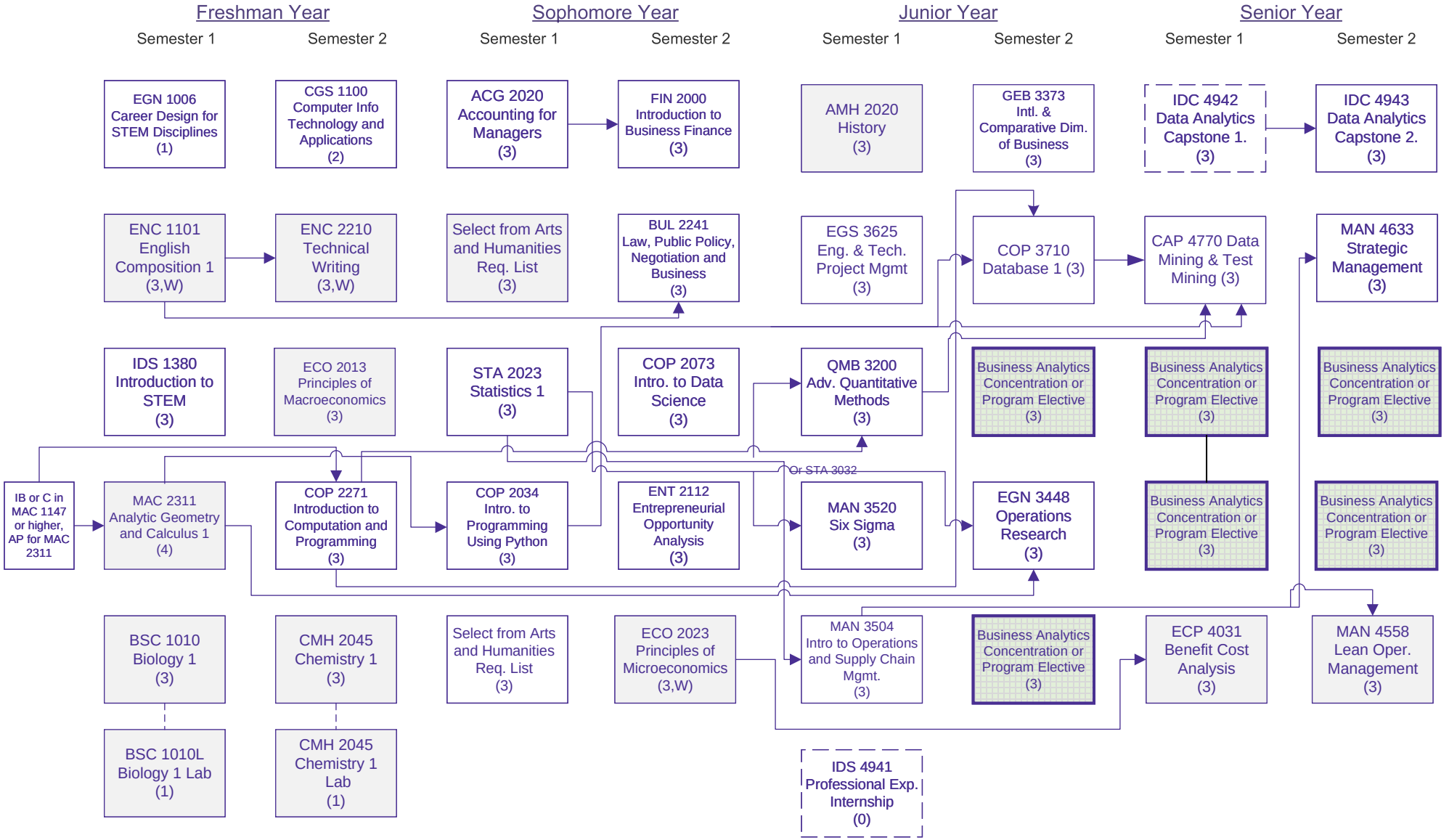
BS in Business Analytics

2021-2022 Catalog



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

FLORIDAPOLY

Last Modified 03/2022

BS in Business Analytics
Program/Concentration Electives and General Education

Program/Concentration Electives

Logistics and Supply Chain Management

- MAN 3570 - Purchasing and Materials Management (3)
- MAN 3610 - Global Logistics Management (3)
- MAN 4594 - Reverse Logistics (3, MAN 2591 or MAN 3504), EGN 3448)

-or-

- ENV 4610 - Sustainable Logistics (3)

Select one course from the following:

- MAN 4522 - Planning and Control Systems for Supply Chain Management (3, MAN 2591 or MAN 3504)
- MAN 4593 - National Transportation Management (3, COP 2271C)
- AVM 3012 - Air Transportation and Operations (3, MAN 2591 or MAN 3504)
- EGN 3466 - Discrete Event Simulation (3, (STA 2023 or STA 3032), COP 2271C)

Health Systems Engineering

- HIM 3490 - Introduction to Health Systems Engineering (3, MAC 2311, STA 2023)
- HIM 3514 - Health Systems Modeling and Optimization (3, MAC 2311, STA 2023)
- HIM 3654 - Health Systems Implementation (3, HIM 3930, HIM 3514)
- Other DSBA concentration course OR program elective

Intelligent Mobility

- ESI 3005 - Introduction to Networks and a Connected World (3, COP 2271C, (STA 2032 or STA 2023)
- -or- CNT 3004C - Introduction to Computer Networks (3, COP 3337C, (STA 2023 or STA 3032)
- ESI 4011 - Data Analytics for Smart City & Transportation (3, ESI 3005 or CNT 3004C)
- ESI 4513 - Intelligent Mobility (3, COP 2271C)

- Select one course from the following:
- MAN 4593 - National Transportation Management (3, COP 2271C)
- MAN 4594 - Reverse Logistics (3, (MAN 2591 or MAN 3504), EGN 3448)
- AVM 3012 - Air Transportation and Operations (3, MAN 2591 or MAN 3504)

Quantitative Economic & Econometrics

- ECO 4400 - Game Theory and Strategic Decisions (3, MAC 2311, STA 2023)
- ECO 4422 - Econometrics: Causal Inference, Panel and Survey Data (3, STA 3036)
- ECP 3004 - Contemporary Economic Issues (3, ECO 2023 or ECO 2013, STA 2023, MAC 2311)
- ECP 4044 - Economic Analysis for Technologists (3, ECO 2023, MAC 2311, STA 2023)

Business Analytics Program Electives

- STA 3241 - Statistical Learning (3, QMB 3200 or (MAS 3114 & STA 2023)
- CNT 3200 - Distributed Information Systems (3, COP 3710)
- AVM 3012 - Air Transportation and Operations (3, MAN 2591 or MAN 3504)
- COP 3330C - Computer Programming 2 (3, COP 3337C)
- COP 3834C - Web Application Development (3, COP 2271C)
- ENV 4610 - Sustainable Logistics (3)
- MAC 2312 - Analytic Geometry and Calculus 2 (4, MAC 2311)
- MAN 3613 - Supply Chain Risk Management (3, MAN 2591 or MAN 3504)
- HIM 4016 - Policy Issues in Health Informatics (3)
- HIM 4654 - Implementation of EHR/EMR and Clinical Support Methods (3, COP 3710)
- EGN 3466 - Discrete Event Simulation (STA 2023 or STA 3032), COP 2271C)

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

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