

B.Tech Marine Engineering Syllabus

Semester I

- English
- Mathematics I
- Basic Thermodynamics
- Basic Electrical Engineering
- Engineering Mechanics I
- Workshop Technology
- Geometrical Drawing
- Electronics Laboratory
- Workshop Practicals
- Communicative English Lab

Semester II

- Seamanship & Navigation
- Mathematics II
- Applied Thermodynamics
- Strength of Material I
- Engineering Mechanics II
- Computer Science
- Machine Drawing
- Applied Mechanics Drawing
- Workshop Practicals II
- Computer Laboratory

Semester III

- Computational Mathematics
- Analog Electronics & Communications
- Applied Thermodynamics II
- Strength of Material II
- Mechanics of Machine I
- Electrical Machines I
- Marine Engineering Drawings
- Electronics Laboratory
- Heat and Chemical Laboratory
- Workshop Practicals III

Semester IV

- Marine Boilers
- Digital Electronics & PLC
- Mechanics of Machines II
- Fluid Mechanics
- Marine Heat Engines

- Applied Marine Control
- Boiler Chemical Laboratory
- Computer Microprocessor
- Control Engineering Lab
- Workshop Practicals IV

Semester V

- Material Science
- Ship Construction & Const.
- Marine Internal Combustion Engine
- Fluid Mechanics
- Marine Auxiliary Machines I
- Naval Architecture I
- Elementary Design and Drawing
- Material Science Laboratory
- Fluid Mechanics Laboratory
- Marine Power Plant Operation I

Semester VI

- Ship Fire Prevention and Control
- Marine Electrical Technology
- Marine Internal Combustion Engine II
- Marine Auxiliary Machines II
- Naval Architecture II
- Management Science
- Marine Steam Engineering
- Marine Power Plant II
- Electrical Machine Lab
- Fire Control & Life Saving Appliances Laboratory

Semester VII

- Ship Operation & Management
- Advanced Marine Control Engineering
- IMO – Maritime Conventions
- Advanced Marine Technology
- Engine Room Management
- Elective Subject
- Marine Machinery & System Design
- Simulator & Simulation Laboratory
- Technical Paper & Project

Semester VIII

- On Board Training
- Voyage / Training Report
- Project on Environment
- Viva-Voce