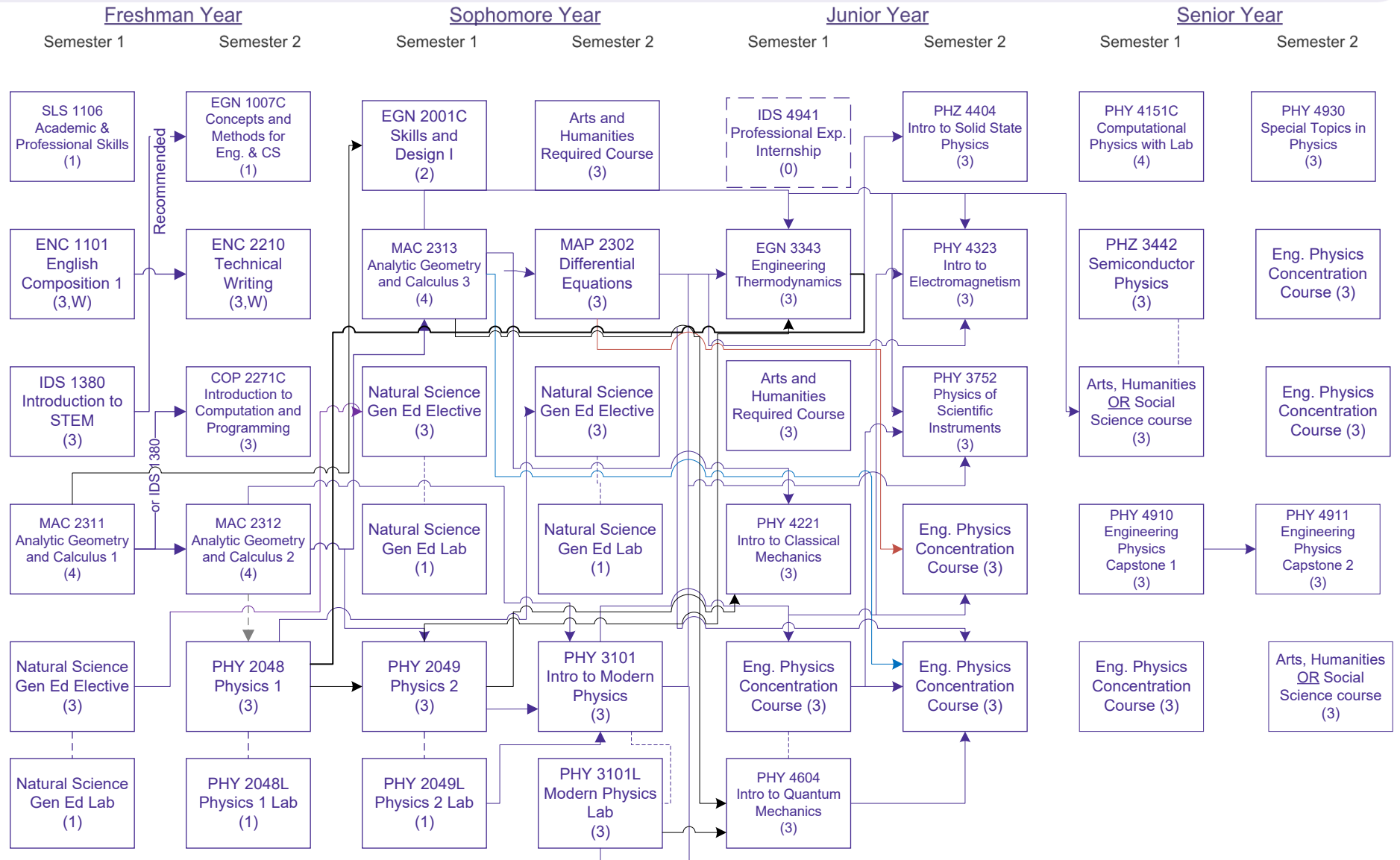
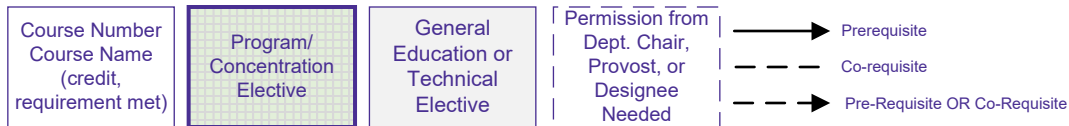


BS in Engineering Physics



It is recommended that COP 2271C should get taken during the freshman year, semester one and IDS 1380 should get taken during the freshman year, semester two

Legend:



Program/Concentration Electives

Arts, Humanities, and Social Sciences

Physics of Space

AST 3222 - Introduction to Astrophysics Credits: 3
AST 3271 - Astrophysics Laboratory Credits: 1
AST 4220 - Astrophysics 1 Credits: 3
AST 4221 - Astrophysics II Credits: 3
AST 4341 - Hydrodynamics and Plasma for Astrophysics 1 Credits: 3
AST 4402 - Galaxies and Cosmology Credits: 3
EML 3015 - Fluid Mechanics Credits: 3

Physics of Medicine

CHM 3217 - Organic Chemistry (One Semester) Credits: 3
CHM 3217L - Organic Chemistry Laboratory (One Semester) Credits: 1
CHM 3218 - Biochemistry (One Semester) Credits: 3
BME 3312 - Molecular and Cellular Engineering Credits: 3
PHZ 3361 - Radiation Detection and Measurement Credits: 3
PHZ 4702 - Biomedical Physics 1 Credits: 3
PHZ 4703 - Biomedical Physics 2 Credits: 3
Natural Science Elective

Physics of Energy and Sustainability

EEL 4283 - Renewable Energy Systems Credits: 3
EEL 3111C - Circuits 1 Credits: 4
EEL 3287 - Renewable Energy and Sustainability Credits: 3
EEL 3287L - Renewable Energy & Sustainability Lab Credits: 1
EML 3452 - Energy Conversion and Sustainability Credits: 3
EMA 4491 - Nanotechnology and Materials for Energy Storage and Generation Credits: 3
EMA 3530C - Introduction to Instrumentation and Characterization Credits: 3

Natural Science Elective Courses

BSC 1010 - Biology 1 Credits: 3
BSC 1010L - Biology 1 Laboratory Credits: 1
BSC 1011 - Biology 2 Credits: 3
BSC 1011L - Biology 2 Laboratory Credits: 1
CHM 2045 - Chemistry 1 Credits: 3
CHM 2045L - Chemistry 1 Laboratory Credits: 1
CHM 2046 - Chemistry 2 Credits: 3
CHM 2046L - Chemistry 2 Laboratory Credits: 1

NOTE: Students who choose to pursue Pre-Med will take all 16 credits of Natural Sciences, with 4 of those credits counted as a Concentration course.

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**

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