kaunas university of technology 1922

FACULTY OF
Mechanical Engineering and Design

• Please try to choose the courses from the same semester, in order to avoid timetable clashed.

• The majority of your subjects (around 3) should be from your main faculty with which your university has an agreement.

• Bachelor level students are only allowed to choose Master level subjects after receiving a permission from the professor of that subject.

Bachelor courses

Autumn

Course code	Course title	ECTSCredits	Semester
T210B198	Engineering Drawing	6	1
T310B109	Aviation Materials	6	3
T210B199	Computer-Aided Design	6	3
P190B504	Mechanics of Materials	6	3
T150B017	Clothing Pattern Construction and Modeling	6	3
W230B010	Fashion Evolution	3	3
T150B023	Metals and Ceramics	6	3
T130B178	Technological Machines and Tools	6	3
T450B112	Technologies of Structural Materials	3	3
T200B109	Applied Thermodynamics and Fluid Mechanics	6	5
T210B403	Machine Elements	6	5
T210B116	Machine Elements	9	5
T210B162	Measurements and Control	6	5
T310B106	Types, Constructions and Systems of Aircrafts	6	5
T310B116	Unmanned Aerial Vehicles and their Systems	6	5
T130B012	Manufacturing Engineering	6	5
T110B405	Measurements	6	5
P240B100	Thermal Hydromechanics	6	5
T310B010	Air Law	3	7
T310B108	Aviation Engines	6	7
T310B115	Avionics	6	7
T130B134	Modern Technologies of Aircraft Manufacturing	6	7
T310B113	Aerodynamics of Aircrafts and Dynamics of Flight	9	7
T150B144	International Textile and Clothing Industry	6	7
T150B194	Fashion Research and Prototyping	6	7
T150B195	Fashion Collections	6	7
T210B191	Product Aesthetics	6	7

T210B436	Fluid Power Systems	3	7
T130B114	Computer Numerical Control Programming	6	7
T210B424	Quality Assurance	6	7
T210B210	Mechatronic System Design	6	7
T130B183	Digitalization in Design and Manufacturing	6	7

Spring

Course code	Course title	ECTSCredits	Semester
P190B231	Theoretical Mechanics	6	2
T450B103	Materials Science and Engineering	6	2
T210B198	Engineering Drawing	6	2
T130B186	Fundamentals of Digital Manufacturing and Mechatronics	6	2
W200B104	Fundamentals of Fashion Design	3	2
T470B125	Materials Science	9	2
T210B301	Computer Drawing	3	2
T310B100	Human Factors in Aviation	3	2
T310B107	Fundamentals of Aerodynamics	6	2
T210B168	Engineering Mechanics	6	2
T200B109	Applied Thermodynamics and Fluid Mechanics	6	4
T210B147	Structural Integrity	6	4
T210B200	Machine Dynamics	6	4
T210B171	Numerical Methods in Engineering	6	4
T120B008	Signals Theory	3	4
T310B107	Fundamentals of Aerodynamics	6	4
W240B001	Methods of Prototyping	3	4
T210B036	Computer-Aided Analysis of Structures	6	6
T210B196	Design of Mechanical System	6	6
T120B007	Microprocessor Technique	6	6
T210B146	Lightweight Structures	6	6
T210B152	Aircraft Design	6	6
T150B175	Functional Clothing	6	6
T470B149	Development of New Product of Fashion	6	6

Master courses

Autumn

Course code	Course title	ECTS Credits	Semester
T310M107	Aircraft and their Systems Investigation	6	1
T310M010	Computational Aerodynamics	6	1
T310M101	Design of Aircrafts and Unmanned Aerial Vehicles	6	1
T130M008	Industrial Production	6	1
T130M009	Manufacturing Planning and Control	6	1
T210M136	Product Development	6	1
T210M032	Integrated CAD/CAE/CAM Systems	6	1
T210M435	Mechanical Vibrations	6	1
T210M015	Experimental Mechanics	6	1
T210M153	Adaptive Mechanics and Mechatronic Systems	6	1
T210M109	Microelectromechanical Systems Design	6	1
T280M634	Design of Vehicles	6	1
T280M632	Investigations of Transport Means and Systems	6	1
T280M002	Vehicle Dynamics, Interaction and Energy Efficiency	6	1
T310M104	Process Modelling for Unmanned Aircraft Systems	6	3
T130M833	Computer Integrated Manufacturing	6	3
T130M016	Quality Management	6	3
T130M192	Virtual Prototyping	6	3
T125M125	Robotics	6	3
T210M149	Models of Multiphysics Systems	6	3

Spring

Course code	Course title	ECTS Credits	Semester
T000M161	Research Project (Fashion Innovation Technologies program)	6	2
T130M016	Quality Management	6	2
T210M023	Computer-Aided Analysis of Structures	6	2
T130M023	Innovative Production Technologies	6	2
T210M134	Industrial Maintenance	6	2
T210M203	Applied Fluid Dynamics	6	2
T210M513	Computational Solid Mechanics	6	2
T210M110	Dynamics of Mechatronic Systems	6	2
T210M032	Integrated CAD/CAE/CAM Systems	6	2
T130M030	Automation of Production Processes	6	2

T310M103	Flight Control and Management Systems	6	2
T180M122	Telecommunications and Navigation	6	2
T210M514	Structural Integrity of Aircraft Structures	6	2
W240M010	Circular Design Strategies	6	2
W200M100	Design for the Future	6	2
W200M104	Parametric Modelling and Prototyping	6	2