

BIRLA INSTITUTE OF TECHNOLOGY- MESRA, RANCHI
REVISED COURSE STRUCTURE - To be effective from academic session 2021-22
Based on CBCS & OBE Model
Recommended scheme of study for M.Tech Environmental Science & Engineering

SEMESTER / Session of Study (Recommended)	Course Level	Category of Course	Course Code	Courses	Mode of delivery & credits <i>L-Lecture; T-Tutorial;P-Practicals</i>			Total Credits <i>C- Credits</i>
					L <i>(Periods/week)</i>	T <i>(Periods/week)</i>	P <i>(Periods/week)</i>	C
				THEORY				
FIRST / Monsoon	Fifth	Programme Core (PC)	CE527	Ecology and Environment	3	0	0	3
			CE528	Environmental Chemistry and Microbiology	3	0	0	3
			CE529	Water Supply Engineering	3	0	0	3
			CE537	Environmental Impact Assessment and Legislation	3	0	0	3
		Programme Elective (PE)		PE 1	3	0	0	3
				LABORATORIES				
		Fifth	Programme Core (PC)	CE530	Environmental Engineering Laboratory – I	0	0	4
			CE531	Ecology and Microbiology Lab	0	0	4	2
			TOTAL				19	

SECOND/ Spring	Fifth	Programme Core (PC)	CE532	Wastewater Engineering	3	0	0	3	
				Air Pollution and Control					
			CE533	Technology	3	0	0	3	
		CE534	Solid Waste Management	3	0	0	3		
	Programme Elective (PE)		PE II	3	0	0	3		
			PE III	3	0	0	3		
	LABORATORIES								
Fifth	Programme Core (PC)	CE535	Environmental Engineering		0	0	4	2	
			Laboratory – II						
		CE536	Design of Water and Wastewater		0	0	4	2	
			System						
TOTAL								19	
THIRD / Monsoon	Sixth	Programme Core (PC)	CE539	Thesis (Part I)				8	
			Open Elective (OE)	OE I / MOOC		3	0	0	3
				OE II / MOOC		3	0	0	3
	TOTAL								14
FOURTH/ Spring	Sixth	Programme Core (PC)	CE540	Thesis (Part II)				16	
			TOTAL						
GRAND TOTAL FOR M.TECH PROGRAMME (38 + 30)								68	