Common Subjects	*Electronics Only*	*Computer Only*
1. Engineering Mathematics I	1. Control System	1. Applied Mechanics
2. Computer Programming	2. Advanced Electronics	2. Basic Electronics Engineering
3. Engineering Drawing I	3. Filter Design	3. Fundamental of Thermodynamics and Heat Transfer
4. Engineering Physics	4. Project Management	4. Engineering Drawing II
5. Basic Electrical Engineering	5. Propagation and Antenna	5. Theory of Computation
6. Engineering Mathematics II	6. Communication System	6. Data Communication
7. Object Oriented Programming	7. RF and Microwave Engineering	7. ICT Project Management
8. Engineering Chemistry	8. Wireless Communication Telecommunication	8. Distributed System
9. Electric Circuit Theory (and)*		9. Internet and Intranet
10. Electrical Machine*		10. Simulation and Modeling
11. Workshop Technology		
12. Microprocessor		
13. Engineering Mathematics III		
14. Electronics Devices and Circuits		
15. Electromagnetism		
16. Digital Logic		
17. Numerical Method		
18. Applied Mathematics		
19. Instrumentation I (and)**		
20. Instrumentation II **		
21. Data Structure and Algorithm		
22. Discrete Structure		
23. Communication English		
24. Probability and Statistics		
25. Computer Graphics		
26. Engineering Economics		
27. Database Management System		
28. Computer Networks and Security		
29. Computer Organization and Architecture		
30. Operating System		
31. Object Oriented Analysis & Design (and)***		
32. Software Engineering***		
33. Embedded System		
34. Minor Project		
35. Artificial Intelligence		
36. Organization and Management		
37. Digital Signal Analysis Processing		
38. Elective I		
39. Project (Part I)		
40. Engineering Professional Practice		
41. Energy Environment and Society		
42. Information System		
43. Elective II		
44. Elective III		
45. Project (Part B)		

[Note : */*, **/**, ***/***; these subjects are counted as single subject in BEI as they are combined in revised syllabus]