## FOUNDATIONS OF WRITTEN COMMUNICATION

( 6 credit hours required - Writing Across the Curriculum - WAC) Grade of " $C$ " or higher is required in each course
$\qquad$ ENC 1101.. $\qquad$ College Writing I (REQUIRED)
ENC 1102.......College Writing II +

## THE FOLLOWING COURSES BELOW MAY BE SUBSTITUTED FOR ENC 1102:

$\qquad$ ENC 1939 +....Special Topic: College Writing
$\qquad$ 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
-------For Non-Science Majors-----
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
---------For Science Majors-
BSC 1010 \& L \& D
Biological Principles
( $4 \mathrm{cr} . \mathrm{w} / \mathrm{Lab} \&$ Dis)
BSC 2085 \& L
Anatomy \& Physiology 1
( $4 \mathrm{cr} . \mathrm{w} / \mathrm{Lab}$ )
CHM 2045 \& L (see note)
General Chemistry 1
(4 cr. w/Lab) $\ddagger$
PHY 2048 \& L (see note)
General Physics 1
( 5 credits w/Lab) *
PHY 2053 \& L
College Physics 1
( 5 credits w/Lab) **

Group B
-------For Non-Science Majors-----
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
----------For Science Majors---------
Biology Department BSC 1011 \& L \& D Biodiversity ( 4 cr . incl Lab \& Dis)
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$

Note: students seeking BS degree must select either CHM 2045 \& Lab or PHY 2048 \& Lab

## 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 $\qquad$ Government of the United States 0

PSY 1012 $\qquad$ Introduction to Psychology
___ SYG 1000 $\qquad$ .Sociological Perspectives

## Group B

___ AMH 2010 \& D ......United States History to 1877
CCJ 2002 $\qquad$ .Law, Crime \& the Criminal Justice System $\pm$
$\qquad$ DIG 2202 $\qquad$ .Digital Culture

ECO 2023 $\qquad$ .Microeconomic Principles §
$\qquad$ ECP 2002 $\qquad$ Contemporary Economic Issues
$\qquad$ EEX 2091 $\qquad$ Disability and Society
EVR 1110
..Climate Change: The Human Dimensions
$\qquad$ EVR 2017 $\qquad$ .Environment and Society
LIN 2001 $\qquad$ .Introduction to Language (online course)

PAD 2081 $\qquad$ Risk Resilience and Rising Seas $\pm$

## 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

MAC 1105 ..... College Algebra
_ MAC 2311 ..... Calc. w/Analytic Geometry 1 (4 credits) (REQUIRED)
or any mathematics course for which one of the above courses is the direct prerequisite

Group B
COP 1031C .... Computer Programming \& Data Literacy for Everyone (For Non-College Engineering \& Computer Science majors)
MAC 1147 ..... Precalculus Algebra \& Trigonometry (4 credits)
MAC 2210 ..... Intro Calculus w/Applications (4 credits) (Permit Only)
MAC 2233 ..... Methods of Calculus
MAC 2241 .....Life Science Calculus 1 (4 credits)
MAC 2312 ..... Calc. w/Analytic Geometry 2 (4 credits) (REQUIRED)
PHI 2102........ Logic

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 2854 ...............Educated Citizen in Global Context GEA 2000...............World Geography INR 2002 ..Introduction to World Politics JST 2452 ................Global Jewish Communities $\Omega$ LAS 2000................Intro to Caribbean \& Latin American Studies LIN 2607 ................Global Perspectives on Language MUH 2121.............Music in Global Society $\Omega$ POT 2000...............Global Political Theory SYP 2450 $\qquad$ .Global Society
SOW 1005 $\qquad$ .Global Perspectives of Social Services SOW 1130 ..............Race and Cultural Inclusion in Social Work WOH 2012 \& D...... History of Civilization 1 (WAC) ++ WOH 2022 History of Civilization 2 WST 2351 Gender and Climate Change

# STUDENTS ASSUME RESPONSIBILITY FOR MEETING ALL GRADUATION REQUIREMENTS Course selections should be made in consultation with an academic advisor. 

## Legend

$+\quad-$ 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).
$\ddagger \quad$ - Co-requisite of College Algebra (MAC 1105) or a prerequisite of Introductory Chemistry (CHM 1025).
$\pm \quad$ - Starting Spring 2022
$\Omega \quad$ - Starting Spring 2023
-     - See information box below regarding Civic Literacy Requirement

WAC - (WAC) Writing across the curriculum course.

## $\S$ 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: PHI 2010, WOH 2012, LIT 2010, LIT 2030, LIT 2040, LIT 2070 and LIT 2391. See advisor for additional details.

> (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.

## 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.

## 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 2000.............. Art Appreciation
___ MUL 2010............. Music Appreciation
___ PHI 2010 \& D ........ Introduction to Philosophy (WAC) ++
___ THE 2000 .............. Theatre Appreciation

## Group B

___ ARC 2208.............. Culture \& Architecture
___ DAN 2100 ............. Appreciation of Dance
___ FIL 2000 \& D......... Film Appreciation
___ HUM 2471 ............ Racism and Anti-Racism
___ 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) ++
__ LI
LIT 2100 $\qquad$ Introduction to World Literature

LIT 2931 $\qquad$ Special Topics in Literature (WAC) ++ $\Omega$

SPC 2608 $\qquad$ Public Speaking $\pm$

## 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

## Civic Literacy Requirement

https://www.fau.edu/ugstudies/civic-literacy-requirement/
Beginning in Fall 2018, students entering a Florida public institution as a degree-seeking student for the first time needs to demonstrate civic literacy through either taking a certain course (AMH 2020 or POS 2041) or passing an assessment exam. 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.

FOREIGN LANGUAGE (4-8 credits, 1 or more courses in the same language) - REQUIRED FOR MAJOR
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.

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/GRW REQUIREMENT. See the University Advising Services Office for details.

| BA | BS |  |
| :---: | :--- | :--- |
| $34-38 \mathrm{cr}$. | $35-40 \mathrm{cr}$. | Intellectual Foundations Program w/Foreign Lang (math not included) |
| 36 cr. | $44-47 \mathrm{cr}$. | Major Core |
| 12 cr. | 12 cr. | Math Electives |
| 18 cr. | 12 cr. | Upper Division Restricted Free Electives |
| $\frac{\mathbf{2 2 - 2 6 \mathrm { cr } .}}{\mathbf{1 2 0} \text { Credits }}$ | $\mathbf{9 - 1 7 \mathrm { cr } .}$ | Free Electives <br> TOTAL |

NOTE: See the catalog for specific requirements, course descriptions and additional information. The requirements for some Intellectual Foundations Program (IFP) courses \& other courses may be satisfied by passing the appropriate AP or CLEP exam. Check with your advisor and college. The Department of Mathematical Sciences accepts passing scores for Calculus AB and Calculus BC.

The Department of Mathematical Sciences has the following requirements:
(1) At least 15 credits of 3000 level or above (upper division) Mathematics core and elective requirements must be completed at FAU3
(2) Any course work in the major field transferred from another institution must be approved by the math department.
(3) The maximum amount of credit which may be earned through co-op is 10 credits; Mathematics Department does not allow these credits to count as major courses.
(4) The Mathematics Department requires a minimum 2.2 GPA overall for (BA) or $\mathbf{2 . 5}$ GPA overall for (BS) in all Mathematics courses taken at FAU.

## MAJOR COURSES, COLLEGE REQUIREMENTS and ELECTIVES

## BACHELOR OF ARTS (BA) DEGREE

|  | MAC 2311 | Calculus w/ Analytic Geometry 1 (4 credits) |
| :--- | :--- | :--- |
|  | MAC 2312 | Calculus w/ Analytic Geometry 2 (4 credits) |
|  | MAC 2313 | Calculus w/ Analytic Geometry 3 (4 credits) |
|  | MAD 2104 | Discrete Mathematics (3 credits) |
|  | MAD 2502 | Intro to Computational Math (3 credits) |
|  | MAS 2103 | Matrix Theory or Linear Algebra (3 credits) |
|  | MHF 3202 | Introduction to Advanced Mathematics (3 credits) |
|  | MAT 4937 | Mathematical Problem Solving (3 credits) |
|  | MAA 4200 | Modern Analysis (3 credits) |
|  | MAS 4301 | Modern Algebra (3 credits) |
| Upper Division Math Electives (12cr.) |  |  |
| Upper-division mathematics electives: These electives must be chosen from courses offered by the Department of <br> Mathematical Sciences and numbered 3000 or higher. The following courses may not be used as upper-division mathematics <br> electives: <br> STA 3163, STA 3173, STA 3949, MAT 3949, MAP 4945, or STA 4821 |  |  |

## BACHELOR OF SCIENCE (BS) DEGREE

|  | CHM 2045 \& Lab <br> or <br> PHY 2048 \& Lab | General Chemistry 1 \& Lab (4 credits) |  |
| :--- | :--- | :--- | :---: |
|  | MAC 2311 | Calculus w/ Analytic Geometry 1 (4 credits) |  |
|  | MAC 2312 | Calculus w/ Analytic Geometry 2 (4 credits) |  |
|  | MAC 2313 | Calculus w/ Analytic Geometry 3 (3 credits) |  |
|  | MAD 2104 | Discrete Mathematics (3 credits) |  |
|  | MAD 2502 | Intro. to Computational Math (3 credits) |  |
|  | MAS 2302 | Differential Equations 1 (3 credits) |  |
|  | MHF 3202 | Matrix Theory or Linear Algebra (3 credits) |  |
|  | MAS 4107 | Introduction to Advanced Mathematics (3 credits) |  |
|  | MAA 4200 | Mathematical Problem Solving (3 credits) |  |
|  | MAS 4301 | Linear Algebra 2 (3 credits) |  |
|  | MAA 4402 | Modern Analysis (3 credits) |  |
|  | STA 4442 | Introductory Complex Analysis (3 credits) |  |
|  |  |  |  |
|  |  |  |  |
|  | Upper Division Math Electives (12 cr.) |  |  |
| Upper-division mathematics electives: These electives must be chosen from courses offered by the Department of <br> Mathematical Sciences and numbered 3000 or higher. The following courses may not be used as upper-division mathematics <br> electives: |  |  |  |

STA 3163, STA 3173, STA 3949, MAT 3949, MAP 4945, or STA 4821

SPECIALIZATIONS WITHIN MATHEMATICS
CHECK WITH THE MATHEMATICS DEPARTMENT FOR SPECIALIZATION AREAS AND COURSES, INCLUDING:

ACTUARIAL SCIENCE<br>APPLIED MATHEMATICS<br>STATISTICS (MINOR)

