

Minor and Double Major Programmes in Electronics and Communication Engineering

The Department of Electronics and Communication Engineering (ECE) offers Minor and Double Major Programmes in accordance with the approved curriculum structure and the applicable Senate regulations.

1. Minor Programme

2025 Batch

For students of the **2025 Batch**, the Minor Programme shall consist of **12 credits**, as prescribed in the applicable Senate regulations.

2026 Batch and Subsequent Batches

For students of the **2026 Batch and subsequent batches**, the Minor Programme shall consist of **12 credits**, comprising core courses and departmental elective courses in accordance with the applicable Senate regulations.

The prescribed credit requirements shall be completed by selecting courses from the approved list of ECE courses, subject to course availability and the applicable academic regulations.

2. Double Major Programme

Effective from the 2026 Batch onwards, the Double Major Programme in Electronics and Communication Engineering shall consist of **30 credits**, comprising:

- **18 credits from core courses**
- **12 credits from departmental elective courses**

The programme shall be completed in accordance with the approved curriculum structure and the applicable Senate regulations.

3. Approved Courses

Students enrolled in the Minor or Double Major Programme may fulfil the prescribed core-course requirements by selecting courses from the following approved list, subject to the applicable regulations and availability of courses in the respective semester:

- 1 Electronic Devices and Circuits
- 2 Analog Electronics
- 3 Digital Logic Design
- 4 Signals and Systems
- 5 Microprocessors and Microcontrollers
- 6 Electromagnetics and Transmission Lines
- 7 Analog Communication and Random Processes
- 8 Digital Communications
- 9 Control Systems
- 10 Digital Signal Processing
- 11 Linear Integrated Circuits

Where departmental elective credits are required under the applicable departmental regulations, students may also earn such elective credits by selecting appropriate courses from the above list, subject to course availability and the applicable regulations.

4. Completion of Programme Requirements

Students shall complete all requirements of the Minor or Double Major Programme in accordance with the **approved curriculum structure and the applicable Senate regulations.**

Students are responsible for satisfying the prescribed credit requirements and other academic requirements applicable to the respective programme.

5. Conduct of Classes

No separate classes shall be conducted for the Minor or Double Major Programmes.

Students registered for these programmes shall attend the **regular classes conducted for B.Tech. ECE students** for the respective courses.

Course registration shall be subject to the availability of courses in the respective semester and the applicable academic and Senate regulations.

Important Note

The Minor Programme credit structure shall be governed by the **latest approved Senate regulations and curriculum.**
In case of any discrepancy, the approved Senate regulations shall prevail.