

B.TECH CIVIL ENGG COURSE CURRICULUM AS PER AICTE

**Semester Wise Breakup of Courses for Lateral Entry Admitted to Second Year B.
Tech. Civil Engineering 2022 Batch**

First Semester:			
Sl No.	Course No. and Name	Prerequisite	Credit Hours
			(L-T-P)
1	TEC-227 Basic Electronics Engineering	Nil	4(3-0-2) 5
2	TCE-205 Computer -aided Civil Engineering Drawing	Nil	2(1-0-2) 3
3	TCE-206 Engineering Mechanics	Nil	4(3-1-0) 4
4	BPM-241 Transform, Discrete Mathematics and Complex Variables-Integration	Nil	3(2-1-0) 3
5	BHS-286 Effective Technical Communication	Nil	3(3-0-0) 3
6	TCE-207 Engineering Geology	Nil	2(2-0-0) 2
7	TCE-213 Surveying	Nil	3(2-0-3) 5
8	NSS/NCC-201	Nil	0(0-0-4) 4
9	TWP-101 Work Programme	Nil	1(0-0-3)3
		Total	22 32

Second Semester:			
Sl No.	Course No. and Name	Prerequisite	Credit Hours
			(L-T-P)
1	TME-209 Mechanical Engineering	Nil	3(2-1-0) 3
2	TCE-208 Disaster Preparedness & Planning	Nil	2(2-0-0) 2
3	TCE-209 Introduction to Fluid Mechanics	Nil	4(2-1-2)5
4	TCE-212 Introduction to Solid Mechanics	Nil	4(3-0-2) 5
5	TCE-216 Advanced Surveying & Geomatics	Nil	4(3-0-2) 5
6	TCE-214 Materials, Testing & Evaluation	Nil	3(2-0-2) 4
7	TCE-215 Civil Engineering - Societal & Global Impact	Nil	2(2-0-0) 2
8	NSS/NCC-202	Nil	1(0-0-4)4

9	TCE-291 Practical Training-II	Nil	2 weeks
		Total	23 30
Third Semester:			
Sl No.	Course No. and Name	Prerequisite	Credit Hours
			(L-T-P)
1	TCE-301 Theory of Structures	Nil	3(3-0-0) 3
2	TCE-302 Hydraulic Engineering	Nil	4(3-0-2) 5
3	TCE-303 Structural Engineering	Nil	3(3-0-0) 3
4	TCE304 Geotechnical Engineering-I	Nil	4(3-0-2) 5
5	TCE-306 Environmental Engineering	Nil	4(3-0-2) 5
6	TCE-307 Transportation Engineering	Nil	4(3-0-2) 5
7	BHS-100 Constitution of India	Nil	1(1-0-0)1
8	NSS/NCC-301	Nil	0(0-0-4)4
		Total	23 31

Fourth Semester:			
Sl No.	Course No. and Name	Prerequisite	Credit Hours
			(L-T-P)
1	TCE-308 Construction Engineering & Management	Nil	3(3-0-0) 3
2	TCE-309 Hydrology & Water Resources Engineering	Nil	3(3-0-0) 3
3	Elective-I	Nil	3(3-0-0) 3
4	Elective-II	Nil	3(3-0-0) 3
5	Open Elective-I	Nil	3(3-0-0) 3
6	Elective-III	Nil	3(3-0-0) 3
7	Elective-IV	Nil	3(3-0-0) 3
8	NSS/NCC-302	Nil	1(0-0-4)4
9	TCE-391 Practical Training - III	Nil	4 weeks
		Total	22 25

Fifth Semester:			
Sl No.	Course No. and Name	Prerequisite	Credit Hours
			(L-T-P)
1	TCE-401 Engineering Economics, Estimation & Costing	Nil	3(2-0-2) 4
2	Elective-V	Nil	3(3-0-0) 3
3	Elective-VI	Nil	3(3-0-0) 3
4	Open Elective-II	Nil	3(3-0-0) 3
5	TCE-495A Project-I	Nil	4(0-0-8)8
6	TIP-454 Principles of Management	Nil	2(2-0-0) 2

		Total	18	23
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Sixth Semester:				
Sl No.	Course No. and Name	Prerequisite	Credit Hours	
			(L-T-P)	
1	Elective-VII	Nil	3(2-0-0)	3
2	Elective-VIII	Nil	3(2-0-0)	3
3	Open Elective-III	Nil	3(3-0-0)	3
4	Open Elective-IV	Nil	3(3-0-0)	3
5	TCE-495B Project-II	Nil	8(0-0-16)	16
6	BHS-401 Values and Ethics for Engineers	Nil	2(2-0-0)	2
7	TCE-491 Seminar	Nil	1(0-0-2)	2
		Total	23	32

Total number of credits for graduation requirement = 131

Note:

1. Those students who had not taken Hindi at High School or equivalent level are essentially required to clear the course BHS-173, Elementary Hindi.
2. The student can take open elective from any departments of the University