Course No.	Course	1st ye	1st year 2nd year		3rd yea	3rd year		Credits
		WS	SS	WS SS	S WS	SS	Mode of completion	S
	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
	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
	Engineering Mechanics I	2	2 – 200				c,e	6
281121	Applied Physics II			2 – 020			c,e	5
242202	Fluid Mechanics			3 – 200			c,e	6
250202	Production Processes I			2 – 020			c,e	6
210203	Elasticity and Strength			3 – 200			c,e	6
283232	Law for Engineers			1 – 000			С	1
230203	Machine Design I			2 – 20	0		c,e	5
260201	Thermodynamics			2 – 02	0		c,e	6
270305	Production Processes II			2 – 02	0		c,e	6
270301	Basics of Management			2 – 00	0		c,e	2
210297	Practice in Industry			(min.6 weeks	s)		С	2
210310	Fundamentals of Finite Elements Method				2 – 020		c,e	5
230307	Mechatronics				2 – 200		c,e	5
210306	Structure Strength Optimation				2 – 200		c,e	5
210309	Theory of Multibody Systems				2 – 200		c,e	5
270309	Integrated Management Systems				2 – 000		c,e	3
210308	Fundamentals of Machine Dynamics				3 – 200	_	c,e	6
210311	Simulation of Mechatronic Systems				3 – 200		c,e	6
210399	Bachelor Work				0 - 0014		c,e	18

	Compulsory elective courses				
	PV 1: Professional Communica-				
2831xx	tion in Foreign Language	0 – 200		CC	1
	(En, Ge, Fr, Sp)				
284191	PV 2: Physical Education	0 – 200		С	1
284192	PV 2: Health-Convalescence	1 – 100			1
204132	Physical Education	1 - 100		С	'

282203	PV 1: Numerical Mathematics		3 – 200		c,e	6
210202	PV 1: Engineering Mechanics II		3 – 200		c,e	6
2832xx	PV 2: Professional Communication in Foreign Language (En, Ge, Fr, Sp)		0 – 200		СС	1
284193	PV 3: Physical Education		0 – 200		С	1
284194	PV 3: Health-Convalescence Physical Education		1 – 100		С	1
2832xx	PV 2: Professional Communication in Foreign Language (En, Ge, Fr, Sp)		0 – 200		СС	1
284295	PV 2: Physical Education		0 – 200		С	1
284196	PV 2: Health-Convalescence Physical Education		1 – 100		С	1
282205	PV 3: Conctructive Geometry		2 – 200		c,e	5
282206	PV 3: Basics of Statistic Analysis		2 – 200		c,e	5
220302	PV 1: Automation and Measurement			2 – 020	c,e	5
270304	PV 1: Production Machines and Systems			2 – 200	c,e	5
241303	PV 1: Process Engineering			2 – 200	c,e	5
	PV 1: Electrics and Electronics	-		2 – 020	c,e	5
	PV 1: Heat Transfer			2 – 020	c,e	5
230304	PV 1: Machine Design II			2 – 020	c,e	5
2833xx	PV 2: Professional Communication in Foreign Language (En, Ge, Fr, Sp)			0 – 200	CC	2

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

## Comments:

Compulsory elective courses student registers as follows:

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

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, and 1 course PV 3

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 SS - Summer semester

cc - Classified credit

c - Credit

e - Exam

En - English Language Fr - French Language

- German Language - Spanish Language Ge

Sp