

B. Tech CIVIL ROAD MAP of 2023 – 2027

1-1	MA101BS Matrices and Calculus	PH102BS Applied Physics	CS103ES C Programming and Data structures	ME104ES Engineering Workshop	EN105HS English for Skill Enhancement	CE106ES Fundamentals of Civil Engineering	PH107BS Applied Physics Lab	CS108ES C Programming and Data structures Lab	EN109HS English Language & Communication Skills Lab	MC110 Environmental Science
1-2	MA201BS Ordinary Differential Equations and Vector Calculus	CH202BS Engineering Chemistry	ME203ES Computer Aided Engineering Graphics	CE204ES Applied Mechanics	CE205PC Surveying	CS206ES Python Programming Lab	CH207BS Engineering Chemistry Lab	CE208PC Surveying Laboratory - I		
2-1	MA304BS Probability and Statistics	CE302PC Building Materials, Construction and Planning	CE303PC Engineering Geology	CE304PC Strength of Materials - I	CE305PC Fluid Mechanics	CE306PC Surveying Laboratory - II	CE307PC Strength of Materials Lab	CE308PC Computer Aided Drafting Lab	MC309 Constitution of India	
2-2	EE401ES Elements of Electrical and Electronics Engineering	CE402PC Concrete Technology	CE403PC Strength of Materials - II	CE404PC Hydraulics and Hydraulics Machinery	CE405PC Structural Analysis - I	CE406PC Hydraulics and Hydraulics Machinery Lab	EE407ES Elements of Electrical and Electronics Engineering Lab	CE408PC Engineering Geology & Concrete Technology Lab	CE409PC Research/Field Based Project	MC410 Gender Sensitization Lab
3-1	CE501PC Structural Analysis - II	CE502PC Geotechnical Engineering	CE503PC Structural Engineering – I (RCC)	CE505PC Transportation Engineering	CE506PC Hydrology and Water Resources Engineering	SM504MS Business Economics and Financial Analysis	CE507PC Transportation Engineering Lab	CE508PC Geotechnical Engineering lab	MC509 Intellectual Property Rights	
3-2	CE601PC Environmental Engineering	CE602PC Foundation Engineering	CE603PC Structural Engineering – II (Steel Structures)	Geomatic Applications in Civil Engineering (PE-I)	Disaster Preparedness & Planning Management (OE-I)	CE604PC Environmental Engineering Lab	CE605PC Computer Aided Design Lab	EN608HS Advanced English Communication Skills Lab	CE607PC Industry Oriented Mini Project/Internship	MC609 Environmental Science
4-1	CE701PC Quantity Survey & Valuation	CE702PC Project Management	Prestressed Concrete (PE-II)	Ground Improvement Techniques (PE-III)	Ground Water Hydrology (PE-IV)	Professional Practice, Law & Ethics (OE-II)	CE703PC Civil Engineering Software Laboratory	CE704PC Project Stage - I		
4-2	Air pollution (PE-V)	Airports, Railways and Waterways (PE-VI)	Environmental Pollution and Control	CE801PC Project Stage – II including Seminar						