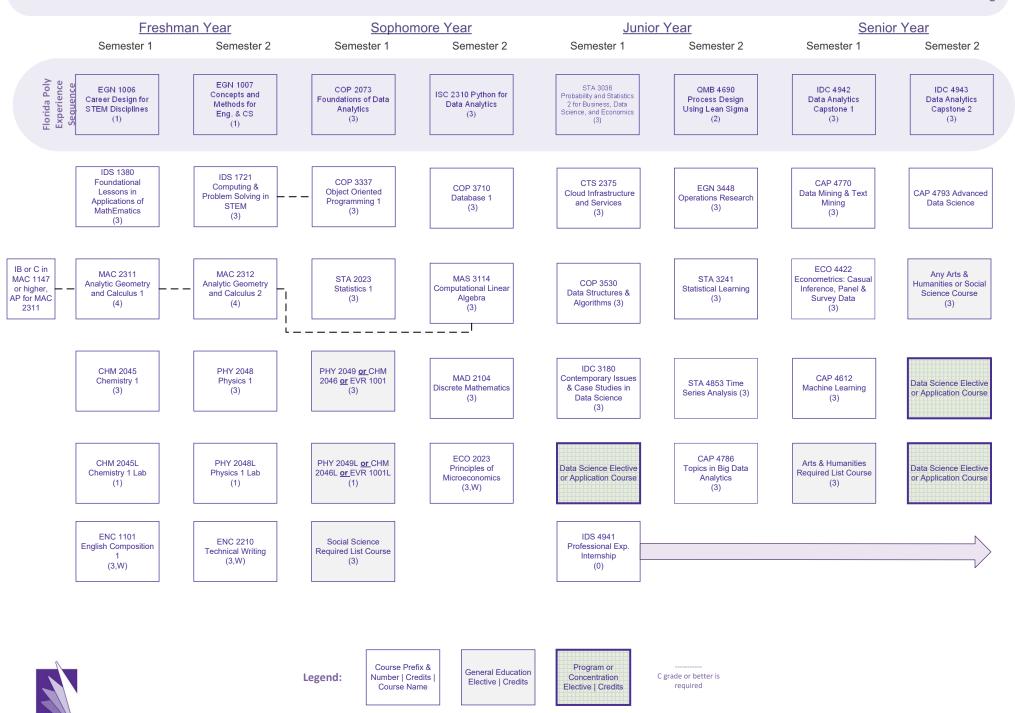
# **BS in Data Science**

2024-2025 Catalog



FI ORIDA**POLY** 

Last Modified 06/13/2024

# BS in Data Science Program/Concentration Electives and General Education

## **Application Area Electives**

Choose six credits from the list below.

- ECP 3004 Contemporary Economic Issues Credits: 3
- MAR 4705 Marketing Analytics Credits: 3
- ESI 4011 Data Analytics for Smart City & Transportation Credits: 3
- FIN 4501 Investment, Financial Modeling and Analytics Credits: 3

## **Data Science Program Electives**

Choose three credits from the list below or from available concentration courses.

- CAI 4304 Natural Language Processing Credits: 3
- CAP 4410 Computer Vision Credits: 3
- CAP 4630 Artificial Intelligence Credits: 3
- CAP 4613 Applied Deep Learning Credits: 3
- ENT 2112 Entrepreneurial Opportunity Analysis Credits: 3
- ECP 4031 Benefit Cost Analysis Credits: 3
- EGS 3625 Engineering & Technology Project Management Credits: 3
- ECO 4400 Game Theory and Strategic Decisions Credits: 3
- CEN 4721 Human Computer Interaction Credits: 3
- COP 4520 Introduction to Parallel and Distributed Computing Credits: 3
- CEN 4033 Secure Software Engineering Credits: 3
- CNT 4403 Data Security Credits: 3

## Arts, Humanities, and Social Sciences

#### Arts & Humanities

A total of 12 credit hours must be completed in the arts, humanities, and social sciences. Three to six credits, as noted below, must be taken in Art and Humanities.

# Atleast one course (3 credits) from the following state required list:

- ARH 2000 Art Appreciation Credits: 3
- LIT 2000 Introduction to Literature Credits: 3
- HUM 2020 Introduction to the Humanities Credits: 3
- PHI 2010 Introduction to Philosophy Credits: 3
- MUL 2010 Music Appreciation Credits: 3

#### Optional additional course elective:

- IDS 2144 Legal, Ethical, and Management Issues in Technology Credits: 3
- HUM 2022 Explorations in the Humanities Credits: 3

#### Social Sciences

A total of 12 credit hours must be completed in the arts, humanities, and social sciences. Six to nine credits, as noted below, must be taken in Social Sciences.

#### **Required for DS majors:**

ECO 2023 - Principles of Microeconomics Credits: 3

At least one course (3 credits) from the following state required list:

- AMH 2010 American History to 1877 Credits: 3
- AMH 2020 American History Since 1877 Credits: 3
- ECO 2013 Principles of Macroeconomics Credits: 3
- POS 2041 American Government Credits: 3
- PSY 2012 General Psychology Credits: 3

