

FOUR YEAR PLAN TO COMPLETE THE BS in ELECTRICAL ENGINEERING (EE__BS01)
134 UNITS REQUIRED

Department of Electrical Engineering

Semester 1

Course	Units
MATH 122 Calculus I (GE - B2)	4
CECS 174 Program & Problem Solving I	3
Composition or Oral Communication	3
GE Class	3
GE Class	3
TOTAL UNITS	16

Semester 2

Course	Units
University 100	1
MATH 123 Calculus II (GE B3)	4
PHYS 151 Mechanics & Heat (GE-B1b)	4
EE 200 Trends in Electrical Engineering	1
EE 201 Digital Logic Design	4
Oral Communication or Composition	3
TOTAL UNITS	17

Semester 3

Course	Units
MATH 224 Calculus III	4
PHYS 152 OR EE 210 & EE 210L	
Elec. & Mag. OR Fund. Elec. Circ. & Lab	4
EE 346 Microprocessor Princ. & Appl.	3
Critical Thinking	3
GE Class	3
TOTAL UNITS	17

Semester 4

Course	Units
MATH 370A Applied Mathematics I	3
PHYS 254 Applied Modern Physics	3
EE 211 Electric & Electronic Circuits	3
EE 211L Electric Circuits Lab	1
ENGR 202 Computer Methods in Eng.	3
EE 347 Microproc. Based System Des.	3
TOTAL UNITS	16

Semester 5

Course	Units
EE 310 Electrical Circuits II	3
EE 330 Analog Electronic Circuits I	4
EE 350 Energy Conversion Principles	3
MAE 330 Eng. Thermodynamics I OR	
CE 370 Analytical Mechanics	3
GE class	3
TOTAL UNITS	16

Semester 6

Course	Units
EE 370 Control Systems	3
EE 380 Engineering Probability & Stats.	3
EE 382 Communications Systems I	3
EE 430 Analog Electronic Circuits II	3
EE 430L Analog Electronics II Lab	1
EE 386 Digital Signal Processing I	3
TOTAL UNITS	16

Semester 7

Course	Units
EE 370L Control Systems Lab	1
EE 400D EE Sem & Project Design Lab	2
Approved Sequence Elective	3
Approved Sequence Elective	3
EE 462 Electromag. & Appl. to wireless	
OR 464 Electromag. & App. to elc.optics	3
GE class	3
GE Capstone Course	3
TOTAL UNITS	18

Semester 8

Course	Units
Approved Sequence Elective	3
Approved Sequence Elective	3
Senior Des. Proj.- 2hrs Lect/ 3hrs Lab	3
GE Class	3
GE Capstone Course	3
GE Capstone course	3
TOTAL UNITS	18

See your advisor for the approved sequence of electives for your selected area!!!!

Engineering majors may waive 6 units of General Education (Categories D.2 and B.1.a or C.3 or E)