

WT: winter semester

ST: summer semester

SK KOSICE03: Courses - Faculty of Mechanical Engineering, TUKE	Semester	ECTS credits	Study cycle	Code of subject
Application of CAD / CAM in Design	WT	1	Bachelor	23004578
Automatic control systems	WT	1	Bachelor	23003641
Automation and automation technology	ST	7	Bachelor	23004197
Automobile Production	WT	3	Bachelor	23003672
Basic of Workstations and Plants design for Automobile	WT	6	Bachelor	23003676
Basic of automobile construction	ST	2	Bachelor	23005261
Basic of Machine Design	WT	6	Bachelor	23005161
Basic of machines maintenance	WT	2	Bachelor	23004006
Basic of mechatronics	ST, WT	4	Bachelor	23004498
Basics in Constructive and Computer Geometry	WT	3	Bachelor	23005210
Basics of biomedical engineering	WT	2	Bachelor	23004166
Basics of Digital and Virtual Technologies	WT	2	Bachelor	23003825
Basics of Logistics	WT	1	Bachelor	23003652
Basics of Machine Design	WT	6	Bachelor	23004597
Basics of Modelling and Simulation of Technological Processes	WT	8	Bachelor	23003911
Basics of robotics	WT	2	Bachelor	23003664
Basics of tools and fixtures design	WT	6	Bachelor	23003769
Basis of Industrial Engineering	WT	2	Bachelor	23003782
CA Methods in Engineering Production	ST	1	Bachelor	23003962
CAD / CAM in Production Development	WT	2	Bachelor	23003995
Computer Graphics	ST	1	Bachelor	23005164
Computer mechanics	ST	2	Bachelor	23004493
Design and CAD	ST	2	Bachelor	23004576
Design of Machines and Machine Parts	ST	4	Bachelor	23005167
Designing the Engineering Production	ST	7	Bachelor	23003828
Dynamics	ST	5	Bachelor	23005177
Elasticity and strength	WT	10	Bachelor	23004459
Elasticity and strength I.	WT	10	Bachelor	23005179
Elasticity and strength II.	ST	7	Bachelor	23005180
Electrical Engineering and Electronics	WT	4	Bachelor	23005189
Engineering Matrology	WT	6	Bachelor	23005202
Enterprise Information and Communication Systems	ST	7	Bachelor	23003830
Foundamentals of Engineering Materials	WT	6	Bachelor	23005204
Fundamentals of Automation	WT	2	Bachelor	23003639
Fundamentals of Technical Systems Safety	WT	2	Bachelor	23004187
History of technology	WT	1	Bachelor	23005136
Human Resource Management	ST	2	Bachelor	23004970
Hydro and Thermodynamics	ST	7	Bachelor	23003930
Hydromechanics	ST	5	Bachelor	23005196
Informatics	WT	2	Bachelor	23004050
Intorduction to Programming of NC Machines in Automotive	ST	1	Bachelor	23003802
Introduction to environmental engineering	WT	2	Bachelor	23004507
Kinematics	WT	5	Bachelor	23005176
Laboratory Tests and Inspection for Autmobile Production	WT	2	Bachelor	23003764
Logistics Systems	WT	6	Bachelor	23003821
Machine Design	ST	3	Bachelor	23005163
Machine Design-Transmission	WT	3	Bachelor	23005169
Machines for Building Industry, Agriculture and Dressing	WT	1	Bachelor	23003653
Marketing	ST	1	Bachelor	23004964
Mathematical Calculations Using MAPLE	ST	1	Bachelor	23005133
Mathematical Software	ST	1	Bachelor	23005131

Mathematics I.	WT	8	Bachelor	23005192
Mathematics II.	ST	6	Bachelor	23005193
Mathematics III.	WT	4	Bachelor	23005194
Mathematics IV.	ST	4	Bachelor	23005195
Mechanics I.	ST	5	Bachelor	23004461
Mechanics II.	WT	4	Bachelor	23004462
Modeling of mechatronic systems	WT	2	Bachelor	23004163
Modelling of technical objects	WT	4	Bachelor	23005182
Monitoring and analysis of data in the experiment	WT	1	Bachelor	23004593
Numerical Methods	WT	2	Bachelor	23005207
Physics of Materials	ST	2	Bachelor	23004767
Planning, production and operation of automobiles	ST, WT	7	Bachelor	23004181
Power machines	ST	7	Bachelor	23004196
Practical Metallography	WT	1	Bachelor	23004769
Product Design for Automotive Production	ST, WT	7	Bachelor	23004182
Production and Products Innovation	ST	6	Bachelor	23003674
Production Management	WT	6	Bachelor	23004974
Production of Automobile Components	ST	6	Bachelor	23003673
Programming techniques	WT	3	Bachelor	23005259
Quality Management System	WT	2	Bachelor	23004202
Quality of production	ST	2	Bachelor	23004982
Renewable energy	WT	1	Bachelor	23004570
Rhetoric	WT	1	Bachelor	23005260
Robotic Systems	WT	1	Bachelor	23004648
Selected Chapters from Material Engineering	WT	2	Bachelor	23003863
Selected Chapters from Engineering Materials	ST	1	Bachelor	23005220
Selected Chapters from Material Engineering	WT	2	Bachelor	23005221
Selected Chapters from Mathematics	WT	2	Bachelor	23005209
Semestral Project	WT	2	Bachelor	23004192
Special Chapters from Machine Design Principles	WT	2	Bachelor	23005162
Statics	ST	5	Bachelor	23005175
Statistical Software	ST	1	Bachelor	23005132
Structure and Properties of Materials	ST	4	Bachelor	23005212
Supply Systems in Automobile Production	WT	2	Bachelor	23003763
Technical Law and Intellectual Property Protection	ST	1	Bachelor	23003781
Technology I.	ST	5	Bachelor	23005213
Technology II.	WT	5	Bachelor	23005214
The Basic from environment	ST, WT	2	Bachelor	23005137
The basic of the statistical analysis	ST, WT	2	Bachelor	23005129
Thermodynamics	WT	5	Bachelor	23005197
Transport and handling technics	ST	7	Bachelor	23004191
Fast preparation of prototypes of mechatronic systems	WT	4	Master	23004059
ICT for intelligent environment	ST	4	Master	23004524
Wireless Monitoring and Control	ST, WT	5	Master	23004534
Applied Mathematics	ST, WT	5	Master	23005135
Applied Mechanics	WT	5	Master	23004592
Artificial Intelligence and Neural Networks	ST, WT	4	Master	23004496
Assembly Technology in Automotive Production	WT	2	Master	23003592
Automation and Robotics	WT	3	Master	23003937
Automatization and Robotics	ST	4	Master	23004594
Automobile Components and Supply Systems	ST	8	Master	23003583
Automobile Design	WT	5	Master	23003577
Automotive electronics	ST	3	Master	23001467
Automotive Production Management	WT	6	Master	23003578
Biomedical engineering	WT	3	Master	23004167
Business Controlling	ST	7	Master	23003690

Business Design	ST	5	Master	23003703
Business Information System	WT	3	Master	23003728
Business Processes and Systems	ST, WT	5	Master	23003704
Business Strategies	WT	7	Master	23003685
CAD method of structural design	ST	4	Master	23004582
CAx Methods in Technological Preparation of Production 1	WT	2	Master	23003678
CAx Methods in Technological Preparation of Production 2	ST	2	Master	23003809
Combustion Engines	WT	5	Master	23004572
Communication Interfaces	WT	5	Master	23004526
Complex methods and means of automation of processes,	ST, WT	5	Master	23004533
Computer Aided Design	WT	4	Master	23003740
Computer aided design of mechatronic systems	WT	4	Master	23004545
Control of the technical systems	ST, WT	5	Master	23004492
Creation and Management of Innovation Processes	WT	5	Master	23003694
Crisis Business Management	WT	5	Master	23003696
Database Systems	ST, WT	3	Master	23003700
Design and Operation of Production Systems	ST	7	Master	23003689
Design of automatic control systems	WT	4	Master	23004528
Design of Production Processes	WT	7	Master	23003684
Design of Production Systems in Digital Enterprise	WT	4	Master	23003742
Designing of Production Systems	WT	4	Master	23003745
Designing processes using CAD	WT	3	Master	23004587
Diagnosis and maintenance of machinery	WT	2	Master	23004158
Digital Factory and Information Security	WT	2	Master	23004530
Digitalization and Virtualization of Production	ST	3	Master	23003692
Ecology and Environmental protection	WT	3	Master	23004508
Ecology and Environmental protection	WT	4	Master	23004511
Economic and industrial Law	ST	2	Master	23003785
Economic Tools of Business Management	WT	6	Master	23003686
Economics and Management of Company	ST	4	Master	23003784
Electrical Engineering for Automation	WT	5	Master	23004514
Electromechanical systems	ST, WT	5	Master	23004054
Embedded systems of mechatronic systems	ST	5	Master	23004061
Engineering Economics	WT	3	Master	23003699
Engineering Materials	WT	5	Master	23004765
Engineering of Production Quality	WT	3	Master	23004210
Environmental engineering	WT	5	Master	23004509
Environmental engineering and recycling in automotive	WT	4	Master	23004349
Ergonomics, Analysis and Work Measurement	WT	5	Master	23003687
Fieldbus and interfaces	WT	4	Master	23004497
Heat and Mass Transfer	WT	3	Master	23004569
Identification, modeling and simulation of systems	ST	5	Master	23004519
Information security for engineering production	ST	5	Master	23003642
Information-Control Systems	WT	5	Master	23004525
Innovation Project I	WT	3	Master	23003581
Innovation Project II	ST	3	Master	23003588
Innovation in Automotive Production	WT	4	Master	23004324
Inovations in Automotive Production and Operation	WT	10	Master	23003589
IT Systems for Automotive Production	ST	3	Master	23003808
Kinematics and dynamics of commitment dynamical systems	WT	6	Master	23004542
Laboratory Project I	WT	3	Master	23003580
Laboratory Project II	ST	3	Master	23003586
Laboratory Training	WT	3	Master	23003697
Leadership	WT	2	Master	23005223
Limit states of the structures	WT	5	Master	23004485
Logic Control	ST, WT	4	Master	23004523

Logical control systems	WT	4	Master	23004056
Logistics of Production and Technical Systems	ST	4	Master	23004656
Management of Investment Business Development	ST	6	Master	23003691
Materials for Automotive Production	WT	4	Master	23003991
Mathematical Methods in Automatization	WT	5	Master	23003645
Means of Automatic Control	WT	5	Master	23004502
Means of Automatic Control II.	ST	6	Master	23004518
Mechanics of composite materials	WT	4	Master	23004057
Mechanics of robots	ST	4	Master	23004454
Mechanisms of machines	ST	6	Master	23003735
Mechatronic system design	ST	5	Master	23004063
Mechatronics I.	ST, WT	6	Master	23004503
Mechatronics	WT	5	Master	23004596
Mechatronics II.	WT	4	Master	23004574
Mechatronics of Robots	ST	4	Master	23004458
Mechatronics systems	WT	4	Master	23004589
Methods of technical creativity and project management	WT	4	Master	23004529
Micromechatronics	ST	4	Master	23003604
Mikroprocessor technology	ST, WT	4	Master	23003807
Modal analysis of mechanical systems	ST	4	Master	23003597
Modeling and simulation of mechatronic systems	WT	4	Master	23004060
Modelling and Simulation of Logistic Processes	WT	5	Master	23003695
NC machines and systems	ST	4	Master	23004653
Nonlinear mechanics and continuum mechanics	WT	5	Master	23004541
Numerical methods of mechanics	WT	6	Master	23004591
Numerical methods of mechanics I.	ST	5	Master	23004538
Numerical methods of mechanics II.	WT	5	Master	23004539
Optimization of mechatronics systems	ST	4	Master	23004058
Plasticity and creep	ST	6	Master	23004540
Processes of Automobile Product Design	ST	5	Master	23003594
Product and Production Certification in Automotive Production	WT	5	Master	23003591
Production Automation	WT	3	Master	23003732
Production Management	WT	3	Master	23003783
Programming of applications	WT	4	Master	23004055
Programming of NC Machines	ST	4	Master	23003680
Progressive Technologies	ST	4	Master	23003989
Project Management	WT	6	Master	23003731
Quality Management	ST	3	Master	23004214
Rapid Prototyping	WT	2	Master	23003813
Rehabilitation technology	WT	3	Master	23004168
Safety in production and operation of automobiles	WT	2	Master	23004212
Safety in the design of machinery	WT	3	Master	23004211
Safety of Technical Systems	WT	3	Master	23004207
Semestral Project	ST	3	Master	23004074
Sensors and converters	WT	5	Master	23003806
Sensors Systems	WT	4	Master	23004516
Simulation of Production Processes	WT	3	Master	23003811
Technical Creativity	WT	3	Master	23003582
Technical diagnostic	ST, WT	4	Master	23004455
Technology and Management of Automobile Production	ST	5	Master	23003593
Technology of Automotive Production I	WT	5	Master	23003576
Technology of Automotive Production II	ST	6	Master	23003584
Testing and Inspection in Automobile Production	WT	3	Master	23003579
The design of process equipment	WT	5	Master	23004590
The processing and waste recycling	WT	3	Master	23004510
Theory and design of transport and building machinery	WT	3	Master	23004657

Theory of dynamics systems	ST, WT	5	Master	23004487
Theory of elasticity	WT	5	Master	23004537
Theory of engineering experiment	ST, WT	6	Master	23004469
Thermal stresses	WT	4	Master	23003600
Thin-walled structural elements	WT	4	Master	23004544
Turbines, Turboblenders, Fans	WT	4	Master	23004577
Vibration of mechanical systems	WT	5	Master	23004536
Vibrations control	WT	4	Master	23003805