

EE6 - M.Tech. in ELECTRICAL ENGINEERING
STREAM: Integrated Circuits & Systems

Semester 1

| S.No | Course No | Course Name | L | T | E | P | O | C |
|------|-----------|----------------------------|---|---|---|---|---|-------------|
| 1 | EE5310 | Analog Electronic Circuits | 4 | 0 | 0 | 0 | 8 | 12 |
| 2 | EE5311 | Digital IC Design | 4 | 0 | 0 | 0 | 8 | 12 |
| 3 | | Elective Courses | | | | | | ** |
| | | Total | | | | | | 24** |

Semester 2

| S.No | Course No | Course Name | L | T | E | P | O | C |
|------|-----------|------------------|---|---|---|---|---|----|
| | | Elective Courses | | | | | | ** |

SUMMER

| S.No | Course No | Course Name | L | T | E | P | O | C |
|------|-----------|-------------|---|---|---|---|----|----|
| 1 | EE6901 | Project I | 0 | 0 | 0 | 0 | 25 | 25 |

Semester 3

| S.No | Course No | Course Name | L | T | E | P | O | C |
|------|-----------|-------------|---|---|---|---|----|----|
| 1 | EE6902 | Project II | 0 | 0 | 0 | 0 | 30 | 30 |

Semester 4

| S.No | Course No | Course Name | L | T | E | P | O | C |
|------|-----------|-------------|---|---|---|---|----|----|
| 1 | EE6903 | Project III | 0 | 0 | 0 | 0 | 30 | 30 |

| Semester | I | II | Summer | III | IV | Total |
|----------------|-------------|------------|-----------|-------------|-----------|------------|
| Credits | 24** | 0** | 25 | 30** | 30 | 190 |

** Only core credits are shown. In the EE6 curriculum, **81 credits of electives** have to be taken. Of these 81 credits, 48 credits of electives have to be taken from the specified basket of EE6 electives, and 24 credits can be taken from any course in Elec. Engg. (or equivalent) at the 5000 level or higher. All elective lab courses will also be eligible. All course credits should be finished in the first two semesters. EE6 students will be allowed to register only for project credits in the second year (including summer between second and third semesters).

The EE Department proposes to split the M.Tech project into two phases --- Project Phase-1 carrying 55-credits (to be carried out usually over the summer and the odd semester), and Project Phase-2 carrying 30-credits (to be carried out in the even semester).

Project Phase-1 is mandated for all students. On the other hand, Project Phase-2, which is the continuation of Phase-1, can be pursued only if it is approved by the evaluation committee.

At the end of Project Phase-1, the student should submit a report and make a presentation. The committee will then recommend whether or not the student is eligible to pursue Project Phase-2. If the student is not found eligible, additional course work has to be done so as to meet the total credit requirements for obtaining the M.Tech degree.