

## B. Tech CIVIL ROAD MAP of 2020 – 2024

1-1	MA101BS Mathematics – I	PH103BS Engineering Physics	CS103ES Programming for Problem Solving	ME104ES Engineering Graphics	PH106BS Engineering Physics Lab	CS106ES Programming for Problem Solving Lab	MC107ES Environmental Science	MC108 Business English			
1-2	MA201BS Mathematics – II	CH202BS Engineering Chemistry	ME203ES Engineering Mechanics	ME205ES Engineering Workshop	EN205HS English	CH206BS Engineering Chemistry Lab	EN207HS English Language & Communication Skills Lab	MC209 Python Programming	MC210 Aptitude & Reasoning		
2-1	CE301PC Surveying & Geomatics	CE302PC Engineering Geology	CE303PC Strength of Materials - I	MA304BS Probability & Statistics	CE305PC Fluid Mechanics	CE306PC Surveying Laboratory	CE307PC Strength of Materials Lab	CE308PC Engineering Geology Lab	MC309 Constitution of India		
2-2	EE401ES Principles of Electrical and Electronics Engineering	CE402ES Basic Mechanical Engineering for Civil Engineers	CE403PC Building Materials, Construction and Planning	CE404PC Strength of Materials - II	CE405PC Hydraulics and Hydraulics Machinery	CE406PC Structural Analysis - I	CE407PC Computer Aided Civil Engineering Drawing	EE409ES Principles of Electrical and Electronics Engineering Lab	CE409PC Hydraulics and Hydraulics Machinery Lab	MC409 Gender Sensitization Lab	
3-1	CE501PC Structural Analysis - II	CE505PC Geotechnical Engineering	CE503PC Structural Engineering – I (RCC)	CE504PC Transportation Engineering	CE511PE Concrete Technology (PE-I)	SM505MS Engineering Economics and Accountancy	CE506PC Highway Engineering and Concrete Technology Lab	CE507PC Geotechnical Engineering Lab	EN508HS Advanced English Communication Skills Lab	MC509 Intellectual Property Rights	MC510 Cyber Security
3-2	CE601PC Hydrology and Water Resources Engineering	CE602PC Environmental Engineering	CE603PC Foundation Engineering	CE604PC Structural Engineering – II (Steel Structures)	CE611PE Prestressed Concrete (PE-II)	CS601OE Fundamentals of Management For Engineers (OE-I)	CE605PC Environmental Engineering Lab	CE606PC Computer Aided Design Lab	MC609 Environmental Science	MC602 Artificial Intelligence	
4-1	CE701PC Estimation, Costing and Project Management	CE711PE Remote Sensing & GIS (PE-III)	CE721PE Irrigation and Hydraulic Structures (PE-IV)	CS700OE Data Structures (OE-II)	SM701MS Professional Practice law & Ethics	CE703PC Industry Oriented Mini Project/Summer Internship	CE704PC Seminar	CE705PC Project Stage - I			
4-2	CE813PE Air pollution (PE-V)	CE821PE Airports, Railways and Waterways (PE-VI)	ME800OE Non-Conventional Sources of Energy	CE801PC Project Stage – II							