

Name	Form of assessment					Credits	Total academic hours						Year 1		Year 2		Year 3		Assigned department	
	Examination	Pass/fail exam	Pass/fail test with a grade	Term project	Course work		Fact	As scheduled	Work with a teacher	Class-room	Self-study	Control	Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6	Code	Name
													Credits	Credits	Credits	Credits	Credits	Credits		
Unit 1. Disciplines (modules)						90	3240	956	806	1765.8	472.5	21	28	26	31					
Core part						47	1692	530	246	899.1	236.25	14	7	20	6					
Self-management and strong leadership	1					3	108	38	30	34	33.75	3						52	Department of Management	
Business and scientific communication in a foreign language		1				2	72	26	24	45.85	2							45	Department of Foreign Languages	
Project management in machine building		1				3	108	32	24	75.85	3							51	Department of Economics and Finance	
Production manipulators, robots and automatic lines	1				1	6	216	58	48	119	33.75	6						32	Department of Production equipment engineering	
Calculation and design of parts and assemblies of engineering products	2					5	180	62	60	82	33.75		5					32	Department of Production equipment engineering	
Computer technologies in machine building	3	2				6	216	72	60	107.85	33.75		2	4				32	Department of Production equipment engineering	
Intellectual systems of numeric control		3				3	108	32	24	75.85					3			32	Department of Production equipment engineering	
Basics of scientific research and professional education in machine building	3					4	144	32	24	76	33.75				4			32	Department of Production equipment engineering	
Metallographic analysis methods in machine building		3				2	72	38	36	33.85				2				32	Department of Production equipment engineering	
Numerical methods for strength calculations of mechanical engineering products	3			3		5	180	56	54	84	33.75				5			32	Department of Production equipment engineering	
Methods for optimizing design solutions	4				4	6	216	52	44	125	33.75					6		32	Department of Production equipment engineering	
Thermophysical fundamentals of the production of mechanical engineering products		3				2	72	32	24	39.85				2				32	Department of Production equipment engineering	
Part, formed by the educational process participants						43	1548	458	560	834.55	236.25	4	14	3	22					
Basics of flexible manufacturing systems	1					4	144	32	24	76	33.75	4						32	Department of Production equipment engineering	
Technology of advanced structural materials		2				3	108	28	26	79.85			3					32	Department of Production equipment engineering	
Gas-hydrodynamic processes in the production of engineering products	2				2	6	216	66	56	111	33.75		6					32	Department of Production equipment engineering	
Automated design and production of parts based on advanced physical methods	2					5	180	66	56	78	33.75			5				32	Department of Production equipment engineering	
Laser technologies and equipment for active control of engineering products		3				3	108	36	34	71.85					3			32	Department of Production equipment engineering	
Elective modules	4444		4			22	792	230	182	417.85	135					22				
Module of AO "OKB "Fakel"	4444		4			22	792	230	182	417.85	135					22				
Special technologies of welding and soldering	4					4	144	38	28	70	33.75							81	AO "OKB"FAKEL"	
Special material science	4					5	180	52	42	92	33.75							81	AO "OKB"FAKEL"	
Plating coatings			4			4	144	46	36	97.85								81	AO "OKB"FAKEL"	
Machining processes optimization	4					5	180	52	42	92	33.75							81	AO "OKB"FAKEL"	
Technologies for testing special products	4					4	144	42	34	66	33.75							81	AO "OKB"FAKEL"	
Module of OAO "Baltkran"	4444		4			22	792	230	182	417.85	135					22				
Design of operation techniques	4					4	144	38	28	70	33.75							82	OAO "Baltkran"	
Engineering products assembly procedures	4					5	180	52	42	92	33.75							82	OAO "Baltkran"	
Cast products manufacturing technologies			4			4	144	46	36	97.85								82	OAO "Baltkran"	
Machining processes optimization	4					5	180	52	42	92	33.75							82	OAO "Baltkran"	
Technologies for testing large-sized products	4					4	144	42	34	66	33.75							82	OAO "Baltkran"	
Module of OOO "Kaliningradgazavtomatika"	4444		4			22	792	230	182	417.85	135					22				
Design of operation techniques	4					4	144	38	28	70	33.75							83	Kaliningradgazavtomatika	
Engineering products assembly procedures	4					5	180	52	42	92	33.75							83	Kaliningradgazavtomatika	
Theory of assembly chains and methods for achieving assembly accuracy			4			4	144	46	36	97.85								83	Kaliningradgazavtomatika	
Machining processes optimization	4					5	180	52	42	92	33.75							83	Kaliningradgazavtomatika	
Modern technologies of electrical engineering	4					4	144	42	34	66	33.75							83	Kaliningradgazavtomatika	
Module of AO "Kvarts"	4444		4			22	792	230	182	417.85	135					22				
Design of operation techniques	4					4	144	38	28	70	33.75							84	AO "Kvarts"	
Engineering products assembly procedures	4					5	180	52	42	92	33.75							84	AO "Kvarts"	
Plating coatings			4			4	144	46	36	97.85								84	AO "Kvarts"	
Machining processes optimization	4					5	180	52	42	92	33.75							84	AO "Kvarts"	
Cast products manufacturing technologies	4					4	144	42	34	66	33.75							84	AO "Kvarts"	
Unit 2. Practical training						21	756					3	3	3	3	9				
Core part						21	756					3	3	3	3	9				
Academic training								134			9	324			3		3			
Research practice								134		9	324			3		3		32	Department of Production equipment engineering	
On-the-job training								25		12	432						9			
Production practice								25		12	432						9	32	Department of Production equipment engineering	
Pre-graduation practice								5		9	324						9	32	Department of Production equipment engineering	
Unit 3. State final examination						9	324										9			
Implementation, preparation for the defense procedure and defense of the final qualification work						9	324				324						9	32	Department of Production equipment engineering	
Extracurricular disciplines						4	144	20	20	123.7			4							
Spoken foreign language (English)			2			2	72	10	10	61.85			2							
Spoken foreign language (German)			2			2	72	10	10	61.85			2							