

Curriculum

Bachelor Degree: 230200 — Information Systems			
Curriculum			
Index	Course	Total hours	Contact hours
HUM.	Humanities	1800	1159
HUM.F.00	Federal component	1260	879
HUM.F.01	Foreign language	340	156
HUM.F.02	Physical training	408	405
HUM.F.03	Russian history	130	84
HUM.F.08	The Russian language and culture of speaking	122	84
HUM.F.10	Philosophy	130	72
HUM.F.11	Economy	130	78
HUM.R.00	Regional component	270	144
HUM.R.02	History and culture of Siberian folks	75	36
HUM.R.03	Psychology and Pedagogy	120	72
HUM.E.00	Elective courses	270	136
SC	Science	1898	1134
SC.F.00	Federal component	1598	990
SC.F.01	Mathematics	782	489
SC.F.01.1	Algebra and Geometry	102	72
SC.F.01.2	Discrete mathematics	156	72
SC.F.01.3	Mathematical logics and theory of algorithms	85	54
SC.F.01.4	Computer mathematics	102	72
SC.F.01.5	Mathematical analysis	252	156
SC.F.01.6	Probability and statistics	85	63
SC.F.02	Computer science	272	144
SC.F.03	Physics	408	261
SC.F.04	Chemistry	68	54
SC.F.05	Ecology	68	42
SC.R.00	Regional component	151	72
SC.R.01	Elementary mathematics	151	72
SC.E.00	Elective courses	149	72
GEN	General courses	2040	1219
GEN.F.00	Federal component	1632	999
GEN.F.01	Electromechanics and electronics	170	108
GEN.F.02	Metrology and standardization	68	54
GEN.F.03	Life security	136	52
GEN.F.04	Information technologies	170	96
GEN.F.05	Theory of information systems	170	84
GEN.F.06	Data management	136	90
GEN.F.07	Information networks	136	72
GEN.F.08	Fundamentals of management	68	54
GEN.F.09	Modeling	119	56
GEN.F.10	Computer structure	102	84
GEN.F.11	Operating systems	102	84

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GEN.F12	Programming	102	72
GEN.F13	Computer geometry and graphics	85	54
GEN.F.14	Collecting knowledge in information systems	68	39
GEN.R.00	Regional component	204	112
GEN.R.01	Computational geometry	68	52
GEN.R.02	IT based presentations	68	21
GEN.R.03	Latent variables	68	39
GEN.E.00	Elective courses	204	108
GEN.E.01	Operations research/Operations optimizations	204	108
MJ	Major	1076	548
MJ.01	Object oriented programming	140	63
MJ.02	Visual Basic applications	60	42
MJ.03	Algorithms and data base	250	126
MJ.04	System administration	80	39
MJ.05	Logical programming.	80	26
MJ.06	Web sites-programming	90	28
MJ..07	Translation from high level languages	164	90
MJ.E.00	Elective courses	212	134
MJ.E.01	Web-programming	112	56
MJ.E.02	Didactics in informathics	100	78
OPN.00	Electives	450	448
	Total	7264	4508