

3. MTech Curriculum (Power Electronics & Power Systems)

| Semester - 1 | | |
|--|---|----------------|
| Code | Course Title | Credits |
| EE5200 | Steady State Power System Analysis | 3 |
| EE5210 | Power Converter Design | 3 |
| EE5230 | Power System Dynamics and Control | 3 |
| EEXXXX | Elective - 1 | 3 |
| SSxxxx | English Communication (EC) | 1 |
| SS5901 | Industry Lectures (IL) | 1 |
| Total Credits | | 14 |
| Semester - 2 | | |
| EE5240 | Electrical Machine Analysis and Control | 3 |
| EE6201 | Power Systems Lab | 2 |
| EE6211 | Power Electronics Lab | 2 |
| EEXXXX | Elective - 2 | 3 |
| EEXXXX | Elective - 3 | 2 |
| Total Credits | | 12 |
| Semester - 3 | | |
| EE6901 | MTech Thesis Stage - 1 | 12 |
| Semester - 4 | | |
| EE6902 | MTech Thesis Stage - 2 | 12 |
| Total Credits | | 50 |
| Total Credits (Excluding EC and IL) | | 48 |

Summary

| Course Type | Credits |
|----------------------|----------------|
| Department Core | 12 |
| Department Electives | 8 |
| Labs | 4 |
| Soft skills | 2 |
| Thesis | 24 |
| Total | 50 |