

Florida Atlantic University - Data Science Analytics (Engineering) 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 Calculus with Analytic Geometry 1 (4 cr.)
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)

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.)
MGF 1131 Mathematical Thinking in Context 2
PHI 2102 Logic

Choose one MAC or MGF course in addition to STA 2023

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 #

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

V. Social Sciences

(Group A)

AMH 2010 & D United States History to 1877 \diamond
AMH 2020 & D United States History Since 1877 \diamond
ANT 2000 & D Introduction to Anthropology **(WAC)**
ECO 2013 Macroeconomic Principles
POS 2041 Government of the United States \diamond
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.
- Ω 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.
- (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.

Major Requirements Common Core

- CAP 2751 Tools for Data Science (**Offered Fall only**)
- MAP 2192 Math for Data Science (**Offered Fall/ Spring**)
- CAP 2753 Experimental Design and Data Analysis
(**Offered Spring only**)
- CCJ 3071 Artificial Intelligence for Social Good
- QMB 3302 Data Management and Analysis with Excel

Major Requirements Concentration Core

- COP3035C Introduction to Programming in Python
- CEN 3062C Introduction to Software Design
- COP 3410C Data Structures and Algorithm Analysis with Python

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

36 cr.	General Education
18 cr.	Data Science Common Core
12 cr.	Data Science and Engineering Concentration
9 cr.	Concentration Core Electives
6 cr.	Restricted Electives
39 cr.	General Electives (Upper-Division & Free Electives)
120 credits	TOTAL

Advising Information

First-Year Students and Transfer Students with less than 30 earned credits

University Advising Services (UAS)
 Phone: 561-297-3064
 Email: advisingservices@fau.edu
 Website: <https://www.fau.edu/uas/>

Current Students and Transfer Students with more than 30 earned credits

Center for Advising and Student Engagement (CASE)
 Phone: 561-297-2780
 Email: EECSadvising@fau.edu
 Website: <https://www.fau.edu/engineering/case/>