

BACHELOR PROGRAM IN CIVIL ENGINEERING

No	Code	Subject	Number of credit
A		GENERAL EDUCATION	38
I		General	20
1		Basic principles of Marsism-Leninism 1	2
2		Basic principles of Marsism-Leninism2	3
3		Ho Chi Minh Ideology	2
4		Revolutionairy strategies of Vietnam Communist Party	3
5		Basic Informatics	3
6		English 1	3
7		English 2	4
8		Physical education 1–Athletics	2
9		Physical education 2	2
10		Physical education 3	2
11		Military education and training – Security 1 - Party’s military strategies and military	3
12		Military education and training – Security 2 - Military tactics and techniques	3
II		Science Social Sciences and Humanitie	4
II.1		Core Courses	2
13		Fundamentals of Law	2
II.2		Elective Courses	2
14		Fundamentals of State Administration	2
15		General Logics	2
16		Principles of Management	2
17		Communication Skills	2
18		Practice for Vietnamese Texts	2
III.		Natural science and Mathematics	14
III.1		Core Courses	11
19		Linear Algebra	3
20		Mathematical Analysis	4
21		General Physics A	4
III.2		Elective Courses	3
22		Optimizing	3
23		Probability theory and mathematical statistics	3
B		SPECIALIZED EDUCATION	92
I		Basic Knowledge	38
I.1		Core Courses	34
24		Theoretical Mechanics	3

25		Strength of Materials	3
26		Descriptive Geometry – Engineering Drawing	3
27		Electrical Engineering	2
28		engineering drawing	2
29		Geology Engineering	2
30		Mechanics of structure 1	3
31		Mechanics of structure 1	2
32		Soil mechanics	3
33		Geomatics engineering	3
34		Building materials	3
35		Architecture	3
36		Construction machine	2
I.2		Elective Courses	4
37		Urban planning	2
38		Water supply and sanitation	2
39		Computer-aided design	2
40		Business Management	2
41		Construction law	2
42		Practical computing	2
II.		Specialized Knowledge	54
II.1		Core Courses	40
43		Foundation Engineering	3
44		Project of structural foundation	1
45		Reinforced Concrete structure 1	3
46		Reinforced Concrete structure 2	3
47		Project of reinforced concrete structure 1	1
48		Project of reinforced concrete structure 2	1
49		Steel structure 1	3
50		Steel structure 2	3
51		Project of steel structure	1
52		Construction engineering	4
53		Project of construction engineering	1
54		Construction Planning and Management	3
55		Constructional economics	2
56		Skyscraper	3
57		Building cost estimation	2
58		Construction worker practicum	3
59		Intergrated construction practicum	3
II.2		Elective Courses	4

60		Consolidation method of foundation	2
61		Occupational Safety	2
62		Reinforced Concrete structure 3	2
63		Steel structure 3	2
64		Dynamics of structures	2
65		Numerical Methods in Structural Mechanics	2
		Final Thesis	10