

Freshman Year

Sophomore Year

Junior Year

Senior Year

Semester 1

Semester 2

Semester 1

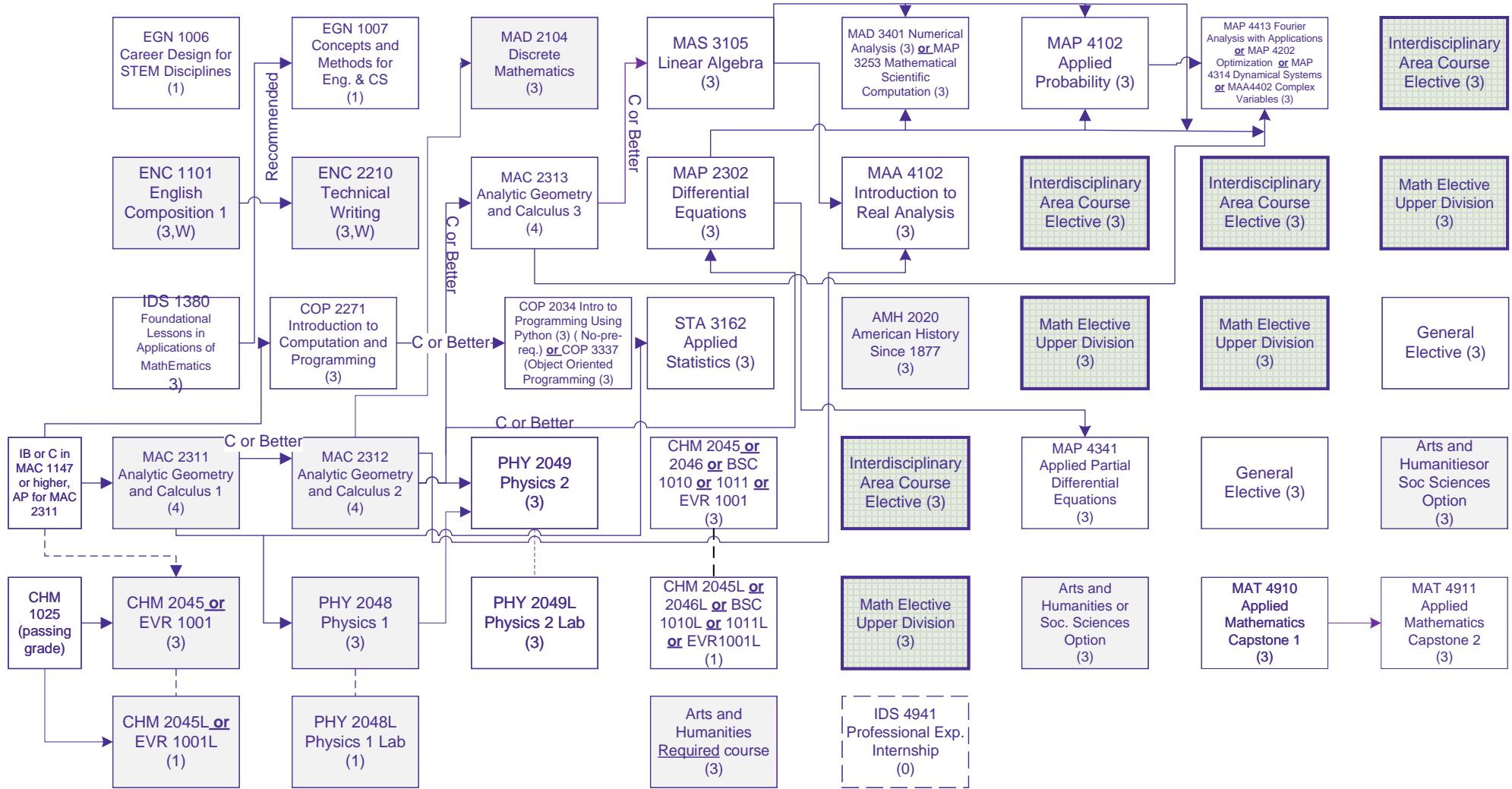
Semester 2

Semester 1

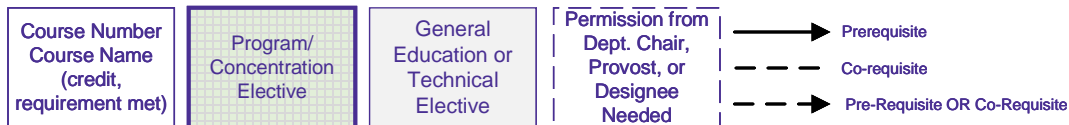
Semester 2

Semester 1

Semester 2



Legend:



Advanced Mathematics Course Lists

Upper Division Math Elective Courses

- STA 3032 - Probability and Statistics | Pre-req: MAC 2312 (grade of C or higher)
- STA 3036 - Probability and Statistics for Business, Data Science, and Economics | Pre-req: STA 2023, MAC 2311, COP 2073
- STA 3241 - Statistical Learning | Pre-req: STA 3036 or (MAS 3114 and STA 3032)
- STA 4853 - Time Series Analysis for Business, Data Science, and Economics | Pre-req: STA 3036
- MTG 4302 - Elements of Topology 1 | Pre-req: MAS 3105
- MTG 4303 - Elements of Topology 2 | Pre-req: MTG 4302
- MAS 3114 - Computational Linear Algebra | Pre-req: MAC 2312
- MAP 4484 - Mathematical Modeling in Biology I | Pre-req: MAP 2302 and MAS 3105
- MAP 4494 - Mathematical Modeling in Biology II | Pre-req: MAP 4484
- MAP 3305 - Engineering Mathematics 1 | Pre-req: MAC 2312, MAC 2254, or MAC 2282
- MAP 3930 - Special Topics Applied Mathematics | Pre-req: Department chair and instructor approval
- MAP 4306 - Engineering Mathematics II | Pre-req: MAP 3305
- MAP 4314 - Dynamical Systems | Pre-req: MAC 2313, MAP 2302, and MAS 3105
- MAD 3105 - Discrete Mathematics II | Pre-req: MAD 2104

General Education & Electives

Arts & Humanities

Select 3 to 6 credits from the following courses:

Required, one 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)
- MUL 2010 Music Appreciation (3)

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

Select 3 to 6 credits from the following courses. Three credits must come from a History course.

Required, one 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



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