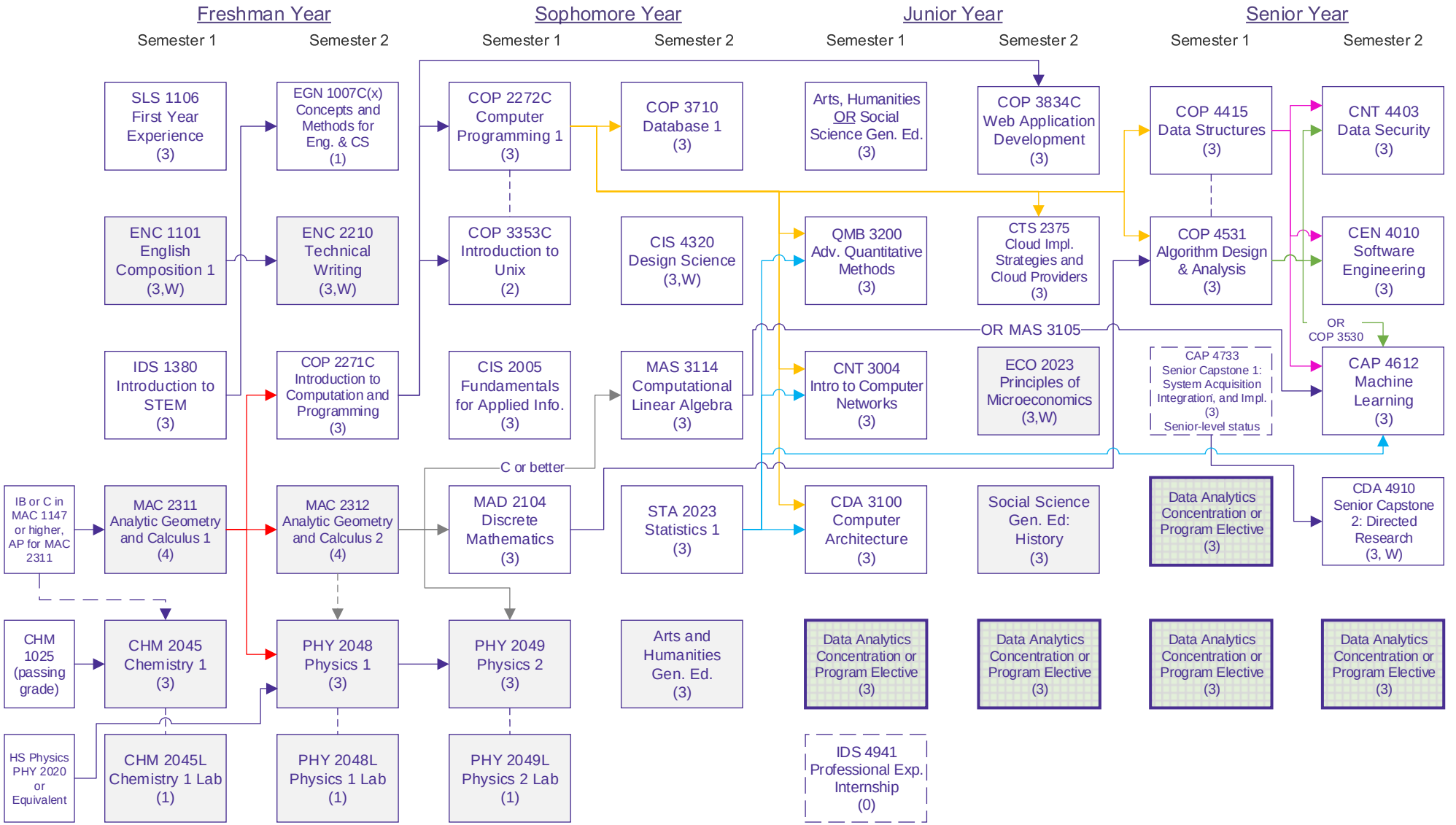
BS in Data Analytics

2017-2018 Catalog



Legend:

- Course Number Course Name (credit, requirement met)
- Program/ Concentration Elective
- General Education or Technical Elective
- Permission from APC, Provost, or Designee Needed
- Prerequisite
- Co-requisite
- Pre-Requisite OR Co-Requisite

FLORIDAPOLY

Last Modified 11/2017

BS in Data Analytics
Program/Concentration Electives & General Education

2017-2018 Catalog

Program/Concentration Electives

Advanced Topics

Choose 12 credits: any combination of concentration courses from Big Data Analytics, Cloud Virtualization, Health Informatics, or Data Analytics program electives.

Big Data Analytics

- CAP 3774 Data Warehousing (3, COP 4415, COP 4531)
- CAP 4770 Data Mining & Text Mining (3, COP 3710, QMB 3200)
- CIS 3301 Business Intelligence (3, COP 3710, QMB 3200)
- COP 3729C Database 2 (3, COP 3710)

Cloud Virtualization

- CDA 4332 System Architecture (3, CTS 2375, COP 3710, CNT 3502, OR CNT 3004C)
- CEN 4083 Adv. Concepts in Virtualization (3, Junior Standing, COP 4610)
- CNT 3200 Distributed Information Systems (3, COP 3710)
- COP 4610 Operating Systems Concepts (3, EEL 4768C OR CDA 3100)

Health Informatics

- HIM 2340 Development and Administration of Health Information Systems (3)
- HIM 3626 Empirical Methods in Health Informatics (3, MAD 2104, QMB 3200)
- HIM 4064 Survey of the US Health Care System (3)
- HIM 4484 Adv. Topics 1: Consumer and Population Health Informatics (3, HIM 4064)

Data Analytics (Program Electives)

- CNT 3200 Distributed Information Systems (3, COP 3710)
- COP 3330C Computer Programming 2 (3, COP 2272C)
- COP 4520 Intro. to Parallel and Distributed Computing (3, EEL 3768C OR CDA 3100, COP 4415, COP 4531)
- ECP 4031 Benefit Cost Analysis (3, ECO 2023)
- EGS 3625 Engineering & Technology Project Mgmt. (3)
- ENT 2112 Entrepreneurial Opportunity Analysis (3)
- HIM 4654 Imp. of EHR/EMR and Clinical Support Methods (3, CIS 2005, COP 3710)
- HIM 4016 Policy Issues in Health Informatics (3, HIM 3626)

General Education

Arts & Humanities

Select three (3) to six (6) credits from the following:

- ARH 2000 Art Appreciation (3-W)
- PHI 2010 Introduction to Philosophy (3-W)
- IDS 2144 Legal, Ethical, and Mgmt. Issues in Technology (3)

Social Sciences

Six (6) credits required as noted below. Data Analytics majors may take up to nine (9) credits in Social Sciences.

Required for DA Majors:

- ECO 2013 Principles of Macroeconomics (3)

Required, one from the following:

- AMH 2010 American History to 1877 (3-W)
- AMH 2020 American History Since 1877 (3-W)
- AMH 2930 Special Topics in American History (3-W)

Additional available credits, OR another history, OR another Arts and Humanities:

- PSY 2012 General Psychology (3-W)

Total Program Credits: 120

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

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