Electrical Engineering

Prerequisite Flowchart

These requirements are effective for students admitted to the Electrical Engineering major beginning Fall 2017.

Legend:
- Prerequisite
- Prerequisite or Concurrent

*Div: Complete courses in at least 2 out of 3 diversity categories – “N”, “I” or “D”

FRESHMAN YEAR
FALL Term 1
- Bioscience - 3/4
- Choose 1 from approved list
- CEM 141 - 4
- Gen Cem
- EGR 100 - 2
- Intro Engr Design
- MTH 132 - 3
- Calc I
- MTH 133 - 4
- Calc II
- PHY 183 - 4
- Physics I
- WRA 101 - 4
- Univ Writing

SPRING Term 2
- ECE 101 OR
- Elective - 1/4
- ECE 201 - 3
- Circuits & Syst I
- CSE 220 - 3
- Programming in C
- IAH 201 - 4
- *Div- N, I or D

SOPHOMORE YEAR
FALL Term 3
- CEM 161 - 1
- Cem Lab 1
- ECE 202 - 3
- Circuits & Syst II
- MTH 234 - 4
- Multivar Calc
- PHY 184 - 4
- Physics II

SPRING Term 4
- ME 201 - 3
- (P: CEM 141, PHY 183 & MTH 234 or concurrent)
- OR
- ECE 221 - 3
- (P: PHY 183 & MTH 234 or concurrent)
- ECE 203 - 1
- Electr Circuits
- ECE 280 - 3
- Elec Engr Analy
- ECE 230 - 3
- Digital Logic Fund

JUNIOR YEAR
FALL Term 5
- Elective - 3/4
- crs of Gen Elecs
- ECE 213 - 3
- Control Systems
- ECE 202 - 3
- Electr Circuits
- ECE 280 - 3
- Elec Engr Analy
- ECE 303 - 1
- Electronics Lab
- Mjr Elect #1 - 3/4
- Elective - 1/4
- crs of Gen Elecs

SPRING Term 6
- ECE 313 - 3
- Intro to Sig Proc
- ECE 302 - 3
- Engry Conv & Pwr Elec
- ECE 303 - 1
- Electronics Lab
- ECE 305 - 4
- Elec Flds & Waves I

FALL Term 7
- ECE 366 - 3
- Intro to Sig Proc
- Mjr Elect #2 - 3/4
- Elective - 1/4
- crs of Gen Elecs
- Mjr Elect #3 - 3/4
- Choose 1 from approved list
- Mjr Elect #4 - 3/4
- Choose 1 from approved list
- Mjr Elect #5 - 3/4
- Choose 1 from approved list
- Mjr Elect #6 - 3/4
- Choose 1 from approved list

SENIOR YEAR
FALL Term 8
- Mjr Elect #7 - 3/4
- Choose 1 from approved list
- Mjr Elect #8 - 3/4
- Choose 1 from approved list
- Elective - 1/4
- crs of Gen Elecs
- ECE 480 - 4
- Senior Design

SPRING Term 9
- Mjr Elect #9 - 3/4
- Choose 1 from approved list
- Mjr Elect #10 - 3/4
- Choose 1 from approved list
- Elective - 3/4
- crs of Gen Elecs
- ECE 390 - 1
- Ethics, Prof & Cont Issues

Last Revised: 02/28/17