

FIVE YEAR PLAN TO COMPLETE THE BS in ELECTRICAL ENGINEERING (EE__BS01)

134 UNITS REQUIRED

Department of Electrical Engineering

Semester 1

Course	Units
University 100	(1)
MATH 122 Calculus I (GE - B2)	4
CECS 174 Programming & Problem Solving I	3
Composition or Oral Communication	3
GE Class	3
TOTAL UNITS	14

Semester 2

Course	Units
MATH 123 Calculus II GE B3)	4
PHYS 151 Mechanics & Heat (GE - B1b)	4
EE 200 Trends in Electrical Engineering	1
Oral Communication or Composition	3
TOTAL UNITS	12

Semester 3

Course	Units
MATH 224 Calculus III	4
EE 201 Digital Logic Design	4
Critical Thinking	3
GE Class	3
TOTAL UNITS	14

Semester 4

Course	Units
PHYS 152 OR EE 210 & EE 210L	
Elec. & Mag. OR Fund. Elec Circ. & Lab	4/4
ENGR 202 Computer Methods in Eng.	3
GE Class	3
GE Class	3
TOTAL UNITS	13

Semester 5

Course	Units
EE 211 Electric Circuits I	3
EE 211L Electric Circuits Lab	1
EE 346 Microprocessor Principles & Appl.	3
MATH 370A Applied Mathematics I	3
GE Class	3
TOTAL UNITS	13

Semester 6

Course	Units
EE 350 Energy Conversion Principles	3
EE 310 Signals and Systems	3
PHYS 254 Applied Modern Physics	3
EE 347 Microproc. Based System Design	3
GE class	3
TOTAL UNITS	15

Semester 7

Course	Units
EE 330 Analog Electronic Circuits I	4
EE 370 Control Systems	3
EE 380 Engineering Probability & Stats.	3
GE Capstone course	3
TOTAL UNITS	13

Semester 8

Course	Units
EE 382 Communications Systems I	3
EE 386 Digital Signal Processing I	3
CE 370 Analytical Mechanics OR	
MAE 330 Eng. Thermodynamics I	3
EE 430 Analog Electronic Circuits II	3
EE 430L Engineering Electronics II Lab	1
TOTAL UNITS	13

Semester 9

Course	Units
EE 370L Control System Lab	1
EE 400D EE Seminar & Proj. Design Lab	2
EE 462 OR 464 Electromag. & Appl. To	
Wireless Sys./Electro. & Appl. Elect-Opt	3
Approved Sequence Elective	3
Approved Sequence Elective	3
GE Capstone course	3
TOTAL UNITS	15

Semester 10

Course	Units
Approved Elective Sequence	3
Approved Elective Sequence	3
Senior Design Project. -2hrs Lect/ 3 hrs Lab	3
GE Capstone course	3
TOTAL UNITS	12

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)

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