

Florida Atlantic University - Data Science Analytics (Science) 2026-2027

Students must take 2 of the following courses, 1 must be from group A. The second course may be in group A or group B.

I. Communication

(Group A)

ENC 1101 College Writing I **(WAC)**

Students must complete ENC 1101 and ENC 1102 (or one of the approved substitutes for ENC 1102) with a grade of "C" or higher in each course.

(Group B)

ENC 1102 College Writing II **(WAC)** +

ENC 2135 Research and the Writing Process **(WAC)** + **Ω**

HIS 2050 Writing History **(WAC)** +

SPC 2608 Public Speaking (non-WAC) **non-substitute**

II. Humanities

(Group A)

ARH 2000 Art Appreciation

HUM 2020 Introduction to Humanities

LIT 2000 Introduction to Literature **(WAC)**

MUL 2010 Music Appreciation

PHI 2010 & D Introduction to Philosophy **(WAC)** ++

THE 2000 Theatre Appreciation

(Group B)

ARC 2208 Culture & Architecture

ARH 2050 History of Art 1

ARH 2051 History of Art 2

DAN 2100 Appreciation of Dance

FIL 2000 & D Film Appreciation

LIN 2607 Perspectives on Language

LIT 2010 Interpretation of Fiction **(WAC)** ++

LIT 2030 Interpretation of Poetry **(WAC)** ++

LIT 2040 Interpretation of Drama **(WAC)** ++

LIT 2070 Interp. of Creative Nonfiction **(WAC)** ++

LIT 2100 Introduction to World Literature

MUH 2121 World Music

SPT 2530 Hispanic Culture and Civilization

WOH 2012 & D History of Civilization 1 **(WAC)** ++

WOH 2022 History of Civilization 2

III. Mathematics

(Group A)

MAC 1105 College Algebra

MAC 2311 Calc. w/Analytic Geom. 1 (4 cr.) **(Required)**

MGF 1130 Mathematical Thinking in Context 1

STA 2023 Introductory Statistics **(Required)**

Or any mathematics course for which one of the above general education core course options in Mathematics is the direct prerequisite.

(Group B)

COP 1031C Comp. Prog. & Data Literacy for Everyone
(For Non-College Engineering & Computer Science majors)

MAC 1114 Trigonometry #

MAC 1140 Precalculus Algebra #

MAC 1147 Precalculus Algebra & Trigonometry (4 cr.)

MAC 2210 Intro Calculus w/App. (4 cr.) **(Permit Only)**

MAC 2233 Methods of Calculus

MAC 2312 Calculus with Analytic Geometry 2 (4 cr.)

MAP 2491 Mathematics for Biological Sciences 1

MGF 1131 Mathematical Thinking in Context 2

PHI 2102 Logic

IV. Natural Science

(Group A)

AST 2002 Introduction to Astronomy

BSC 1005 & L Life Science (3 cr. w/Lab)

CHM 1020C Contemporary Chemical Issues

ESC 2000 The Blue Planet (online)

EVR 1001 Environmental Science and Sustainability

GLY 2010C & D Phys. Geol/Evolution of the Earth (4 cr. w/Lab)

OCE 2001 Introduction to Oceanography #

***** For Science Majors Below *****

BSC 1010 & L Biological Principles (4 cr. w/Lab)

BSC 2085 & L Anatomy & Physiology 1 (4 cr. w/Lab)

CHM 2045 & L General Chemistry 1 (4 cr. w/Lab) ‡

PHY 2048 & L General Physics 1 (5 cr. w/Lab) *

PHY 2053 & L College Physics 1 (5 cr. w/Lab) **

Or any course in the Natural Science for which one of the above general education core course options in Natural Science is the direct prerequisite. NOTE: at least one course must have a lab from Group A or B.

(Group B)

ANT 2511 & L Intro to Biological Anthropology (4 cr. w/Lab)

ETG 2831 Nature: Inter. of Sci., Eng., & the Humanities

GLY 2100 History of Earth and Life

IDS 2382 Human Mission to Mars

MET 2010 Introduction to Weather and Climate

PSC 2121 Physical Science

***** For Science Majors Below *****

BSC 1011 & L Biodiversity (4 cr. w/Lab)

CHM 2032 & L Chemistry for the Health Sci. (4 cr. w/Lab)

V. Social Sciences

(Group A)

AMH 2010 & D United States History to 1877 ♦

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

(Group B)

ANT 2100 Introduction to Archaeology **Ω**

CCJ 2002 Law, Crime & the Criminal Justice System

ECO 2023 Microeconomic Principles

EME 2620 Digital Literacy

EVR 1110 Human Dimensions of Environmental Change

EVR 2017 Environment and Society

GEA 2000 World Geography

INR 2002 Introduction to World Politics

LIN 2001 Introduction to Language (online)

PAD 2081 Risk & Resilience to Natural Hazards

POT 2000 Global Political Theory

SOW 1005 Perspectives of Social Services

SYG 1000 Sociological Perspectives

SYO 2101 Families in the United States **Ω**

URP 2051 Designing the City

VI. Additional Enrichment

Choose 6 credits from Humanities, Social Science, Communication, or Natural Science subject areas.

(1) _____ (2) _____

LEGEND

- + ENC 1101 is a prerequisite
- ++ Two Communication courses are required before taking this course.
- § Reserved for Wilkes Honors College & University Honors Program students only.
- 🌀 Offered starting Fall 2026.
- 💎 Please visit FAU's website regarding the Civic Literacy Requirements.
(<https://www.fau.edu/ugstudies/civic-literacy-requirement/>)
- ‡ Co-requisite of MAC 1105 or a prerequisite of CHM 1025.
- * MAC 2311 is a prerequisite for this course.
- ** MAC 2233 is a prerequisite for this course. If a lab is needed, then take General Physics 1 lab (PHY 2048L).
- (R) – Recommended
- (SR) – Strongly Recommended
- # The following courses are not offered at FAU but will fulfill this requirement if transferred from another school.
- WAC** - Writing Across the Curriculum course – minimum grade of “C” required. Students must take four WAC courses.

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

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.

CREDIT SUMMARY

37 cr.	General Education
48 cr.	Additional Major Requirements
9 cr.	Upper Division Electives
26 cr.	Free Electives
120 credits	TOTAL (42 credits at upper division minimum)

NOTE: Numbers are based on common course selection. Please consult your advisor.

The Major in Data Science and Analytics:

1. 42 credits minimum of upper division coursework
2. **Students must get a "C" or higher in all major courses to receive major credit**
 - a. CAP 2751 - Tools for Data Science **Only offered Fall**
 - b. MAP 2192 - Math for Data Science **Offered Fall and Spring**
 - c. CAP 2753 - Experimental Design and Data Analysis **Only offered Spring**