Computer Engineering

Prerequisite Flowchart

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

**FRESHMAN YEAR**

**FALL** Term 1
- Bioscience - 3/4
  - Choose 1 from approved list
- CEM 141 - 4
  - Gen Cem
- EGR 100 - 2
  - Intro Engr Desgn

**SPRING** Term 2
- MTH 132 - 3
  - Calc I
- MTH 133 - 4
  - Calc II
- PHY 183 - 4
  - Physics I
- ISS 1XX - 4
  - *Div- N, I or D
- WRA 101 - 4
  - Univ Writing
  (Preq: WRA 1004 or designated score)
- Mjr Elect #1 - 3
  - Choose 1 from approved list

**FRESHMAN YEAR**

**SPRING** Term 2
- MTH 132 - 3
  - Calc I
- MTH 133 - 4
  - Calc II
- PHY 183 - 4
  - Physics I
- ISS 1XX - 4
  - *Div- N, I or D
- WRA 101 - 4
  - Univ Writing
  (Preq: WRA 1004 or designated score)
- Mjr Elect #1 - 3
  - Choose 1 from approved list

**SOPHOMORE YEAR**

**FALL** Term 3
- CSE 231 - 4
  - Intro to Progr I
- CSE 232 - 4
  - Intro to Progr II
- ECE 201 - 3
  - Circuits & Syst I
- MTH 234 - 4
  - Multivar Calc
- ECE 280 - 3
  - Elec Engr Analy

**SPRING** Term 4
- CSE 260 - 4
  - Discrete Structures in CS
- ECE 202 - 3
  - Circuits & Syst II
- MTH 235 - 3
  - Diff Equations
- ECE 280 - 3
  - Elec Engr Analy

**JUNIOR YEAR**

**FALL** Term 5
- ECE 303 - 1
  - Elec Circuits
- PHY 184 - 4
  - Physics II
- ISS 2XX - 4
  - *Div- N, I or D
- WRA 101 - 4
  - Univ Writing
  (Preq: WRA 1004 or designated score)
- Mjr Elect #2 - 4
  - Choose 1 from approved list

**SPRING** Term 6
- ECE 303 - 1
  - Elec Circuits
- PHY 184 - 4
  - Physics II
- ISS 3XX - 4
  - *Div- N, I or D
- WRA 101 - 4
  - Univ Writing
  (Preq: WRA 1004 or designated score)
- Mjr Elect #3 - 4
  - Choose 1 from approved list

**SENIOR YEAR**

**FALL** Term 7
- ECE 331 - 4
  - Micropr & Dig Sys
- CSE 325 - 3
  - Computer Systems
- CSE 331 - 3
  - Alg & Data Struct

**SPRING** Term 8
- ECE 390 - 1
  - Ethics, Prof & Contemporary Issues
- ECE 480 - 4
  - Sr. Design OR
  - ECE 489 – 4
  - Independent Sr. Design
  (P: ECE 303, ECE 313, ECE 320, ECE 331, ECE 366, ECE 390 or conc))
  OR
  ((CSE 325, ECE 390 or conc ))
  AND
  WRA XXX)
- Mjr Elect #6 - 4
  - Choose 1 from approved list
- Mjr Elect #7 - 3
  - Choose 1 from approved list

**LEGEND**

- Prerequisite
- Prerequisite or Concurrent
- Rounded box: Offered only in the semester listed (excluding summer)
- *Div: Complete courses in at least 2 out of 3 diversity categories- “N”, “I” or “D”

Last Revised 06/07/2022