

Faculty of Mechanics and Tehnology

MACHINE BUILDING TECHNOLOGY, Bachelor degree

<i>Subject</i>	<i>Semester</i>	<i>Number of ECTS credits</i>
<i>Mathematical Analysis</i>	1 st Sem	5
<i>Linear Algebra, Analytical and Differential Geometry</i>	1 st Sem	4
<i>Descriptive Geometry</i>	1 st Sem	5
<i>Technical Drawing</i>	2 nd Sem	4
<i>Materials Science and Engineering</i>	1 st Sem	5
<i>Physics</i>	1 st Sem	5
<i>Mechanics I</i>	2 nd Sem	4
<i>Computers programming and programming languages</i>	2 nd Sem	3
<i>Chemistry</i>	1 st Sem	3
<i>General Economics</i>	2 nd Sem	2
<i>Foreign Language I, II</i>	1 st Sem, 2 nd Sem	3,3
<i>Technology of Materials</i>	2 nd Sem	5
<i>Mathematical Analysis II</i>	2 nd Sem	3
<i>Technological Practice I</i>	2 nd Sem	3
<i>Numerical methods</i>	2 nd Sem	3
<i>Special Mathematics</i>	1 st Sem	3
<i>Computer Graphics</i>	1 st Sem	5
<i>Mechanics II</i>	1 st Sem	4
<i>Machine – tools Vibrations</i>	2 nd Sem	2
<i>Enterprise Economy - optional</i>	1 st Sem	3
<i>Foreign Language III, IV</i>	1 st Sem, 2 nd Sem	3,2
<i>Resistance of Materials I, II</i>	1 st Sem, 2 nd Sem	5,3
<i>Mechanisms</i>	2 nd Sem	3
<i>Mechanisms - project</i>	2 nd Sem	2
<i>Thermotechnics and Thermal Equipments</i>	2 nd Sem	3
<i>Electrotehnics and Electrical Machines</i>	1 st Sem	3
<i>Machine Parts</i>	2 nd Sem	3
<i>Fluid Mechanics, Hydraulic and Pneumatic Equipments</i>	1 st Sem	4
<i>Electronics</i>	2 nd Sem	3
<i>Fundamentals of Computer Aided Design I, II</i>	2 nd Sem	3
<i>Splinting Manufacturing</i>	2 nd Sem	3
<i>Technological Practice II</i>	2 nd Sem	3
<i>Tolerances and Dimensional Control</i>	1 st Sem	5
<i>Machine Parts</i>	1 st Sem	4
<i>Cold Deformation Technologies</i>	2 nd Sem	4
<i>Cold Deformation Technologies - project</i>	2 nd Sem	2
<i>Products Design</i>	1 st Sem	3
<i>Products Design - project</i>	1 st Sem	2
<i>Finite element methode</i>	1 st Sem	3
<i>Cold deformation Technologies</i>	1 st Sem	3
<i>Machine-tools</i>	1 st Sem	5
<i>Splinting Tools</i>	2 nd Sem	5
<i>Computer Aided Design</i>	1 st Sem	5
<i>Splinting Tools - project</i>	2 nd Sem	2
<i>Quality Management</i>	2 nd Sem	4
<i>Products Manufacturing Technology I</i>	2 nd Sem	6
<i>Numerically controlled manufacturing systems</i>	2 nd Sem	4
<i>Technological Practice II</i>	2 nd Sem	3
<i>Thermal Treatments</i>	1 st Sem	3

<i>Management of Production Projects</i>	2 nd Sem	2
<i>Diploma Project</i>	2 nd Sem	10
<i>Unconventional Manufacturing Technologies</i>	1 st Sem	3
<i>Tehnological Devices I</i>	1 st Sem	4
<i>Products Manufacturing Technology II</i>	1 st Sem	5
<i>Products Manufacturing Technology II – project</i>	1 st Sem	3
<i>Tehnological Devices II</i>	2 nd Sem	4
<i>Manufacturing Devices II - project</i>	2 nd Sem	3
<i>Production Management</i>	1 st Sem	4
<i>Assembling Technologies</i>	1 st Sem	4
<i>Economical Analysis</i>	2 nd Sem	2
<i>Computer Aided Manufacturing (CAM)</i>	1 st Sem	4
<i>Technology of Non-metallic Parts</i>	2 nd Sem	4
<i>Managerial Comunication</i>	2 nd Sem	2
<i>Technological Practice IV</i>	2 nd Sem	3
<i>Sports I, II</i>	1 st Sem, 2 nd Sem	1,1
<i>Sports III,IV</i>	1 st Sem, 2 nd Sem	1,1

ROAD VEHICLES, Bachelor Degree

<i>Subject</i>	<i>Semester</i>	<i>Number of ECTS credits</i>
<i>Linear Algebra, Analytical and Differential Geometry</i>	1 st Sem	4
<i>Chemistry</i>	1 st Sem	3
<i>Physics</i>	1 st Sem	5
<i>Descriptive Geometry</i>	1 st Sem	5
<i>Materials Science and Engineering</i>	1 st Sem	5
<i>Fundamentals Economy</i>	2 nd Sem	2
<i>Foreign Language I, II-english</i>	1 st Sem, 2 nd Sem	3
<i>Mathematical Analysis</i>	1 st Sem, 2 nd Sem	3
<i>Numerical Methods</i>	2 nd Sem	3
<i>Computers Programming and Programming Languages</i>	2 nd Sem	3
<i>Tehcnical Drawing</i>	2 nd Sem	4
<i>Tehnology of Materials</i>	2 nd Sem	5
<i>Mechanics I</i>	2 nd Sem	4
<i>Tehnological Practice I</i>	2 nd Sem	3
<i>Specials Mathematics</i>	1 st Sem	3
<i>AutoCAD</i>	1 st Sem	4
<i>Mechanics II</i>	1 st Sem	4
<i>Resistance of the Materials</i>	1 st Sem	5
<i>Electrotehnics and Electrical Machines</i>	1 st Sem	3
<i>Fluid Mechanics, Hydraulic and Pneumatic Equipments</i>	1 st Sem	4
<i>Dimensional Control and Tehcnical Mesurements</i>	1 st Sem	4
<i>Foreign Language III,IV- english</i>	1 st Sem, 2 nd Sem	3,2
<i>Mechanisms</i>	2 nd Sem	4
<i>Mechanism – project</i>	2 nd Sem	2
<i>Mechanical Vibrations</i>	2 nd Sem	3
<i>Thermotehnics and Thermal Equipments</i>	2 nd Sem	5
<i>Fundamentals to Automotives Techniques</i>	2 nd Sem	3
<i>Tehnological Practice II</i>	2 nd Sem	3
<i>General Elements of Law</i>	2 nd Sem	2
<i>AutoCAD II</i>	2 nd Sem	2
<i>Resistance of the Materials II</i>	2 nd Sem	4
<i>Electronics and Fundamentals of Automated Systems</i>	1 st Sem	5
<i>Machine Parts</i>	1 st Sem	6
<i>Machine Parts – project</i>	1 st Sem	2

<i>Fundamentals of Computer Aided Design</i>	1 st Sem	4
<i>Finite Element Method</i>	1 st Sem	4
<i>Processes and Characteristics of Engines for Automotives</i>	1 st Sem	5
<i>Automotives Dynamics</i>	1 st Sem, 2 nd Sem	4,3
<i>Design and Calculation of IC Engines for Automotives</i>	2 nd Sem	4
<i>Engine for automotive – project</i>	2 nd Sem	2
<i>Design and Calculation of Automotives I</i>	2 nd Sem	5
<i>Electric and Electronic Equipment for Automotives</i>	2 nd Sem	5
<i>Automotives Dynamics – project</i>	2 nd Sem	2
<i>Automotives Reliability</i>	2 nd Sem	3
<i>Manufacturing and Reparation of Automotive</i>	2 nd Sem	3
<i>Technological Practice III</i>	2 nd Sem	3
<i>Design and Calculation of Automotives II</i>	1 st Sem	5
<i>Design and Calculation of Automotives II –project</i>	1 st Sem	2
<i>Manufacturing and Reparation of Automotives II</i>	1 st Sem	5
<i>Manufacturing and Reparation of Automotive - project</i>	1 st Sem	2
<i>Automotive Testing and Homologation</i>	1 st Sem	3
<i>Automotive Efficiency and Environment Protection</i>	1 st Sem	4
<i>Automatic Transmission</i>	1 st Sem	3
<i>Automotive’s Noise and Vibrations Control and Reduction</i>	1 st Sem	3
<i>Automotive Mechatronics</i>	1 st Sem	3
<i>Road Traffic and Traffic Safety</i>	1 st Sem	3
<i>Quality Management</i>	1 st Sem	3
<i>Unconventional Technologies and Materials for Automotives</i>	1 st Sem	3
<i>Enterprise Management</i>	2 nd Sem	3
<i>Marketing</i>	2 nd Sem	2
<i>Automotive Diagnosys</i>	2 nd Sem	3
<i>Computer Aided Design(CATIA)</i>	2 nd Sem	3
<i>Technological Practice IV</i>	2 nd Sem	2
<i>Unconventional Propulsion Systems</i>	2 nd Sem	4
<i>Automotive Bodies and Structural Analisys</i>	2 nd Sem	4
<i>Design and Calculation of Auxiliary Installation for Automotives</i>	2 nd Sem	4
<i>Design and Calculation of Auxiliary Installation for Automotives – project</i>	2 nd Sem	2
<i>Reconstruction of Automotives Accidents</i>	2 nd Sem	4
<i>Fuels, lubricants and Maintenance Materials for Automotives</i>	2 nd Sem	4
<i>Automotives Maintenance</i>	2 nd Sem	4
<i>Automotives Maintenance – project</i>	2 nd Sem	2
<i>Methodology of Bachelor Thesis</i>	2 nd Sem	3
<i>Sports I, II</i>	2 nd Sem	2
<i>Sports III,IV</i>	2 nd Sem	2

INDUSTRIAL ECONOMICS ENGINEERING, Bachelor degree

Subject	Semester	Number of ECTS credits
<i>Mathematical Analysis</i>	1 st Sem	5
<i>Linear Algebra, Analytical and Differential Geometry</i>	1 st Sem	4
<i>Descriptive Geometry</i>	1 st Sem	5
<i>Technical Drawing</i>	1 st Sem	4
<i>Materials Science and Engineering</i>	1 st Sem	5
<i>Physics</i>	1 st Sem	5
<i>Mechanics I</i>	2 nd Sem	4

Computers programming and programming languages	2 nd Sem	3
Chemistry	1 st Sem	3
General Economics	2 nd Sem	2
Foreign Language I, II	1 st Sem, 2 nd Sem	3,3
Technology of Materials	2 nd Sem	5
Mathematical Analysis	2 nd Sem	3
Technological Practice I	2 nd Sem	3
Numerical methods	2 nd Sem	3
Special mathematics	1 st Sem	3
Computer Graphics	1 st Sem	5
Mechanics II	1 st Sem	4
Enterprise Economy	1 st Sem	3
Foreign Language III, IV – optional	1 st Sem, 2 nd Sem	3,2
Resistance of Materials	1 st Sem	5
Plant Accounting	2 nd Sem	3
Plant Accounting - project	2 nd Sem	2
Thermotechnics and Thermal Equipments	2 nd Sem	3
Electrotehnics and Electrical Machines	1 st Sem	3
Machine Parts	2 nd Sem	3
Machine parts – project	2 nd Sem	2
Fluid Mechanics,Hydraulic and Pneumatic Equipments	1 st Sem	4
Electronics	2 nd Sem	3
Fundamentals of Computer Aided Design	2 nd Sem	3
Business Law	2 nd Sem	3
Technological Practice II	2 nd Sem	3
Manufacturing Procedures and Systems 1	2 nd Sem	3
Tolerances and Dimensional Control	1 st Sem	5
Operational Research	1 st Sem	4
Computer Aided Design	1 st Sem	5
Manufacturing Procedures and Systems 2	1 st Sem	4
Products Design	1 st Sem	3
Products Design - project	1 st Sem	2
Ergonomics – optional	1 st Sem	3
Economic Analysis	2 nd Sem	3
Employment legislation	2 nd Sem	3
Basic Management	2 nd Sem	3
Engineering and Management Systems of Production I	2 nd Sem	5
Products Manufacturing Technology I	2 nd Sem	5
Tehnological Devices	2 nd Sem	4
Quality Management	2 nd Sem	4
Enterprise Finances	1 st Sem	4
Technological Practice III	2 nd Sem	3
Human Resources Management	1 st Sem	3
Management of Production Projects	2 nd Sem	3
Management of Production Projects-project	2 nd Sem	3
Industrial Logistics	1 st Sem	4
Strategic Management	1 st Sem	3
Products Manufacturing Technology II	1 st Sem	5
Products Manufacturing Technology II – project	1 st Sem	3
Technological Dispositives - project	1 st Sem	3
Engineering and Management Systems of Production 2	1 st Sem	5
Diploma Project	2 nd Sem	10
Management and production Computer Aided Design	2 nd Sem	3
Computer Aided Manufacturing (CAM)	1 st Sem	4
Commercial Law	2 nd Sem	2
Marketing	2 nd Sem	3
Managerial Communication	2 nd Sem	3

<i>Technological Practice IV</i>	2 nd Sem	3
<i>Sports I, II</i>	1 st Sem, 2 nd Sem	1,1
<i>Sports III,IV</i>	1 st Sem, 2 nd Sem	1,1

ROAD TRAFFIC AND TRANSPORT ENGINEERING, Bachelor degree

Subject	Semester	Number of ECTS credits
<i>Linear Algebra , Analytical and Differential Geometry</i>	1 st Sem	3
<i>Mathematical analysis 1</i>	1 st Sem	5
<i>Chemistry</i>	1 st Sem	3
<i>Physics</i>	1 st Sem	5
<i>Descriptive Geometry</i>	1 st Sem	4
<i>Materials Science and Engineering</i>	1 st Sem	5
<i>Foreign Language I,- English</i>	1 st Sem	3
<i>Mathematical analysis 2</i>	2 nd Sem	3
<i>Numerical Methods</i>	2 nd Sem	3
<i>Computers Programming and Programming Languages</i>	2 nd Sem	3
<i>Technical Drawing</i>	2 nd Sem	5
<i>Technology of Materials</i>	2 nd Sem	5
<i>Mechanics I</i>	2 nd Sem	4
<i>General Economics</i>	2 nd Sem	3
<i>Technological Practice I</i>	2 nd Sem	3
<i>Foreign Language II- English</i>	2 nd Sem	3
<i>Numerical Methods</i>	1 st Sem	3
<i>Infographics</i>	1 st Sem	4
<i>Mechanics II</i>	1 st Sem	5
<i>Resistance of the Materials</i>	1 st Sem	4
<i>Electrotehnics and Electric machines</i>	1 st Sem	3
<i>Fluid Mechanics, Hydraulic and Pneumatic Equipments</i>	1 st Sem	5
<i>Tolerances and Dimensional Control</i>	1 st Sem	3
<i>Foreign Language III-English</i>	1 st Sem	3
<i>Road Traffic Code and Street Traffic</i>	2 nd Sem	3
<i>Mechanisms</i>	2 nd Sem	4
<i>Mechanisms – project</i>	2 nd Sem	2
<i>Informatics for Transports</i>	2 nd Sem	4
<i>Transportation Law</i>	2 nd Sem	2
<i>Thermotechnics and Thermal Equipments</i>	2 nd Sem	5
<i>Mathematical Statistics</i>	2 nd Sem	2
<i>Introduction to Transport Technique</i>	2 nd Sem	3
<i>Tehnological Practice II</i>	2 nd Sem	3
<i>Foreign Language III-English</i>	2 nd Sem	2
<i>Machine Parts</i>	1 st Sem	5
<i>Machine Parts - project</i>	1 st Sem	2
<i>Road Telematics</i>	1 st Sem	3
<i>Road Traffic and Traffic Safety</i>	1 st Sem	4
<i>Transport Systems</i>	1 st Sem	4
<i>Termics Engines</i>	1 st Sem	4
<i>Automotive Dynamics</i>	1 st Sem	3
<i>Fundamentals of Automated Systems for Transports</i>	1 st Sem	3
<i>Handling and storage technologies in transport terminals</i>	2 nd Sem	4
<i>Handling and storage technologies in transport terminals- project</i>	2 nd Sem	2
<i>Transport Vehicles</i>	2 nd Sem	4
<i>Design and Calculation of Automotives</i>	2 nd Sem	5

<i>Electric and Electronic Equipment for Automotives</i>	2 nd Sem	5
<i>Road Vehicles - project</i>	2 nd Sem	2
<i>Systems for Controlling and Command DevicesTraffic</i>	2 nd Sem	4
<i>Modelling and planning of the transports</i>	2 nd Sem	3
<i>Tehnological Practice III</i>	2 nd Sem	3
<i>Technical Operation of Transport Vehicles</i>	1 st Sem	3
<i>Technical Operation of Transport Vehicles – project</i>	1 st Sem	3
<i>Automotive Reparation</i>	1 st Sem	4
<i>Public Transport</i>	1 st Sem	4
<i>Quality Management</i>	1 st Sem	3
<i>Economical Analysis of Transports</i>	1 st Sem	3
<i>Marketing for Transports</i>	1 st Sem	2
<i>Transport Flows</i>	1 st Sem	3
<i>Rail Transport - optional</i>	1 st Sem	3
<i>Special Transports - optional</i>	1 st Sem	3
<i>Ecology of Transports- optional</i>	1 st Sem	3
<i>Driving Comfort and Ergonomics in transports-optional</i>	1 st Sem	3
<i>Automotive Diagnosys</i>	2 nd Sem	4
<i>Management</i>	2 nd Sem	2
<i>Multimodal Transport</i>	2 nd Sem	5
<i>Multimodal Transport - project</i>	2 nd Sem	2
<i>Geography of transports</i>	2 nd Sem	4
<i>The methodology for diploma project design</i>	2 nd Sem	6
<i>Industrial Transport-optional</i>	2 nd Sem	3
<i>Unconventional Systems of Propulsion and Transport-optional</i>	2 nd Sem	3
<i>Reconstruction of Road Accidents-optional</i>	2 nd Sem	3
<i>Fuels, lubricants and Maintenance Materials for Automotives-optional</i>	2 nd Sem	3
<i>Sports I,II</i>	1 st Sem	2,2
<i>Sports III,IV</i>	1 st Sem	2,2