BSE – Electrical Engineering (EENG) Concentration - 2016

Freshman: 43 core hours + 22 concentration hours

- ENGR 1012 (2) Engineering Graphics
  P/C: MATH 1083 or higher
- ENGR 1000 (1) Intro to Engineering
  MATH 1083 or Placement test
- ENGR 2050 (3) Computer Applications in Engineering
- ENGR 2070 (3) Materials and Processes
- MATH 2151 (3) Calculus I
- MATH 2152 (3) Calculus II
- CHEM 1150/1151 (4) General Chemistry I
- ENGL 1000 (1) Composition
- ENGL 2201 (3) Writing about the Disciplines
- PHYS 2350 (4) University Physics I
- MATH 2152

Sophomore: 32 hours

- ENGR 1016 (2) Introduction to Engineering Design
- ENGR 2000 (1) Engineering Design/PM I
- ENGR 2514 (4) Circuit Analysis
- ENGR 2514 (4)
- MATH 2153 (3) Calculus III
- MATH 2154 (4) Linear Algebra & Diff. Eqns.
- MATH 2154
- ENGR 2410 (3) Digital Circuits
- ENGR 2410
- ENGR 2450 (3) Dynamics
- ENGR 2450
- ENGR 3002 (2) Engineering Economics
- ENGR 3002
- ENGR 3013 (4) Signals and Systems
- ENGR 3013
- ENGR 3024 (3) AC Circuits
- ENGR 3024
- MATH 3307 (3) Engineering Statistics
- MATH 3307
- MATH 2152

Junior: 31 hours

- ENGR 3202 (2) Engineering Design/PM II
- MATH 2152
- ENGR 2050
- ENGR 3040 (4) Microprocessors
- ENGR 3040
- ENGR 3050 (3) Sensors, Measurements and Controls
- ENGR 3050
- EENG 3034 (4) Thermal and Fluid Systems
- EENG 3034
- ENGR 3023 (3) Control System Design
- ENGR 3023

Senior: 31 hours

- EENG 4510 (3) Control System Design
- EENG 4510
- ENGR 4010 (2) Capstone Design I
- ENGR 4010
- ENGR 4020 (2)

Electives: 33 total hours

- Humanities/Fine Arts Elective (3)
- Social Sciences Elective (3)
- Humanities/Fine Arts Elective (3)
- Social Sciences Elective (3)

Note: This chart is for planning purposes only. It is the student’s responsibility to ensure that requirements as detailed in the Undergraduate Catalog are met.

Diversity: At least one elective course must be designated as GD (Global Diversity) or DD (Domestic Diversity).