Electrical Engineering

Prerequisite Flowchart

These requirements are effective for students admitted to the Electrical Engineering major beginning Fall 2021.

**FRESHMAN YEAR**

**FALL**
- MTH 132 - 3 Calc I
- EGR 100 - 2 Intro Engr Design
- CEM 141 - 4 Gen Cem
- MTH 133 - 4 Calc II
- ECE 201 OR Elective - 1/4
- CSE 220 - 3 Programming in C
- PHY 183 - 4 Physics I
- WRA 101 - 4 Univ Writing (Preq: WRA 1004 or designated score)
- IAH 201-210 - 4 *Div- N, I or D (Preq: WRA 1004 or designated score)
- ISS 2XX - 4 *Div- N, I or D
- Elective - 3/4
- Elective - 3/4

**SPRING**
- MTH 234 - 4 Multivar Calc
- PHY 184 - 4 Physics II
- PHY 184 - 4 Physics II
- Elective - 3/4
- ECE 201 - 3 Circuits & Syst I
- ECE 201 - 3 Circuits & Syst II
- Elective - 3/4
- Mjr Elect #1 - 3/4
- Elective - 3/4

**SECOND YEAR**

**FALL**
- MTH 235 - 3 Diff Equations
- MTH 236 - 4 Diff Equations
- MTH 237 - 4 Diff Equations
- ECE 203 - 1 Elec Crc & Sys Lab
- ECE 280 - 3 Elec Engr Analy
- Elective - 3/4
- Elective - 3/4
- Elective - 3/4
- ECE 313 - 3 Control Systems
- ECE 320 - 3 Energy Conv & Pwr Etc
- ECE 320 - 3 Energy Conv & Pwr Etc
- ECE 302 - 3 Electr Circuits
- ECE 303 - 1 Electronics Lab
- Elective - 3/4
- Elective - 3/4
- Elective - 3/4

**SPRING**
- Mjr Elect #2 - 3/4
- Mjr Elect #3 - 3/4
- Elective - 3/4
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**THIRD YEAR**

**FALL**
- Mjr Elect #1 - 3/4
- Elective - 3/4
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**FOURTH YEAR**

**FALL**
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**LEGEND**

- Prerequisite
- Prerequisite or Concurrent

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

Last Revised: 06/07/2022