

B. Tech Civil Engineering Curriculum

Course Category	Course No.	Course Title	Contact Hours			Credit	Prerequisites
			L	T	P		
Science Core Courses-28 Credits	MA 101	Mathematics-I	3	1	0	4	None
	MA 102	Mathematics-II	3	1	0	4	None
	MA 201	Mathematics-III	3	0	0	3	None
	MA 203	Scientific Computing	3	0	0	3	None
	MA 210	Mathematics Laboratory	0	0	4	2	CS 101, MA 101, MA 102
	PH 101	Engineering Physics	3	1	2	5	None
	CH 101	Engineering Chemistry	3	1	2	5	None
	ES 101	Environmental Science	2	0	0	2	None
Science Elective Courses-3 Credits	BT 201	Elements of Modern Biology	3	0	0	3	None
	PH 201	Physics of Materials	3	0	0	3	None
	CH 102	Introduction to Material Science	3	0	0	3	None
	Any other subject offered by Science departments and recommended by Course Advisor						
Engineering Sc. Core Courses- 21 Credits	CE 101	Engineering Drawing	1	0	4	3	None
	EE 101	Basic Electrical Engineering	3	0	2	4	None
	EC 101	Basic Electronics	3	0	2	4	EE 101
	ME 101	Engineering Mechanics	3	0	0	3	None
	ME 102	Engineering Thermodynamics	2	0	0	2	None
	CS 101	Computer Programming	2	0	2	3	None
	ME 103	Workshop Practice-I	0	0	4	2	None
Discipline Core Course-58 Credits	CE201	Solid Mechanics	3	0	0	3	ME 101
	CE202	Surveying	3	0	0	3	None
	CE203	Civil Engineering Materials	2	0	0	2	None
	CE204	Environmental Engineering - I	3	0	0	3	ES101
	CE205	Structural Analysis - I	3	0	0	3	ME 101
	CE206	Geotechnical Engineering - I	3	0	0	3	None
	CE207	Environmental Engineering - II	3	0	0	3	CE204
	CE208	Structural Analysis - II	3	0	0	3	CE205
	CE209	Fluid Mechanics	3	0	0	3	None
	CE211	Surveying Lab	0	0	4	2	CE202
	CE212	Civil Engineering Materials- Lab	0	0	2	1	CE203
	CE213	Environmental Engineering Lab	0	0	2	1	CE204
	CE214	Geotechnical Engineering Lab- I	0	0	2	1	CE206
	CE215	Fluid Mechanic lab	0	0	2	1	CE209
	CE301	Reinforced Concrete Design	3	1	0	4	CE205, CE208
	CE302	Geotechnical Engineering - II	3	0	0	3	CE206

Open Elective-20 Credits	Any course of appropriate level offered in the Institute and recommended by the Course Advisor						
Project Works 12 Credits	CE 401	Major Project - I	0	0	8	4	100 or more credits earned
	CE 402	Major Project - II	0	0	16	8	120 or more credits earned
HSS Core Course-11 Credits	HS 101	English Language Skills	2	0	2	3	None
	HS 301	Foundations of Management	3	0	0	3	None
	HS 302	Accounting & Financial Methods	3	0	0	3	HS 301
	HS 401	Professional Ethics	2	0	0	2	HS 301
HSS Elective Course-3 Credits	HS 402	Introduction to Economics	3	0	0	3	None
	HS 403	Introduction to Sociology	3	0	0	3	None
	HS 404	Introduction to Psychology	3	0	0	3	None
	HS 405	Introduction to Behavioral Sc.	3	0	0	3	None