

BS Engineering – Electrical Engineering (EENG) Concentration – 2019

Engineering: 43 core hours + 22 concentration hours

Math/Science : 33 hours

General: 27 hours

FRESHMAN

SOPHOMORE

JUNIOR

SENIOR

Fall

Spring

Fall

Spring

Fall

Spring

Fall

Spring

ENGR 1012 (2)
Engineering Graphics

Dashed border denotes minimum grade of C required

ENGR 2022 (3)
Statics

ENGR 2450 (3)
Dynamics

ENGR 3420 (2)
Engineering Economics

ENGR 3000 (2)
Engineering Design/PM II

ENGR 4010 (2)
Capstone Design I

ENGR 4020 (2)
Capstone Design II

P/C: MATH 1083 or higher

P/C: PHYS 2350
P: MATH 2152*

P/C: PHYS 2360
P/C: MATH 2154

MATH 2152 *

ENGR 2000

ENGR 3420
EENG 2410 & 3013

ENGR 1000 (1)
Intro to Engineering

ENGR 1016 (2)
Introduction to Engineering Design

ENGR 2000 (1)
Engineering Design/PM I

ENGR 2514 (4)
Circuit Analysis

EENG 3013 (3)
AC Circuits

EENG 3023 (3)
Signals and Systems

EENG 4510 (3)
Control System Design

Concentration-specific courses are only offered in the semester shown on this sheet.

Bold border denotes class with lab

ENGL 2201
CHEM 1150

ENGR 1016
ENGR 2050

MATH 1083 or higher

MATH 1083 or Placement test

ENGR 2050 (3)
Computer Applications in Engineering

ENGR 2070 (3)
Materials and Processes

EENG 2410 (3)
Digital Circuits

EENG 3040 (4)
Micro-processors

ENGR 3050 (3)
Sensors Measurements and Controls

EENG 3750 (3)
Power Systems

Tech Elective (3)

MATH 2171 (4)
Calculus I

MATH 2152 (3)
Calculus II

MATH 2153 (3)
Calculus III

MATH 2154 (4)
Linear Algebra & Diff. Eqns.

ENGR 3024 (3)
Mechanics of Materials

ENGR 3034 (4)
Thermal and Fluid Systems

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.

BIOL 1050/1051 (4)
General Biology or 1100/1101 Prin. of Biology I

CHEM 1150/1151 (4)
General Chemistry I

MATH 3307 (3)
Engineering Statistics

MATH 2154 (4)
Linear Algebra & Diff. Eqns.

ENGR 3024 (3)
Mechanics of Materials

ENGR 3800 (3)
Quality Control for Engineers

Humanities/ Fine Arts Elective (3)

Humanities/ Fine Arts Elective (3)

ENGL 1100 (3)
Composition

ENGL 2201 (3)
Writing about the Disciplines

PHYS 2350 (4)
University Physics I

PHYS 2360 (4)
University Physics II

KINE 1000 (1)
Lifetime Physical Activity

Social Sciences Elective (3)

Humanities/ Fine Arts Elective (3)

Social Sciences Elective (3)

P/C = pre- or co-requisite
* = C or better required

Credit hours per Semester

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

Cumulative Credit hours

Humanities/Fine Arts: Must complete at least one course in the humanities and one course in fine arts.
Social Sciences: Must complete courses in at least two different areas.

HLTH 1000 (2)
Health in Modern Society

Social Sciences Elective (3)

Revision Date: June 3, 2019

17

15/32

17/49

18/67

15/82

15/87

14/111

14/125