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.

SECONDARY SCIENCE BIOLOGY EDUCATION MAJOR (2023 - 2024)

College for Education

	Bachelor of Science (BS) or Bachelor of Science in Education (BSE)	
FOUNDATIONS OF WRITTEN COMMUNICATION (6 credit hours required – Writing Across the Curriculum - WAC) Grade of "C" or higher is required in each course.	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.	
ENC 1101College Writing I (REQUIRED)	Group A	
ENC 1102College Writing II +	MGF 1106 Math for Liberal Arts 1MGF 1107 Math for Liberal Arts 2MAC 1105 College Algebra (REQUIRED for CHM 2045 & lab)STA 2023 Introductory StatisticsMAC 2311 Calculus with Analytic Geometry 1 (4 credits) or any mathematics course for which one of the above courses is the direct prerequisiteGroup BCOP 1031C Computer Programming & Data Literacy for EveryoneMAC 1147 Precalculus Algebra & Trigonometry (4 credits)MAC 2210 Intro Calculus w/Applications (4 credits) (Permit Only)MAC 2233 Methods of Calculus (REQUIRED)	
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.		
	MAC 2241 Life Science Calculus 1 (4 credits) MAC 2312 Calculus with Analytic Geometry 2 (4 credits)	
FOUNDATIONS OF SCIENCE & THE NATURAL WORLD	PHI 2102 Logic	
(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. <u>Group A</u> <u>Group B</u>	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	
BSC 1010 & L (REQUIRED) Biological Principles (4 cr. Incl. Lab) BSC 1011 & L (REQUIRED) Biodiversity (4 cr. incl Lab)	AMH 2020 & D United States History Since 1877 ♦ (RECOMMENDED)	
CHM 2045 & L (REQUIRED)	ANT 2000 & DIntroduction to Anthropology (WAC)	
General Chemistry 1	ECO 2013 Macroeconomic Principles §	
(4 cr. Incl. Lab) ‡ PHY 2121 (REQUIRED)	POS 2041Government of the United States (CRECOMMENDED)	
Physical Science	PSY 1012Introduction to Psychology	
	SYG 1000 Sociological Perspectives (RECOMMENDED)	
1	Group B	
(D) = Discussion, (L) = Lab	AMH 2010 & D United States History to 1877 (RECOMMENDED)	
Courses indicating a (D) or (L) are linked with a lecture, a lab, and/or a	CCJ 2002Law, Crime & the Criminal Justice System ±	
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	DIG 2202 Digital Culture	
discussion.	ECO 2023 Microeconomic Principles §	
	ECP 2002Contemporary Economic Issues	
	EEX 2091 Disability and Society	
	EME 2620 Digital Literacy in a Globally Connected World 🕱	
	EVR 1110Climate Change: The Human Dimensions	
	EVR 2017 Environment and Society	
A Civile Literary Beautiness and	LIN 2001Introduction to Language (online course)	
♦ Civic Literacy Requirement https://www.fau.edu/ugstudies/civic-literacy-requirement/	PAD 2081Risk Resilience and Rising Seas ±	
	PAD 2258 Changing Environment of Soc., Bus., & Gov't	
Beginning in Summer 2021, Florida Legislature amended the statute and now requires students to complete both a civic literacy course (AMH 2020	SYG 2010 Social Problems	

URP 2051 Designing the City

or POS 2041) and an assessment exam.

FOUNDATIONS IN GLOBAL CITIZENSHIP			
(6 credit hours required)			
Student must choose two (2) courses from among the following:			
ANT 2410Culture and Society			
EDF 2854Educated Citizen in Global Context (RECOMMENDED)			
GEA 2000World Geography			
INR 2002Introduction to World Politics			
JST 2452Global Jewish Communities $oldsymbol{\Omega}$			
LAS 2000Intro to Caribbean & Latin American Studies			
LIN 2607Global Perspectives on Language			
MAR 2142Culture, Consumers and the Global Marketplace 🕱			
MUH 2121Music in Global Society Ω			
MUH 2121Music in Global Society $oldsymbol{\Omega}$			
MUH 2121Music in Global Society Ω POT 2000Global Political Theory			
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POT 2000Global Political Theory			
POT 2000Global Political Theory SYP 2450Global Society			
POT 2000Global Political Theory SYP 2450Global Society SOW 1005Global Perspectives of Social Services			
POT 2000Global Political Theory SYP 2450Global Society SOW 1005Global Perspectives of Social Services SOW 1130Race and Cultural Inclusion in Social Work WOH 2012 & DHistory of Civilization 1 (WAC) ++			

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 2010Music 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 ±

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.
- Co-requisite of College Algebra (MAC 1105) or a prerequisite of Introductory Chemistry (CHM 1025).
- ± Starting Spring 2022
- Ω Starting Spring 2023
- 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. Teacher Preparation majors will also complete a WAC course through the required EDF 2085. We strongly recommend the final WAC course be one of the following: PHI 2010, WOH 2012, LIT 2010, LIT 2030, LIT 2040, LIT 2070 and LIT 2193. See advisor for additional

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. <u>Certain majors do not allow any electives.</u>

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

(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 <u>must</u> attend the lecture, lab, and/or discussion.

FOREIGN LANGUAGE (0 - 8 credits, 1 or more courses in the same language) - REQUIRED FOR BS MAJOR ONLY

Students with more than one year of a foreign language in high school should enroll in the second half of the beginners' foreign language class (ARA/CHI/FRE/GER/HBR/ITA/JPN/LAT/SPN 1121) or a higher-level course. Proficiency for a first-level course can be earned by successfully completing a second-level course. For questions related to this requirement, consult an academic advisor. CLEP exam credits meet this requirement: see the catalog.

All students must meet the Admissions Foreign Language requirement.

NOTE: Native Speakers of a foreign language must consult the Languages, Linguistics, and Comparative Literature Department regarding this requirement.

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

30 credits Intellectual Foundations Program

11 credits Free Electives (Foreign Language taken for BS count as electives)

09 credits Lower-Division College Requirements

24 credits Professional Education

46 - 47 credits Major Content

120 – 121 CREDITS TOTAL

For additional information, please contact the College of Education Office for Academic and Student Services:

College of Education, Room 230

(561) 297-3570 or https://www.fau.edu/education/students/oass/

Note: To be admitted to a Teacher Education program, students must do the following:

- 1. Have a minimum **GPA of 2.5 on a 4.0 scale** on the lower division undergraduate general education component.
- 2. Submit passing scores on all sections of the General Knowledge (GK) test to the College of Education www.fl.nesinc.com
- 3. Meet the general university requirements for admission.
- 4. Complete FAU's Intellectual Foundations Program or an AA Degree from a Florida State University or College.
- 5. Be interviewed and recommended for admission.
- 6. Be programmed by an assigned advisor.
- 7. Be approved for admission by the College of Education.

MAJOR COURSES, COLLEGE REQUIREMENTS and ELECTIVES

NON-MAJOR/FREE ELECTIVES (12 credits)

Courses in any college, any department, including Education, needed to meet the 120 credits required for graduation. Foreign language will count as an elective if taken for the BS major.

LOWER DIVISION COLLEGE REQUIREMENTS (9 credits):

EDF 2005	Intro to the Teaching Profession (15 observation hours) (3 credits)
EDF 2085	Intro to Diversity for Educators (15 observation hours) (3credits) (WAC)

EME 2040 Introduction to Technology for Educators (3 credits)

PROFESSIONAL EDUCATION (24 credits)

EDF 3210	Applied Learning Theory (3 credits)
EDF 3430	Educational Measurement and Evaluation (3 credits)
TSL 4324	ESOL Strategies for Content Area Teachers (3 credits)
SCE 4360	Science: Middle and Secondary (3 credits)
RED 4335	Reading in the Content Areas (3 credits)
ESE 3940	Secondary School Effective Instruct (3 credits, 90 - hours plus security) **
SCE 4944	Student Teaching: Biology 6 - 12 (6 credits) Full-time internship/Fall or Spring (Final Semester)

MATHEMATICS REQUIREMENT

PSY 3234 Experimental Design & Statistical Inference (3 credits)

BIOLOGY MAJOR CONTENT (43 – 44 credits)

BSC 1010 + L	Biological Principles + Lab (4 credits)
BSC 1011 + L	Biodiversity + Lab (4 credits)
CHM 2045 + L	General Chemistry I + Lab (4 credits)
CHM 2046 + L	General Chemistry II + Lab (4 credits)
CHM 2210	Organic Chemistry I (3 credits)
PSC 2121	Physical Science (3 credits)
MAC 2233	Methods of Calculus (3 credits)
OCE 3008	Oceanography (3 credits) or OCB 4633 Marine Ecology (3 credits)
PCB 3063	Genetics (4 credits)
PCB 4043	Principles of Ecology (3 credits) *
MCB 3020 + L	General Microbiology + Lab (4 credits) or PCB 4023 Molecular & Cell Biology (3 credits)
PCB 4723 + L	Comparative Animal Physiology + Lab (4 cr) * or BOT 4503 +L Principles of Plant Physiology + Lab (4 cr)

Electives Approved Science Electives (6-7 credits, including 3 credits upper division)

BSC 2085 & Lab	Anatomy & Physiology I (4 credits)	MCB 4603	Microbial Biology (Davie) (3 credits)
BSC 2086 & Lab	Anatomy & Physiology II (4 credits)	OCB 4043 & Lab	Marine Biology+ Field Studies and Lab
EVR 2017	Environment & Society (3 credits)		(4 credits)
ZOO 2203 & Lab	Invertebrate Zoology & Lab (5 credits)	ZOO 4690 & Lab	Comparative Vertebrate Morphogenesis
PCB 3352	Issues in Human Ecology (3 credits)		(5 credits)
BOT 3223 & Lab	Vascular Plant Anatomy (4 credits)	BCH 3033	Biochemistry I (3 credits)
BOT 4404 & Lab	Marine Botany (4 credits)	CHM 2211 & Lab	Organic Chemistry II & Lab (5 credits)

^{*} See Catalog for possible prerequisites. Permission of instructor required.

IMPORTANT NOTES:

Students registered in Education courses must purchase "Live Text" which is an on-line tool that will be used to track individual student competency mastery (CAs) in initial certification programs. For detailed information, please visit: https://www.fau.edu/education/students/livetext/students/

Field experience is a required component of some Education courses. All students requiring a field experience placement must have evidence of current security clearance. For detailed information, please visit:

http://www.fau.edu/education/students/oass/fieldexperience/

^{**} Must be programmed and taken the fall/spring semester prior to student teaching