

Birla Institute of Technology & Science Pilani, Rajasthan

M.E. Civil – Structural Engineering

Semester wise pattern for students admitted to Higher Degree program –
M.E. Civil – Structural Engineering :

Year	First Semester	Second Semester
I	Dynamics of Structures Advanced Structural Mechanics and Stability Advanced Structural Analysis Finite Element Analysis	Research Practice Earthquake Engineering Elective Elective
II	Elective Elective Elective Elective	Dissertation Or Practice School

Elective Courses Offered :

Matrix Method in civil engineering, Advanced Computational Techniques, Structural Optimization, Topics in Civil Engineering, Advanced Soil Mechanics, Advanced Composite Material for Structures, Theory of Plates and Shells, Advanced Structural Design, Computer Aided Analysis and Design, Advanced Steel Structures, Advanced Concrete Structures, Pre-stressed Concrete Structures, Bridge Engineering, Design of Multi Storey Structures, Advanced Foundation Engineering, Fluid Dynamics, Soil-Structure Interaction, Ground Improvement Techniques, Theory of elasticity and plasticity, Selected Topics in Soil Mechanics and geotechnical Engineering.