

UNIVERSITY "ECONOMICS ACADEMY" BRCKO DISTRICT OF BOSNIA AND HERZEGOVINA
FACULTY OF TECHNICAL SCIENCES
FIRST CYCLE - UNDERGRADUATE ACADEMIC STUDIES
Bachelor of Science in Civil Engineering– 240 ECTS
CURRICULUM:

No.	Course Code	Course Title	Sem.	T	Status	Hours of Active Teaching			ECTS
						P	V	KV	
FIRST YEAR									
1.	G01	Informatics	1		M	2	3		7
2.	G02	Descriptive Geometry	1		M	2	3		7
3.	G03	English Language 1	1		M	2	1		5
4.	G04	Mathematics 1	1		M	2	2		6
5.	G05	Elective 1	1		E	2	1		5
		Technical Physics							
		Traditional Architectural Constructions							
Total:						10	10		30
6.	G06	Mathematics 2	2		M	2	3		7
7.	G07	English Language 2	2		M	2	3		7
8.	G08	Constructions	2		M	2	1		5
9.	G09	Geodesy	2		M	2	2		6
10.	G10	Elective 2	2		E	2	1		5
		Regional Buildings Development							
		Introduction to Architectural and Urban Planning and Spatial Planning							
Total:						10	10		30
Total Hours in the First Year of Undergraduate Academic Studies						300	300		60
SECOND YEAR									
1.	G11	Strength of Materials	3		M	2	3		7
2.	G12	Technical Mechanics	3		M	2	3		7
3.	G13	Statics	3		M	2	1		5
4.	G14	Application of Computers in Construction and Architecture	3		M	2	2		6
5.	G15	Elective 3	3		E	2	1		5
		Construction Materials							
		History of Architecture and Art							
Total:						10	10		30
6.	G16	Urban Planning and Design	4		M	2	3		7
7.	G17	Fluid Mechanics	4		M	2	3		7
8.	G18	Construction 1	4		M	2	1		5
9.	G19	Fundamentals of building	4		M	2	2		6

		Design							
10.	G20	<i>Elective 4</i>	4		E	2	1		5
		Concrete Technology							
		Color in Architecture							
Total:						10	10		30
Total Hours in the First Year of Undergraduate Academic Studies						300	300		60
THIRD YEAR									
1.	G21	Numerical Modeling in Civil Engineering	5		M	2	3		7
2.	G22	Operations research and Linear Programming	5		M	2	3		7
3.	G23	Underground Structures and Tunnels	5		M	2	1		5
4.	G24	Structural Engineering	5		M	2	2		6
5.	G25	<i>Elective 5</i>	5		E	2	1		5
		Fundamentals of Environmental Engineering							
		Protection and Revitalization of the Construction Heritage							
Total:						10	10		30
6.	G26	Funding 1	6		M	2	3		7
7.	G27	Construction 2	6		M	2	3		7
8.	G28	Organization of Construction 1	6		M	2	2		5
9.	G29	Construction Materials 2	6		M	2	1		6
10.	G30	<i>Elective 6</i>	6		E	2	1		5
		Soil Mechanics and Foundation							
		Digital Methods and Technologies							
Total:						10	10		30
Total Hours in the Third Year of Undergraduate Academic Studies						300	300		60
FOURTH YEAR									
1.	G31	Elements of High-rise Construction	7		M	2	3		7
2.	G32	Hydraulic Buildings	7		M	2	3		7
3.	G33	Hydraulics	7		M	2	1		5
4.	G34	Hydropower	7		M	2	2		6
5.	G35	<i>Elective 7</i>	7		E	2	1		5
		Communal Hydrotechnics							
		Rehabilitation and Reconstruction of Buildings							
Total:						10	10		30
6.	G36	Professional Practice	8		M				20
7.	G37	<i>Final Paper</i>	8		M		20		10
Ukupno časova:						0	20		30

Total Hours in the Fourth Year of Undergraduate Academic Studies	150	450		60
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A student who defends their final paper after passing all the courses provided by the curriculum for eight semesters, receives the title of engineer of academic studies - Bachelor with honors based on selected elective courses on the selected module - 240 ECTS.