

B. Tech Civil Engineering Curriculum
Batch 2016 onward

Course Category	Course No.	Course Title	Contact Hours			Credit	Prerequisites
			L	T	P		
Science Core Courses (SC)	MA 101	Mathematics-I	3	1	0	4	None
	MA 102	Mathematics-II	3	1	0	4	None
	PH 101	Engineering Physics	3	1	0	4	None
	CH 101	Engineering Chemistry	3	1	0	4	None
	ES 101	Environmental Science	2	0	0	2	None
	PH 151	Engineering Physics Laboratory	0	0	2	1	None
	CH 151	Engineering Chemistry Laboratory	0	0	2	1	None
	MA 201	Mathematics-III	3	0	0	3	CS101
	MA 203	Scientific Computing	3	0	0	3	None
	MA 210	Mathematics Laboratory	0	0	4	2	CS101, MA101, MA102
Science Elective Courses (SE)	BT 201	Elements of Modern Biology	3	0	0	3	None
	PH 201	Physics of Materials	3	0	0	3	None
	CH 201	Introduction to Material Science	3	0	0	3	None
		Any other subject offered by Sc. departments and recommended by the Course Adviser.					
Engineering Sc. Core Courses (ESC)	CE 101	Engineering Drawing	1	0	0	1	None
	EE 101	Basic Electrical Engineering	3	0	0	3	None
	EC 101	Basic Electronics	3	0	0	3	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	1	0	3	None
	ME 103	Workshop Practice-I	0	0	4	2	None
	EE 151	Basic Electrical Engineering Laboratory	0	0	2	1	None
	EC 151	Basic Electronics Laboratory	0	0	2	1	EE 151
	CS 151	Computer Programming Laboratory	0	0	2	1	None
	CE 151	Engineering Drawing laboratory	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

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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	0	2	None
	HS 301	Foundations of Management	3	0	0	3	None
	HS 302	Accounting and Financial Methods	3	0	0	3	HS 301
	HS 401	Professional Ethics	2	0	0	2	HS 301
	HS 151	English language skills laboratory	0	0	2	1	None
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