

FLORIDA ATLANTIC UNIVERSITY – INTELLECTUAL FOUNDATION PROGRAM 2019 – 2020

All courses are three (3) credits unless otherwise indicated. Course selections should be made in consultation with an academic advisor.

DATA SCIENCE AND ANALYTICS (2019-2020) MAJOR

FOUNDATIONS OF WRITTEN COMMUNICATION

(6 credit hours required – Writing Across the Curriculum - WAC)

Grade of “C” or higher is required in each course

___ ENC 1101 College Writing I (**REQUIRED**)

___ ENC 1102 College Writing II +

THE FOLLOWING COURSES BELOW MAY BE SUBSTITUTED FOR ENC 1102:

English Department

___ ENC 1930+ University Honors Seminar in Writing (**Permit Only**)

___ ENC 1939+ Special Topic: College Writing

___ ENC 2452+ Honors Composition for Science

Anthropology Department

___ ANT 1471+..... Cultural Difference in a Globalized Society

History Department

___ 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.

PRETEST IS REQUIRED BEFORE TAKING YOUR FIRST MATH COURSE

Group A

___ MGF 1106 Math for Liberal Arts 1

___ MGF 1107 Math for Liberal Arts 2

___ MAC 1105 College Algebra

___ STA 2023 Introductory Statistics

___ MAC 2311 Calculus with Analytic Geometry 1 (4 credits)

(REQUIRED for Natural Sciences and Engineering Concentrations)

or any mathematics course for which one of the above courses is the direct prerequisite

Group B

___ MAC 1140 Precalculus Algebra

___ MAC 1114 Trigonometry

___ MAC 1147 Precalculus Algebra & Trigonometry (5 credits)

___ MAC 2210 Intro Calculus w/Applications (4 credits) (**Permit Only**)

___ MAC 2233 Methods of Calculus

___ MAC 2312 Calculus with Analytic Geometry 2 (4 credits)

___ MAD 2104 Discrete Mathematics (3 credits) (**REQUIRED for Natural Sciences and Engineering Concentrations**)

Philosophy Department

___ PHI 2102 Logic

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

Biology Department

___ BSC 1005 & L
Life Science (3 cr. incl. Lab)

Chemistry Department

___ CHM 1020C
Contemporary Chemical

Issues

Geosciences Department

___ ESC 2000
The Blue Planet (**online**)

___ EVR 1001
Env. Science and

Sustainability

Physics Department

___ AST 2002
Intro. to Astronomy (**P/F**)

Group B

Anthropology Department

___ ANT 2511 & L
Intro to Biological
Anthropology (4 cr. Incl. Lab)

Chemistry Department

___ CHM 2083
Chemistry in Modern Life (**P/F**)

Engineering Dean Department

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

Geosciences Department

___ GLY 2010C
Physical Geol. (4 cr. incl. Lab)

___ GLY2100
History of Earth and Life

___ MET 2010 & D
Weather and Climate

Physics Department

___ PSC 2121
Physical Science

(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 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.

Group A

History Department

___ AMH 2020 & D..... United States History Since 1877 **(P/F)**

Anthropology Department

___ ANT 2000 & D Introduction to Anthropology

Economics Department

___ ECO 2013 Macroeconomic Principles §

Political Science Department

___ POS 2041 Government of the United States

Psychology Department

___ PSY 1012 Introduction to Psychology

Sociology Department

___ SYG 1000 Sociological Perspectives

Group B

History Department

___ AMH 2010 & D..... United States History to 1877 **(P/F)**

Economics Department

___ ECO 2023 Microeconomic Principles §

___ ECP 2002 Contemporary Economic Issues

Exceptional Student Education Department

___ EEX 2091 Disability and Society

Geosciences Department

___ EVR 2017 Environment and Society

Languages, Linguistics, & Comparative Literature Department

___ LIN 2001 Introduction to Language **(online course)**

Public Administration Department

___ PAD 2258 Changing Environment of Soc., Bus., & Gov't

Sociology Department

___ SYG 2010 Social Problems

Urban & Regional Planning Department

___ URP 2051 Designing the City

FOUNDATIONS IN GLOBAL CITIZENSHIP

(6 credit hours required)

Student must choose two (2) courses from among the following:

Anthropology Department

___ ANT 2410 Culture and Society

Curriculum, Culture & Education Department

___ EDF 2854 Educated Citizen in Global Context

Geosciences Department

___ GEA 2000 World Geography

Political Science Department

___ INR 2002 Introduction to World Politics

Languages, Linguistics, & Comparative Literature Department

___ LAS 2000 Intro to Caribbean & Latin American Studies

___ LIN 2607 Global Perspectives on Language (**online course**)

Sociology Department

___ SYP 2450 Global Society

Social Work Department

___ SOW 1005 Global Perspectives of Social Services

History Department

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

___ WOH 2022 History of Civilization 2

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

Visual Art & Art History Department

___ ARH 2000 Art Appreciation (**P/F**)

Music Department

___ MUL 2010 Music Appreciation

Philosophy Department

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

Theatre & Dance Department

___ THE 2000 Theatre Appreciation

Group B

Architecture Department

___ ARC 2208 Culture & Architecture

Theatre & Dance Department

___ DAN 2100 Appreciation of Dance

School of Communication & Multimedia Studies

___ FIL 2000 & D Film Appreciation

Languages, Linguistics, & Comparative Literature Department

___ LIT 2100 Introduction to World Literature

English Department

___ 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**) ++

STUDENTS ASSUME RESPONSIBILITY FOR MEETING ALL GRADUATION REQUIREMENTS

Course selections should be made in consultation with an academic advisor.

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.
- * - Nursing majors are required to take this course in their first semester.
- ** - MAC 2311 is a prerequisite for this course. If a lab is needed, then take General Physics 1 Lab (PHY 2048 Lab).
- *** - MAC 1105 and MAC 1114 are prerequisites for this course. If a lab is needed, then take General Physics 1 Lab (PHY 2048 Lab).
- ‡ - Co-requisite of College Algebra (MAC 1105) or a prerequisite of Introductory Chemistry (CHM 1025). **WAC** - (WAC) Writing across the curriculum course.

Elective Credits

The number of elective credits allowed varies by major. Please consult with an academic advisor to determine the number of elective credits required for your major. **Certain majors do not allow any electives.**

§ Writing Across the Curriculum (WAC)/Gordon Rule

Students must obtain grades of "C" or higher. 12 credits of writing (WAC) and 6 credits of mathematics are required.

Please note:

Students must take four (4) WAC courses. Two (2) courses are to be taken from Foundations of Written Communication. We strongly recommend the two additional WAC courses come from these courses: PHI 2010, WOH 2012, LIT 2010, LIT 2030, LIT 2040 and LIT 2070. See advisor for additional details.

P/F

Certain designated undergraduate courses may be taken for a letter grade of pass (P) or fail (F). Students must indicate the grade option preferred when registering; otherwise, a letter grade will be given. The maximum credit available to any student on the P/F option is one course per term with a maximum of 12 credits during a student's entire course of study. This option is not available for courses in the student's major, for students on probation, or for **Engineering** majors.

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<https://myfau.fau.edu>

Go to MyFAU to: Check e-mail

See FAU

Announcements **FAU**

Self-Service: Course

schedules

Registration (drop/add classes) and withdrawals

Student records and financial aid

Tuition payments

The University Course Catalog

NOTE: Honors Seminars SHALL BE ACCEPTED AS MEETING THE GORDON RULE WRITING REQUIREMENT.

See the University Advising Services Office for details.

FREE ELECTIVES (36 credits, 12 or more courses)

Free electives are courses in any college, any department not previously taken. These credits are needed to meet the 120 credits required for graduation.

36 credits	Intellectual Foundations Program
36 credits	Free Electives
<u>48 credits</u>	<u>Major Requirements</u>
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.

The Major in Data Science and Analytics:

- (1) 45 credits minimum of upper division course work,
- (2) students must get a "C" or higher in all major courses to receive major credit, and
- (3) no major course can be taken pass/fail.