

Course Offering
Semester: Spring 2024
BS Electrical Engineering

| S.# | Code | Course Title | Status | Section | Hidden Sec. | Pre-Req. | Co-Req. | Semester | Remarks |
|-----|----------|--|-----------------------|---------|-------------|----------|----------|----------|---------|
| 1. | EEG1412 | Sociology | Humanities | 1 | 0 | Nil | Nil | 2 | |
| 2. | EEG1212 | Personal Grooming | Humanities | 1 | 0 | Nil | Nil | 2 | |
| 3. | MTEE1033 | Linear Algebra | Natural Sciences | 1 | 0 | EEG1513 | Nil | 2 | |
| 4. | MTEE1043 | Applied Differential Equations | Natural Sciences | 1 | 0 | EEG1513 | Nil | 2 | |
| 5. | CSEE1122 | Computer Programming | Comp. & Info Sciences | 1 | 0 | EEG1612 | CSEE1121 | 2 | |
| 6. | CSEE1121 | Computer Programming Lab | Comp. & Info Sciences | 1 | 0 | EEG1611 | CSEE1122 | 2 | |
| 7. | EE1213 | Linear Circuit Analysis | EE Foundation | 1 | 0 | EEG1312 | EE1211 | 2 | |
| 8. | EE1211 | Linear Circuit Analysis Lab | EE Foundation | 1 | 0 | EEG1311 | EE1213 | 2 | |
| 9. | EE1021 | Workshop Practice | EE Foundation | 1 | 0 | Nil | Nil | 2 | |
| 10. | EE3323 | Microprocessor & Computer Architecture | EE Foundation | 1 | 0 | EE2313 | EE3321 | 4 | |
| 11. | EE3321 | Microprocessor & Computer Arch. Lab | EE Foundation | 1 | 0 | EE2311 | EE3323 | 4 | |
| 12. | EE2413 | Probability and Random Variables | Natural Sciences | 1 | 0 | MTEE1013 | Nil | 4 | |
| 13. | EE2613 | Signals & Systems | EE Foundation | 1 | 0 | MTEE2053 | EE2611 | 4 | |

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| 14. | EE2611 | Signals & Systems Lab | EE Foundation | 1 | 0 | MTEE2053 | EE2613 | 4 | |
| 15. | EE2233 | Electronics Circuit Design | EE Core | 1 | 0 | EE2223 | EE2231 | 4 | |
| 16. | EE2231 | Electronics Circuit Design Lab | EE Core | 1 | 0 | EE 2221 | EE2233 | 4 | |
| 17. | MGTE4073 | Entrepreneurship | Management Elective | 1 | 0 | Nil | Nil | 4 | |
| 18. | EEG1012 | Islamic Studies / Ethics | Humanities | 1 | 0 | Nil | Nil | 6 | |
| 19. | EE4813 | Control Systems | Core | 1 | 0 | EE2613 | EE4811 | 6 | |
| 20. | EE4811 | Control Systems Lab | Core | 1 | 0 | EE2611 | EE4813 | 6 | |
| 21. | HMEE2033 | Technical Report Writing | English | 1 | 0 | Nil | Nil | 6 | |
| 22. | EE3123 | Power Generation, Transmission and Distribution | Core | 1 | 0 | EE2253 | EE3121 | 6 | |
| 23. | EE3121 | Power Generation, Transmission and Distribution Lab | Core | 2 | 1 | EE2251 | EE3123 | 6 | |
| 24. | EE3263 | Instrumentation and Measurements | Core | 1 | 0 | EE2233 | EE3261 | 6 | |
| 25. | EE3261 | Instrumentation and Measurements Lab | Core | 1 | 0 | EE2231 | EE3263 | 6 | |
| 26. | EE4912 | Design Project Part I | Core | 1 | 0 | 90 Cr. Hrs | Nil | 7 | |
| 27. | MGTE4073 | Entrepreneurship | Manag. Elective. | 1 | 0 | Nil | Nil | 8 | |
| 28. | EE4924 | Design Project Part-II | Core | 1 | 0 | EE4912 | Nil | 8 | |
| 29. | HMEE3063 | Sociology for Engineers | Humanities | 1 | 0 | Nil | Nil | 8 | |
| 30. | EE4293 | Power Electronics | Elective | 1 | 0 | EE2223 EE2253 | Nil | 8 | |
| 31. | EE4693 | Artificial Intelligence | Elective | 1 | 0 | EE2413 | EE4691 | 8 | |

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| 32. | EE4691 | Artificial Intelligence lab | Elective | 1 | 0 | EE2413 | EE4693 | 8 | |
| 33. | EE4000 | Internship | Core | 1 | 0 | 90 Cr. Hrs & with No Registration in Current Semester | Nil | 7 & 8 | |
| 34. | EE6313 | Advanced Computer Architecture | Core | 1 | 0 | Nil | Nil | Any | Shared with MS(CS) |
| 35. | EE5433 | Advanced Cryptography | Elective | 1 | 0 | Nil | Nil | Any | Shared with MS(CS) |
| 36. | EE6763 | Mobile and Wireless Networks | Elective | 1 | 0 | Nil | Nil | Any | Shared with MS(CS) |
| 37. | CS5823 | Applied Artificial Intelligence | Elective | 1 | 0 | Nil | Nil | Any | Shared with MS(CS) |