

Freshman Year

Semester 1 Semester 2

Sophomore Year

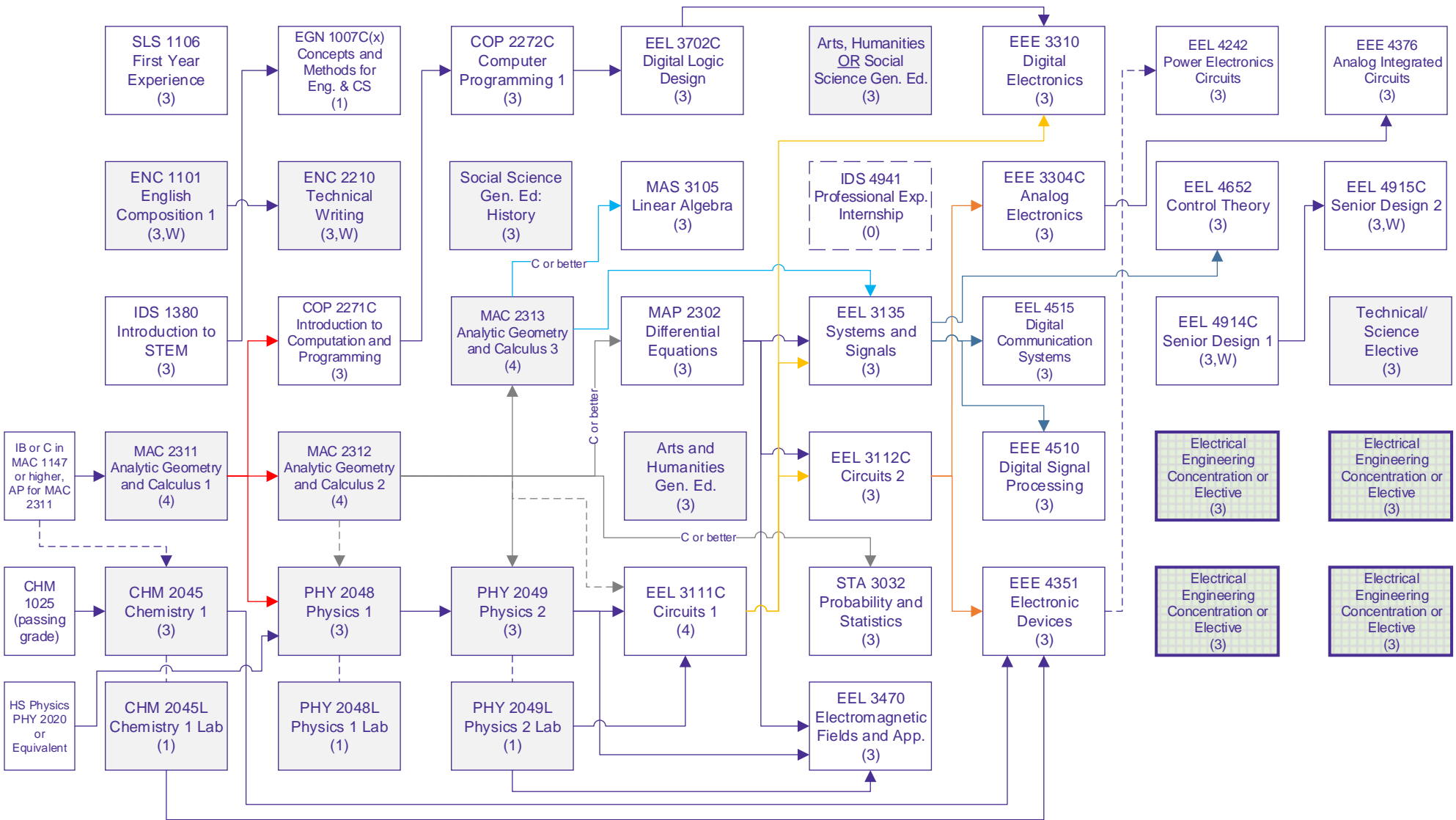
Semester 1 Semester 2

Junior Year

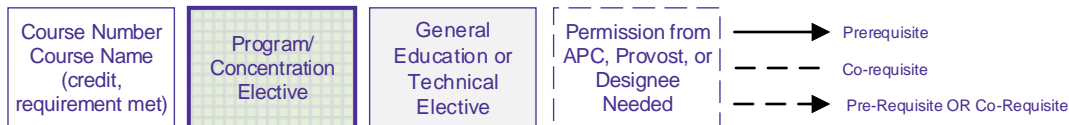
Semester 1 Semester 2

Senior Year

Semester 1 Semester 2



Legend:



Program/Concentration Electives

Advanced Topics

Complete 12 credits from courses in any electrical engineering concentration, electrical engineering electives, technical/science electives, or any combination of these.

Control Systems

- EEE 4531C Techniques for High Fidelity Signal Acq. (3, EEE 3304C)
- EEL 4321C Hardware or System in the Loop Simulation and Characterization (3, EEE 4531C)
- EEL 4612 Control System Design (3, EEL 4652)
- Other EE concentration OR program elective (3)

Digital Hybrid Systems

- EEL 4290 Sustainability for Engineering, Technology, and Entrepreneurship (3, EEL 3112C, EEL 3135)
- EEL 4300 Hybrid Devices and Systems (3, COP 2272C) OR EE other concentration elective OR program elective
- Other EE concentration OR program elective (3)
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Electrodynamics

- EEL 3477 Magnetism (3, EEL 3470)
- EEL 4421 Intro. to Transmission Lines (3, EEL 3470)
- EEL 4448 Optoelectronics (3, EEL 3470, EEE 4351)
- Other EE concentration OR program elective (3)

Electrical Engineering (Program Electives)

- EEL 3287 Renewable Energy and Sustainability (3, MAC 2313, PHY 2049, PHY 2049L)
- EEE 3308 Transistor Circuit Design (3, EEE 3304C)
- CDA 4210 VLSI Design (3, EEE 3310)
- EEL 4300 Hybrid Devices and Systems (3, EEE 3112C, EEL 3135)
- EEE 4350 Physical Electronics (3, EEE 4351)
- EEL 4746C Microcomputers (3, EEL 3202C)

Program/Concentration Electives (Continued)

Electrical Engineering (Program Electives)

- EEL 4768C Computer Arch. and Org. (3, CDA 2108 OR EEL 3702C)
- EGN 4905 Independent Study (3, Undergraduate standing, permission from VP of Academic Affairs or Designee, and qualified faculty member to act as course instructor)

General Education & Technical/Science Electives

Arts & Humanities

Three (3) to six (6) credits from the following:

- ARH 2000 Art Appreciation (3-W)
- PHI 2010 Introduction to Philosophy (3-W)
- IDS 2144 Legal, Ethical, and Mgmt. Issues in Tech. (3)

Social Sciences

Required one (1) from the following:

- AMH 2010 American History to 1877 (3-W)
- AMH 2020 American History Since 1877 (3-W)
- AMH 2930 Special Topics in American History (3-W)

Required one (1) from the following:

- ECO 2013 Principles of Macroeconomics (3-W)
- ECO 2023 Principles of Microeconomics (3-W)
- PSY 2012 General Psychology (3-W)

Technical/Science Elective

Required one (1) from the following:

- CHM 4411 Survey of Physical Chemistry (3, CHM 2045, CHM 2045L, PHY 2049, PHY 2049L)
- PHZ 4404 Intro. to Solid State Physics (3, CHM 2045, CHM 2045L, PHY 2049, PHY 2049L)
- Or any 3000 level or above course in the catalog for which pre-requisites have been met.

Total Program Credits: 120

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