

# BS Engineering – Electrical Engineering (EENG) Concentration – 2022

FRESHMAN

SOPHOMORE

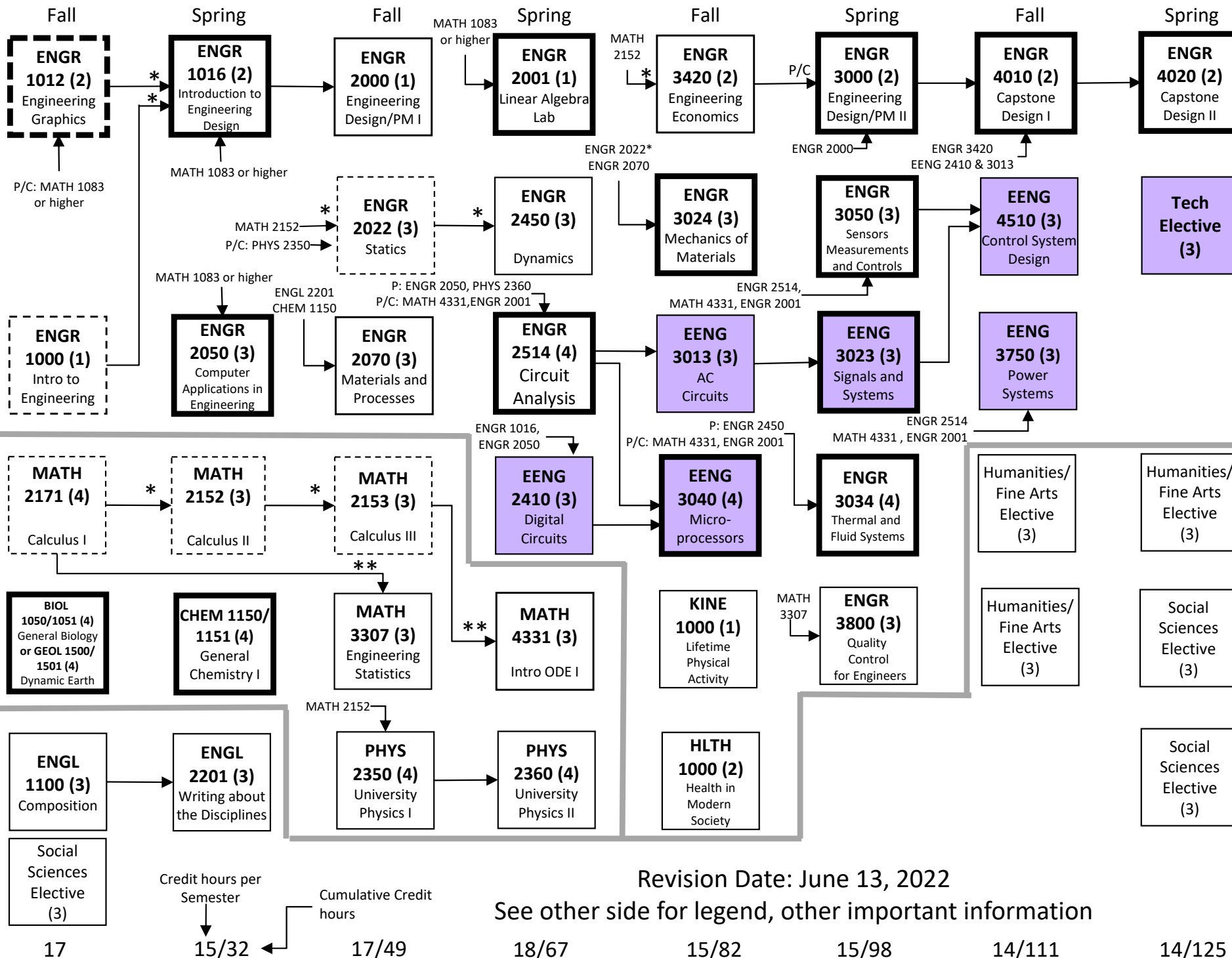
JUNIOR

SENIOR

Engineering: 44 core hours + 22 concentration hours

Math/Science : 32 hours

General: 27 hours

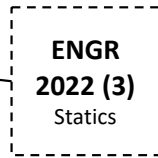


Revision Date: June 13, 2022

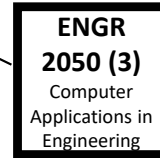
See other side for legend, other important information

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Dashed border denotes minimum grade of C required



Bold border denotes class with lab



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



Find Global Diversity Classes



Find Domestic Diversity Classes

- Concentration-specific courses are **only** offered in the semester shown on this sheet.
- **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).
- **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 subject areas.
- Students may take BIOL 1100/1101 Principles of Biology I/Lab in lieu of BIOL 1050/1051 General Biology I/Lab
- Students may use MATH 2154 Engineering Linear Algebra and Differential Equations as a prerequisite in lieu of ENGR 2001 Linear Algebra Lab 1 or MATH 4331 Introduction to Ordinary Differential Equations
- Approved technical electives for the **Electrical Engineering Concentration** (as of Fall 2021)
  - Any 3000, 4000, or 5000 level engineering class not required for the EENG concentration will count as a technical elective
  - CSCI 3300: Introduction to Algorithms and Data Structures
  - CSCI 3310: Advanced Data Structures and Data Abstraction
  - CSCI 4520: Introduction to Computer Architecture
  - CSCI 4530: Computer Networks and the Internet
  - CSCI 4540: Introduction to Mobile Communications and Wireless Security
  - CSCI 5800: Artificial Intelligence
  - ECON 5000: Data Analysis
  - MATH 4110: Elementary Complex Variables
  - MATH 4201: Introduction to Stochastic Processes
  - PHYS 4326:Electricity and Magnetism I
  - PHYS 4327:Electricity and Magnetism II
  - PHYS 4416:Modern Physics I
  - PHYS 4417:Modern Physics II

**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.**