

Freshman Year

Sophomore Year

Junior Year

Senior Year

Semester 1

Semester 2

Semester 1

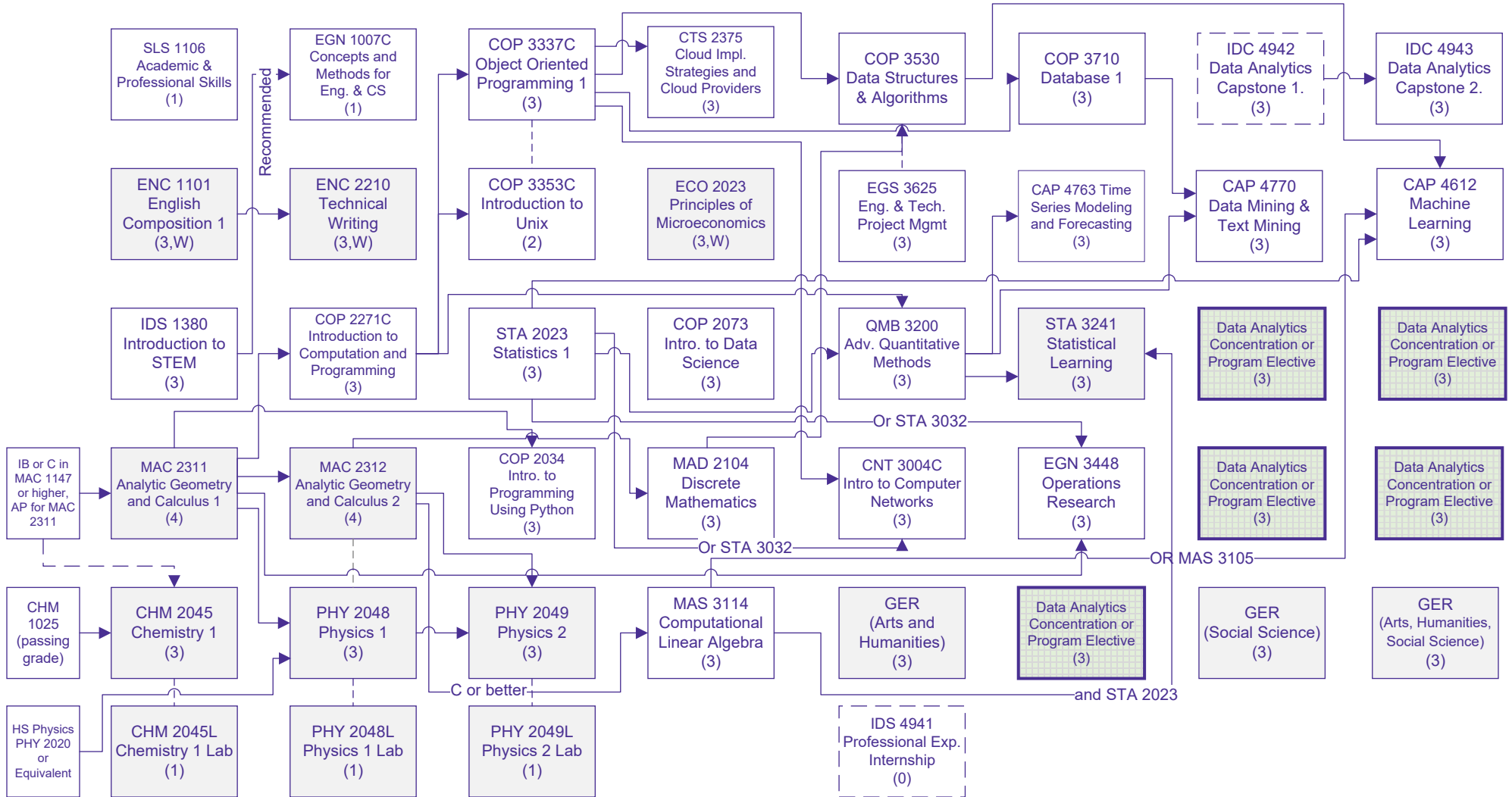
Semester 2

Semester 1

Semester 2

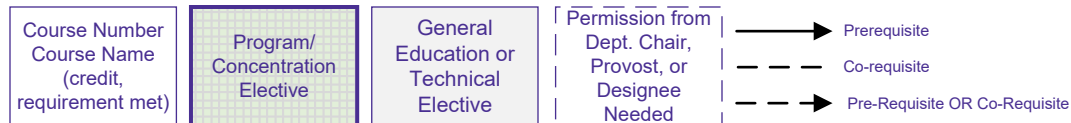
Semester 1

Semester 2



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

Big Data Analytics

- CAP 4786 Topics in Big Data Analytics (3, COP 3710, MAS 3114)
- COP 3729 Database 2 (3, COP 3710)
- CAP 3774 Data Warehousing (3, COP 3710)
- Data Science Elective

Health Systems Engineering

- HIM 3490 - Introduction to Health Systems Engineering Credits: 3
- HIM 3514 - Health Systems Modeling and Optimization Credits: 3
- HIM 3654 - Health Systems Implementation Credits: 3
- Other DSBA concentration course OR program elective

Intelligent Mobility

- ESI 3005 - Introduction to Networks and a Connected World Credits: 3
- or- CNT 3004C - Introduction to Computer Networks Credits: 3
- ESI 4011 - Data Analytics for Smart City & Transportation Credits: 3
- ESI 4513 - Intelligent Mobility Credits: 3

Select one course from the following:

- MAN 4593 - National Transportation Management Credits: 3
- MAN 4594 - Reverse Logistics Credits: 3
- AVM 3012 - Air Transportation and Operations Credits: 3

Quantitative Economic & Econometrics

- ECP 4044 - Economic Analysis for Technologists Credits: 3
- ECO 3930 - Special Topics Credits: 3
- Other Concentration course or program elective Credits: 3
- ECP 4031 - Benefit Cost Analysis Credits: 3
- or- CAP 4763 - Time Series Modeling and Forecasting Credits: 3
(students take whichever is not already required in the degree)

Data Science Program Electives

- CNT 3200 - Distributed Information Systems Credits: 3
- COP 3330C - Computer Programming 2 Credits: 3
- COP 4520 - Introduction to Parallel and Distributed Computing Credits: 3
- CAP 4793 - Advanced Data Science Credits: 3
- ENT 2112 - Entrepreneurial Opportunity Analysis Credits: 3

Data Science Program Electives (Continued)

- HIM 4654 - Implementation of EHR/EMR and Clinical Support Methods Credits: 3
- HIM 4016 - Policy Issues in Health Informatics Credits: 3
- CAP 4630 - Artificial Intelligence Credits: 3
- EGN 3466 - Discrete Event Simulation Credits: 3
- CNT 4403 - Data Security Credits: 3
- CEN 4010 - Software Engineering Credits: 3
- CAP 4410 - Computer Vision Credits: 3

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)
- 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 2010 American History Since 1877 (3-W-Civic Literacy)
- PSY 2012 General Psychology (3-W)
- ECO 2013 Principles of Macroeconomics (3-W)

Required one (1) from the following:

- AMH 2020 American History to 1877 (3-W)
- AMH 2930 Special Topics (1 to 3-W)
- ECO 2023 Principles of Microeconomics (3-W); Already in plan of study

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](#)

BS in Data Science Concentration: Big Data Analytics

2019-2020 Catalog

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Semester 1

Semester 2

Semester 1

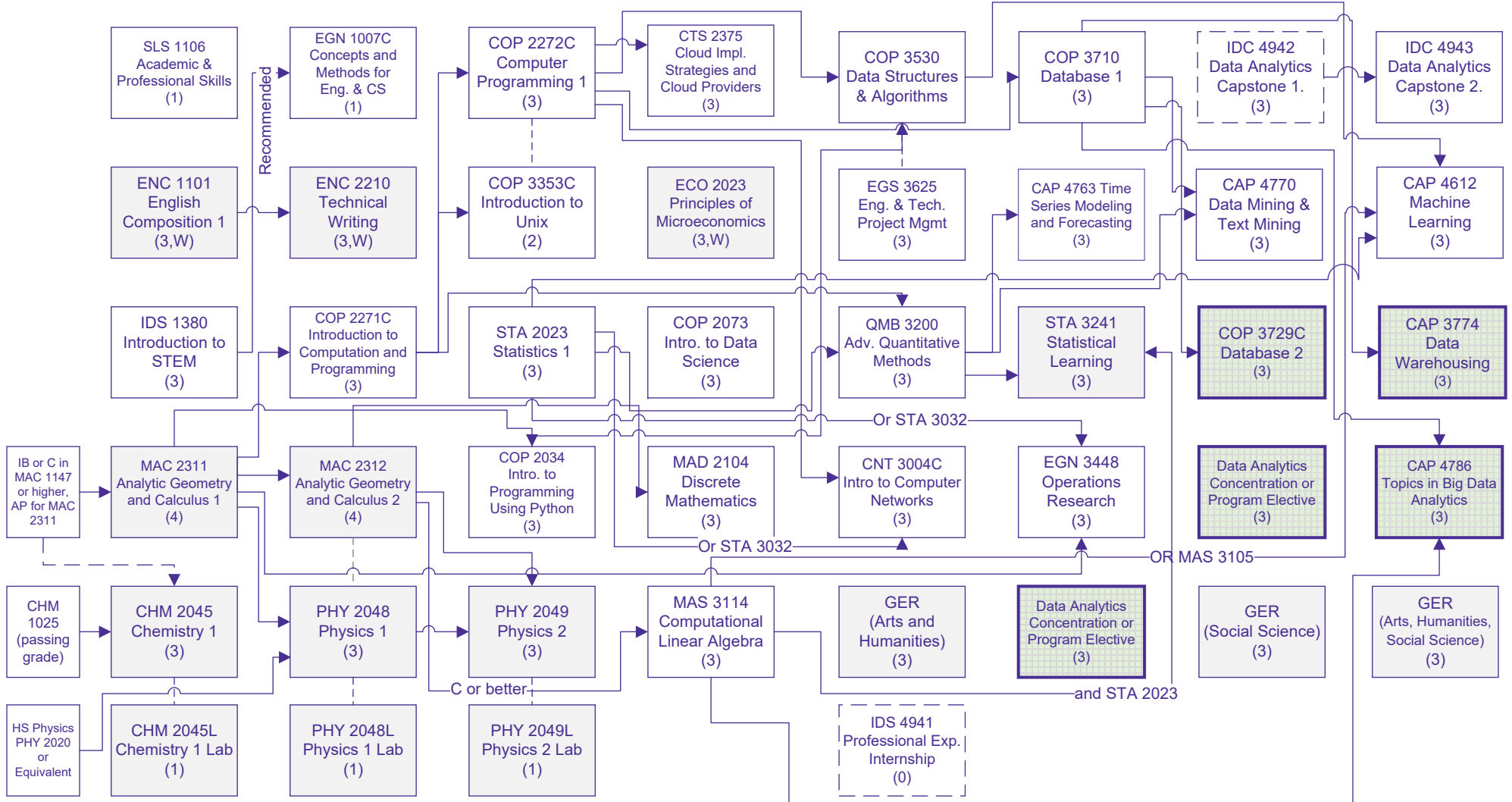
Semester 2

Semester 1

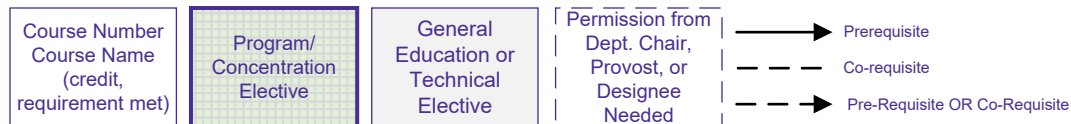
Semester 2

Semester 1

Semester 2



Legend:



BS in Data Science Concentration: Health Informatics

2019-2020 Catalog

Freshman Year

Semester 1

Semester 2

Sophomore Year

Semester 1

Semester 2

Junior Year

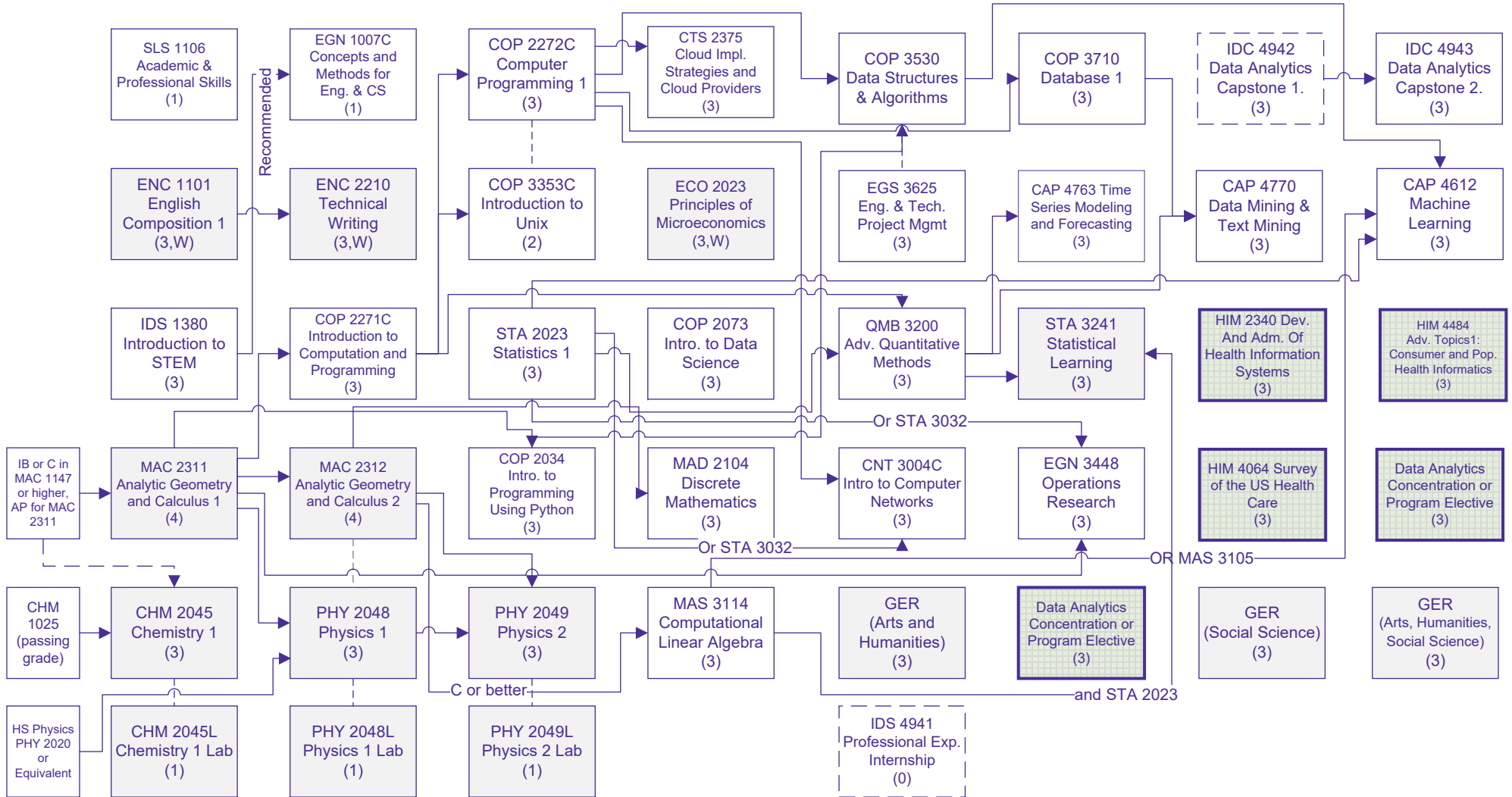
Semester 1

Semester 2

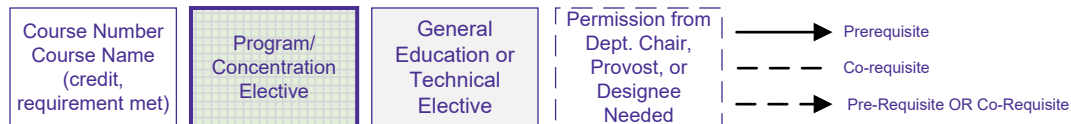
Senior Year

Semester 1

Semester 2



Legend:



BS in Data Science Concentration: Intelligent Mobility

Freshman Year

Sophomore Year

Junior Year

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Semester 1

Semester 2

Semester 1

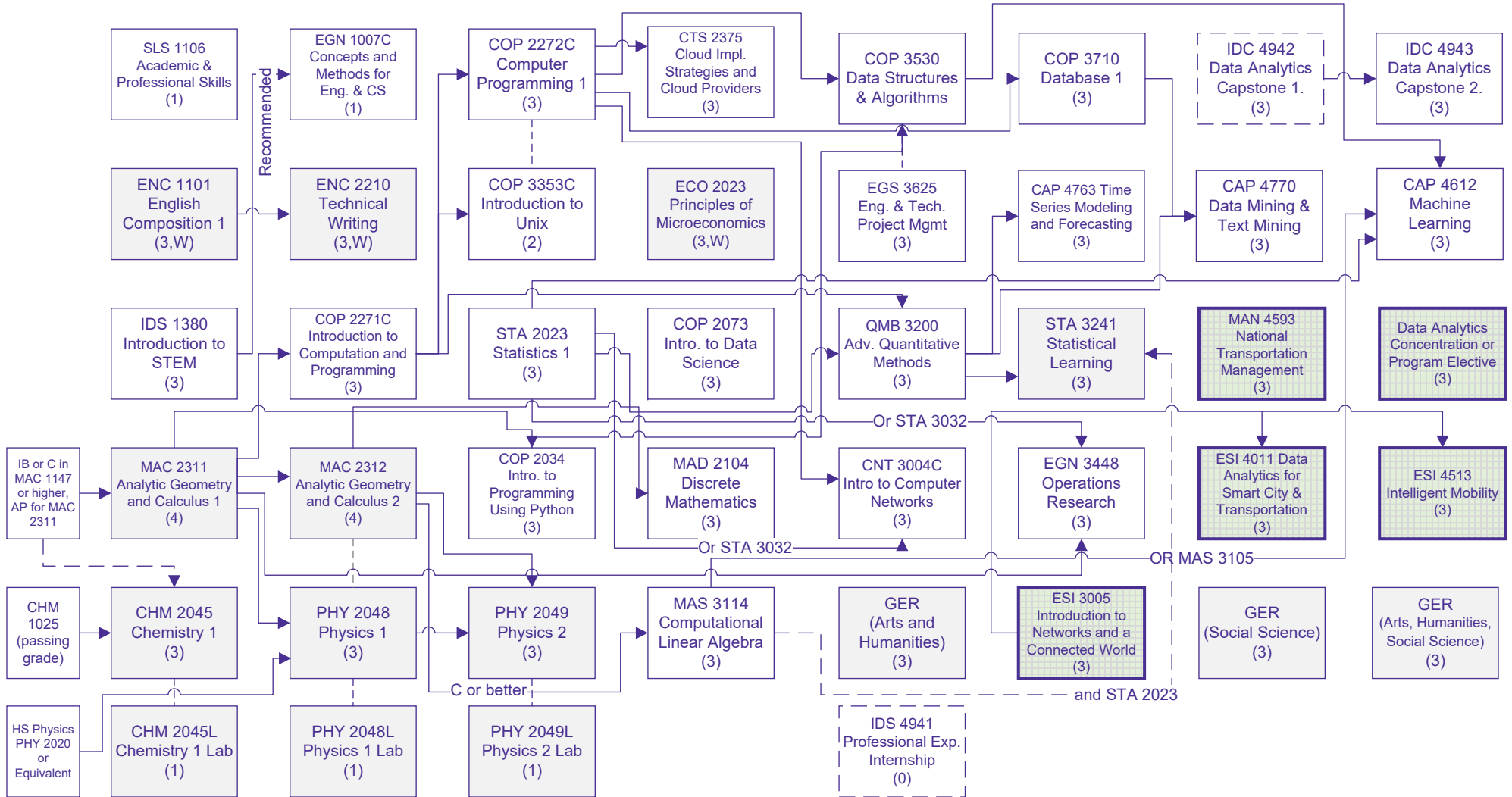
Semester 2

Semester 1

Semester 2

Semester 1

Semester 2



Legend:



BS in Data Science

Concentration: Quantitative Economics and Econometrics

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Semester 1

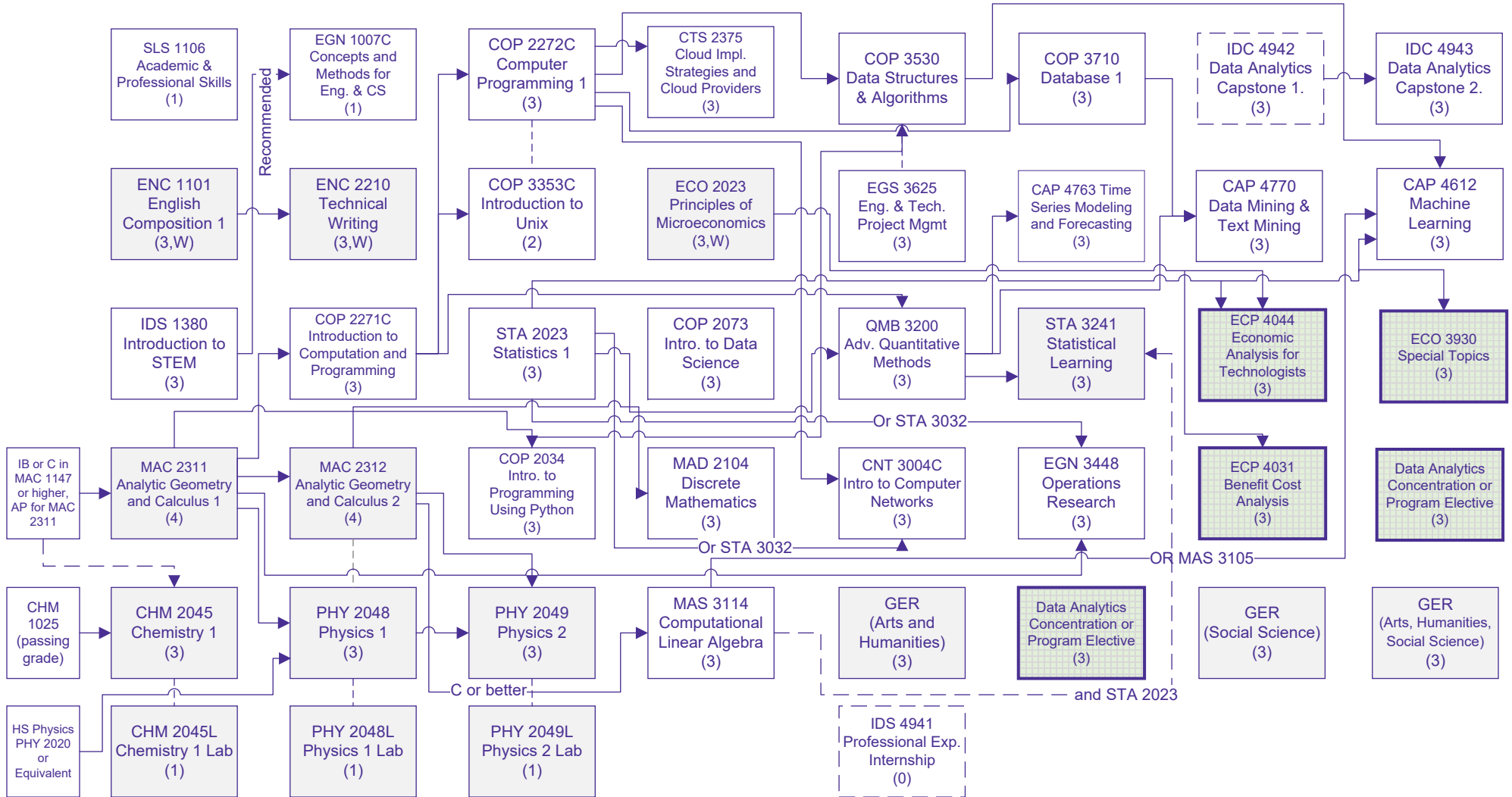
Semester 2

Semester 1

Semester 2

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