

| Course Code | Course Title | Section | Prerequisite Course | Credit | Level Term | No. of Student |
|-------------|---|---------|---------------------|--------|----------------------|----------------|
| GED 101 | Bangladesh Studies | A | NIL | 2 | L1 T1 223 | |
| ICE 111 | Computer Fundamentals | A | NIL | 3 | | |
| MAT 101 | Mathematics I: Calculus and Ordinary Differential Equations | A | NIL | 3 | | |
| ICE113 | Structured Programming | A | ICE 111 | 3 | | |
| ICE114 | Structured Programming Laboratory | A1 | NIL | 1 | | |
| ENG 100 | Professional English I | A1 | NIL | 1 | | |
| PHY 102 | Physics Laboratory | A1 | NIL | 1 | | |
| PHY 101 | Physics: Modern Physics, Waves, Oscillations and Optics and Basic DC Theory | A | NIL | 2 | | |
| EEE 126 | Electrical Circuits Lab | A1 | NIL | 1 | L1 T2 221 | 37 |
| ICE 128 | Object Oriented Programming Lab | A1 | ICE 114 | 1 | | |
| ICE 127 | Object Oriented Programming | A | ICE 113 | 3 | | |
| MAT103 | Mathematics II: Complex variable, Linear Algebra and Matrices | A | MAT 101 | 3 | | |
| EEE 125 | Electrical Circuits | A | PHY 101 | 3 | | |
| ENG 102 | Professional English II | A1 | NIL | 1 | | |
| GED 102 | Art of Living and Engineering Ethics | A | NIL | 1 | | |
| HUM 101 | ICT Economics and Accounting | A | NIL | 3 | | |
| HUM 100 | Functional Bangla for Engineers | A | NIL | 1 | | |
| MAT 201 | Statistics | A | MAT 103 | 2 | L2 T1 213 | 10 |
| ICE 211 | Signals and Communication Systems | A | NIL | 3 | | |
| ICE 212 | Signals and Communication Systems Laboratory | A1 | NIL | 1 | | |
| ICE 215 | Data Structure and Algorithm | A | ICE 113 | 3 | | |
| ICE 216 | Data Structure and Algorithm Laboratory | A1 | ICE 114 | 1 | | |
| EEE 213 | Electronic Devices and Circuit | A | NIL | 3 | | |
| EEE 214 | Electronic Devices and Circuit Laboratory | A1 | NIL | 1 | | |
| MAT 217 | Engineering Mathematics | A | MAT 103 | 3 | | |
| ENG 200 | Professional English III | A1 | NIL | 1 | | |
| ICE 229 | Discrete Mathematics | A | MAT 103 | 3 | L2 T2 211 | 10 |
| ICE 235 | Operating Systems | A | ICE 113 | 3 | | |
| ICE 315 | Telecommunication Networks | A | NIL | 3 | | |
| ICE 223 | Digital Logic Design | A | EEE 213 | 3 | | |
| ICE 224 | Digital Logic Design Laboratory | A1 | EEE 214 | 1 | | |
| ICE 236 | Operating Systems Laboratory | A1 | ICE 114 | 1 | | |
| ICE 323 | Artificial Intelligence and Neural Networks | A | ICE 215 | 3 | | |
| ICE 310 | Simulation and Modeling | A | NIL | 3 | L3 T1 203 | 10 |
| ICE 322 | Digital Signal Processing Laboratory | A1 | ICE 212 | 1 | | |
| ICE 317 | Microprocessor and Interfacing | A | ICE 221 | 3 | | |
| ICE 313 | Numerical Analysis | A | MAT 217 | 3 | | |
| ICE 321 | Digital Signal Processing | A | ICE 211 | 3 | | |
| ICE 318 | Microprocessor and Interfacing Laboratory | A1 | ICE 222 | 1 | | |
| ICE 237 | Digital Communication | A | ICE 211 | 3 | | |
| ICE 238 | Digital Communication Laboratory | A1 | ICE 212 | 1 | | |
| ICE 331 | Computer Networks | A | NIL | 3 | L3 T2 201 | 27 |
| ICE 337 | Database Management System | A | ICE 227 | 3 | | |
| ICE 325 | Embedded System Design | A | ICE 315 | 3 | | |
| ICE 325 | Information Theory and Coding | A | ICE 315 | 3 | | |
| ICE 231 | Machine Learning and Expert system | A | ICE 225 | 3 | | |
| ICE 232 | Machine Learning and Expert system Laboratory | A1 | ICE 225 | 1 | | |
| ICE 332 | Computer Networks Laboratory | A1 | NIL | 1 | | |
| ICE 326 | Embedded System Design Laboratory | A1 | ICE 316 | 1 | | |
| ICE 338 | Database Management System Laboratory | A1 | ICE 228 | 1 | | |
| ICE 411 | Information Security & Cryptography | A | ICE 321 | 3 | L4 T1 191,192,193 | 9 |
| ICE 412 | Information Security & Cryptography Laboratory | A1 | ICE 321 | 1 | | |
| ICE 413 | Wireless & Mobile Communications | A | ICE 315 | 3 | | |
| ICE 415 | Microwave Engineering | A | NIL | 3 | | |
| ICE 416 | Microwave Engineering Laboratory | A1 | NIL | 1 | | |
| ICE 417 | Optical Fiber Communication | A | ICE 311 | 3 | | |
| BBA 101 | Engineering Project Management | A | NIL | 3 | | |
| ICE 496 | Industrial Training I | A | NIL | 1 | | |