

Civil and Environmental Engineering (4years/ 240 ECTS, Bachelor of Science)

Table 2: Course Distribution Per Semester

A/A	Course Type	Course Code & Name	Periods per week	Period duration	Number of weeks/ Academic semester	Total periods/ Academic semester	Number of ECTS
1st Semester							
1	R	COMP-111 Programming Principles I	4	50'	13	52	6
2	R	CEE-101 Introduction to Civil & Environmental Engineering	2	50'	13	26	4
3	R	CEE-151 Building Construction Principles	3	50'	13	39	5
4	R	CHEM-121 Environmental Chemistry	4	50'	13	52	5
5	R	MATH-190 Calculus I	4	50'	13	52	8
2nd Semester							
6	R	CEE-112 Technical Drawing & CAD	3	50'	13	39	5
7	R	CEE-152 Construction Materials	4	50'	13	52	7
8	R	MATH-191 Calculus II	4	50'	13	52	8
9	R	PHYS-140 General Physics	5	50'	13	65	6
10	R	GEOL-121 Engineering Geology	3	50'	13	39	5
3rd Semester							
11	R	BADM-332 Technical Writing & Research	3	50'	13	39	6
12	R	ENGR-280 Probability & Statistics for Engineers	3	50'	13	39	6
13	R	MATH-330 Ordinary Differential Equations	3	50'	13	39	6
14	R	MATH-280 Linear Algebra I	3	50'	13	39	6
15	R	MENG-250 Engineering Mechanics: Statics	3	50'	13	39	6

A/A	Course Type	Course Code & Name	Periods per week	Period duration	Number of weeks/ Academic semester	Total periods/ Academic semester	Number of ECTS
4th Semester							
16	R	CEE-220 Structural Analysis I	3	50'	13	39	5
17	R	CEE-280 Engineering Surveying	4	50'	13	52	7
18	R	MENG-280 Fluid Mechanics	3	50'	13	39	6
19	R	CEE-250 Construction Management	3	50'	13	39	5
20	R	MENG-270 Strength of Materials	3	50'	13	39	6
5th Semester							
21	R	CEE-260 Principles of Environmental Engineering	3	50'	13	39	5
22	R	CEE-320 Structural Analysis II	3	50'	13	39	5
23	R	CEE-330 Soil Mechanics	4	50'	13	52	7
24	R	CEE-461 Environmental Impact Assessment	3	50'	13	39	5
25	R	CEE-351 Reinforced Concrete I	3	50'	13	39	5
26	R	CEE-371 Road and Highway Engineering	3	50'	13	39	5
6th Semester							
27	R	CEE-321 Structural Dynamics	3	50'	13	39	6
28	R	CEE-352 Steel Structures I	3	50'	13	39	6
29	R	CEE-353 Reinforced Concrete II	3	50'	13	39	5
30	R	CEE-422 Computer-Aided Structural Analysis and Design	3	50'	13	39	5
31	R	ENGR-290 Numerical Methods using MATLAB	3	50'	13	39	6

A/A	Course Type	Course Code & Name	Periods per week	Period duration	Number of weeks/ Academic semester	Total periods/ Academic semester	Number of ECTS
7th Semester							
32	R	CEE-441 Hydraulics	4	50'	13	52	7
33	R	CEE-442 Wastewater Treatment	3	50'	13	39	5
34	R	CEE-491 Capstone Design Project I	1	50'	13	13	4
35	R	CEE-454 Earthquake Engineering	3	50'	13	39	5
36	E	- Major Elective	3	50'	13	39	5
37	E	- Major Elective	3	50'	13	39	5
8th Semester							
38	R	CEE-431 Foundations and Retaining Structure Design	3	50'	13	39	5
39	R	CEE-492 Capstone Design Project II	1	50'	13	13	6
40	E	- Major Elective	3	50'	13	39	5
41	E	- Major Elective	3	50'	13	39	5
42	E	- Major Elective	3	50'	13	39	5
43	E	- Major Elective	3	50'	13	39	5

R=Requirement, E=Elective