EEE

ENG 091: Foundation Course (non-credit)
ENG 101: English Fundamentals (3 credits)
ENG 102: English Composition (3 credits)
DEV 101: Bangladesh Studies (3 credits)
HUM 103: Ethics and Culture (3 credits)
MAT 110: Mathematics I (3 credits)
PHY 111: Principles of Physics I (3 credits)
CSE 161: Computer Programming (3 credits)
CSE 162: Computer Programming Laboratory (1 credit)

MAT 120: Mathematics II (3 credits)

MAT 215: Mathematics III (3 credits)

MAT 216: Mathematics IV (3 credits)

STA 201: Elements of Statistics and Probability (3 credits)

CHE 110: Principles of Chemistry (3 credits)

PHY 112: Principles of Physics II (3 credits)

ECO 105: Fundamentals of Economics (3 credits)

3. Course Requirements for the Electrical and Electronic Engineering Major [66 credits]

EEE 201 Electrical Circuits I (3 credits)

EEE 202 Electrical Circuits I Laboratory (1.5 credits)

EEE 203 Electrical Circuits II (3 credits)

EEE 204 Electrical Circuits II Laboratory (1.5 credits)

EEE 205 Electronic Devices and Circuits I (3 credits)

EEE 206 Electronic Devices and Circuits I Laboratory (1.5 credits)

EEE 207 Electronic Devices and Circuits II (3 credits)

EEE 208 Electronic Devices and Circuits II Laboratory (1.5 credits)

EEE 209 Semiconductor Devices and Materials (3 credits)

EEE 221 Energy Conversion I (3 credits)

EEE 223 Energy Conversion II (3 credits)

EEE 224 Energy Conversion Laboratory (1.5 credits)

EEE 241 Electromagnetic Waves and Fields (3 credits)

EEE 243 Signals and Systems (3 credits)

CSE 330 Numerical Methods (3 credits)

EEE 301 Digital Electronics (3 credits)

EEE 302 Digital Electronics Laboratory (1.5 credits)

EEE 305 Control Systems (3 credits)

EEE 306 Control Systems Laboratory (1.5 credits)

EEE 341 Introduction to Communication Engineering (3 credits)

EEE 342 Introduction to Communication Engineering Laboratory (1.5 credits)

EEE 343 Digital Signal Processing (3 credits)

EEE 344 Digital Signal Processing Laboratory (1.5 credits)

EEE 365 Microprocessors (3 credits)

EEE 366 Microprocessors Laboratory (1.5 credits)

EEE 400 Thesis/ Project (6 credits)

ACT 201: Financial Accounting (3 credits)

MGT 211: Principles of Management (3 credits)

PHY 310: Advanced Solid State Physics (3 credits)

EEE 307: Optoelectronic Devices (3 credits)

EEE 411: VLSI Design (3 credits)

EEE 412: VLSI Design Laboratory (1.5 credits)

EEE 413: Digital System Design (3 credits)

EEE 414: Digital System Design Laboratory (1.5 credits)

EEE 415: Analog Integrated Circuit Design (3 credits)

EEE 321: Power System I (3 credits)

EEE 323: Power System II (3 credits)

EEE 421: Power Electronics (3 credits)

EEE 422: Power Electronics Laboratory (1.5 credits)

EEE 423: Power Plant Engineering (3 credits)

EEE 425: Switchgear and Protection (3 credits)

EEE 426: Switchgear and Protection Laboratory (1.5 credits)

EEE 427: Power System Reliability (3 credits)

EEE 429: Power System Operation and Control (3 credits)

EEE 431: High Voltage Engineering (3 credits)

EEE 432: High Voltage Engineering Laboratory (1.5 credits)

EEE 349: Microwave Engineering (3 credits)

EEE 350: Microwave Engineering Laboratory (1.5 credits)

EEE 347: Telecommunication Switching Systems (3 credits)

EEE 361: Data Communications (3 credits)

EEE 362: Data Communications Laboratory (1.5 credits)

EEE 441: Wireless and Mobile Communications (3 credits)

EEE 442: Wireless and Mobile Communications Laboratory (1.5 credits)

EEE 443: Optical Communications (3 credits)

EEE 444: Optical Communications Laboratory (1.5 credits)

EEE 445: Digital Communications (3 credits)

EEE 446: Digital Communications Laboratory (1.5 credits)

EEE 447: Satellite Communications (3 credits)

EEE 449: High Performance Communication Networks (3 credits)

EEE 451: Telecommunication Policy and Management (3 credits)

EEE 453: LAN Switching and WAN Technologies (3 credits)

EEE 454: LAN Switching and WAN Technologies Laboratory (1.5 credits)

EEE 455: Fundamentals of Wireless LANs (3 credits)

EEE 456: Fundamentals of Wireless LANs Laboratory (1.5 credits)

EEE 361: Data Communications (3 credits)

EEE 362: Data Communications Laboratory (1.5 credits)

EEE 363: Multimedia Communications (3 credits)

CSE 340: Computer Architecture (3 credits)

EEE 411: VLSI Design (3 credits)

EEE 412: VLSI Design Laboratory (1.5 credits)

EEE 413: Digital System Design (3 credits)

EEE 414: Digital System Design Laboratory (1.5 credits)

EEE 463: Protocol Engineering (3 credits)

EEE 465: Computer Networks (3 credits)

EEE 466: Computer Networks Laboratory (1.5 credits)

CSE 425: Neural Networks (3 credits)

CSE 428: Image Processing (3 credits)

CSE 432: Speech Recognition and Synthesis (3 credits)

EEE 303: Measurement and Instrumentation (3 credits)

EEE 304: Measurement and Instrumentation Laboratory (1.5 credits)

EEE 401: Internship (non-credit)

EEE 461: Biomedical Instrumentation (3 credits)

EEE 490: Special Topics (3 credits)

EEE 491: Independent Study (3 credits)