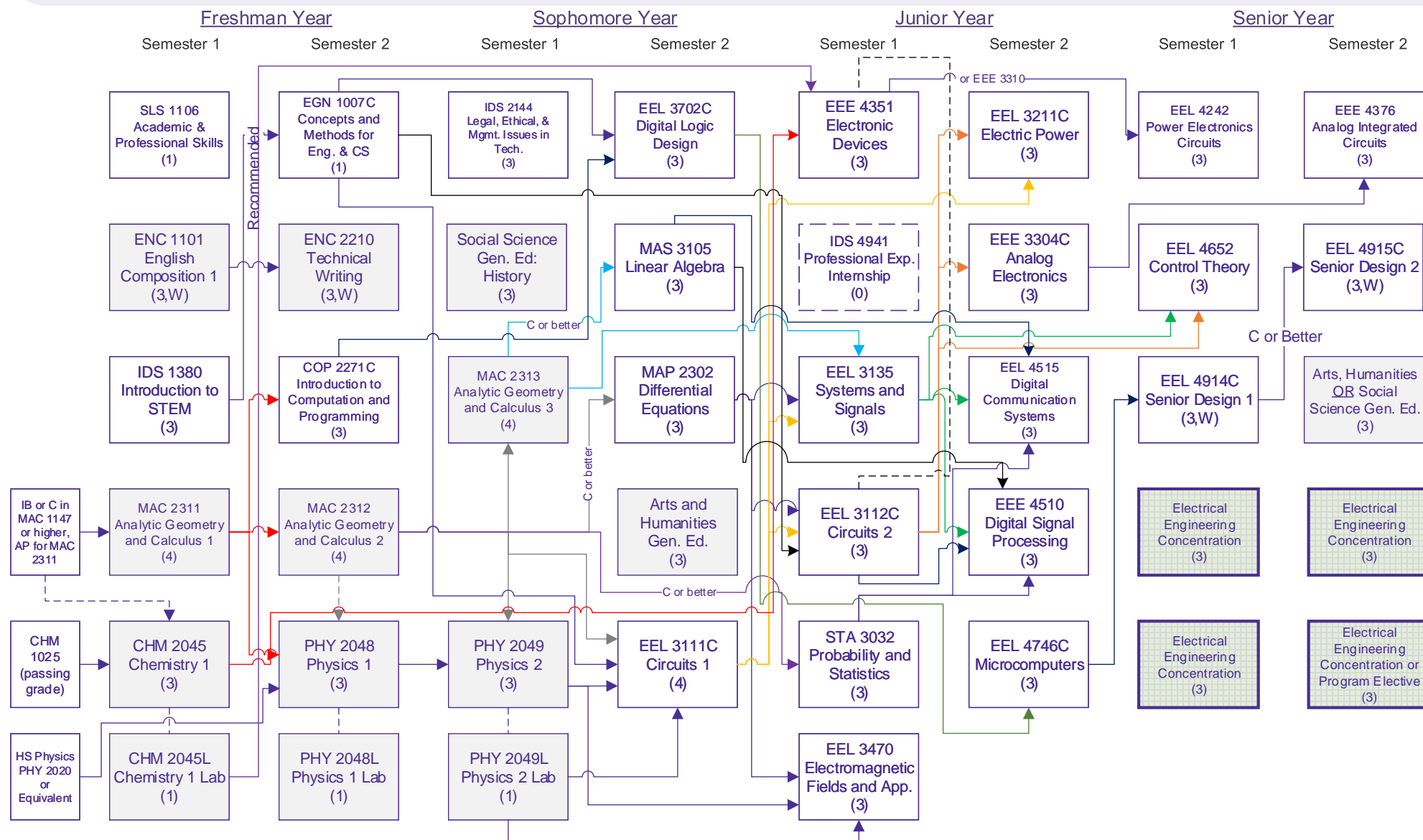
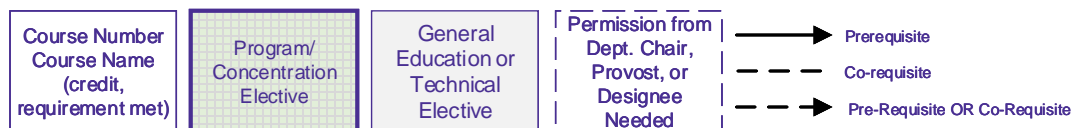


BS in Electrical Engineering

2019-2020 Catalog



Legend:



BS in Electrical Engineering

Program/Concentration Electives and General Education

2019-2020 Catalog

Program/Concentration Electives

Advanced Topics

Complete nine (9) credits from any electrical engineering concentration courses, and three (3) credits from electrical engineering electives.

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)

Electromagnetics and Communication

- EEL 4508 Satellite Communications (3, EEL 4515)
- EEL 4421 RF and Microwave Systems (3, EEL 3470)
- EEL 4524 Software Defined Radio (3, EEL 4515, EEE 4510)
- 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)

- COP 3337C – Object Oriented Programming (3, COP 2271C)
- EEL 4290 Sustainability for Eng., Tech., and Entrepreneurship (3, EEL 3112C and EEL 3135)
- EEL 3287 Renewable Energy and Sustainability (3, MAC 2313, PHY 2049, PHY 2049L, CHM 2045, CHM 2045L)
- EEL 4448 Optoelectronics (3, EEL 3470 and EEE 4351)
- EEL 4759 Digital Image Processing (3, EEL 3135)
- EEL 4664C Kinematics and Control of Robotic Systems (3, COP 2271C and EEL 3111C and MAP 2302 and MAC 2313 and STA 3032)
- EEL 4220 Electronic Motor Control (3, EEE 4351, EEL 4652)
- EEL 4660C Autonomous Robotic Systems (3, COP 2271C and COP 3337C and (EEL 3702C or CDA 2108)
- EEL 4768C Computer Architecture and Organization (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)
- LIT 2000 Introduction to Literature (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

[Click Here to print program planner](#)

[Click Here to view program plan of study](#)

[Click Here to access entire Florida Poly Catalog](#)



Legend: Course name (credits-requirement met, pre-requisites/co-requisites)

Last Modified 11/1/2019

BS in Electrical Engineering Advanced Topics

2019-2020 Catalog

Freshman Year

Semester 1

Semester 2

Sophomore Year

Semester 1

Semester 2

Junior Year

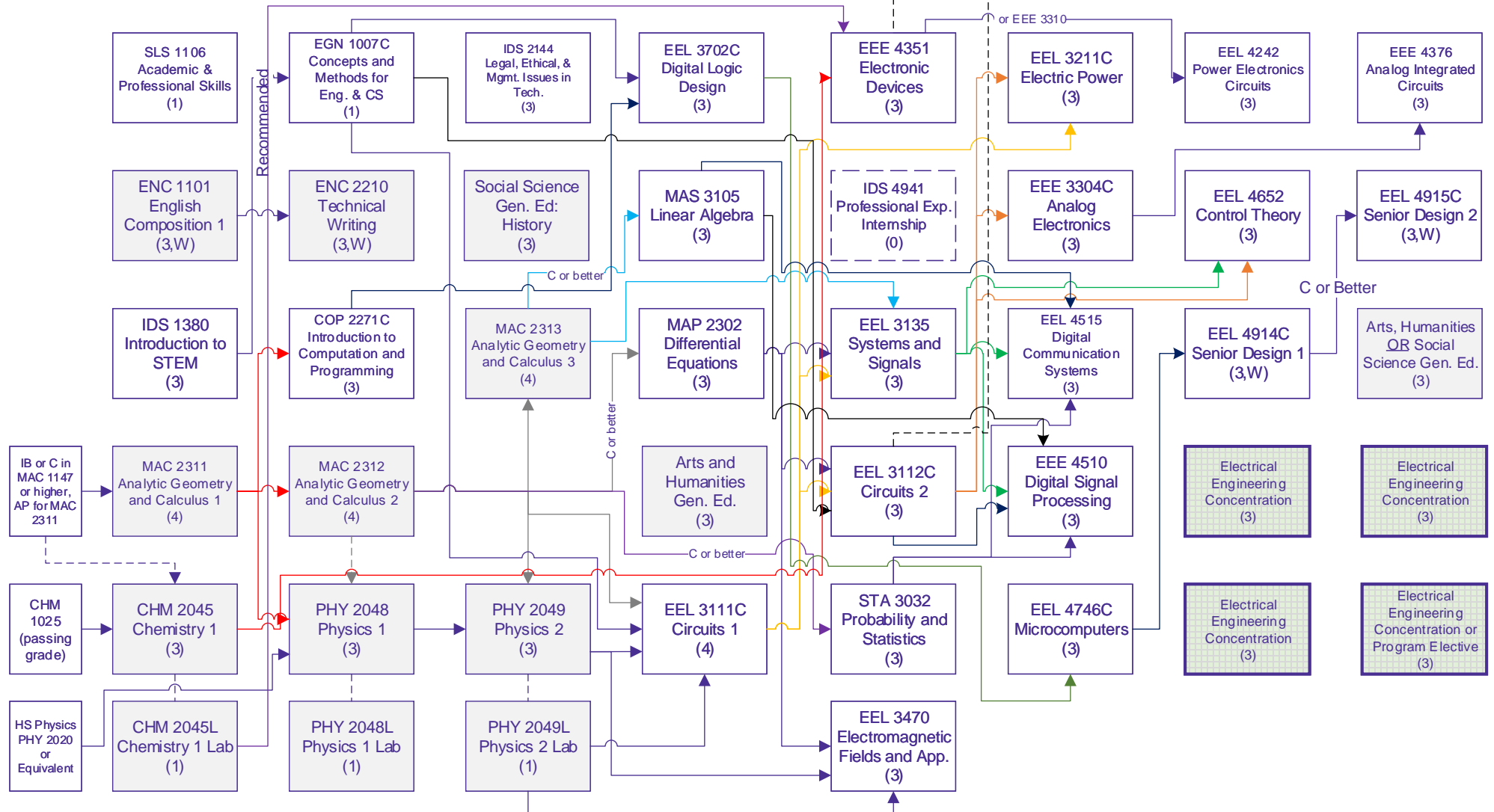
Semester 1

Semester 2

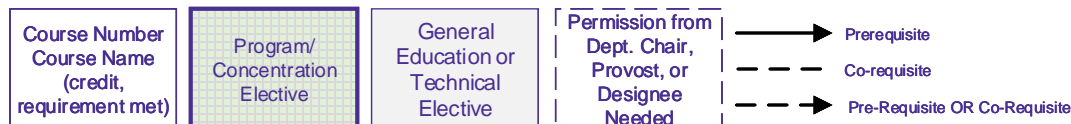
Senior Year

Semester 1

Semester 2



Legend:



BS in Electrical Engineering Control Systems

2019-2020 Catalog

Freshman Year

Semester 1

Semester 2

Sophomore Year

Semester 1

Semester 2

Junior Year

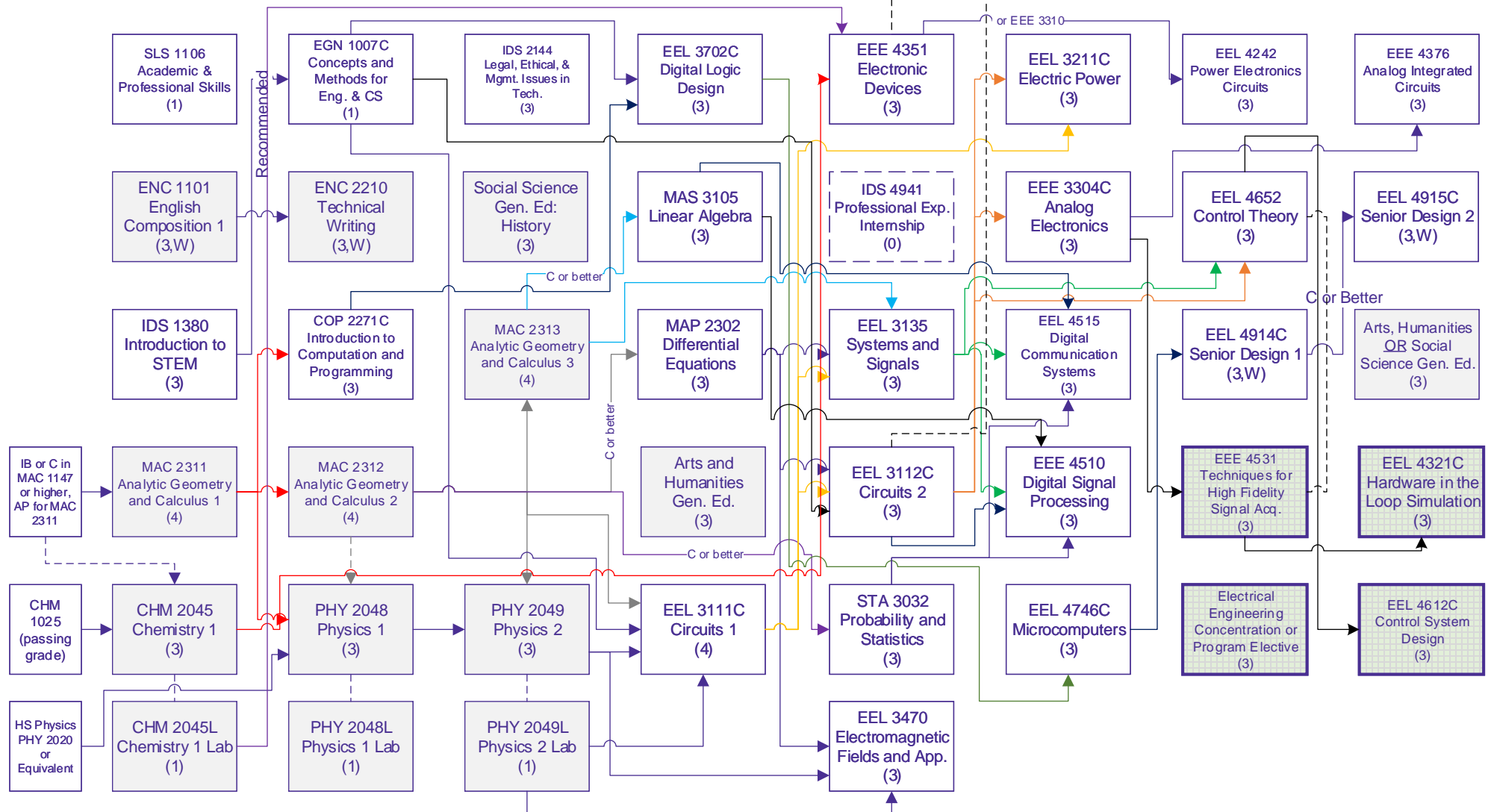
Semester 1

Semester 2

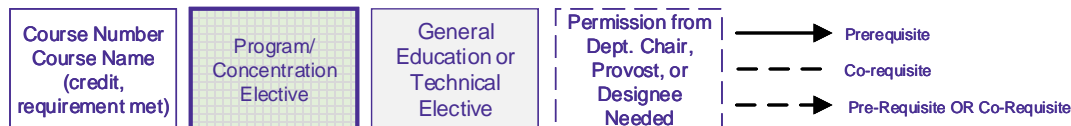
Senior Year

Semester 1

Semester 2



Legend:



BS in Electrical Engineering Electromagnetics and Communication

2019-2020 Catalog

Freshman Year

Semester 1

Semester 2

Sophomore Year

Semester 1

Semester 2

Junior Year

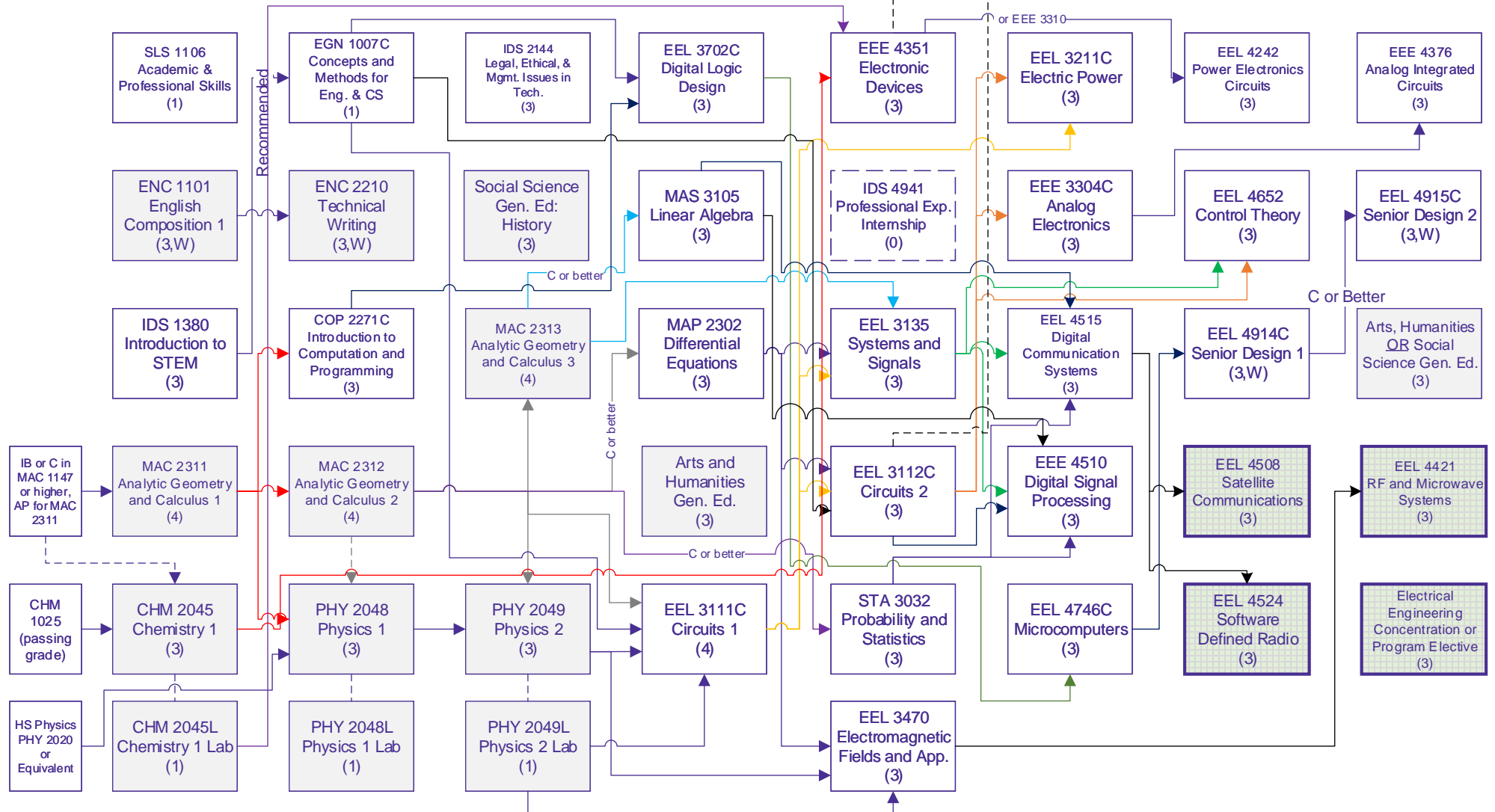
Semester 1

Semester 2

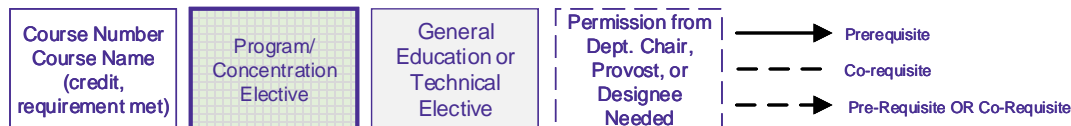
Senior Year

Semester 1

Semester 2



Legend:



2019-2020 Catalog

