

FLORIDA ATLANTIC UNIVERSITY – INTELLECTUAL FOUNDATION PROGRAM 2023 – 2024

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

Bachelor of Arts in Computer Science (BACS) – Python Track & C Track Concentrations – (2023-2024)

College of Engineering & Computer Science

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:

____ ENC 1939 +Special Topic: College Writing

____ 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 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

Group B

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

____ ANT 2511 & L
Intro to Biological
Anthropology (4 cr. w/ Lab)
____ ETG 2831
Nature: Inter. of Sci., Eng., &
the Humanities
____ GLY 2010C
Physical Geol. (4 cr. w/Lab)
____ GLY2100
History of Earth and Life
____ IDS 2382
Human Mission to Mars
____ MET 2010
Weather, Climate & Climate
Change
____ 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.

♦ Civic Literacy Requirement ♦

<https://www.fau.edu/ugstudies/civic-literacy-requirement/>

Beginning in Summer 2021, Florida Legislature amended the statute and now requires students to complete **both** a civic literacy course (AMH 2020 or POS 2041) and an assessment exam.

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

____ MGF 1106Math for Liberal Arts 1
____ MGF 1107Math for Liberal Arts 2
____ MAC 1105 College Algebra
____ 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

____ MAC 1147Precalculus Algebra & Trigonometry (4 credits)
____ MAC 2210 Intro Calculus w/Applications (4 credits) **(Permit Only)**
____ MAC 2233 Methods of Calculus **(Required)**
____ MAC 2241 Life Science Calculus 1 (4 credits)
____ MAC 2312 Calculus with Analytic Geometry 2 (4 credits)
____ PHI 2102..... Logic

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

____ 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

____ 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
____ EME 2620..... Digital Literacy in a Globally Connected World ✚
____ 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

FOUNDATIONS IN GLOBAL CITIZENSHIP

(6 credit hours required)

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

- ___ ANT 2410.....Culture and Society
- ___ EDF 2854Educated Citizen in Global Context
- ___ GEA 2000.....World Geography
- ___ INR 2002.....Introduction to World Politics
- ___ JST 2452Global Jewish Communities Ω
- ___ LAS 2000.....Intro to Caribbean & Latin American Studies
- ___ LIN 2607Global Perspectives on Language
- ___ MAR 2142Culture, Consumers and the Global Marketplace ✕
- ___ MUH 2121Music in Global Society Ω
- ___ POT 2000.....Global Political Theory
- ___ SYP 2450.....Global Society
- ___ SOW 1005Global Perspectives of Social Services
- ___ SOW 1130Race and Cultural Inclusion in Social Work
- ___ WOH 2012 & D.....History of Civilization 1 **(WAC) ++**
- ___ WOH 2022.....History of Civilization 2
- ___ WST 2351Gender 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 2000Art Appreciation
- ___ MUL 2010.....Music Appreciation
- ___ PHI 2010 & DIntroduction to Philosophy **(WAC) ++**
- ___ THE 2000Theatre Appreciation

Group B

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

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.
- *** - 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 2048 Lab).
- ‡** - Co-requisite of College Algebra (MAC 1105) or a prerequisite of Introductory Chemistry (CHM 1025).
- ± - Starting Spring 2022
- ✕ - Starting Fall 2023
- ♦ - See information box regarding Civic Literacy Requirement
- WAC** - (WAC) Writing across the curriculum course.

§ Writing Across the Curriculum (WAC)/Gordon Rule

Students must attain 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: ANT 2000, PHI 2010, WOH 2012, LIT 2010, LIT 2030, LIT 2040, LIT 2070 or LIT 2931. See advisor for additional details.

Credit Summary – IFP/Major Core/College Requirements/Electives

36 Credits	Intellectual Foundations Program
39 Credits	BACS Required Courses
27 Credits	Free Electives (<i>Free electives are courses in any college, any department needed to meet the 120 credits required for graduation</i>).
18 Credits	Computer Science Electives
120 Credits	TOTAL

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.**

Advising Information

Incoming Freshman & Transfer Students w/ less than 30 credits contact:

University Advising Services (UAS)

Phone: (561) 297 – 3064

Email: Advisingservices@fau.edu

Website: www.fau.edu/uas

Transfer students with more than 30 credits contact:

Division of Engineering Student Services & Advising (DESSA)

Phone: (561) 297 – 2780

Website: www.fau.edu/engineering/dessa/organization/