# BACHELOR OF ELECTRICAL ENGINEERING - ELE (134 CR)

**2023/2024**

| SEM 1 (18 CR) | SEM 2 (17 CR) | SEM 3 (16 CR) | SEM 4 (17 CR) | SEM 5 (17 CR) | SEM 6 (16 CR) | SEM 7 (18 CR) | SEM 8 (15 CR) |
|---|---|---|---|---|---|---|---|
| ENG 100 (3) Writing Seminar I | REL 103 (3) Intro to Religion | ENG 200 (3) Writing Seminar II | PHY 232 (3) Physics of Waves | SSC 200 (3) Social Science Integrated | Advanced Philosophy or Religion Elective (3) | Advanced Philosophy or Religion Elective (3) | Arts Elective (3) |
| PHL 103 (3) Intro to Philosophy | CMM 100 (3) Oral Communication | PHY 210L (1) Physics I Lab (or CHM 123L) | ECE 204 (3) Electronic Devices | ECE 303 (3) Signals and Systems | ECE 304 (3) Electronic Systems | TECH EL (3) | Advanced History Elective (3) |
| HST 103 (3) Global History | CPS 150 (4) Algorithms & Programming I | ECE 203 (1) Intro to Matlab Programming | ECE 204L (1) Electronic Devices Lab | ECE 303L (1) Signals and Systems Lab | ECE 304L (1) Electronic Systems Lab | ECE EL (3) | TECH EL (3) |
| PHY 206 (3) Physics I | CHM 123 (3) General Chemistry I | ECE 201 (3) Circuit Analysis (more than 30 credits only) | ECE 215 (3) Introduction to Digital Systems | ECE 314 (3) Funds of Computer Architecture | ECE 333 (3) Applied Electro-magnetics | ECE 401 (3) Communication Systems | ECE EL (3) |
| MTH 168 (4) Analytic Geom & Calculus I | MTH 169 (4) Analytic Geom & Calculus II | ECE 201L (1) Circuit Analysis Lab | ECE 215L (1) Digital Systems Labratory | ECE 314L (1) Funds of Comp Architect Lab | ECE 334 (3) Discrete Signals and Systems | ECE 401L (1) Communication Systems Lab | ECE 432L (3) Multidisciplinary Design II |
| EGR 103 (2) Engineering Innovation | | MTH 218 (4) Analytic Geom & Calculus III | ECE 205 (3) Introduction to Semiconductor Engineering | ECE 332 (3) Electro-magnetics | ECE 340 (3) Engineering Probability and Random Proc | ECE 415 (3) Control Systems | At least two: ECE 333, ECE 334, ECE 340, ECE 401, or ECE 415 |
| EGR 150 (0) Engineering Workshop I | | EGR 270 (3) Data Analytics Fundamentals | MTH 219 (3) Applied Differential Equations | MTH EL (3) MTH 301 (MTH 308, 404 or CPS 341) | ECE 300 (0) Professional Dev Seminar II | ECE 431L (2) Multidisciplinary Design I | |
| EGR 102 (0) Intro to Engr Seminar | ECE 101 (0) Intro to Elec & Comp Engr Seminar | EGR 200 (0) Professional Dev Seminar for Sophomores | | | | ECE 400 (0) Professional Dev Seminar for Seniors | |

or

Fall Only | Spring Only

Corequisite ----

Prerequisite —

Required Corequisite ═

EGR | ECE | CAP

Science | Math | CPS

CAP Requirements

IN - ECE 215

IQ - PHY 232

FT - _____

PEA - _____

DSJ - _____