جامعة بيروت العربية
BEIRUT ARAB UNIVERSITY

Department of Electrical and Computer Engineering

Communications and Electronics Engineering Program

Four-year Study Plan 2025-26

First Year

Fall Semester (17 credits)

- Linear Algebra — 3 cr. MATH281
- Calculus — 3 cr. MATH282
- Dynamics — 3 cr. MCHE213
- Electricity & Magnetism — 3 cr. PHYS281
- Introduction to Engineering — 2 cr. ENGR002
- Programming I — 3 cr. COMP208

Spring Semester (17 credits)

- Digital Systems I — 3 cr. COMP225
- Differential Equations — 3 cr. MATH283
- Classical Physics — 3 cr. PHYS280
- Programming for Engineers — 3 cr. COMP215
- Electric Circuits I — 3 cr. POWE212
- General English — 2 cr. ENGL001

Summer Semester I (9 credits)

- Principles of Chemistry — 3 cr. CHEM241
- Principles of Chemistry LAB — 1 cr. CHEM241L
- Arabic Language — 2 cr. ARAB001
- Advanced Writing — 2 cr. ENGL211
- Human Rights — 1 cr. BLAW001

Second Year

Fall Semester (16 credits)

- Introduction to Microcomputers — 3 cr. COMP321
- Electronic Circuits I — 3 cr. COME221
- Electric Circuits II — 3 cr. COME214
- Electric Circuits LAB — 1 cr. COME212L
- EM Fundamentals — 3 cr. POWE271
- Discrete Mathematics — 3 cr. MATH380

Spring Semester (18 credits)

- Probability & Statistics — 3 cr. MATH381
- Numerical Analysis — 3 cr. MATH284
- Fundamentals of AI — 3 cr. COME216
- Electronic Circuits II — 3 cr. COME222
- Electronic Circuits LAB — 1 cr. COME222L
- Engineering Economy — 3 cr. INME221
- Speech Communication — 2 cr. ENGL300

Summer Semester II (9 credits)

- Solid State Chemistry — 2 cr. CHEM405
- Engineering Ethics — 1 cr. ENGR001
- General Elective — 2 cr.
- Work Ready Now — 3 cr. WRNL200
- General Elective — 1 cr.

Third Year

Fall Semester (17 credits)

- Introduction to IoT — 3 cr. COME322
- Microprocessor Interfacing — 3 cr. COMP426
- Propagation & Antennas I — 4 cr. COME372
- Signals & Systems — 3 cr. COME381
- Telecommunication Networks LAB — 1 cr. COME484L
- Telecommunication Networks — 3 cr. COME484

Spring Semester (16 credits)

- Communication Theory & Systems I — 3 cr. COME380
- Research Methodology — 2 cr. ENGR500
- Propagation & Antennas II — 3 cr. COME473
- Propagation & Antennas LAB — 1 cr. COME473L
- Digital Signal Processing — 3 cr. COME384
- Cybersecurity Fundamentals — 3 cr. COME488
- Special topics in RF — 1 cr. COME475

Summer Semester III (1 credit)

- Internship — 1 cr. COME499

Fourth Year

Fall Semester (15 credits)

- Final Year Project I — 1 cr. COME501
- Communication Theory & Systems II — 3 cr. COME485
- Communications LAB — 1 cr. COME485L
- Wireless Communication Systems — 3 cr. COME592
- Wireless Communications LAB — 1 cr. COME592L
- Introduction to Electrical Power Systems — 3 cr. POWE425
- Technical Elective — 3 cr.

Spring Semester (15 credits)

- Final Year Project II — 3 cr. COME502
- Technical Elective — 3 cr.
- Technical Elective — 3 cr.
- Technical Elective — 3 cr.
- Optical Communications — 3 cr. COME576