

# VILNIUS GEDIMINAS TECHNICAL UNIVERSITY (VILNIUS TECH)

LIST OF COURSES OFFERED IN ENGLISH (updated on 3rd September 2021)

2021/2022 ACADEMIC YEAR



	optional (might not be available)
	cancelled
	new course
	new course code

Pages 1-14      Autumn/Winter semester's courses  
 Pages 14-26      Spring/Summer semester's courses

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

You will only find the courses that are offered for exchange students; other courses are hidden.

We suggest you taking the courses from the same study programme in order to avoid possible timetable conflicts, however, you are allowed to take courses from different programmes or faculties.

If necessary, you may change your Learning Agreement within 3 weeks after the beginning of semester.

AUTUMN SEMESTER COURSES					
Faculty	Department	Course Code	Course Title	Level	ECTS
Antanas Gustaitis' Aviation Institute	Aeronautical Engineering	AIAIB21150	Aerodynamics of Airplane	Bachelor	6
Antanas Gustaitis' Aviation Institute	Aeronautical Engineering	AIAIB18501	Aircraft digital techniques and electronic instrument systems	Bachelor	3
Antanas Gustaitis' Aviation Institute	Aeronautical Engineering	AIAIB21152	Aircraft Engines	Bachelor	6
Antanas Gustaitis' Aviation Institute	Aviation Technologies	AISVA19703	Human Factor	Bachelor	3
Antanas Gustaitis' Aviation Institute	Aeronautical Engineering	AIAIB17151	Structure of Aircraft	Bachelor	6
Antanas Gustaitis' Aviation Institute	Aviation Technologies	AISVA19501	Air Law	Integrated	6
Antanas Gustaitis' Aviation Institute	Aeronautical Engineering	AIAIB19301	Air Traffic Control Equipment and Systems	Integrated	3
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	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

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Antanas Gustaitis' Aviation Institute	Aviation Technologies	AISVA19504	Flight Procedures	Integrated	3
Antanas Gustaitis' Aviation Institute	Aeronautical Engineering	AIAIA21502	General knowledge of aircraft: power plant	Integrated	3
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
Architecture	Urban Design	ARURA16010	Analysis of Architectural and Urban Structures	Integrated	3
Architecture	Architectural Fundamentals, Theory and Arts	ARPGA17014	Architectural Workshop	Integrated	3
Architecture	Architecture	ARARA16008	Architectural Workshop	Integrated	3
Architecture	Architectural Fundamentals, Theory and Arts	ARPGA17022	Architecture and Communication	Integrated	3
Architecture	Urban Design	ARURA16001	Architecture and Community	Integrated	15
Architecture	Urban Design	ARURA19004	Architecture and Contexts	Integrated	15
Architecture	Architecture	ARARA19701	Architecture and Contexts	Integrated	15
Architecture	Architecture	ARARA17011	Architecture and Innovation	Integrated	15
Architecture	Urban Design	ARURA16008	Architecture and Innovations	Integrated	15
Architecture	Architecture	ARARA17006	Architecture and Society	Integrated	15
Architecture	Architectural Fundamentals, Theory and Arts	ARPGA17006	Architecture and visual art in the expanded field	Integrated	3
Architecture	Urban Design	ARURA16011	Artistic Principles of Urban Design	Integrated	3
Architecture	Design	ARDIB16102	Basics of Computer-aided Industrial Design	Integrated	3
Architecture	Architecture	ARARA20905	Contemporary artistic expression in architecture	Integrated	3
Architecture	Design	ARDIB16504	Digital Project Visualization	Integrated	3
Architecture	Architectural Fundamentals, Theory and Arts	ARPGA17002	Drawing 1	Integrated	6
Architecture	Architectural Fundamentals, Theory and Arts	ARPGA17011	History of Architecture 2	Integrated	3
Architecture	Architectural Fundamentals, Theory and Arts	ARPGA17013	Modern and Contemporary Architecture	Integrated	3
Architecture	Architecture	ARARA16015	Practice of Building Typology	Integrated	3

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Architecture	Architecture	ARARA16004	Scale in Architecture	Integrated	3
Architecture	Architectural Fundamentals, Theory and Arts	ARPGA17004	Sculpture and painting backgrounds	Integrated	3
Architecture	Architecture	ARARA16007	Tectonics in Architecture	Integrated	3
Architecture	Architecture	ARARA16001	Typology of Buildings	Integrated	3
Architecture	Urban Design	ARURA16002	Urban Design Workshop	Integrated	3
Architecture	Design	ARDIB16103	Volume Form Plasticity	Integrated	3
Business Management	Financial Engineering	VVFRB16301	Accounting (with course work)	Bachelor	6
Business Management	Business Technologies and Entrepreneurship	VVTVB19101	Business Fundamentals	Bachelor	3
Business Management	Economics Engineering	VVEIB17112	Comparative Economics	Bachelor	3
Business Management	Economics Engineering	VVEIB19903	Complex Project of International Economic Relations	Bachelor	6
Business Management	Law	VVTEB11302	Contract Law	Bachelor	3
Business Management	Business Technologies and Entrepreneurship	VVTVB17072	Course Project of Enterprise Organization and Management	Bachelor	3
Business Management	Management	VVVKB17039	Course Project of Marketing Research	Bachelor	3
Business Management	Economics Engineering	VVEIB17279	Course Project of Quantitative Modelling Methods	Bachelor	3
Business Management	Economics Engineering	VVEIB20302	Creative Economics	Bachelor	3
Business Management	Business Technologies and Entrepreneurship	VVTVB17182	E-business	Bachelor	3
Business Management	Economics Engineering	VVEIB17161	Economics of Human Resource	Bachelor	3
Business Management	Business Technologies and Entrepreneurship	VVTVB17184	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	VVTEB16304	Fundamentals of Law	Bachelor	3

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Business Management	Economics Engineering	VVEIB19904	Industrial Economics	Bachelor	3
Business Management	Law	VVTEB16702	Informatics Law	Bachelor	3
Business Management	Economics Engineering	VVEIB19901	International Economic Organisations and their Policies	Bachelor	3
Business Management	Financial Engineering	VVFRB17705	Investment Management	Bachelor	3
Business Management	Law	VVTEB16112	Law	Bachelor	3
Business Management	Economics Engineering	VVEIB17191	Macroeconomics	Bachelor	6
Business Management	Management	VVKA17224	Management	Bachelor	3
Business Management	Management	VVKB17170	Management	Bachelor	3
Business Management	Management	VVKB17164	Management	Bachelor	3
Business Management	Financial Engineering	VVFRB16504	Management Accounting	Bachelor	6
Business Management	Management	VVKB17033	Marketing	Bachelor	6
Business Management	Management	VVKB17031	Marketing	Bachelor	3
Business Management	Management	VVKB17038	Marketing Research	Bachelor	6
Business Management	Economics Engineering	VVEIB17117	Microeconomics	Bachelor	6
Business Management	Business Technologies and Entrepreneurship	VVTVB18301	Negotiation in Business	Bachelor	3
Business Management	Financial Engineering	VVFRB17704	Personal Finance	Bachelor	3
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	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
Business Management	Economics Engineering	VVEIB17024	Regional Economics I: Far East Countries	Bachelor	3
Business Management	Economics Engineering	VVEIB17026	Regional Economics I: Nordic Countries	Bachelor	3
Business Management	Management	VVKB17105	Strategic Management	Bachelor	3

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Business Management	Business Technologies and Entrepreneurship	VTVB17180	Total Quality Management	Bachelor	3
Business Management	Business Technologies and Entrepreneurship	VTVM17301	Entrepreneurship (with course project)	Master	9
Business Management	Business Technologies and Entrepreneurship	VTVM17034	Innovation Theory	Master	6
Business Management	Business Technologies and Entrepreneurship	VTVM17035	International Business Theory (with course project)	Master	9
Business Management	Management	VVKM17060	International Marketing and Communication (with course project)	Master	6
Business Management	Economics Engineering	VVEIM17401	Methodology of Scientific Research	Master	6
Business Management	Financial Engineering	VVFRM18103	Payment Industry	Master	6
Business Management	Economics Engineering	VVEIM17108	Quantitative and Expert Solution Methods	Master	6
Business Management	Law	VVTEA16402	Architectural Law	Integrated	3
Business Management	Management	VVKA17133	Management	Integrated	3
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	Steel and Composite Structures	STMEB17038	Computer-Aided Modelling of Steel Structures - BIM3	Bachelor	3
Civil Engineering	Construction Management and Real Estate	STVNB17063	Construction Economics	Bachelor	3
Civil Engineering	Reinforced Concrete Structures and Geotechnics	STGGB17049	Design and Numerical Modeling of Reinforced Concrete Structures - BIM 3	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

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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
Civil Engineering	Reinforced Concrete Structures and Geotechnics	STGGB17032	Integrated Project (Reinforced Concrete Structures 1; Steel Structures 1; Building Services)	Bachelor	6
Civil Engineering	Reinforced Concrete Structures and Geotechnics	STGGB17026	Introduction to Specialty	Bachelor	3
Civil Engineering	Reinforced Concrete Structures and Geotechnics	STGGB17048	Masonry and Composite Structures	Bachelor	3
Civil Engineering	Building Materials and Fire Safety	STGSB17169	Materials Science and Building Materials	Bachelor	3
Civil Engineering	Applied Mechanics	STTMB17046	Mechanics of Materials	Bachelor	6
Civil Engineering	Applied Mechanics	STTMB17049	Mechanics of Materials 1	Bachelor	3
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	Steel and Composite Structures	STMEB17002	Steel Structures 1	Bachelor	5
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	Applied Mechanics	STTMM17136	Continuum Mechanics	Master	9
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	Non-Linear Analysis and Design of Steel Structures	Master	6
Civil Engineering	Reinforced Concrete Structures and Geotechnics	STGGM17136	Non-Linear Mechanics of Reinforced Concrete	Master	6
Civil Engineering	Reinforced Concrete Structures and Geotechnics	STGGM17117	Reinforced Concrete Thin-Walled Spatial Structures	Master	9

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Civil Engineering	Steel and Composite Structures	STMEM17122	Stability of Steel Structures	Master	6
Civil Engineering	Steel and Composite Structures	STMEM17069	Steel and composite structures - condition evaluation, testing and strengthening	Master	6
Civil Engineering	Applied Mechanics	STTMA17004	Mechanics of Materials	Integrated	6
Creative Industries	Foreign Languages	KIUSB18104	English Language for the Media	Bachelor	3
Creative Industries	Entertainment industries	KIPIB18508	Audiovisual projects	Bachelor	6
Creative Industries	Creative Communication	KIKOB17050	Business Communication	Bachelor	6
Creative Industries	Creative Communication	KIKOB17052	Creative Business	Bachelor	6
Creative Industries	Creative Communication	KIKOB17069	Creative Industries Studies (with course work)	Bachelor	6
Creative Industries	Foreign Languages	KIUSB18101	English for Creative Communication	Bachelor	3
Creative Industries	Foreign Languages	KIUSB17179	English Language	Bachelor	3
Creative Industries	Foreign Languages	KIUSB17101	English Language	Bachelor	3
Creative Industries	Creative Communication	KIKOB20101	Introduction to Studies	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	Creative Communication	KIKOB17054	Media Studies (with course work)	Bachelor	6
Creative Industries	Entertainment industries	KIPIB17070	Music industry	Bachelor	3
Creative Industries	Entertainment industries	KIPIB20501	Photography studies	Bachelor	6
Creative Industries	Entertainment industries	KIPIB91002	Producing for TV	Bachelor	3
Creative Industries	Creative Communication	KIKOB18301	Quantitative Research (with course work)	Bachelor	6
Creative Industries	Foreign Languages	KIUSB17167	Speciality English Language	Bachelor	3
Creative Industries	Foreign Languages	KIUSB17098	Speciality English Language 1	Bachelor	3
Creative Industries	Foreign Languages	KIUSB17170	Speciality English Language 2	Bachelor	3
Electronics	Electronic Systems	ELESB16510	Computer Architecture	Bachelor	3
Electronics	Electronic Systems	ELESB16519	Computerized Measurement Systems	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

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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	Electronic Systems	ELESB16102	Introduction to Informatics Engineering	Bachelor	3
Electronics	Electrical Engineering	ELEIB16351	Mechatronic Equipment	Bachelor	6
Electronics	Electronic Systems	ELESB16513	Operating System Concepts	Bachelor	6
Electronics	Electronic Systems	ELESB16504	Operating System Concepts	Bachelor	3
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	ELESB16515	Signals and Systems	Bachelor	3
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	Electronic Systems	ELESB16506	Theory of Electromagnetic Field	Bachelor	3
Electronics	Electrical Engineering	ELEIM17100	Electrical Energy and Market	Master	6
Electronics	Electrical Engineering	ELEIM17102	Electrical Power Systems (with Course Project)	Master	9
Electronics	Electrical Engineering	ELEIM17354	Electrics Drives of Mechatronic Systems	Master	9
Electronics	Electrical Engineering	ELEIM17302	Electromagnetic Pulse Power Technologies	Master	6
Electronics	Electronic Systems	ELESM17103	Fundamentals of Research and Innovations	Master	6
Electronics	Electrical Engineering	ELEIM17301	Photovoltaic Energy Systems	Master	9
Electronics	Electrical Engineering	ELEIM17300	Wind Energy Systems	Master	9



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Environmental Engineering	Building Energetics	APPEB16303	Engineering Thermodynamics	Bachelor	6
Environmental Engineering	Environment Protection and Water Engineering	APAVB19101	Environmental Chemistry	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	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	Roads	APKLM93001	Innovative Scientific Solutions	Master	3
Environmental Engineering	Environment Protection and Water Engineering	APAVM17146	Modelling of Environmental Processes (with course project)	Master	9
Environmental Engineering	Environment Protection and Water Engineering	APAVM17129	Physical and Chemical Process in Environment	Master	6
Environmental Engineering	Environment Protection and Water Engineering	APAVM17251	Scientific Researches and Innovations	Master	6
Environmental Engineering	Roads	APKLM93101	Scientific Researches in Road Engineering	Master	3
Environmental Engineering	Roads	APKLM93301	Urban Public Transport	Master	3
Fundamental Sciences	Mathematical Statistics	FMSAB16101	Algebra and Differential Calculus	Bachelor	6
Fundamental Sciences	Mathematical Statistics	FMSAB16108	Algebra and Differential Calculus	Bachelor	6
Fundamental Sciences	Mathematical Modelling	FMMMB16101	Algebra and Differential Calculus	Bachelor	6
Fundamental Sciences	Information Systems	FMISB16204	Algorithms and Data Structures	Bachelor	6
Fundamental Sciences	Engineering Graphics	FMIGB16004	Applied Engineering Graphics	Bachelor	3

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Fundamental Sciences	Engineering Graphics	FMIGB16301	Applied Engineering Graphics	Bachelor	6
Fundamental Sciences	Chemistry and Bioengineering	FMCHB16109	Chemistry	Bachelor	6
Fundamental Sciences	Chemistry and Bioengineering	FMCHB16106	Chemistry	Bachelor	3
Fundamental Sciences	Chemistry and Bioengineering	FMCHB16101	Chemistry	Bachelor	3
Fundamental Sciences	Chemistry and Bioengineering	FMCHB16102	Chemistry	Bachelor	6
Fundamental Sciences	Information Technologies	FMITB18709	Cloud Computing (with course work)	Bachelor	6
Fundamental Sciences	Engineering Graphics	FMIGB20101	Computer Graphics	Bachelor	3
Fundamental Sciences	Information Systems	FMISB18500	Cryptography and Information Security	Bachelor	6
Fundamental Sciences	Information Systems	FMISB16504	Database Management	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	FMGSB16103	Engineering and Computer Graphics	Bachelor	6
Fundamental Sciences	Graphical Systems	FMGSB16102	Engineering and Computer Graphics	Bachelor	3
Fundamental Sciences	Mathematical Statistics	FMSAB16121	Fundamentals of Mathematical Analysis	Bachelor	9
Fundamental Sciences	Chemistry and Bioengineering	FMCHB19104	General Chemistry	Bachelor	6
Fundamental Sciences	Physics	FMFIB16115	General Physics	Bachelor	6
Fundamental Sciences	Physics	FMFIB16119	General Physics	Bachelor	6
Fundamental Sciences	Physics	FMFIB16113	General Physics	Bachelor	3
Fundamental Sciences	Graphical Systems	FMGSB16508	Human Computer Interaction	Bachelor	6
Fundamental Sciences	Information Systems	FMISB16106	Information Technologies	Bachelor	6
Fundamental Sciences	Information Systems	FMISB16101	Information Technologies	Bachelor	6
Fundamental Sciences	Information Systems	FMISB18100	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
Fundamental Sciences	Mathematical Modelling	FMMMB16109	Mathematics	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	Engineering Graphics	FMIGB16302	Object-Oriented, Parametric Modeling BIM 1	Bachelor	3
Fundamental Sciences	Information Technologies	FMITB16101	Operating Systems	Bachelor	6
Fundamental Sciences	Physics	FMFIB19122	Physics	Bachelor	6
Fundamental Sciences	Physics	FMFIB16124	Physics	Bachelor	6
Fundamental Sciences	Physics	FMFIB16128	Physics 1	Bachelor	6
Fundamental Sciences	Mathematical Statistics	FMSAB20325	Probability Theory and Mathematical Statistics	Bachelor	6
Fundamental Sciences	Mathematical Statistics	FMSAB16310	Probability Theory and Mathematical Statistics	Bachelor	6
Fundamental Sciences	Mathematical Modelling	FMMMB16301	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	FMITB17504	Programming Technologies (with course work)	Bachelor	6
Fundamental Sciences	Information Technologies	FMITB17702	Servers Software	Bachelor	6
Fundamental Sciences	Information Technologies	FMITB16709	Software Testing	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	FMISM20103	Databases and Electronic Document Security	Master	6
Fundamental Sciences	Information Systems	FMISM20100	Fundamentals of Scientific Research and Innovations	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
Fundamental Sciences	Mathematical Modelling	FMMMA16111	Mathematical Models of Modern Architecture	Integrated	3
Mechanics	Biomechanical Engineering	MEBIB17028	Automatic Control	Bachelor	6
Mechanics	Mechanical and Material Engineering	MEMKB17158	Cutting Processes and Tools	Bachelor	3

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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	MERSB17106	Introduction to Mechatronics and Robotics	Bachelor	3
Mechanics	Mechanical and Material Engineering	MEMKB17146	Introduction to Speciality	Bachelor	3
Mechanics	Mechanical and Material Engineering	MEMKB17157	Machines of Energy Transformation (with course work)	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	Mechanical and Material Engineering	MEMKM17361	Diagnostic and Monitoring	Master	6
Mechanics	Biomechanical Engineering	MEBIM17063	Dynamics of Biomechanical Systems	Master	12
Mechanics	Mechanical and Material Engineering	MEMKM17338	Dynamics of Mechanical Systems (with course work)	Master	12
Mechanics	Biomechanical Engineering	MEBIM17073	Engineering systems of medical facilities (with course project)	Master	9

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Mechanics	Mechatronics, Robotics and Digital Manufacturing	MERSM17156	Experimental Research of Mechatronic Systems	Master	9
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	Mechanical and Material Engineering	MEMKM17345	Master Graduation Thesis 1	Master	3
Mechanics	Mechatronics, Robotics and Digital Manufacturing	MERSM17152	Master Graduation Thesis 1	Master	3
Mechanics	Mechanical and Material Engineering	MEMKM17371	Master Graduation Thesis 3	Master	3
Mechanics	Mechatronics, Robotics and Digital Manufacturing	MERSM17174	Master Graduation Thesis 3	Master	3
Mechanics	Biomechanical Engineering	MEBIM17064	Means and Utilization Equipment of Health-Care Wastes	Master	6
Mechanics	Mechatronics, Robotics and Digital Manufacturing	MERSM17155	Mechanics of Mechatronic and Robotic Systems (with course project)	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	Biomechanical Engineering	MEBIM17075	Rehabilitation Engineering	Master	9
Mechanics	Mechanical and Material Engineering	MEMKM20101	Reliability of Mechanical Systems	Master	6
Mechanics	Mechanical and Material Engineering	MEMKM17365	Simulation of Mechanical Systems (with course project)	Master	12

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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
Mechanics	Biomechanical Engineering	MEBIM17072	Tissue Engineering and Regenerative Medicine	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	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	TIMGM18371	Self Driving Vehicles (with course project)	Master	9
Transport Engineering	Mobile Machinery and Railway Transport	TIMGM18166	The Finite Elements Method	Master	9
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	Aeronautical Engineering	AIAIA19402	Aircraft General Knowledge: airframe	Integrated	6
Antanas Gustaitis' Aviation Institute	Aviation Technologies	AISVA19402	Aviation English 2: rules of radiotelephony	Integrated	3
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	AISVA19601	Meteorology	Integrated	9

Faculty	Department	Course Code	Course Title	Level	ECTS
Antanas Gustaitis' Aviation Institute	Aeronautical Engineering	AIAIA19801	Unmanned Aerial Vehicles and their Systems	Integrated	3
Architecture	Architectural Fundamentals, Theory and Arts	ARPGA17017	Aesthetics of Architecture	Integrated	3
Architecture	Urban Design	ARURA16006	Architecture and Heritage	Integrated	15
Architecture	Architecture	ARARA17005	Architecture and technology	Integrated	15
Architecture	Architectural Fundamentals, Theory and Arts	ARPGA17018	Architecture Research Methodology	Integrated	6
Architecture	Architectural Fundamentals, Theory and Arts	ARPGA19023	Basics of Building Information Modeling	Integrated	3
Architecture	Architectural Fundamentals, Theory and Arts	ARPGA17005	Contemporary art project and architecture	Integrated	3
Architecture	Architectural Fundamentals, Theory and Arts	ARPGA17003	Drawing 2	Integrated	6
Architecture	Design	ARDIB16204	Drawing Graphics and Fonts	Integrated	6
Architecture	Architecture	ARARA20202	Fundamentals of Architectural Design	Integrated	15
Architecture	Architectural Fundamentals, Theory and Arts	ARPGA17012	History and Composition of Lithuanian Architecture	Integrated	6
Architecture	Architectural Fundamentals, Theory and Arts	ARPGA17010	History of Architecture 1	Integrated	3
Architecture	Architectural Fundamentals, Theory and Arts	ARPGA17015	History of Urban Form and Composition	Integrated	6
Architecture	Design	ARDIB16602	Light Communication and Management	Integrated	3
Architecture	Architectural Fundamentals, Theory and Arts	ARPGA17024	Protection of Immovable Cultural Heritage	Integrated	6
Architecture	Architectural Fundamentals, Theory and Arts	ARPGA17016	Psychology and Ethics in Architecture	Integrated	3
Architecture	Architecture	ARARA16004	Scale in Architecture	Integrated	3
Architecture	Architectural Fundamentals, Theory and Arts	ARPGA17025	Theory of City Culture and Architectural Criticism	Integrated	6
Architecture	Urban Design	ARURA17003	Urban Structures	Integrated	15

Faculty	Department	Course Code	Course Title	Level	ECTS
Business Management	Financial Engineering	VVFRB19809	Behavioral Finance	Bachelor	6
Business Management	Management	VVKB17808	Business Communication	Bachelor	3
Business Management	Law	VVTEB16403	Business Law	Bachelor	3
Business Management	Law	VVTEB16204	Business Law	Bachelor	6
Business Management	Business Technologies and Entrepreneurship	VTVB17272	Business Projects (with course work)	Bachelor	6
Business Management	Financial Engineering	VVFRB16401	Corporate Financial Management	Bachelor	6
Business Management	Financial Engineering	VVFRB16607	Course Project of Financial Analysis	Bachelor	3
Business Management	Economics Engineering	VVEIB17201	Economics of Public Sector (with a course work)	Bachelor	6
Business Management	Business Technologies and Entrepreneurship	VTVB17184	Engineering Principles	Bachelor	3
Business Management	Business Technologies and Entrepreneurship	VTVB17087	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	VVFRB19806	Financial Risk Management	Bachelor	6
Business Management	Management	VVKB20401	Human Resources	Bachelor	6
Business Management	Management	VVKB17806	Human Resources Management	Bachelor	3
Business Management	Business Technologies and Entrepreneurship	VTVB19801	Information Management Systems	Bachelor	3
Business Management	Management	VVKB17029	Intercultural Communication	Bachelor	3
Business Management	Economics Engineering	VVEIB20601	International Economics	Bachelor	3
Business Management	Financial Engineering	VVFRB17603	International Finance	Bachelor	3
Business Management	Law	VVTEB16806	Law	Bachelor	3
Business Management	Law	VVTEB16805	Law	Bachelor	3
Business Management	Business Technologies and Entrepreneurship	VTVB17173	Logistics	Bachelor	6
Business Management	Economics Engineering	VVEIB17191	Macroeconomics	Bachelor	6



Faculty	Department	Course Code	Course Title	Level	ECTS
Business Management	Management	VVKB17157	Management	Bachelor	3
Business Management	Management	VVKB19807	Marketing Management	Bachelor	3
Business Management	Management	VVKB19804	Marketing Management Complex Project	Bachelor	6
Business Management	Economics Engineering	VVEIB17801	Microeconomics	Bachelor	6
Business Management	Economics Engineering	VVEIB19808	Network Economics	Bachelor	6
Business Management	Financial Engineering	VVFRB16601	Pricing	Bachelor	6
Business Management	Economics Engineering	VVEIB19807	Processes of Globalisation	Bachelor	6
Business Management	Economics Engineering	VVEIB17027	Regional Economics II: China	Bachelor	3
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	VVEIM18405	Advanced Economies	Master	6
Business Management	Management	VVVKM17056	International Management (with course project)	Master	9
Business Management	Management	VVVKM17100	Theory of Organization	Master	6
Civil Engineering	Steel and Composite Structures	STMEB17040	Aluminium Structures	Bachelor	3
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	Construction Management and Real Estate	STVNB17311	Building Construction Technology and Organization	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	STGGB17062	Human's Safety and Environmental Protection	Bachelor	3
Civil Engineering	Steel and Composite Structures	STMEB17032	Integrated Project (Steel Structures 2; Building Construction Technology and Organization)	Bachelor	6
Civil Engineering	Building Materials and Fire Safety	STGGB17174	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	Steel and Composite Structures	STMEB17002	Steel Structures 1	Bachelor	5
Civil Engineering	Steel and Composite Structures	STMEB17031	Steel Structures 2	Bachelor	6
Civil Engineering	Construction Management and Real Estate	STVNB17303	Technology of Construction Processes	Bachelor	6
Civil Engineering	Steel and Composite Structures	STMEB17037	Timber Structures	Bachelor	3
Civil Engineering	Steel and Composite Structures	STMEM17148	Computer Aided Design of Bridges and Special Structures (BIM) (with course project)	Master	9
Civil Engineering	Reinforced Concrete Structures and Geotechnics	STGGM17124	Durability and Probability Analysis of Building Structures	Master	6
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	Creative Communication	KIKOB18601	Advertising (with course work)	Bachelor	6
Creative Industries	Creative Communication	KIKOB19601	Bachelor Graduation Thesis 1	Bachelor	3
Creative Industries	Creative Communication	KIKOB17077	Complex project	Bachelor	9

Faculty	Department	Course Code	Course Title	Level	ECTS
Creative Industries	Creative Communication	KIKOB20107	Creative Industries Studies (with course work)	Bachelor	6
Creative Industries	Creative Communication	KIKOB20102	Digital communication	Bachelor	6
Creative Industries	Foreign Languages	KIUSB17152	English Language	Bachelor	3
Creative Industries	Entertainment industries	KIPB92004	Film Projects	Bachelor	3
Creative Industries	Creative Communication	KIKOB20105	Innovation Management	Bachelor	6
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	Creative Communication	KIKOB17065	Public relations	Bachelor	6
Creative Industries	Creative Communication	KIKOB18402	Qualitative Research (with course work)	Bachelor	6
Creative Industries	Entertainment industries	KIPB92005	Screenwriting for Film and Television	Bachelor	3
Creative Industries	Foreign Languages	KIUSB17188	Speciality English Language <i>(for Mechanics faculty students)</i>	Bachelor	3
Creative Industries	Foreign Languages	KIUSB17185	Speciality English Language <i>(for Electronics faculty students)</i>	Bachelor	3
Creative Industries	Foreign Languages	KIUSB17123	Speciality English Language	Bachelor	3
Creative Industries	Foreign Languages	KIUSB17119	Speciality English Language <i>(for Environmental Engineering faculty students)</i>	Bachelor	3
Creative Industries	Foreign Languages	KIUSB17116	Speciality English Language <i>(for Civil Engineering, Architectural Engineering, Construction Technology and Management students)</i>	Bachelor	3
Creative Industries	Foreign Languages	KIUSB18110	Speciality English Language	Bachelor	3
Creative Industries	Foreign Languages	KIUSB17129	Speciality English Language 1 <i>(for Business Management faculty students)</i>	Bachelor	3
Creative Industries	Foreign Languages	KIUSB17146	Speciality English Language 2 <i>(for Business Management faculty students)</i>	Bachelor	3
Creative Industries	Entertainment industries	KIPB92003	TV Development	Bachelor	3
Creative Industries	Entertainment industries	KIPB18602	Urban studies	Bachelor	3
Creative Industries	Creative Communication	KIKOB18401	Visual communication (with course work)	Bachelor	6
Creative Industries	Foreign Languages	KIUSA17005	Speciality English Language	Integrated	3
Electronics	Electrical Engineering	ELEIB16661	Automatic Control Devices and Systems	Bachelor	6
Electronics	Electrical Engineering	ELEIB16562	Automatic Control Systems (with course project)	Bachelor	6

Faculty	Department	Course Code	Course Title	Level	ECTS
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	Electronic Systems	ELESB16519	Computerized Measurement Systems	Bachelor	3
Electronics	Computer Science and Communications Technologies	ELKRB16202	Databases	Bachelor	3
Electronics	Electronic Systems	ELESB16502	Digital Devices	Bachelor	6
Electronics	Electronic Systems	ELESB16603	Digital Signal Processing	Bachelor	6
Electronics	Electronic Systems	ELESB20722	Digital Signal Processing Tools	Bachelor	6
Electronics	Electrical Engineering	ELEIB16403	Electrical Engineering	Bachelor	3
Electronics	Electrical Engineering	ELEIB16252	Electrical Engineering	Bachelor	6
Electronics	Electrical Engineering	ELEIB16251	Electrical Engineering	Bachelor	6
Electronics	Electronic Systems	ELESB16401	Electronic Devices	Bachelor	3
Electronics	Electronic Systems	ELESB16301	Fundamentals of Electronics	Bachelor	6
Electronics	Electrical Engineering	ELEIB16651	Human Safety	Bachelor	3
Electronics	Electrical Engineering	ELEIB16861	Industrial Logical Controllers	Bachelor	3
Electronics	Electronic Systems	ELESB16520	Information Coding	Bachelor	3
Electronics	Electronic Systems	ELESB16409	Information Systems Analysis	Bachelor	6
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
Electronics	Computer Science and Communications Technologies	ELKRB16823	Microtechnologies	Bachelor	3

Faculty	Department	Course Code	Course Title	Level	ECTS
Electronics	Computer Science and Communications Technologies	ELKRB16613	Microwave Technology	Bachelor	3
Electronics	Department of Electronic Systems	ELESB16513	Operating System Concepts	Bachelor	6
Electronics	Electronic Systems	ELESB16504	Operating System Concepts	Bachelor	3
Electronics	Electrical Engineering	ELEIB20801	Power Networks and Control Systems of Buildings	Bachelor	6
Electronics	Electronic Systems	ELESB16402	Signals and Circuits 1	Bachelor	6
Electronics	Electronic Systems	ELESB16501	Signals and Circuits 2	Bachelor	6
Electronics	Electronic Systems	ELESB16522	Signals and Systems	Bachelor	6
Electronics	Electrical Engineering	ELEIB16206	Smart Electrical and Electronics Systems of Buildings	Bachelor	3
Electronics	Electronic Systems	ELESB20724	Software Design	Bachelor	6
Electronics	Electronic Systems	ELESB16506	Theory of Electromagnetic Field	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	ELEIM17203	Modern Electrical Engineering	Master	6
Electronics	Electrical Engineering	ELEIM17200	Systemotechnique and Gauges	Master	6
Electronics	Electrical Engineering	ELEIM19201	Technology Systems and Sensors	Master	6
Environmental Engineering	Environment Protection and Water Engineering	APAVB19403	Atmosphere Protection (with course work)	Bachelor	6
Environmental Engineering	Geodesy and Cadastre	APGDB16052	Engineering Geodesy	Bachelor	3
Environmental Engineering	Geodesy and Cadastre	APGDB16054	Engineering Geodesy	Bachelor	3
Environmental Engineering	Environment Protection and Water Engineering	APPEB16404	Heat and Mass Transfer	Bachelor	6
Environmental Engineering	Environment Protection and Water Engineering	APPEB16407	Indoor Climate (with course project)	Bachelor	6
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	APAVM20107	Anthropogenic Impact on Environment	Master	6
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	Roads	APKLM93001	Innovative Scientific Solutions	Master	3
Environmental Engineering	Roads	APKLM93101	Scientific Researches in Road Engineering	Master	3
Environmental Engineering	Roads	APKLM92201	Sustainable Mobility	Master	3
Environmental Engineering	Roads	APKLM93301	Urban Public Transport	Master	3
Environmental Engineering	Environment Protection and Water Engineering	APAVM17141	Waste Management (with course work)	Master	9
Fundamental Sciences	Physics	FMFIB16220	Applied Physics	Bachelor	3
Fundamental Sciences	Physics	FMFIB19223	Applied Physics	Bachelor	3
Fundamental Sciences	Physics	FMFIB16214	Applied Physics	Bachelor	6
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	FMCHB16204	Biology	Bachelor	6
Fundamental Sciences	Chemistry and Bioengineering	FMCHB16202	Chemistry	Bachelor	3
Fundamental Sciences	Information Technologies	FMITB16811	Corporate Systems Architecture	Bachelor	3
Fundamental Sciences	Information Technologies	FMITB20400	Database Systems	Bachelor	6
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	Information Systems	FMISB18600	Electronic Operation Systems	Bachelor	6
Fundamental Sciences	Physics	FMFIB19214	Environmental Physics	Bachelor	6
Fundamental Sciences	Engineering Graphics	FMIGB17001	General and Applied Engineering Graphics	Bachelor	6

Faculty	Department	Course Code	Course Title	Level	ECTS
Fundamental Sciences	Chemistry and Bioengineering	FMCHB19104	General Chemistry	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	Mathematical Statistics	FMSAB19209	Integral Calculus	Bachelor	6
Fundamental Sciences	Mathematical Statistics	FMSAB16202	Integral Calculus	Bachelor	6
Fundamental Sciences	Mathematical Modelling	FMMMB16201	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
Fundamental Sciences	Mathematical Statistics	FMSAB19206	Probability Theory and Mathematical Statistics	Bachelor	9
Fundamental Sciences	Mathematical Modelling	FMMMB16209	Probability theory and mathematical statistics	Bachelor	6
Fundamental Sciences	Information Technologies	FMITB16429	Programming Techniques (with course project)	Bachelor	6
Fundamental Sciences	Engineering Graphics	FMIGB18201	Systems of 2D-CAD Engineering Graphics	Bachelor	6
Fundamental Sciences	Information Technologies	FMITB21610	Software Testing	Bachelor	6
Fundamental Sciences	Information Technologies	FMITB18720	Workflow Applications	Bachelor	3
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	MEMKB17236	Bachelor Graduation Thesis 2	Bachelor	6
Mechanics	Mechatronics, Robotics and Digital Manufacturing	MERSB17122	Bachelor Graduation Thesis 2	Bachelor	6

Faculty	Department	Course Code	Course Title	Level	ECTS
Mechanics	Mechanical and Material Engineering	MEMKB17237	Bachelor Graduation Thesis 3	Bachelor	9
Mechanics	Mechatronics, Robotics and Digital Manufacturing	MERSB17123	Bachelor Graduation Thesis 3	Bachelor	9
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	Mechatronics, Robotics and Digital Manufacturing	MERSB17120	Design of Mechatronic and Robotic Systems (with course project)	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	MEMKB17379	Materials Science 1	Bachelor	3
Mechanics	Mechanical and Material Engineering	MEMKB17151	Mechanical, Laser and Another Manufacturing Technologies	Bachelor	3
Mechanics	Mechatronics, Robotics and Digital Manufacturing	MERSB17113	Mechatronic Systems 2	Bachelor	6
Mechanics	Mechanical and Material Engineering	MEMKB18605	Numerical Design of Manufacturing Technologies	Bachelor	6



Faculty	Department	Course Code	Course Title	Level	ECTS
Mechanics	Mechanical and Material Engineering	MEMKB17165	Production Technology of Machines and Instruments	Bachelor	3
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	Mechanical and Material Engineering	MEMKB17238	Tribology	Bachelor	3
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	Mechanical and Material Engineering	MEMKM17350	Design of Mechanical Systems (with course project)	Master	12
Mechanics	Mechatronics, Robotics and Digital Manufacturing	MERSM17163	Diagnostics in Mechatronics	Master	6
Mechanics	Mechanical and Material Engineering	MEMKM17351	Engineering Ecology	Master	3
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

Faculty	Department	Course Code	Course Title	Level	ECTS
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	Master	30
Mechanics	Mechanical and Material Engineering	MEMKM17360	Master Graduation Thesis 2	Master	3
Mechanics	Mechatronics, Robotics and Digital Manufacturing	MERSM17164	Master Graduation Thesis 2	Master	3
Mechanics	Mechanical and Material Engineering	MEMKM17375	Master Graduation Thesis 4	Master	30
Mechanics	Mechatronics, Robotics and Digital Manufacturing	MERSM17176	Master Graduation Thesis 4	Master	30
Mechanics	Biomechanical Engineering	MEBIM17070	Methods of Biotechnical Systems and Medical Diagnostic	Master	6
Mechanics	Mechatronics, Robotics and Digital Manufacturing	MERSM17166	Modelling of Mechatronic Systems	Master	9
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	TIAIB17076	Automobile Transport Traffic Safety	Bachelor	3
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	Mobile Machinery and Railway Transport	TIMGB17122	Diagnostic Methods of the Technological Equipment	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	Automobile Engineering	TIAIB17058	Vehicles Design	Bachelor	6