

B.Tech in Civil Engineering

I & II Semester (Common to all the branches)



Physics Cycle

- Engineering Mathematics –I
- Physics
- Communicative English
- Problem Solving Through Programming
- Engineering Graphics
- Physics Lab
- Problem Solving Through Programming Lab
- Communicative English Lab

Chemistry Cycle

- Engineering Mathematics – II
- Chemistry
- Basics of Electrical Engineering
- Workshop Practice
- Sociology and Elements of Indian History for Engineers
- Chemistry Lab
- Electrical Engineering Lab

III Semester



- Engineering Mathematics - III
- Economic for Engineers
- Fluid Mechanics
- Surveying Theory – I
- Strength of Materials
- Surveying Practice –I
- Basic materials Testing Lab

Mandatory Course

- Ecology Study

IV Semester



- Building construction and concrete Technology
- Soil Mechanics
- Applied Hydraulics Engineering
- Surveying Theory- II
- Structural Analysis – I
- Business Communication and Presentation skills
- Surveying Practice-II
- Construction Materials and Testing Lab

V Semester



- Geology
- Design of RCC Structure
- Hydrology
- Structural Analysis-II
- Foundation Engineering
- Transportation Engineering
- Hydraulics & Hydraulics M/C Lab
- Computer Aided Building Drawing

VI Semester



- Water Supply Engineering
- Design of Steel Structures
- Estimation and Costing
- Irrigation Engineering
- Elective I
- Elective II
- Extensive survey practice
- Soil Mechanics Lab

VII Semester



- Elective III
- Elective IV
- Elective V
- Elective VI
- Open Elective I
- Open Elective II
- Project work- Phase 1

VIII Semester



- Open Elective III
- Open Elective IV
- Internship / Project work –II (SEC)