

| 1 Year MTech(Micro) Curriculum | | |
|--------------------------------|---|----------------|
| Semester 1 | Aug-Dec | |
| Course Code | Title | Credits |
| EE5107 | Semiconductor Physical Electronics | 2 |
| EE5117 | Microelectronic Device Physics | 1 |
| EE5127 | Analog IC Design | 2 |
| EE5128 | Analog IC Design Lab | 1 |
| EE5137 | Mixed Signal Circuit Design | 1 |
| EE5147 | Digital IC Design | 2 |
| EE5148 | Digital IC Design Lab | 1 |
| EE5157 | CMOS Processing and Wafer Technology | 1 |
| EE5167 | Embedded System Hardware and Design | 2 |
| EE5199 | Introduction to MEMS | 1 |
| EEXXXX | Elective | 1 |
| | Total Credits in Semester | 15 |
| | | |
| Semester 2 | Jan-Apr | |
| EE5168 | Embedded Systems: Hardware Languages | 1 |
| EE5158 | Advanced Digital IC Design | 2 |
| EE5149 | VLSI Technology | 2 |
| EE5129 | Advanced Analog IC Design | 1 |
| EE5159 | Microfabrication and Device Simulation laboratory | 2 |
| EE5138 | Chips to system Design Laboratory | 2 |
| EE7117 | More Than Moore Electronics | 2 |
| EEXXXX | Electives | 3 |
| | Total Credits in Semester | 15 |
| | | |
| Semester 3 | May-July | |
| EEXXXX | Electives | 6 |
| EEXXXX | Self Study | 3 |
| | Total Credits in Semester | 9 |
| | | |
| Total Mtech Credits | | 39 |