

MSc program in Construction Information Technology Engineering

English Name		Code	Credit	Lecture	Seminar	Laboratory	Consultation	Day	M/E****	Semester****
Core Subjects										
	Numerical Methods	BMEEOAFMB51	4			2			E	1
	Construction Information Technology Mathematics	BMETE90MX__63	3	2					E	1
	Building Information Modelling	BMEEOFTMB51	3	2					M	1
	Decision Support Methods	BMEEPEKMB51	2	2					M	1
	Construction Information Technology Engineering Project	BMEEODHMB5P	6				2		M	1
	BIM Modelling and Design	BMEEOFTMB52	5			4			E	2
	Civil Engineering Automation, Modelling	BMEEOHSMB51	5	1	2				E	2
	Construction Information Technology Programming	BMEVIAUM__B51	6	1	4				M	2
	Complex Construction IT project	BMEEODHMB5K	6				2		M	2
	Argumentation, Negotiation, Presentation	BMEGT41M__B51	3	2					M	3
	Technology Assessment	BMEGT41M__B52	2	2					M	3
***	Diploma Project	BMEEODHMB-D	20				1		M	3
Obligatory and recommended Elective Subjects										
	1 st Obligatory Elective Subject*		8	2	4				E	1
	2 nd Obligatory Elective Subject*		4	1	2				M	1
	1 st Recommended Elective Subject*		4	2	1				M	2
	2 nd Recommended Elective Subject*		4	2	1				M	2
	Optional subjects	BMEEO	5						M	3

*Students with a BSc degree in Civil Engineering or Architecture (Student Group I.)

Obligatory Elective Subjects (at least 12 credits to complete)										
	Programming	BMEVIEEM__B-1	8	2	4				E	1
	Database Systems	BMEEOFTMB-1	4	1	2				M	1
Recommended Elective Subjects (at least 8 credits to complete)										
	Structural Dynamics	BMEEOTMMN-1	4	2	1				M	2
	Stability of Structures	BMEEOHSMT-2	4	2	1				E	2
	FEM for Engineers	BMEEOTMMB-2	4	1	2				M	2
	Numerical Methods in Geotechnics	BMEEOGMMB61	4	1		1			M	2
	Automated Survey Systems	BMEEOAFMB61	4	1	2				M	2
	Electrical Systems in Buildings	BMEVIVEM__B61	4	2					E	2
	HVAC Basics	BMEGEÉEM__B61	4	2					M	2

*Students with a BSc degree in Mechanical Engineering/ Energy Engineering/ Mechatronics Engineering/ Electrical Engineering/ Computer Science (Student Group II.)

Obligatory Elective Subjects (at least 12 credits to complete)										
	Building Constructions	BMEEOEMMB-1	8	2	4				M	1
	Finite Element Modelling	BMEEOTMMB-1	4	1	2				E	1
Recommended Elective Subjects (at least 8 credits to complete)										
	Construction Management	BMEEPEKMB61	4	2	1				M	2
	Civil Engineering Structures and Modelling	BMEEOHSMB61	4	2	1				M	2
	Constructions of Buildings and Structures	BMEEOEMMB61	4	2	1				M	2
	Modelling of Hydrosystems	BMEEOVVMV-1	4	2	1				M	2
	Electrical Systems in Buildings	BMEVIVEM__B61	4	2					M	2
	HVAC Basics	BMEGEÉEM__B61	4	2					M	2

Optional Subjects

**	Optional subject - internship (at company)	BMEEODHMV02	5					20	M	3
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*The committee of the MSc program divides the students into groups according to their previous BSc studies in order to unify the output competences that are acquired with the completion of the master's program

**Any subject from other MSc programs of the University can be chosen.

***Taking the Diploma project subject is only possible if the student accomplished 33 credits from the mutual Core Subjects, 12 credits from the subjects of their own Student Group and at least 51 credits as a sum of the above mentioned two types of subjects.

**** The listed numbers of the semesters present the suggested schedule according to the curriculum.

*****Midterm grade/ Exam