

Field of study: Civil Engineering
Specialization: GENERAL CONSTRUCTION ENGINEERING
degree of Master of Science (MSc)

Semester I							
Module name	hours per semester						ECTS
	L	C	LC	SW	P	S	
Foreign language (elective)		30					2
Basics of theory of elasticity and plasticity	15	15					3
Monolithic construction	15				15		3
Mechanics of engineering structures (E)	30				30		5
Prestressed concrete structures (E)	30				30		5
Complex metal structures	15				30		4
Geoengineering (E)	15			15	15		4
Road infrastructure	15				30		4
Semester II							
Module name	hours per semester						ECTS
	L	C	LC	SW	P	S	
Applied mathematics	30	30					4
Advanced construction technology and management	30				30		5
Special foundations	15				15		3
Numerical methods / Technology of road materials and pavements (elective)	30		0/30	30/0			4
Elective course from the field of venture management (HES): Construction investment process management / Real estate development management (elective)	30	15					4
Concrete engineering structures / Bridges (elective)	30				30		5
Protection against dampness and corrosion / Thermal diagnostics and thermomodernization (elective)	30		30/0		0/30		5
Semester III							
Module name	hours per semester						ECTS
	L	C	LC	SW	P	S	
Work experience placement (elective)							2
Advanced computer-aided design of building structures	15				30		4
Elective course HES (elective)	30						2
MSc seminar (elective)						30	2
MSc thesis (elective)							20