistic Expression in Architecture (5th year course)	Integrated	6
Architecture	Architectural Fundamentals, Theory and Arts	ARPGA17002	Drawing 1 (1st year course)	Integrated	6
Architecture	Architecture	ARARA22901	Experimental Architecture (5th year course)	Integrated	3
Architecture	Architectural Fundamentals, Theory and Arts	ARPGA17009	Fundamentals of Architecture (1st year course)	Integrated	15
Architecture	Architectural Fundamentals, Theory and Arts	ARPGA17011	History of Architecture 2 (2nd year course)	Integrated	3

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Architecture	Architectural Fundamentals, Theory and Arts	ARPGA17013	Modern and Contemporary Architecture (3rd year course)	Integrated	3
Architecture	Architecture	ARARA16015	Practice of Building Typology (1st year course)	Integrated	3
Architecture	Architecture	ARARA16004	Scale in Architecture (2nd year course)	Integrated	3
Architecture	Architectural Fundamentals, Theory and Arts	ARPGA17004	Sculpture and Painting Backgrounds (2nd year course)	Integrated	3
Architecture	Architecture	ARARA16007	Tectonics in Architecture (3rd year course)	Integrated	3
Architecture	Architecture	ARARA16001	Typology of Buildings (1st year course)	Integrated	3
Architecture	Urban Design	ARURA17003	Urban Structures (3rd year course)	Integrated	15
Business Management	Law	VVTEA16402	Architectural Law	Integrated	3
Business Management	Management	VVKA17133	Management	Integrated	3
Business Management	Business Technologies and Entrepreneurship	VVTVB19101	Business Fundamentals	Bachelor	3
Business Management	Economics Engineering	VVEIB17112	Comparative Economics	Bachelor	3
Business Management	Management	VVKB19706	Consumer Behaviour	Bachelor	6
Business Management	Law	VVTEB16301	Contract Law	Bachelor	3
Business Management	Management	VVKB19705	Course Project of Consumer Behaviour	Bachelor	3
Business Management	Business Technologies and Entrepreneurship	VVTVB17072	Course Project of Enterprise Organization and Management	Bachelor	3
Business Management	Economics Engineering	VVEIB17279	Course Project of Quantitative Modelling Methods	Bachelor	3
Business Management	Business Technologies and Entrepreneurship	VVTVB17182	E-business	Bachelor	3
Business Management	Economics Engineering	VVEIB17093	Economic Analysis	Bachelor	6
Business Management	Economics Engineering	VVEIB17190	Economics	Bachelor	3
Business Management	Economics Engineering	VVEIB17161	Economics of Human Resource	Bachelor	3

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Business Management	Business Technologies and Entrepreneurship	VVTVB22201	Engineering Principles	Bachelor	3
Business Management	Business Technologies and Entrepreneurship	VVTVB17068	Enterprise Organization and Management	Bachelor	6
Business Management	Financial Engineering	VVFRB19701	Financial Engineering	Bachelor	3
Business Management	Law	VVTEB16502	Financial Law	Bachelor	3
Business Management	Economics Engineering	VVEIB17022	Fundamentals of EU Studies	Bachelor	3
Business Management	Law	VVTEB16203	Fundamentals of Law	Bachelor	3
Business Management	Law	VVTEB16702	Informatics Law	Bachelor	3
Business Management	Financial Engineering	VVFRB17705	Investment Management	Bachelor	3
Business Management	Law	VVTEB16112	Law	Bachelor	3
Business Management	Economics Engineering	VVEIB17186	Macroeconomics	Bachelor	6
Business Management	Management	VVVKB17164	Management	Bachelor	3
Business Management	Management	VVVKB17170	Management	Bachelor	3
Business Management	Financial Engineering	VVFRB16504	Management Accounting	Bachelor	6
Business Management	Management	VVVKB17030	Management Psychology	Bachelor	3
Business Management	Management	VVVKB17031	Marketing	Bachelor	3
Business Management	Management	VVVKB17033	Marketing	Bachelor	6
Business Management	Economics Engineering	VVEIB17117	Microeconomics	Bachelor	6
Business Management	Financial Engineering	VVFRB17704	Personal Finance	Bachelor	3
Business Management	Financial Engineering	VVFRB22501	Pricing	Bachelor	6
Business Management	Economics Engineering	VVEIB20101	Principles of Economics	Bachelor	3
Business Management	Business Technologies and Entrepreneurship	VVTVB17183	Production Technology and Management (with course work)	Bachelor	6
Business Management	Management	VVVKB17077	Professional Practice	Bachelor	12
Business Management	Business Technologies and Entrepreneurship	VVTVB17271	Project Preparation and Evaluation	Bachelor	3
Business Management	Economics Engineering	VVEIB17281	Quantitative Methods for Decision Making	Bachelor	6
Business Management	Economics Engineering	VVEIB20301	Quantitative Modelling Methods	Bachelor	6

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Business Management	Management	VVKB17105	Strategic Management	Bachelor	3
Business Management	Business Technologies and Entrepreneurship	VTVB17180	Total Quality Management	Bachelor	3
Business Management	Management	VVKM17060	International Marketing and Communication (with course project)	Master	6
Business Management	Management	VVKM20300	Leadership in Organizations (with course project)	Master	6
Business Management	Management	VVKM17283	Management Theory	Master	6
Business Management	Economics Engineering	VVEIM17401	Methodology of Scientific Research	Master	6
Business Management	Management	VVKM21101	Modern Organization Management	Master	9
Business Management	Management	VVKM21103	Organizational Behavior and Leadership	Master	9
Business Management	Economics Engineering	VVEIM17108	Quantitative and Expert Solution Methods	Master	6
Business Management	Management	VVKM21102	Strategic Analysis of Business	Master	9
Civil Engineering	Reinforced Concrete Structures and Geotechnics	STGGB17189	Basics of Soil Mechanics	Bachelor	3
Civil Engineering	Reinforced Concrete Structures and Geotechnics	STGGB17271	Building Architecture and Structures	Bachelor	6
Civil Engineering	Reinforced Concrete Structures and Geotechnics	STGGB17272	Building Architecture and Structures (course work)	Bachelor	3
Civil Engineering	Construction Management and Real Estate	STVNB17063	Construction Economics	Bachelor	3
Civil Engineering	Applied Mechanics	STTMB17107	Dynamics and Stability of Buildings	Bachelor	3
Civil Engineering	Building Materials and Fire Safety	STGSB17038	Human's Safety	Bachelor	3
Civil Engineering	Building Materials and Fire Safety	STGSB17049	Human's Safety	Bachelor	3
Civil Engineering	Building Materials and Fire Safety	STGSB17036	Human's Safety and Environmental Protection	Bachelor	3
Civil Engineering	Applied Mechanics	STTMB17047	Integral Mechanics	Bachelor	6

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Civil Engineering	Reinforced Concrete Structures and Geotechnics	STGGB17048	Masonry and Composite Structures	Bachelor	3
Civil Engineering	Building Materials and Fire Safety	STGSB17170	Materials Science and Building Materials	Bachelor	3
Civil Engineering	Applied Mechanics	STTMB17046	Mechanics of Materials	Bachelor	6
Civil Engineering	Reinforced Concrete Structures and Geotechnics	STGGB17031	Reinforced Concrete Structures 1	Bachelor	6
Civil Engineering	Steel and Composite Structures	STMEB17022	Steel Structures 1	Bachelor	6
Civil Engineering	Applied Mechanics	STTMB17103	Structural Mechanics and Fundamentals of Elasticity Theory	Bachelor	6
Civil Engineering	Steel and Composite Structures	STMEB17037	Timber Structures	Bachelor	3
Civil Engineering	Reinforced Concrete Structures and Geotechnics	STGGM17137	Design of Precast and Prestressed Reinforced Concrete Structures	Master	9
Civil Engineering	Building Materials and Fire Safety	STGSM17122	Fundamentals of Research and Innovation	Master	3
Civil Engineering	Reinforced Concrete Structures and Geotechnics	STGGM17115	Modelling and Computer Analysis of Structure (with course project)	Master	9
Civil Engineering	Steel and Composite Structures	STMEM17071	Nonlinear Analysis and Design of Steel Structures	Master	6
Civil Engineering	Reinforced Concrete Structures and Geotechnics	STGGM17117	Reinforced Concrete Thin-Walled Spatial Structures	Master	9
Civil Engineering	Steel and Composite Structures	STMEM17122	Stability of Steel Structures	Master	6
Creative Industries	Philosophy and Cultural Studies	KIFSB18302	Creative Writing	Integrated	3
Creative Industries	Philosophy and Cultural Studies	KIFSB17128	Ethics	Integrated	3
Creative Industries	Philosophy and Cultural Studies	KIFSA17006	Logic	Integrated	3
Creative Industries	Philosophy and Cultural Studies	KIFSB17127	Logic	Integrated	3
Creative Industries	Philosophy and Cultural Studies	KIFSB17146	Philosophy of Technology	Integrated	3
Creative Industries	Philosophy and Cultural Studies	KIFSA17209	Sociology	Integrated	3
Creative Industries	Creative Communication	KIKOB17050	Business Communication	Bachelor	6
Creative Industries	Entertainment Industries	KIPB18508	Audiovisual Projects	Bachelor	6

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Creative Industries	Creative Communication	KIKOB17052	Creative Business	Bachelor	6
Creative Industries	Creative Communication	KIKOB18701	Electronic Communication and Social Networks	Bachelor	6
Creative Industries	Foreign Languages	KIUSB18101	English for Creative Communication	Bachelor	3
Creative Industries	Foreign Languages	KIUSB17101	English Language	Bachelor	3
Creative Industries	Foreign Languages	KIUSB18104	English Language for the Media	Bachelor	3
Creative Industries	Philosophy and Cultural Studies	KIFSB17126	Ethics	Bachelor	3
Creative Industries	Entertainment Industries	KIPIB18505	Film Industry	Bachelor	3
Creative Industries	Creative Communication	KIKOB20101	Introduction to the Speciality	Bachelor	3
Creative Industries	Creative Communication	KIKOB18501	Journalism and Content Strategy	Bachelor	6
Creative Industries	Lithuanian Language	KILSB18001	Lithuanian Language 1 (for foreign students)	Bachelor	3
Creative Industries	Philosophy and Cultural Studies	KIFSB18301	Media Ethics	Bachelor	3
Creative Industries	Creative Communication	KIKOB17054	Media Studies (with course work)	Bachelor	6
Creative Industries	Entertainment Industries	KIPIB17070	Music Industry	Bachelor	3
Creative Industries	Philosophy and Cultural Studies	KIFSB17109	Philosophy	Bachelor	3
Creative Industries	Philosophy and Cultural Studies	KIFSB17108	Philosophy	Bachelor	3
Creative Industries	Philosophy and Cultural Studies	KIFSB22146	Philosophy of Technology	Bachelor	3
Creative Industries	Entertainment Industries	KIPIB20501	Photography studies	Bachelor	6
Creative Industries	Creative Communication	KIKOB18201	Popular Culture Studies (with course work)	Bachelor	6
Creative Industries	Creative Communication	KIKOB18301	Quantitative Research (with course work)	Bachelor	6
Creative Industries	Entertainment Industries	KIPIB18303	Script Writing	Bachelor	3
Creative Industries	Creative Communication	KIKOB17210	Sociology	Bachelor	6
Creative Industries	Foreign Languages	KIUSB17098	Speciality English Language 1 (for Business Management faculty students)	Bachelor	3
Creative Industries	Foreign Languages	KIUSB17170	Speciality English Language 2 (for Business Management faculty students)	Bachelor	3

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Creative Industries	Foreign Languages	KIUSB17179	Speciality English Language <i>(for Mechanics and Electronics faculty students)</i>	Bachelor	3
Creative Industries	Foreign Languages	KIUSB17167	Speciality English Language <i>(for Transport Engineering faculty students)</i>	Bachelor	3
Electronics	Computer Science and Communications Technologies	ELKRB16516	Development of Microcontroller-Based Devices	Bachelor	3
Electronics	Electrical Engineering	ELEIB16761	Digital Automatics (with course project)	Bachelor	6
Electronics	Electronic Systems	ELESB16502	Digital Devices	Bachelor	6
Electronics	Electronic Systems	ELESB20722	Digital Signal Processing Tools	Bachelor	6
Electronics	Electrical Engineering	ELEIB16563	Electric Drives	Bachelor	3
Electronics	Electrical Engineering	ELEIB16503	Electrical Engineering and Electronics	Bachelor	3
Electronics	Electrical Engineering	ELEIB16501	Electronics	Bachelor	3
Electronics	Electronic Systems	ELESB16301	Fundamentals of Electronics	Bachelor	6
Electronics	Electronic Systems	ELESB16520	Information Coding	Bachelor	3
Electronics	Electrical Engineering	ELEIB16351	Mechatronic Equipment	Bachelor	6
Electronics	Electronic Systems	ELESB16504	Operating System Concepts	Bachelor	3
Electronics	Electronic Systems	ELESB16513	Operating System Concepts	Bachelor	6
Electronics	Computer Science and Communications Technologies	ELKRB20703	Programable Microsystems	Bachelor	3
Electronics	Electronic Systems	ELESB16302	Script Programming	Bachelor	6
Electronics	Electronic Systems	ELESB16501	Signals and Circuits 2	Bachelor	6
Electronics	Electronic Systems	ELESB16522	Signals and Systems	Bachelor	6
Electronics	Electronic Systems	ELESB20724	Software Design	Bachelor	6
Electronics	Computer Science and Communications Technologies	ELKRB16514	The Basics of Microcontrollers	Bachelor	6
Electronics	Electrical Engineering	ELEIM17100	Electrical Energy and Market	Master	6
Electronics	Electrical Engineering	ELEIM17102	Electrical Power Systems (with course project)	Master	9

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Electronics	Electrical Engineering	ELEIM17354	Electrics Drives of Mechatronic Systems	Master	9
Electronics	Electrical Engineering	ELEIM17101	Master's Research Work 1 <i>(prior agreement with faculty coordinator)</i>	Master	3
Electronics	Electrical Engineering	ELEIM17303	Master's Research Work 3 <i>(prior agreement with faculty coordinator)</i>	Master	3
Electronics	Electrical Engineering	ELEIM17301	Photovoltaic Energy Systems	Master	9
Electronics	Electrical Engineering	ELEIM17300	Wind Energy Systems	Master	9
Environmental Engineering	Building Energetics	APPEB16508	Buildings' Heating Systems	Bachelor	6
Environmental Engineering	Building Energetics	APPEB16303	Engineering Thermodynamics	Bachelor	6
Environmental Engineering	Environment Protection and Water Engineering	APAVB17054	Prevention of Environmental Pollution	Bachelor	6
Environmental Engineering	Building Energetics	APPEB16716	Renewable Energy Technologies	Bachelor	6
Environmental Engineering	Environment Protection and Water Engineering	APAVB17050	Sustainable Environment (introduction to specialty)	Bachelor	3
Environmental Engineering	Environment Protection and Water Engineering	APAVB17205	Water and Wastewater	Bachelor	6
Environmental Engineering	Environment Protection and Water Engineering	APAVM17131	Cleaner Production (with course project)	Master	6
Environmental Engineering	Environment Protection and Water Engineering	APAVM17263	Ecological Design	Master	6
Environmental Engineering	Environment Protection and Water Engineering	APAVM20105	Environmental Politics, Law and Economics	Master	6
Environmental Engineering	Environment Protection and Water Engineering	APAVM17133	Innovative Environmental Protection Technologies (with course project)	Master	6
Environmental Engineering	Environment Protection and Water Engineering	APAVM17134	Physical Pollution and Reduction Technology	Master	6
Fundamental Sciences	Mathematical Modelling	FMMMA16111	Mathematical Models of Modern Architecture	Integrated	3
Fundamental Sciences	Mathematical Modelling	FMMMB16101	Algebra and Differential Calculus	Bachelor	6
Fundamental Sciences	Mathematical Statistics	FMSAB16101	Algebra and Differential Calculus	Bachelor	6
Fundamental Sciences	Mathematical Statistics	FMSAB16108	Algebra and Differential Calculus	Bachelor	6

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Fundamental Sciences	Information Systems	FMISB16204	Algorithms and Data Structures	Bachelor	6
Fundamental Sciences	Engineering Graphics	FMIGB16004	Applied Engineering Graphics	Bachelor	3
Fundamental Sciences	Engineering Graphics	FMIGB16301	Applied Engineering Graphics	Bachelor	6
Fundamental Sciences	Chemistry and Bioengineering	FMCHB16301	Chemical Thermodynamics	Bachelor	6
Fundamental Sciences	Chemistry and Bioengineering	FMCHB16102	Chemistry	Bachelor	6
Fundamental Sciences	Chemistry and Bioengineering	FMCHB16109	Chemistry	Bachelor	6
Fundamental Sciences	Chemistry and Bioengineering	FMCHB16101	Chemistry	Bachelor	3
Fundamental Sciences	Chemistry and Bioengineering	FMCHB16106	Chemistry	Bachelor	3
Fundamental Sciences	Information Technologies	FMITB21710	Cloud Computing	Bachelor	6
Fundamental Sciences	Engineering Graphics	FMIGB22101	Computer Graphics	Bachelor	3
Fundamental Sciences	Information Systems	FMISB18500	Cryptography and Information Security	Bachelor	6
Fundamental Sciences	Graphical Systems	FMGSB19301	Design of Multimedia Elements	Bachelor	6
Fundamental Sciences	Graphical Systems	FMGSB19202	Digital Image Technology	Bachelor	6
Fundamental Sciences	Mathematical Modelling	FMMMB16102	Discrete Mathematics 1	Bachelor	3
Fundamental Sciences	Graphical Systems	FMGSB16102	Engineering and Computer Graphics	Bachelor	3
Fundamental Sciences	Information Technologies	FMITB19524	Enterprise Governance of Information and Technology	Bachelor	6
Fundamental Sciences	Chemistry and Bioengineering	FMCHB16503	Fundamentals of Biochemistry	Bachelor	9
Fundamental Sciences	Mathematical Statistics	FMSAB16121	Fundamentals of Mathematical Analysis	Bachelor	9
Fundamental Sciences	Chemistry and Bioengineering	FMCHB19104	General Chemistry	Bachelor	6
Fundamental Sciences	Physics	FMFIB16113	General Physics	Bachelor	3
Fundamental Sciences	Physics	FMFIB16119	General Physics	Bachelor	6
Fundamental Sciences	Physics	FMFIB16115	General Physics	Bachelor	6
Fundamental Sciences	Information Systems	FMISB16106	Information Technologies	Bachelor	6
Fundamental Sciences	Information Systems	FMISB18100	Information Technologies	Bachelor	6
Fundamental Sciences	Information Systems	FMISB16101	Information Technologies	Bachelor	6
Fundamental Sciences	Mathematical Modelling	FMMMB16110	Linear Algebra and Differential Calculus	Bachelor	6
Fundamental Sciences	Mathematical Statistics	FMSAB16105	Linear Algebra and Mathematical Analysis	Bachelor	9
Fundamental Sciences	Mathematical Modelling	FMMMB16310	Mathematical Analysis and Probability Theory	Bachelor	6

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Fundamental Sciences	Mathematical Modelling	FMMMB16111	Mathematics 1	Bachelor	6
Fundamental Sciences	Mathematical Modelling	FMMMB16311	Mathematics 3	Bachelor	6
Fundamental Sciences	Mathematical Modelling	FMMMB16109	Mathematics for Bioengineering	Bachelor	6
Fundamental Sciences	Graphical Systems	FMGSB22101	Media Production	Bachelor	6
Fundamental Sciences	Chemistry and Bioengineering	FMCHB16502	Molecular and Cell Biology	Bachelor	9
Fundamental Sciences	Engineering Graphics	FMIGB16302	Object-Oriented, Parametric Modeling BIM 1	Bachelor	3
Fundamental Sciences	Graphical Systems	FMGSB16101	Operating Systems	Bachelor	6
Fundamental Sciences	Information Technologies	FMITB16101	Operating Systems	Bachelor	6
Fundamental Sciences	Chemistry and Bioengineering	FMCHB16302	Organic Chemistry	Bachelor	9
Fundamental Sciences	Physics	FMFIB16124	Physics	Bachelor	6
Fundamental Sciences	Physics	FMFIB19122	Physics	Bachelor	6
Fundamental Sciences	Physics	FMFIB16128	Physics 1	Bachelor	6
Fundamental Sciences	Information Technologies	FMITB16502	Principles of Project Management	Bachelor	3
Fundamental Sciences	Mathematical Modelling	FMMMB16301	Probability Theory and Mathematical Statistics	Bachelor	6
Fundamental Sciences	Mathematical Statistics	FMSAB20325	Probability Theory and Mathematical Statistics	Bachelor	6
Fundamental Sciences	Mathematical Statistics	FMSAB19310	Probability Theory and Mathematical Statistics	Bachelor	6
Fundamental Sciences	Information Technologies	FMITB19108	Procedural Programming	Bachelor	6
Fundamental Sciences	Information Technologies	FMITB22705	Project of Information Technology Development	Bachelor	6
Fundamental Sciences	Engineering Graphics	FMIGB17002	Technical Drawing	Bachelor	3
Fundamental Sciences	Information Systems	FMISM20302	Cyber Forensics (with course work)	Master	9
Fundamental Sciences	Information Systems	FMISM20102	Cryptographic Systems	Master	9
Fundamental Sciences	Information Systems	FMISM22304	Ethical, Legal and Human Aspects of Information Security	Master	6
Fundamental Sciences	Information Systems	FMISM20301	Information Security Management	Master	6
Fundamental Sciences	Information Systems	FMISM20101	Information Technology Security Methods	Master	9
Fundamental Sciences	Mathematical Modelling	FMMMM19101	Numerical Methods	Master	6
Fundamental Sciences	Information Systems	FMISM17302	Secure Programming	Master	6
Mechanics	Biomechanical Engineering	MEBIB17028	Automatic Control	Bachelor	6

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Mechanics	Mechatronics, Robotics and Digital Manufacturing	MERSB17116	Bachelor Graduation Thesis 1 (prior agreement with faculty coordinator)	Bachelor	3
Mechanics	Mechatronics, Robotics and Digital Manufacturing	MERSB17115	Career Internship	Bachelor	12
Mechanics	Mechanical and Material Engineering	MEMKB17158	Cutting Processes and Tools	Bachelor	3
Mechanics	Mechanical and Material Engineering	MEMKB17222	Design of Machines and Instruments 2 (with course project)	Bachelor	6
Mechanics	Mechatronics, Robotics and Digital Manufacturing	MERSB17780	Design of Mechatronic and Digital Production Systems. Complex Project	Bachelor	6
Mechanics	Mechanical and Material Engineering	MEMKB17226	Design of Tools and Devices (with course work)	Bachelor	6
Mechanics	Mechatronics, Robotics and Digital Manufacturing	MERSB22101	Introduction to Engineering Programming	Bachelor	3
Mechanics	Mechatronics, Robotics and Digital Manufacturing	MERSB17106	Introduction to Mechatronics and Robotics	Bachelor	3
Mechanics	Mechanical and Material Engineering	MEMKB22501	Joining Technologies	Bachelor	6
Mechanics	Mechanical and Material Engineering	MEMKB17383	Materials Science 2	Bachelor	3
Mechanics	Mechatronics, Robotics and Digital Manufacturing	MERSB17111	Mechatronic Systems 1	Bachelor	3
Mechanics	Mechatronics, Robotics and Digital Manufacturing	MERSB17110	Robotics	Bachelor	6
Mechanics	Mechatronics, Robotics and Digital Manufacturing	MERSB17054	Theory of Mechanisms and Machines (with course project)	Bachelor	9
Mechanics	Mechanical and Material Engineering	MEMKM18303	Business Game	Master	6
Mechanics	Mechanical and Material Engineering	MEMKM20301	Diagnostic and Monitoring	Master	6
Mechanics	Biomechanical Engineering	MEBIM21063	Dynamics of Biomechanical Systems	Master	9

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Mechanics	Mechanical and Material Engineering	MEMKM17338	Dynamics of Mechanical Systems (with course work)	Master	12
Mechanics	Mechatronics, Robotics and Digital Manufacturing	MERSM17148	Experimental Practice	Master	6
Mechanics	Mechatronics, Robotics and Digital Manufacturing	MERSM17156	Experimental Research of Mechatronic Systems	Master	9
Mechanics	Mechatronics, Robotics and Digital Manufacturing	MERSM17153	Experimental Research of Mechatronic Systems	Master	6
Mechanics	Mechanical and Material Engineering	MEMKM17341	Fundamentals of Research and Innovation	Master	3
Mechanics	Mechanical and Material Engineering	MEMKM17344	Human Resource Management and Leadership	Master	6
Mechanics	Mechanical and Material Engineering	MEMKM17342	Improvement and Innovation of Manufacturing Process (with course work)	Master	9
Mechanics	Mechanical and Material Engineering	MEMKM17369	Innovative Product Design (with course project)	Master	9
Mechanics	Mechatronics, Robotics and Digital Manufacturing	MERSM17152	Master Graduation Thesis 1 <i>(prior agreement with faculty coordinator)</i>	Master	3
Mechanics	Mechatronics, Robotics and Digital Manufacturing	MERSM17174	Master Graduation Thesis 3 <i>(prior agreement with faculty coordinator)</i>	Master	3
Mechanics	Mechatronics, Robotics and Digital Manufacturing	MERSM17154	Mechanics of Mechatronic and Robotic Systems	Master	6
Mechanics	Mechatronics, Robotics and Digital Manufacturing	MERSM17155	Mechanics of Mechatronic and Robotic Systems (with course project)	Master	9
Mechanics	Biomechanical Engineering	MEBIM21064	Medical Waste Management	Master	9
Mechanics	Mechatronics, Robotics and Digital Manufacturing	MERSM17175	Pneumatic and Hydraulic Systems (with course project)	Master	9
Mechanics	Mechanical and Material Engineering	MEMKM18302	Products and Service Quality	Master	6
Mechanics	Mechanical and Material Engineering	MEMKM20101	Reliability of Mechanical Systems	Master	6

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Mechanics	Mechanical and Material Engineering	MEMKM17365	Simulation of Mechanical Systems (with course project)	Master	12
Mechanics	Mechanical and Material Engineering	MEMKM17343	Supply Chain Management and International Manufacturing	Master	9
Mechanics	Mechanical and Material Engineering	MEMKM20302	Theory of Flow	Master	6
Transport Engineering	Mobile Machinery and Railway Transport	TIMGB17125	Computer Aided Engineering for Transport Machinery	Bachelor	3
Transport Engineering	Mobile Machinery and Railway Transport	TIMGB17124	Hydraulic and Pneumatic Systems (with course project)	Bachelor	6
Transport Engineering	Automobile Engineering	TIAIB17051	Internal Combustion Engines (with course project)	Bachelor	6
Transport Engineering	Logistics and Transport Management	TILTB16717	Transport Management (organization) (with course work)	Bachelor	6
Transport Engineering	Mobile Machinery and Railway Transport	TIMGB17126	Vehicle Dynamics	Bachelor	6
Transport Engineering	Mobile Machinery and Railway Transport	TIMGM18169	Research in Transport Engineering	Master	3
Transport Engineering	Mobile Machinery and Railway Transport	TIMGM18166	The Finite Elements Method	Master	9
Transport Engineering	Mobile Machinery and Railway Transport	TIMGM17165	The Use of the Finite Elements Method in Continuum Mechanics	Master	6
Transport Engineering	Automobile Engineering	TIAIM17100	Theory of Reliability of Transport Machinery	Master	6

### SPRING SEMESTER COURSES

Faculty	Department	Course Code	Course Title	Level	ECTS
Antanas Gustaitis' Aviation Institute	Aviation Technologies	AISVA19402	Aviation English 2: rules of radiotelephony	Integrated	3

Faculty	Department	Course Code	Course Title	Level	ECTS
Antanas Gustaitis' Aviation Institute	Aviation Technologies	AISVA19603	Aviation English 4	Integrated	3
Antanas Gustaitis' Aviation Institute	Aviation Technologies	AISVA19801	Aviation English 6	Integrated	6
Antanas Gustaitis' Aviation Institute	Aviation Technologies	AISVA19403	Flight Fundamentals	Integrated	3
Antanas Gustaitis' Aviation Institute	Aviation Technologies	AISVA19401	General Navigation	Integrated	6
Antanas Gustaitis' Aviation Institute	Aviation Technologies	AISVA22601	Meteorology	Integrated	9
Antanas Gustaitis' Aviation Institute	Aeronautical Engineering	AIAIA19801	Unmanned Aerial Vehicles and their Systems	Integrated	3
Antanas Gustaitis' Aviation Institute	Aeronautical Engineering	AIAIM22200	Astrodynamics	Master	6
Antanas Gustaitis' Aviation Institute	Aeronautical Engineering	AIAIM19201	Computer-Aided Engineering (CAE)	Master	9
Antanas Gustaitis' Aviation Institute	Aeronautical Engineering	AIAIM17195	Master Graduation Thesis <i>(prior agreement with faculty coordinator)</i>	Master	30
Antanas Gustaitis' Aviation Institute	Aeronautical Engineering	AIAIM22203	Microsatellite Engineering	Master	6
Antanas Gustaitis' Aviation Institute	Aeronautical Engineering	AIAIM17188	Research Work 2 <i>(prior agreement with faculty coordinator)</i>	Master	3
Antanas Gustaitis' Aviation Institute	Aeronautical Engineering	AIAIM22202	Unmanned Aerial Vehicle Systems	Master	6
Architecture	Architectural Fundamentals, Theory and Arts	ARPGA17012	Architectural Theory and Composition <i>(2nd year course)</i>	Integrated	6
Architecture	Urban Design	ARURA16006	Architecture and Heritage <i>(4th year course)</i>	Integrated	15
Architecture	Architecture	ARARA22006	Architecture and Heritage <i>(4th year course)</i>	Integrated	15
Architecture	Architecture	ARARA17005	Architecture and Technology <i>(2nd year course)</i>	Integrated	15
Architecture	Architectural Fundamentals, Theory and Arts	ARPGA17018	Architecture Research Methodology <i>(4th year course)</i>	Integrated	6
Architecture	Architectural Fundamentals, Theory and Arts	ARPGA19023	Basics of Building Information Modeling <i>(2nd year course)</i>	Integrated	3
Architecture	Architectural Fundamentals, Theory and Arts	ARPGA17005	Contemporary art Project and Architecture <i>(2nd year course)</i>	Integrated	3
Architecture	Architectural Fundamentals, Theory and Arts	ARPGA17003	Drawing 2 <i>(1st year course)</i>	Integrated	6

Faculty	Department	Course Code	Course Title	Level	ECTS
Architecture	Architecture	ARARA20202	Fundamentals of Architectural Design <i>(1st year course)</i>	Integrated	15
Architecture	Architectural Fundamentals, Theory and Arts	ARPGA17010	History of Architecture 1 <i>(1st year course)</i>	Integrated	3
Architecture	Architectural Fundamentals, Theory and Arts	ARPGA17015	History of Urban Form and Composition <i>(3rd year course)</i>	Integrated	6
Architecture	Urban Design	ARURA17003	Urban Structures <i>(3rd year course)</i>	Integrated	15
Architecture	Architecture	ARARA16003	Practice of Architectural Measurements <i>(1st year course)</i>	Integrated	3
Architecture	Architectural Fundamentals, Theory and Arts	ARPGA17024	Protection of Immovable Cultural Heritage <i>(4th year course)</i>	Integrated	6
Architecture	Architectural Fundamentals, Theory and Arts	ARPGA22025	Theory of City Culture and Architectural Criticism <i>(4th year course)</i>	Integrated	3
Architecture	Architectural Fundamentals, Theory and Arts	ARPGB17008	Contemporary Art Communication (with course work) <i>(Social Sciences field - for Creative Industries Faculty students)</i>	Bachelor	6
Business Management	Financial Engineering	VVFRB22801	Behavioral Finance	Bachelor	6
Business Management	Management	VVVKB17808	Business Communication	Bachelor	3
Business Management	Law	VVTEB16204	Business Law	Bachelor	6
Business Management	Law	VVTEB16403	Business Law	Bachelor	3
Business Management	Business Technologies and Entrepreneurship	VVTVB17272	Business Projects (with course work)	Bachelor	6
Business Management	Economics Engineering	VVEIB18408	Complex Project of Economic Engineering	Bachelor	6
Business Management	Financial Engineering	VVFRB16607	Course Project of Financial Analysis	Bachelor	3
Business Management	Economics Engineering	VVEIB18801	Creative Economy	Bachelor	3
Business Management	Economics Engineering	VVEIB18402	Digital Economics	Bachelor	6
Business Management	Economics Engineering	VVEIB17198	Economics	Bachelor	3
Business Management	Economics Engineering	VVEIB17099	Economics of Enterprises (with course work)	Bachelor	6

Faculty	Department	Course Code	Course Title	Level	ECTS
Business Management	Economics Engineering	VVEIB17201	Economics of Public Sector (with course work)	Bachelor	6
Business Management	Business Technologies and Entrepreneurship	VVTVB22201	Engineering Principles	Bachelor	3
Business Management	Business Technologies and Entrepreneurship	VVTVB17087	Entrepreneurship (with course work)	Bachelor	6
Business Management	Economics Engineering	VVEIB19880	EU Economic Policy	Bachelor	3
Business Management	Financial Engineering	VVFRB20601	Financial Analysis	Bachelor	6
Business Management	Financial Engineering	VVFRB16606	Financial Markets and Institutions	Bachelor	3
Business Management	Financial Engineering	VVFRB22802	Financial Risk Management	Bachelor	6
Business Management	Management	VVVKB20401	Human Resources Management	Bachelor	3
Business Management	Business Technologies and Entrepreneurship	VVTVB19801	Information Management Systems	Bachelor	3
Business Management	Management	VVVKB17029	Intercultural Communication	Bachelor	3
Business Management	Economics Engineering	VVEIB20601	International Economics	Bachelor	3
Business Management	Financial Engineering	VVFRB17603	International Finance	Bachelor	3
Business Management	Management	VVVKB17092	Introductory Practice	Bachelor	3
Business Management	Law	VVTEB16805	Law	Bachelor	3
Business Management	Business Technologies and Entrepreneurship	VVTVB17173	Logistics	Bachelor	6
Business Management	Economics Engineering	VVEIB17191	Macroeconomics	Bachelor	6
Business Management	Management	VVVKB17157	Management	Bachelor	3
Business Management	Management	VVVKB17159	Management	Bachelor	3
Business Management	Management	VVVKB17813	Management	Bachelor	3
Business Management	Management	VVVKB17181	Management	Bachelor	3
Business Management	Management	VVVKB17163	Management	Bachelor	3
Business Management	Management	VVVKB19814	Marketing Research	Bachelor	3
Business Management	Management	VVVKB19815	Marketing Research Complex Project	Bachelor	6
Business Management	Financial Engineering	VVFRB16601	Pricing	Bachelor	6

Faculty	Department	Course Code	Course Title	Level	ECTS
Business Management	Economics Engineering	VVEIB17029	Regional Economics II: Nordic Countries	Bachelor	3
Business Management	Financial Engineering	VVFRB16609	Valuation of Financial Instruments	Bachelor	3
Business Management	Economics Engineering	VVEIM17346	Engineering Economics	Master	6
Business Management	Management	VVVKM19202	Brand Management	Master	6
Business Management	Management	VVVKM21201	Human Resource Management	Master	18
Business Management	Management	VVVKM21202	Human Resource Management Strategies	Master	6
Business Management	Management	VVVKM17056	International Management (with course project)	Master	9
Business Management	Management	VVVKM17288	Learning Organization (with course project)	Master	9
Business Management	Business Technologies and Entrepreneurship	VVTVM17152	Managerial Information Technologies	Master	6
Business Management	Management	VVVKM17054	Marketing	Master	6
Business Management	Management	VVVKM17108	Strategic Management	Master	6
Business Management	Management	VVVKM21200	Sustainable Business Development	Master	6
Business Management	Management	VVVKM17100	Theory of Organization	Master	6
Civil Engineering	Reinforced Concrete Structures and Geotechnics	STGGB17268	Applied Physics	Bachelor	6
Civil Engineering	Reinforced Concrete Structures and Geotechnics	STGGB17030	Basis of Structural Design	Bachelor	3
Civil Engineering	Reinforced Concrete Structures and Geotechnics	STGGB17173	Engineering Geology	Bachelor	3
Civil Engineering	Applied Mechanics	STTMB17042	Engineering Mechanics	Bachelor	6
Civil Engineering	Reinforced Concrete Structures and Geotechnics	STGGB17195	Foundation Engineering (with course project) <i>(must have knowledge of Soil Mechanics, Theory of Elasticity (in addition and/or alternatively Mechanics (Strength) of Materials), Mechanics (or Analysis or Calculation) of Structures)</i>	Bachelor	6
Civil Engineering	Building Materials and Fire Safety	STGSB17037	Human's Safety	Bachelor	3

Faculty	Department	Course Code	Course Title	Level	ECTS
Civil Engineering	Building Materials and Fire Safety	STGSB17062	Human's Safety and Environmental Protection	Bachelor	3
Civil Engineering	Building Materials and Fire Safety	STGSB17174	Materials Science and Building Materials	Bachelor	6
Civil Engineering	Applied Mechanics	STTMB17055	Mechanics of Materials	Bachelor	6
Civil Engineering	Applied Mechanics	STTMB17053	Mechanics of Materials	Bachelor	6
Civil Engineering	Applied Mechanics	STTMB17058	Mechanics of Materials 2	Bachelor	6
Civil Engineering	Reinforced Concrete Structures and Geotechnics	STGGB17053	Multi-storey Buildings	Bachelor	3
Civil Engineering	Applied Mechanics	STTMB17105	Numerical Analysis of Structures - BIM 2	Bachelor	3
Civil Engineering	Reinforced Concrete Structures and Geotechnics	STGGB17037	Reinforced Concrete Structures 2	Bachelor	6
Civil Engineering	Reinforced Concrete Structures and Geotechnics	STGGB17038	Reinforced Concrete Structures 2 (course project)	Bachelor	3
Civil Engineering	Construction Management and Real Estate	STVNB17303	Technology of Construction Processes	Bachelor	6
Civil Engineering	Reinforced Concrete Structures and Geotechnics	STGGM17124	Durability and Probability Analysis of Building Structures	Master	6
Civil Engineering	Steel and Composite Structures	STMEM17148	Integrated Computer Aided Structural Design (BIM) (with course project)	Master	9
Civil Engineering	Applied Mechanics	STTMM17132	Mechanics of Continual Structures	Master	6
Civil Engineering	Steel and Composite Structures	STMEM17150	Structures for Composite Steel and Concrete Buildings	Master	6
Creative Industries	Philosophy and Cultural Studies	KIFSA17003	Philosophy	Integrated	3
Creative Industries	Creative Communication	KIKOB18601	Advertising (with course work)	Bachelor	6
Creative Industries	Creative Communication	KIKOB20102	Digital Communication	Bachelor	6
Creative Industries	Creative Communication	KIKOB22102	Electronic Communication and Social Networks	Bachelor	6
Creative Industries	Creative Communication	KIKOB20105	Innovation Management	Bachelor	6
Creative Industries	Creative Communication	KIKOB17077	Integrated Project	Bachelor	9

Faculty	Department	Course Code	Course Title	Level	ECTS
Creative Industries	Lithuanian Language	KILSB18002	Lithuanian Language 2 (for foreign students)	Bachelor	3
Creative Industries	Creative Communication	KIKOB18202	Mass Communication (with course work)	Bachelor	6
Creative Industries	Entertainment industries	KIPIB17081	Media Projects	Bachelor	6
Creative Industries	Entertainment industries	KIPIB19802	Organisational Culture	Bachelor	3
Creative Industries	Philosophy and Cultural Studies	KIFSB17109	Philosophy	Bachelor	3
Creative Industries	Philosophy and Cultural Studies	KIFSB17107	Philosophy	Bachelor	3
Creative Industries	Creative Communication	KIKOB17065	Public Relations	Bachelor	6
Creative Industries	Creative Communication	KIKOB18402	Qualitative Research (with course work)	Bachelor	6
Creative Industries	Foreign Languages	KIUSA17005	Speciality English Language (for Architecture faculty students)	Integrated	3
Creative Industries	Foreign Languages	KIUSB17129	Speciality English Language 1 (for Business Management faculty students)	Bachelor	3
Creative Industries	Foreign Languages	KIUSB17146	Speciality English Language 2 (for Business Management faculty students)	Bachelor	3
Creative Industries	Foreign Languages	KIUSB17116	Speciality English Language (for Civil Engineering, Architectural Engineering, Construction Technology and Management students)	Bachelor	3
Creative Industries	Foreign Languages	KIUSB18110	Speciality English Language (for Creative Industries faculty students)	Bachelor	3
Creative Industries	Foreign Languages	KIUSB17185	Speciality English Language (for Electronics faculty students)	Bachelor	3
Creative Industries	Foreign Languages	KIUSB17119	Speciality English Language (for Environmental Engineering faculty students)	Bachelor	3
Creative Industries	Foreign Languages	KIUSB17123	Speciality English Language (for Fundamental Sciences faculty students)	Bachelor	3
Creative Industries	Foreign Languages	KIUSB17188	Speciality English Language (for Mechanics faculty students)	Bachelor	3

Faculty	Department	Course Code	Course Title	Level	ECTS
Creative Industries	Foreign Languages	KIUSB17152	Speciality English Language (for Transport Engineering faculty students)	Bachelor	3
Creative Industries	Entertainment industries	KIPIB18602	Urban Studies	Bachelor	3
Creative Industries	Creative Communication	KIKOB18401	Visual Communication (with course work)	Bachelor	6
Electronics	Electrical Engineering	ELEIB16661	Automatic Control Devices and Systems	Bachelor	6
Electronics	Electrical Engineering	ELEIB16562	Automatic Control Systems (with course project)	Bachelor	6
Electronics	Computer Science and Communications Technologies	ELKRB16404	Computer Engineering Practicum	Bachelor	3
Electronics	Computer Science and Communications Technologies	ELKRB16201	Computer Logic	Bachelor	3
Electronics	Electronic Systems	ELESB16604	Computer Networks	Bachelor	6
Electronics	Computer Science and Communications Technologies	ELKRB16617	Computer Peripherals	Bachelor	3
Electronics	Computer Science and Communications Technologies	ELKRB16202	Databases	Bachelor	3
Electronics	Electrical Engineering	ELEIB16252	Electrical Engineering	Bachelor	6
Electronics	Electrical Engineering	ELEIB16251	Electrical Engineering	Bachelor	6
Electronics	Electrical Engineering	ELEIB16403	Electrical Engineering	Bachelor	3
Electronics	Electronic Systems	ELESB16401	Electronic Devices	Bachelor	3
Electronics	Electrical Engineering	ELEIB16201	Electronics and Electrical Engineering	Bachelor	3
Electronics	Electrical Engineering	ELEIB16651	Human Safety	Bachelor	3
Electronics	Electrical Engineering	ELEIB16861	Industrial Logical Controllers	Bachelor	3
Electronics	Computer Science and Communications Technologies	ELKRB16822	Internet Technologies	Bachelor	3
Electronics	Electronic Systems	ELESB16612	Microcontrollers Systems	Bachelor	6
Electronics	Computer Science and Communications Technologies	ELKRB16612	Microprocessors	Bachelor	6

Faculty	Department	Course Code	Course Title	Level	ECTS
Electronics	Computer Science and Communications Technologies	ELKRB16823	Microtechnologies	Bachelor	3
Electronics	Computer Science and Communications Technologies	ELKRB16613	Microwave Technology	Bachelor	3
Electronics	Electronic Systems	ELESB16801	Multimedia Systems	Bachelor	3
Electronics	Electrical Engineering	ELEIB16206	Smart Electrical and Electronics Systems of Buildings	Bachelor	3
Electronics	Electrical Engineering	ELEIM17201	Control of Electrical Energy Systems	Master	6
Electronics	Electrical Engineering	ELEIM17204	Electronic Converters (with course project)	Master	9
Electronics	Electrical Engineering	ELEIM17400	Master Graduation Thesis (prior agreement with faculty coordinator)	Master	30
Electronics	Electrical Engineering	ELEIM17202	Master's Research Work 2 (prior agreement with faculty coordinator)	Master	3
Electronics	Electrical Engineering	ELEIM17203	Modern Electrical Engineering	Master	6
Environmental Engineering	Environment Protection and Water Engineering	APAVB19403	Atmosphere Protection (with course work)	Bachelor	6
Environmental Engineering	Geodesy and Cadastre	APGDB16054	Engineering Geodesy	Bachelor	3
Environmental Engineering	Geodesy and Cadastre	APGDB16052	Engineering Geodesy	Bachelor	3
Environmental Engineering	Building Energetics	APPEB16404	Heat and Mass Transfer	Bachelor	6
Environmental Engineering	Environment Protection and Water Engineering	APAVB19402	Hydrology	Bachelor	6
Environmental Engineering	Building Energetics	APPEB16407	Indoor Climate (with course project)	Bachelor	6
Environmental Engineering	Environment Protection and Water Engineering	APAVB19603	Integrated Design of Buildings	Bachelor	3
Environmental Engineering	Environment Protection and Water Engineering	APAVB19401	Methodology of Environmental Research	Bachelor	6
Environmental Engineering	Environment Protection and Water Engineering	APAVB19404	Waste Management and Reuse Technologies (with course project)	Bachelor	6

Faculty	Department	Course Code	Course Title	Level	ECTS
Environmental Engineering	Environment Protection and Water Engineering	APAVB19601	Wastewater Treatment and Sludge Processing (with course project)	Bachelor	9
Environmental Engineering	Environment Protection and Water Engineering	APAVM20107	Anthropogenic Impact on Environment	Master	6
Environmental Engineering	Environment Protection and Water Engineering	APAVM17144	Environmental Audit	Master	3
Environmental Engineering	Environment Protection and Water Engineering	APAVM17140	Environmental Management (with course project)	Master	9
Environmental Engineering	Geodesy and Cadastre	APGDM17040	Geodetic Laser Scanning Technologies (with course project)	Master	6
Environmental Engineering	Geodesy and Cadastre	APGDM17044	Geoinformation Systems Technology	Master	6
Environmental Engineering	Geodesy and Cadastre	APGDM17043	Real Estate Cadastre	Master	6
Environmental Engineering	Geodesy and Cadastre	APGDM17041	Remote Sensing Methods	Master	6
Environmental Engineering	Environment Protection and Water Engineering	APAVM17141	Waste Management (with course work)	Master	9
Fundamental Sciences	Chemistry and Bioengineering	FMCHB16203	Analytical Chemistry	Bachelor	6
Fundamental Sciences	Physics	FMFIB16214	Applied Physics	Bachelor	6
Fundamental Sciences	Physics	FMFIB19223	Applied Physics	Bachelor	3
Fundamental Sciences	Physics	FMFIB16220	Applied Physics	Bachelor	3
Fundamental Sciences	Physics	FMFIB16216	Applied Physics	Bachelor	3
Fundamental Sciences	Information Systems	FMISB19600	Artificial Intelligence and Knowledge Systems	Bachelor	3
Fundamental Sciences	Information Technologies	FMITB20601	Basics of Distributed Systems	Bachelor	6
Fundamental Sciences	Chemistry and Bioengineering	FMCHB19606	Biochemical Engineering and Biotechnology	Bachelor	3
Fundamental Sciences	Chemistry and Bioengineering	FMCHB19601	Biochemical Methods	Bachelor	6
Fundamental Sciences	Chemistry and Bioengineering	FMCHB16204	Biology	Bachelor	6
Fundamental Sciences	Chemistry and Bioengineering	FMCHB19401	Chemical Kinetics	Bachelor	6
Fundamental Sciences	Chemistry and Bioengineering	FMCHB16202	Chemistry	Bachelor	3
Fundamental Sciences	Chemistry and Bioengineering	FMCHB19402	Chemistry of Natural Compounds	Bachelor	9
Fundamental Sciences	Information Technologies	FMITB20437	Database Management	Bachelor	6

Faculty	Department	Course Code	Course Title	Level	ECTS
Fundamental Sciences	Information Technologies	FMITB20400	Database Systems	Bachelor	6
Fundamental Sciences	Mathematical Modelling	FMMMB16207	Discrete Mathematics	Bachelor	3
Fundamental Sciences	Mathematical Modelling	FMMMB22301	Discrete Mathematics	Bachelor	3
Fundamental Sciences	Mathematical Modelling	FMMMB16202	Discrete Mathematics 2	Bachelor	6
Fundamental Sciences	Mathematical Statistics	FMSAB19369	Econometrics	Bachelor	6
Fundamental Sciences	Mathematical Statistics	FMSAB19370	Econometrics (course work)	Bachelor	3
Fundamental Sciences	Physics	FMFIB19214	Environmental Physics	Bachelor	6
Fundamental Sciences	Chemistry and Bioengineering	FMCHB19605	Fundamentals of Bioinformatics. Complex project	Bachelor	6
Fundamental Sciences	Chemistry and Bioengineering	FMCHB19603	Fundamentals of Chromatography (with course work)	Bachelor	6
Fundamental Sciences	Chemistry and Bioengineering	FMCHB19602	Fundamentals of Gene Engineering	Bachelor	6
Fundamental Sciences	Chemistry and Bioengineering	FMCHB19404	Fundamentals of Microbiology	Bachelor	6
Fundamental Sciences	Engineering Graphics	FMIGB17001	General and Applied Engineering Graphics	Bachelor	6
Fundamental Sciences	Engineering Graphics	FMIGB16203	General Engineering and Digital Graphics	Bachelor	6
Fundamental Sciences	Engineering Graphics	FMIGB16003	General Engineering Graphics	Bachelor	6
Fundamental Sciences	Engineering Graphics	FMIGB16202	General Engineering Graphics	Bachelor	3
Fundamental Sciences	Graphical Systems	FMGSB18210	Graphic Programming for Mobile Devices	Bachelor	6
Fundamental Sciences	Graphical Systems	FMGSB22201	Human Computer Interaction	Bachelor	6
Fundamental Sciences	Mathematical Modelling	FMMMB16201	Integral Calculus	Bachelor	6
Fundamental Sciences	Mathematical Statistics	FMSAB16202	Integral Calculus	Bachelor	6
Fundamental Sciences	Mathematical Statistics	FMSAB19209	Integral Calculus	Bachelor	6
Fundamental Sciences	Mathematical Modelling	FMMMB16210	Integrals, Differential Equations and Series	Bachelor	6
Fundamental Sciences	Mathematical Modelling	FMMMB16211	Mathematics 2	Bachelor	6
Fundamental Sciences	Graphical Systems	FMGSB19201	Media Production	Bachelor	6
Fundamental Sciences	Information Technologies	FMITB21201	Object-Oriented Programming (with course work)	Bachelor	6
Fundamental Sciences	Physics	FMFIB16229	Physics 2	Bachelor	3

Faculty	Department	Course Code	Course Title	Level	ECTS
Fundamental Sciences	Graphical Systems	FMGSB19203	Physics for Games	Bachelor	3
Fundamental Sciences	Mathematical Modelling	FMMMB16209	Probability Theory and Mathematical Statistics	Bachelor	6
Fundamental Sciences	Mathematical Statistics	FMSAB19206	Probability Theory and Mathematical Statistics	Bachelor	9
Fundamental Sciences	Information Technologies	FMITB16429	Programming Techniques (with course project)	Bachelor	6
Fundamental Sciences	Information Technologies	FMITB21610	Software Testing	Bachelor	6
Fundamental Sciences	Information Systems	FMISM20201	Computer Networks and Operating System Security	Master	9
Fundamental Sciences	Information Systems	FMISM20202	Ethical Hacking Techniques (with course work)	Master	6
Fundamental Sciences	Information Systems	FMISM18200	Malware analysis methods	Master	6
Fundamental Sciences	Information Systems	FMISM17202	Virtual Infrastructure and Cloud Computing Security	Master	6
Mechanics	Mechanical and Material Engineering	MEMKB22401	3D, Laser and Another Manufacturing Technologies	Bachelor	3
Mechanics	Mechatronics, Robotics and Digital Manufacturing	MERSB17122	Bachelor Graduation Thesis 2 <i>(prior agreement with faculty coordinator)</i>	Bachelor	6
Mechanics	Mechanical and Material Engineering	MEMKB17237	Bachelor Graduation Thesis 3 <i>(prior agreement with faculty coordinator)</i>	Bachelor	9
Mechanics	Mechatronics, Robotics and Digital Manufacturing	MERSB17123	Bachelor Graduation Thesis 3 <i>(prior agreement with faculty coordinator)</i>	Bachelor	9
Mechanics	Mechatronics, Robotics and Digital Manufacturing	MERSB22401	CAD/CAE	Bachelor	3
Mechanics	Mechatronics, Robotics and Digital Manufacturing	MERSB17112	CAD/CAM/CAE	Bachelor	6
Mechanics	Mechatronics, Robotics and Digital Manufacturing	MERSB17107	Cognitive Practice	Bachelor	3
Mechanics	Mechanical and Material Engineering	MEMKB17166	Design of Machines and Instruments 1	Bachelor	3
Mechanics	Mechanical and Material Engineering	MEMKB17433	Design of Technological Equipment in CAD/CAM Systems. Complex project	Bachelor	6

Faculty	Department	Course Code	Course Title	Level	ECTS
Mechanics	Mechanical and Material Engineering	MEMKB22604	Design of Tools and Devices (with course work)	Bachelor	6
Mechanics	Mechanical and Material Engineering	MEMKB17168	Ecological Design	Bachelor	6
Mechanics	Mechatronics, Robotics and Digital Manufacturing	MERSB17109	Elements of Mechatronics	Bachelor	3
Mechanics	Mechanical and Material Engineering	MEMKB17239	Equipment Assembly Technologies	Bachelor	3
Mechanics	Mechanical and Material Engineering	MEMKB17255	Fundamentals of Innovation Management	Bachelor	3
Mechanics	Mechatronics, Robotics and Digital Manufacturing	MERSB17401	Machine Elements (with course project)	Bachelor	6
Mechanics	Mechanical and Material Engineering	MEMKB22603	Machines of Energy Transformation	Bachelor	3
Mechanics	Mechatronics, Robotics and Digital Manufacturing	MERSB17113	Mechatronic Systems 2	Bachelor	6
Mechanics	Mechanical and Material Engineering	MEMKB17180	Production Technologies	Bachelor	6
Mechanics	Mechatronics, Robotics and Digital Manufacturing	MERSB17121	Quality and Certification in the Automated Industry	Bachelor	6
Mechanics	Mechanical and Material Engineering	MEMKB17167	Quality Management	Bachelor	3
Mechanics	Mechatronics, Robotics and Digital Manufacturing	MERSB17114	Robotical Technology	Bachelor	6
Mechanics	Mechanical and Material Engineering	MEMKB17156	Theory and Practice of Measurements (with course project)	Bachelor	6
Mechanics	Mechatronics, Robotics and Digital Manufacturing	MERSB21201	Tools and Technologies of Applied Artificial Intelligence	Bachelor	6
Mechanics	Mechanical and Material Engineering	MEMKB17238	Tribology	Bachelor	3

Faculty	Department	Course Code	Course Title	Level	ECTS
Mechanics	Mechatronics, Robotics and Digital Manufacturing	MERSM17149	Academic Writing	Master	6
Mechanics	Biomechanical Engineering	MEBIM17067	Biofluid Mechanics	Master	6
Mechanics	Biomechanical Engineering	MEBIM17066	Biosignals Analysis and Recognition	Master	9
Mechanics	Mechatronics, Robotics and Digital Manufacturing	MERSM17162	Control of Mechatronic Systems	Master	6
Mechanics	Mechatronics, Robotics and Digital Manufacturing	MERSM17158	Control of Mechatronic Systems	Master	6
Mechanics	Mechanical and Material Engineering	MEMKM17350	Design of Mechanical Systems (with course project)	Master	12
Mechanics	Mechatronics, Robotics and Digital Manufacturing	MERSM17159	Diagnostics in Mechatronics	Master	6
Mechanics	Mechatronics, Robotics and Digital Manufacturing	MERSM17163	Diagnostics in Mechatronics	Master	6
Mechanics	Mechanical and Material Engineering	MEMKM20203	Experimental Mechanics	Master	6
Mechanics	Mechanical and Material Engineering	MEMKM18201	Industrial Organisation and Strategic Management	Master	6
Mechanics	Biomechanical Engineering	MEBIM17069	Information Systems in Medicine	Master	6
Mechanics	Mechanical and Material Engineering	MEMKM17357	Innovation Strategy and Tactics	Master	6
Mechanics	Mechanical and Material Engineering	MEMKM17358	Manufacturing Simulation and Industrial Production Systems	Master	6
Mechanics	Mechanical and Material Engineering	MEMKM17352	Marketing of Innovative Products and Investment Management (with course work)	Master	9
Mechanics	Mechanical and Material Engineering	MEMKM17374	Master Graduation Thesis 4 (prior agreement with faculty coordinator)	Master	30
Mechanics	Mechatronics, Robotics and Digital Manufacturing	MERSM17164	Master Graduation Thesis 2 (prior agreement with faculty coordinator)	Master	3
Mechanics	Mechatronics, Robotics and Digital Manufacturing	MERSM17176	Master Graduation Thesis 4 (prior agreement with faculty coordinator)	Master	30

Faculty	Department	Course Code	Course Title	Level	ECTS
Mechanics	Mechanical and Material Engineering	MEMKM17375	Master Graduation Thesis 4 (prior agreement with faculty coordinator)	Master	30
Mechanics	Mechatronics, Robotics and Digital Manufacturing	MERSM17141	Master Graduation Thesis 4 (prior agreement with faculty coordinator)	Master	30
Mechanics	Biomechanical Engineering	MEBIM17070	Methods of Biotechnical Systems and Medical Diagnostic	Master	6
Mechanics	Mechatronics, Robotics and Digital Manufacturing	MERSM17150	Modelling of Mechatronic Systems	Master	6
Mechanics	Mechatronics, Robotics and Digital Manufacturing	MERSM17166	Modelling of Mechatronic Systems	Master	9
Mechanics	Mechatronics, Robotics and Digital Manufacturing	MERSM17161	Sensors in Mechatronics	Master	6
Mechanics	Mechatronics, Robotics and Digital Manufacturing	MERSM17165	Sensors in Mechatronics	Master	6
Mechanics	Mechanical and Material Engineering	MEMKM20201	Theory of Engineering Experiment (with course work)	Master	6
Transport Engineering	Automobile Engineering	TIAIB17053	Automotive Theory	Bachelor	6
Transport Engineering	Automobile Engineering	TIAIB17054	Automotive Theory (course work)	Bachelor	3
Transport Engineering	Mobile Machinery and Railway Transport	TIMGB17119	Design Fundamentals	Bachelor	3
Transport Engineering	Automobile Engineering	TIAIB17036	Structural and Exploitational Materials of Road Vehicles	Bachelor	6
Transport Engineering	Mobile Machinery and Railway Transport	TIMGB17031	Technologies of Vehicle Production and Repair	Bachelor	3
Transport Engineering	Logistics and Transport Management	TILTB16717	Transport Management (organization) (with course work)	Bachelor	6
Transport Engineering	Mobile Machinery and Railway Transport	TIMGB17121	Vehicle Mechanics (with course project)	Bachelor	6
Transport Engineering	Automobile Engineering	TIAIB17058	Vehicles Design	Bachelor	6