ELECTRICAL & COMPUTER ENGINEERING

FIRST YEAR

**Fall**
- **ECE 111** Intro. to Electrical & Comp. Engr. F (3)
- **CH 201** Chemistry for Engineers F, W (3)
- **MTH 251** Differential Calculus F, W, S, U, E (4)
- **WR 121** English Composition Alpha Sectioned F, W, S, U, E (3)

**Winter**
- **ECE 112** Intro. to Electrical & Comp. Engr. W (3)
- **MTH 252** Integral Calculus F, W, S, U, E (4)
- **HHS 231 & HHS 241/PAC** Lifetime Fitness F, W, S, U, E (2+1)

**Spring**
- **CS 162** Intro to Comp. Sci. II F, W, S, U, E (4)
- **MTH 231** Discrete Math F, W, S, U, E (4)
- **MTH 254** Vector Calculus I F, W, S, U (4)
- **Perspectives** Social Processes & Institutions F, W, S, U, E (3)

**Notes:**
1. F, W, S, U: Represents the term the course is offered (Fall, Winter, Spring, Summer, Ecampus)
2. ( _) : Represents the credits of the course
3. Arrows: Represents prerequisites and co-requisites for that course
4. Shaded courses are required prior to admission to the Professional Program
5. Summer courses may be cancelled due to low enrollment
6. Students cannot S/U major courses

SECOND YEAR

**Fall**
- **ENGR 201** Electrical Fundamentals I F, W, S, U (3)
- **PH 211** Physics with Calculus F, W, S, U (4)
- **MTH 254** Vector Calculus I F, W, S, U (4)
- **Perspectives** Literature & Arts F, W, S, U, E (3)

**Winter**
- **ENGR 202** Electrical Fundamentals II W, S, U (3)
- **PH 212** Physics with Calculus F, W, S (4)
- **MTH 254** Vector Calculus II F, W, S, U (4)
- **Perspectives** Western Culture F, W, S, U , E(3)

**Spring**
- **ENGR 203** Electrical Fundamentals III F, S, U (3)
- **PH 213** Physics with Calculus W, S, U (4)
- **MTH 256** Matrix & Power Series Methods F, W, S, U (4)
- **ECE 271 & 272** Digital Logic Design & Lab F, S (3+1)
ELECTRICAL & COMPUTER ENGINEERING

THIRD YEAR

Academic Year 2018-2019

Fall

- **ECE 322**
  - Electronics I
  - F, W, (3)

- **ECE 323**
  - Electronics II
  - W, S (3)

- **ECE 351**
  - Signals & Systems I
  - F, W (3)

Winter

- **CS 261, ECE 271**

- **ECE 352**
  - Signals & Systems II
  - W, S (3)

- **ECE 375**
  - Computer Org. & Assembly Language
  - F, W (4)

Spring

- **ECE 353**
  - Signals & Systems III
  - W, S (3)

- **CS 344 or ECE 390**
  - F, W, U, E (4)

- **WR 121**

Fall

- **WR 327**
  - Technical Writing
  - F, W, S, U, E (3)

Winter

- **ECE 341**
  - JR Project
  - F, W (3)

Spring

- **ECE 342**
  - JR Project
  - W, S (3)

- **Synthesis**
  - Contemporary Global Issues
  - F, W, S, U, E (3)

- **CS 391**
  - Social/Ethical Issues
  - STS Synthesis
  - F, W, S, U, E (3)

Notes:
1. Textured courses are Professional Program courses
2. Summer courses may be cancelled due to low enrollment
3. CS 391 counts for both Major and Science, Technology and Society (Synthesis) credits
4. 180 total credits are needed to graduate
5. Students cannot S/U major courses