

Curriculum for the Bachelor's Degree in BA 60721500 - Geodesy and Geoinformatics

1 semester	2 semester	3 semester	4 semester	5 semester	6 semester	7 semester	8 semester
Math1M16- Mathematics 2 lec., 3 prac. 6 ECTS	Phys2M26- Physics 2 lec., 1 prac., 1 lab. 6 ECTS	Math3M36- Mathematics 2 lec., 3 prac. 6 ECTS	MatResM46 - Strength of Materials 1 lec., 2 prac. 2 lab 6 ECTS	HighGeo1M5 6-Higher geodesy 2 lec., 3 prac. 6 ECTS	HighGeo2M66- Higher geodesy 2 lec., 3 prac. 6 ECTS	GeoinSAM76 - Geoinformatics and spatial analysis 2 lec., 3 prac. 6 ECTS	MZF2M86- Remote sensing and photogram metry 2 lec., 3 prac. 6 ECTS
Phys1M16- Physics 2 lec., 3 prac. 6 ECTS	Math2M26- Mathematics 2 lec., 4 prac. 6 ECTS	Phys3M36- Physics 1 lec., 2 prac. 2 lab. 6 ECTS	HeatEngineer M44- Thermal engineering 1 lec., 1 prac. 1 lab. 4 ECTS	ABSM56- Architecture of buildings and structures 2 lec., 3 prac. 6 ECTS	MPGM2M66- Mathematical processing of geodetic measurements 2 lec., 3 prac. 6 ECTS	GKICHRQTIB UI1M76- Planning, organization, management and economics of production in geodesy and cartography 2 lec., 3 prac. 6 ECTS	CG2M84- Construction geodesy 2 lec., 2 prac. 4 ECTS
ICG1M14- Engineering and computer graphics 1 lec., 2 prac. 4 ECTS	ICG2M24- Engineering and computer graphics 2 lec., 2 prac. 4 ECTS	ElectrM36 - Electrotechnics 2 lec., 2 prac. 2 lab 6 ECTS	MS and PQMM44- Metrology, standardization and product quality management 2 lec., 1 prac. 1 lab. 4 ECTS	KARM54- Cartography 2 lec., 2 prac. 4 ECTS	QP2M66- Qualification Internship 6 ECTS	MZF1M76- Remote sensing and photogrammetry 2 lec., 2 prac. 6 ECTS	GKICHRQTIB UI2M84- Planning, organization , management and economics of production in geodesy and cartography 2 lec., 2 prac. 4 ECTS
GChemM16 - General chemistry 1 lec., 2 prac. 2 lab. 6 ECTS	ITM25 - Information technology 2 lec., 2 prac. 2 lab. 5 ECTS	ThMM34 - Theoretical mechanics 2 lec., 2 prac. 4 ECTS	QP1M46- Qualification Internship 6 ECTS	MPGM1M56- Mathematical processing of geodetic measurements 2 lec., 3 prac. 6 ECTS	GAM64- Geodetic astronomy/ RKAM64- Fundamentals of digital cartography/ RFM64- Digital photogrammetry 2 lec., 2 prac. 4 ECTS	CG1M74- Construction geodesy 2 lec., 2 prac. 4 ECTS	QP3M84 - Qualification Internship 4 ECTS

FLEM18- English / FLGM18- Deutsch 0 lec., 6 prac. 8 ECTS	RLM24- Russian language/ ULM24- Uzbek language 2 lec., 2 prac. 4 ECTS	EHKAM34- Basics of Land Law and Cadastre 2 lec., 2 prac. 4 ECTS	PBPM46- Business Process Design/ EconM46- Economics/ BAM46 Business Analysis 2 lec., 2 prac. 6 ECTS	ADSCM54 - Automated Design Systems in the Cadastre Field/ SIPTM54- Space image processing technology/ ADSGCM54- Automated design systems in geodesy and cartography 2 lec., 2 prac. 4 ECTS	FSCM64 - Fundamentals of State Cadastre/ CEM64 - Benchmark Engineering (Benchmarking) / YGIM64-Large hydraulic structures 2 lec., 2 prac. 4 ECTS	GWCS1M74- Geodetic Works in Cadastre Services/ LCMM74- Land cadastre and monitoring/ LPD1M74- Land Management Design 2 lec., 2 prac. 4 ECTS	FWM84 - Final State Examination /FWM84- Graduation Qualification Thesis 4 ECTS
	PhylM25 Philosophy 2 lec., 2 prac. 5 ECTS	Geod1M34 Geodesy / MZMQITM3 4- Remote Sensing Data Processing Technology/ LRFGCDTM3 4- Legal and Regulatory Foundations of the Land Cadastre Sector Documents 2 lec., 2 prac. 4 ECTS	ApplGeogM44 - Applied Geography/ AKM44-Atlas Cartography/ Geod2M44- Geodesy** 2 lec., 2 prac. 4 ECTS	GCBM54 - Basics of Land Cadastre/ MGIM54- Modern Geodetic Instruments / GILTM54- Geodetic Instrumenta tion and Laser Technologie s 2 lec., 2 prac. 4 ECTS	KLTM64 - Map Design and Compilation **/ SECM64-Socio- economic cartography/ DFGRM64- Design and Documentation of Geodetic Results 2 lec., 2 prac. 4 ECTS	CSM74 - Cadastre of Settlements/ STM74- Satellite Technologies / SGM74 - Satellite Geodesy 2 lec., 2 prac. 4 ECTS	GWCS2M84 Geodetic Works in Cadastre Services / FMWM84- Basics of Surveying / LPD2M84- Land Management Design 2 lec., 2 prac. 4 ECTS
							RECM84- Real estate cadastre/ CCM84- Urban cadastre/ GSDCM84- Geodetic Monitoring Works During Construction 2 lec., 2 prac. 4 ECTS
6 lec. + 16 prac. + 2 lab. = 25h./week	12 lec. +14 prac. + 3 lab.= 28 h./week	11 lec. + 13 prac. + 4 lab. = 28 h./week	8 lec. + 8 prac. + 4 lab.= 20 h./week	12 lec. + 15 prac.= 27 h./week	12 lec. + 15 prac.= 27 h./week	12 lec. + 14 prac.= 26 h./week	12 lec. + 15 prac. = 27 h./week

5 exam	6 exam	6 exam	6 exam 1 course work 1 practic report	6 exam	6 exam 2 course works 1 practic report	6 exam	5 exam 3 course projects 1 practic report State attestation
30 ECTS	30 ECTS	30 ECTS	30 ECTS	30 ECTS	30 ECTS	30 ECTS	30 ECTS
Total							
Component by selection 8 ECTS (26.67%)	Component by selection 0 ECTS (0%)	Component by selection 4 ECTS (13.33%)	Component by selection 10 ECTS (33.3 %)	Component by selection 8 ECTS (26.67%)	Component by selection 12 ECTS (40%)	Component by selection 8 ECTS (26.67%)	Component by selection 8 ECTS (26.67%)