# Pre-Business (2023-2024) Data Science and Analytics Program with Business Concentration (BS)

## Foundations of Written Communication
(6 credit hours required – Writing Across the Curriculum - WAC)
Grade of “C” or higher is required in each course.
n____ ENC 1101 .......... College Writing I (Required for all majors)
n____ ENC 1102 .......... College Writing II +
THE FOLLOWING COURSES BELOW MAY BE SUBSTITUTED FOR ENC 1102:
n____ ENC 1939 + .......... Special Topic: College Writing
n____ HIS 2050 + .......... Writing History

*Note:* Students must take four Writing-Across-the-Curriculum (WAC) courses, two of which must be taken from Foundations of Written Communication.

## Foundations of Mathematics & Quantitative Reasoning
(6 credit hours required – Grade of “C” or higher is required)
Student must take 2 of the following courses, 1 must be from group A. The second course may be from group A or group B.

**Group A**
n____ MGF 1106 .......... Math for Liberal Arts 1
n____ MGF 1107 .......... Math for Liberal Arts 2
n____ MAC 1105 .......... College Algebra
n____ STA 2023 ............. Introductory Statistics (REQUIRED)
____ MAC 2311 .......... Calculus with Analytic Geometry 1 (4 credits)
or any mathematics course for which one of the above courses is the direct prerequisite

**Group B**
n____ MAC 1147 .......... Precalculus Algebra & Trigonometry (4 credits)
n____ MAC 2210 .......... Intro Calculus w/Applications (4 credits) (Permit Only)
____ MAC 2233 .......... Methods of Calculus
____ MAC 2241 .......... Life Science Calculus 1 (4 credits)
____ MAC 2312 .......... Calculus with Analytic Geometry 2 (4 credits)

(Choose one MAC or MGF course in addition to STA 2023)

## Foundations of Science & the Natural World
(6 credit hours required - One of the courses must have a lab)
Student must take 2 of the following courses, 1 must be from group A. The second course may be from group A or group B.

**Group A**
n____ AST 2002 ............... Intro. to Astronomy
n____ BSC 1005 & L .......... Life Science (3 cr. w/Lab)
____ CHM 1020C ............ Contemp. Chemical Issues
____ ESC 2000 ............... The Blue Planet (online course)
____ EVR 1001 ............... Env. Sci. and Sustainability

**Group B**
n____ ANT 2511 & L ............ Intro to Biological Anthropology (4 cr. w/ Lab)
____ ETG 2831 ............... Nature: Inter. of Sci., Eng., & the Humanities
____ GLY 2010C & D .......... Physical Geology (4 cr. w/Lab)
____ GLY 2100 .......... History of Earth and Life
____ IDS 2382 ............... Human Mission to Mars
____ MET 2010 ............... Weather, Climate and Climate Change
____ PSC 2121 ............... Physical Science

## Foundations of Society & Human Behavior
(6 credit hours required)
Student must take 2 of the following courses, 1 must be from group A. The second course may be from group A or group B. Grade of “C” or higher is required in ALL Pre-business courses.

**Group A**
n____ AMH 2020 & D .......... United States History Since 1877 ◊
____ ANT 2000 & D .......... Introduction to Anthropology (WAC)
____ ECO 2013 .......... Macroeconomic Principles
____ POS 2041 .......... Government of the United States ◊
____ PSY 1012 .......... Introduction to Psychology
____ SYG 1000 .......... Sociological Perspectives

**Group B**
n____ AMH 2010 & D ...... United States History to 1877
____ CCJ 2002 .......... Law, Crime & the Criminal Justice System ±
____ DIG 2202 .......... Digital Culture
____ ECO 2023 .......... Microeconomic Principles
____ ECP 2002 .......... Contemporary Economic Issues
____ EEX 2091 .......... Disability and Society
____ EVR 1110 .......... Climate Change: The Human Dimensions
____ EVR 2017 .......... Environment and Society
____ LIN 2001 .......... Introduction to Language (online course)
____ PAD 2081 .......... Risk Resilience and Rising Seas ±
____ PAD 2258 .......... Changing Environment of Soc., Bus., & Gov’t
____ SYG 2010 .......... Social Problems
____ URP 2051 .......... Designing the City

(D) = Discussion, (L) = Lab

Courses indicating a (D) or (L) are linked with a lecture, a lab, and/or a discussion. If you select one of these courses, you must register for the lecture, lab, and/or discussion. You must attend the lecture, lab, and/or discussion.
FOUNDATIONS IN GLOBAL CITIZENSHIP  
(6 credit hours required)
Student must choose two (2) courses from among the following:

___ ANT 2410 .................. Culture and Society
___ EDF 2854 .................. Educated Citizen in Global Context
___ GEA 2000 ................. World Geography
___ INR 2002 .................. Introduction to World Politics
___ JST 2452 .................. Global Jewish Communities
___ LAS 2000 .................. Intro to Caribbean & Latin American Studies
___ LIN 2607 ................. Global Perspectives on Language
___ MUH 2121 ............... Music in Global Society
___ POT 2000 ................ Global Political Theory
___ SOW 1005 ............... Global Perspectives of Social Services
___ SOW 1130 ............. Race and Cultural Inclusion in Social Work
___ WOH 2012 & D ....... History of Civilization 1 (WAC) ++
___ WOH 2022 ............. History of Civilization 2
___ WST 2351 .............. Gender and Climate Change

FOUNDATIONS OF HUMANITIES  
(6 credit hours required)
Student must take 2 of the following courses, 1 must be from group A. The second course may be from group A or group B.

**Group A**

___ ARH 2000 ............ Art Appreciation
___ MUL 2010 ............ Music Appreciation
___ PHI 2010 & D ....... Introduction to Philosophy (WAC) ++
___ THE 2000 ............ Theatre Appreciation

**Group B**

___ ARC 2208 ............ Culture & Architecture
___ DAN 2100 ............. Appreciation of Dance
___ FIL 2000 & D ........ Film Appreciation
___ HUM 2471 ............ Racism and Anti-Racism ±
___ LIT 2010 ............. Interpretation of Fiction (WAC) ++
___ LIT 2030 ............. Interpretation of Poetry (WAC) ++
___ LIT 2040 ............. Interpretation of Drama (WAC) ++
___ LIT 2070 ............. Interpretation of Creative Nonfiction (WAC) ++
___ LIT 2100 ............. Introduction to World Literature
___ LIT 2931 ............. Special Topics in Literature (WAC) ++ Ω
___ SPC 2608 .............. Public Speaking ±

WRITING ACROSS THE CURRICULUM (WAC)
Students must take four (4) WAC courses. Must earn a "C" or better.
**Required:** ENC1101 & ENC1102 or allowable substitute.
**Recommended:** One (1) WAC from the Global Citizenship Category or one (1) WAC from the Humanities Category. (See note below) **
Additional WAC courses may be available. Please speak with your advisor.

NOTE: Honors Seminars SHALL BE ACCEPTED AS MEETING THE WAC REQUIREMENT. See University Advising Services for details.

Credit Summary

36 Credits  Intellectual Foundations Program
24 Credits  Free Electives
12 Credits  Additional Major Requirements ("C" GRADE OR BETTER REQUIRED)

___ CAP 2751  Tools for Data Science Only offered in Fall
___ MAP 2192  Math for Data Science Offered in Fall and Spring
___ CAP 2753  Experimental Design and Data Analysis Only offered in Spring

48 Credits  Upper-Division Coursework
120 Credits  TOTAL

NOTE: See the catalog for specific requirements, course descriptions, and additional information. The requirements for some core curriculum & other courses may be satisfied by passing the appropriate AP or CLEP exam -- check with your advisor and college. Students who come with less than 60 credit hours must complete 9 credit hours of summer coursework either at FAU or another State University System Institution.

Available Business Majors

- Accounting
- Data Science and Analytics
- Economics (Option in Business Economics or General Economics)
- Finance
- Health Administration
- Hospitality Management
- International Business
- General Business
- Management (Options in Leadership or Entrepreneurship)
- Management Information Systems (Options in Information Technology, or Information and Knowledge Management)
- Marketing (Options in General Marketing or Advertising)

Legend

+  - ENC 1101 is a prerequisite.
++ - Two Foundations of Written Communications classes are required before taking this course.
§  - Sophomore standing (30 credits earned) is a requirement to take this course.
±  - Starting Spring 2022 and afterwards.
Ω  - Starting Spring 2023
◊  - Florida Legislature requires students to complete both a civic literacy course (AMH 2020 or POS 2041) and an assessment exam.
WAC  - (WAC) Writing across the curriculum course.