

Freshman Year

Sophomore Year

Junior Year

Senior Year

Semester 1

Semester 2

Semester 1

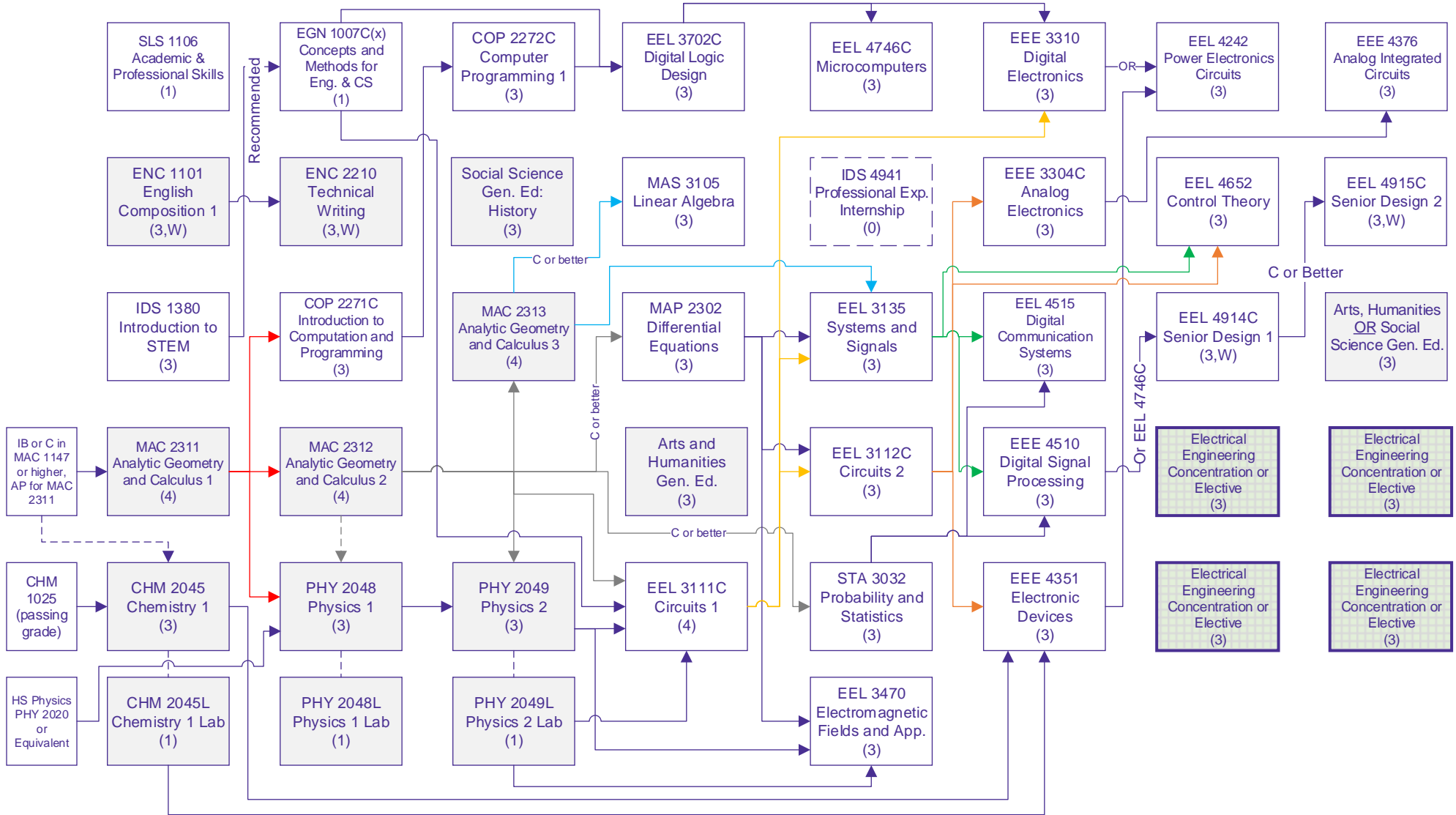
Semester 2

Semester 1

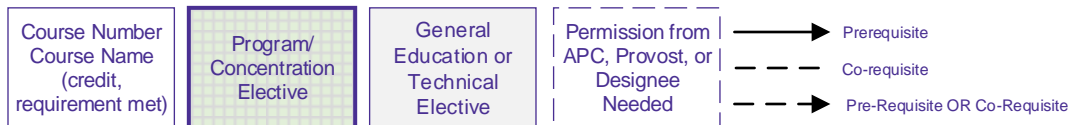
Semester 2

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

Electrodynamics

- EEL 3477 Magnetics (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)

Renewable Energy

- EEL 3287 Renewable Energy and Sustainability (3, MAC 2313, PHY 2049, PHY 2049L, CHM 2015, CHM 2015L)
- EEL 4283 Renewable Energy Systems (3, EEL 3287)
- EEL 4251 Power System Analysis (3, EEL 3112C, MAS 2105)
- Other EE concentration OR program elective (3)

Electrical Engineering (Program Electives)

- EEL 3287 Renewable Energy and Sustainability (3, MAC 2313, PHY 2049, PHY 2049L, CHM 2045, CHM 2045L)
- EEE 3308 Transistor Circuit Design (3, EEE 3304C)
- CDA 4210 VLSI Design (3, EEL 4768C, EEE 3310)
- EEL 4300 Hybrid Devices and Systems (3, EEE 3112C, EEL 3135)
- EEL 4321C Hardware in the Loop Simulation (3, EEE 4531)
- EEE 4350 Physical Electronics (3, EEE 4351)
- EEL 4421 Intro. to Transmission Lines (3, EEL 3470)
- EEL 4612C Control System Design (3, EEL 4652)

Program/Concentration Electives (Continued)

Electrical Engineering (Program Electives)

- EEL 4746C Microcomputers (3, EEL 3702C)
- EEL 4768C Computer Arch. and Org. (3, STA 3032 AND CDA 2108 OR EEL 3702C)
- EGN 4905 Independent Study (1 to 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

Required one (1) from the following:

- ARH 2000 Art Appreciation (3-W)
- HUM 2020 Introduction to Humanities (3-W, ENC 1101)
- PHI 2010 Introduction to Philosophy (3-W)

Optional, one (1) from the following OR one more from Arts & Humanities required or Social Sciences:

- HUM 2022 Explorations in the Humanities (3-W)
- IDS 2144 Legal, Ethical, and Management Issues in Technology (3)

Social Sciences

Required one (1) from the following:

- AMH 2020 American History Since 1877 (3-W-Civic Literacy)
- ECO 2013 Principles of Macroeconomics (3-W)
- PSY 2012 General Psychology (3-W)

Optional, one (1) from the following OR one more from Social Science required or Arts and Humanities:

- AMH 2010 American History to 1877 (3-W)
- AMH 2930 Special Topics (1 to 3-W)
- ECO 2023 Principles of Microeconomics (3-W)

Total Program Credits: 120

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