

BS in Engineering Physics

2021-2022 Catalog

Freshman Year

Semester 1

Semester 2

Sophomore Year

Semester 1

Semester 2

Junior Year

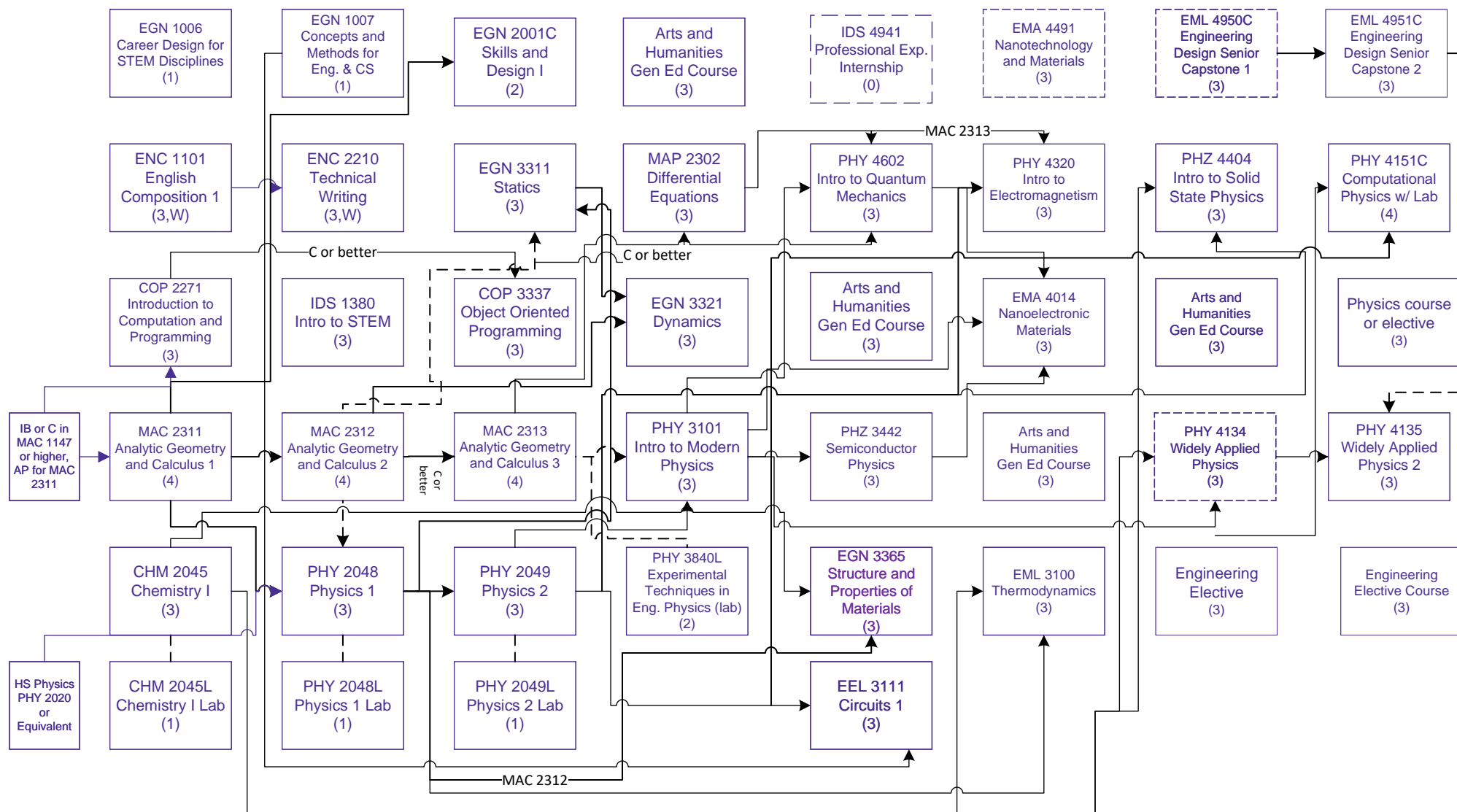
Semester 1

Semester 2

Senior Year

Semester 1

Semester 2



Legend:

Course Number
Course Name
(credit,
requirement met)

Program/
Concentration
Elective

General
Education or
Technical
Elective

Permission from
Dept. Chair,
Provost, or
Designee
Needed

Prerequisite

Co-requisite

Pre-Requisite OR Co-Requisite

Last Modified 3/2022

Program Electives

Engineering Electives

EMA 4614 Production of Electronic Materials (3, MAP 2302, PHY 2049)

EEL 3470 - Electromagnetic Fields and Applications (3, MAP 2302, PHY 2049, PHY 2049L)

Physics Elective Courses

PHZ 3361 - Radiation Detection and Measurement (3, PHY 2049, PHY 2049L, PHY 3101)

PHY 4424-Geometrical and Physical Optics (3, PHY 4323)

Arts, Humanities, and Social Sciences

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 of the following or more from Arts & Humanities required or Social Sciences:

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

Social Sciences

Required one (1) from the following:

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

Required one (1) from the following:

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

Total Program Credits: 120