

STUDY PROGRAMME: Automobiles and Mobile Working Machines
Study branch: 2302 Transport Machines and Equipment

Degree of study: Bc (BSc)
Form of study: full-time
Method of study: attendance method

Course No.	Course	1st year		2nd year		3rd year		Mode of completion	Credits
		WS	SS	WS	SS	WS	SS		
Obligatory Courses									
282101	Mathematics I	4 – 400						c,e	10
230101	Fundamentals of Mechanical Engineering	3 – 200						c,e	7
241101	Engineering Chemistry	2 – 000						c,e	4
282104	Programming	1 – 020						cc	5
282102	Mathematics II	2 – 110						c,e	6
281120	Applied Physics I	2 – 020						c,e	6
250101	Material Science	2 – 020						c,e	6
210101	Engineering Mechanics I	2 – 200						c,e	6
281121	Applied Physics II			2 – 020				c,e	5
230203	Machine Parts			2 – 200				c,e	5
250202	Production Processes I			2 – 020				c,e	6
210203	Elasticity and Strength			3 – 200				c,e	6
283232	Law for Engineers			1 – 000				c	1
242202	Fluid Mechanics			3 – 200				e	6
260201	Thermodynamics			2 – 020				e	6
270305	Production Processes II			2 – 020				e	6
270301	Basics of Management			2 – 000				e	2
250297	Practice in Industry			(min.6 weeks)				c	2
210311	Transport Technology					2 – 200		e	5
230314	Noise and Vibration					2 – 200		e	5
230312	Combustion Engines					2 – 200		e	5
230313	CAX					2 – 020		e	5
270309	Integrated Management Systems					2 – 000		e	3
250399	Bachelor Work					0 – 014		e	18

Compulsory elective courses									
2831xx	PV 1: Professional Communication in Foreign Language (En, Ge, Fr, Sp)	0 – 200						cc	1
284191	PV 2: Physical Education	0 – 200						c	1
284192	PV 2: Health-Convalescence Physical Education	1 – 100						c	1

282205	PV 1: Constructive Geometry		2 – 200		c,e	5
282206	PV 1: Basics of Statistic Analysis		2 – 200		c,e	5
2832xx	PV 2: Professional Communication in Foreign Language (En, Ge, Fr, Sp)		0 – 200		cc	1
284193	PV 3: Physical Education		0 – 200		c	1
284194	PV 3: Health-Convalence Physical Education		1 – 100		c	1
2832xx	PV 2: Professional Communication in Foreign Language (En, Ge, Fr, Sp)		0 – 200		cc	1
284295	PV 2: Physical Education		0 – 200		c	1
284196	PV 2: Health-Convalence Physical Education		1 – 100		c	1
282203	PV 3: Numerical Mathematics		3 – 200		e	6
210202	PV 3: Engineering Mechanics II		3 – 200		e	6
220302	PV 1: Automation and Measurement			2 – 020	e	5
270304	PV 1: Production Machines and Systems			2 – 200	e	5
241303	PV 1: Process Engineering			2 – 200	e	5
220201	PV 1: Electrics and Electronics			2 – 020	e	5
260202	PV 1: Heat Transfer			2 – 020	e	5
230304	PV 1: Machine Design			2 – 020	e	5
2833xx	PV 2: Professional Communication in Foreign Language (En, Ge, Fr, Sp)			0 – 200	e	2
241315	PV 1: Road Motor Vehicles			3 – 200	e	6
270304	PV 1: Mobile Production Machines			3 – 200	e	6
230306	PV 2: Tribology			3 – 200	e	6
230308	PV 3: Simulations in TT			3 – 020	e	6

Elective courses						
282109	Additional Exercises in Mathematics I	0 – 200			c	1
281127	Seminar in Physics I	0 – 200			c	1
230102	Computer Aided Design I	0 – 040			c	2
284190	Physical Education	0 – 200			c	1
2831xx	Professional Communication in Foreign Language (En, Ge, Fr, Sp)	0 – 200			c	1
283130	History of Technology	2 – 000			cc	2
282110	Additional Exercises in Mathematics II	0 – 200			c	1
281127	Seminar in Physics II	0 – 200			c	1
230103	Computer Aided Design II	0 – 040			c	2
283131	Social Science	2 – 000			cc	2
282111	Selected Chapters from Applied Mathematical Analysis		2 – 000		c	2
282307	Mathematics III		2 – 000		c	2
282212	Differential Equations		2 – 000		c	2
241201	Safety of Production Equipment		2 – 000		c	2
284397	Physical Education			0 – 200	c	1
282309	Linear Algebra			2 – 000	c	2
282310	Numerical Mathematics in Matlab			2 – 000	c	2
241312	Wasteless Technologies BAT			2 – 000	c	2
2833xx	Professional Communication in Foreign Language (En, Ge, Fr, Sp)			0 – 200	c	1
284399	Physical Education			0 – 200	c	1

Comments:

Compulsory elective courses student writes as follow:

1st semester - 1 course PV 1 and 1 course PV 2

2nd semester - 1 course PV 1, 1 language (PV 2) and 1 course PV 3

3rd semester - 1 course PV 1, 1 language (PV 2) and 1 course PV 3

4th semester - 1 language (PV 1) and 1 course PV 2

5th semester - 1 course PV 1 and 1 language (PV 2)

Numbering of courses Foreign Language (2831xx):

1st semester: En – 40, Ge – 41, Fr – 42, Sp – 43

2nd semester: En – 45, Ge – 46, Fr – 47, Sp – 48

Numbering of courses Foreign Language (2832xx):

3rd semester: En – 50, Ge – 51, Fr – 52, Sp – 53

4th semester: En – 55, Ge – 56, Fr – 57, Sp – 58

Numbering of courses Foreign Language (2833xx):

5th semester: En – 60, Ge – 61, Fr – 62, Sp – 63

6th semester: En – 65, Ge – 66, Fr – 67, Sp – 68

WS - Winter semester

WS - Summer semester

cc - Classified credit

c - Credit

e - Exam

En - English Language

Fr - French Language

Ge - German Language
Sp - Spanish Language