## 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:
$\qquad$ 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

BSC 1010 \& L ****
Biological Principles
( 4 cr . Incl. Lab)
CHM 2045 \& L (Required) **** General Chemistry 1
( 4 cr . Incl. Lab) $\ddagger$

PHY 2048 \& L (Required) ****
General Physics 1
(4 or 5 credits incl. Lab) *

## **** SEE SCIENCE REQUIREMENTS BY MAJOR ON PAGE 3

## (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 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
$\qquad$ MAC 2311....... Calculus with Analytic Geometry 1 (4 credits) (Required)

## Group B

MAC 2210....... Intro Calculus w/Applications (4 credits) (Permit Only)
___ MAC 2312....... Calculus with Analytic Geometry 2 (4 credits) (Required)

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 $\qquad$ Macroeconomic Principles §
POS 2041 $\qquad$ Government of the United States 0
___ PSY 1012 $\qquad$ Introduction to Psychology
__ SYG 1000 $\qquad$ Sociological Perspectives

## Group B

$\qquad$ AMH 2010 \& D ...... United States History to 1877
$\qquad$ CCJ 2002 $\qquad$ Law, Crime \& the Criminal Justice System $\pm$ DIG 2202 $\qquad$ Digital Culture
$\qquad$ ECO 2023 $\qquad$ .Microeconomic Principles §
_ ECP 2002 $\qquad$ Contemporary Economic Issues
$\qquad$ EEX 2091
Disability and SocietyEVR 1110
Climate Change: The Human Dimensions
$\qquad$ EVR 2017 $\qquad$ Environment and Society
$\qquad$ LIN 2001 $\qquad$ Introduction to Language (online course)
$\qquad$ PAD 2081 $\qquad$ Risk Resilience and Rising Seas $\pm$
$\qquad$ PAD 2258 $\qquad$ Changing Environment of Soc., Bus., \& Gov't
$\qquad$ 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 $\qquad$ .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 $\qquad$ .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

## 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) ++
$\qquad$ LIT 2070.................Interpretation of Creative Nonfiction (WAC) ++
$\qquad$ LIT 2100 $\qquad$ Introduction to World Literature
$\S$ Writing Across the Curriculum (WAC)/Gordon Rule
Students must take four (4) WAC courses. Must earn a "C" or better.
Required: ENC1101 \& ENC1102 or allowable substitute.
We recommend 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.

## Requirement Information

NOTE: All Engineering students should take Physics I (PHY 2048 \& PHY 2048L) with Calculus II (MAC 2312) in the same semester.
NOTE: Students must receive a minimum grade of " C " in the courses below in no more than two attempts:

- Electrical, Ocean, Mechanical, Civil, Environmental, \& Computer Engineering: MAC 2311 \& PHY 2048
- Computer Science \& Geomatics: MAC 2311


## Advising Information

Incoming Freshman and students transferring with less than $\mathbf{3 0}$ credits contact:
University Advising Services College of Engineering \& Computer Science
Phone: (561) 297-3064
Email address: advisingservices@fau.edu

Transfer students or students with more than $\mathbf{3 0}$ credits contact:

Phone: (561) 297-2780
Email address: engineering-advising@fau.edu

## 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.
$\ddagger \quad$ - Co-requisite of College Algebra (MAC 1105) or a prerequisite of Introductory Chemistry (CHM 1025).
$\pm$ - Starting Spring 2022
$\Omega \quad$ - Starting Spring 2023

-     - See information box below regarding Civic Literacy Requirement

WAC - (WAC) Writing across the curriculum course.

## STUDENTS ASSUME RESPONSIBILITY FOR MEETING ALL GRADUATION REQUIREMENTS

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

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.

## MAJOR REQUIREMENTS

(All required major courses must earn a " C " or better) Engineering students must stick to the core curriculum.

EGN 1002 \& L Fundamentals of Engineering [Must be taken freshman year] (NOT required for Computer Science majors)
**** SCIENCE REQUIREMENTS BY MAJOR
(All science courses must earn a "C" or better)

## Computer, Electrical, Mechanical, and Ocean Engineering:

CHM 2045 \& L....... General Chemistry 1 ( 4 cr . w/Lab) $\ddagger$ (only REQUIRED for MECHANICAL and OCEAN)$\qquad$ PHY 2048 \& L ........ General Physics 1 ( 4 or $5 \mathrm{cr} . \mathrm{w} / \mathrm{Lab}$ ) * (REQUIRED)
$\qquad$ PHY 2049 \& L ........ General Physics 2 ( 4 or $5 \mathrm{cr} . \mathrm{w} / \mathrm{Lab}$ ) (REQUIRED) or PHY 2044 \& L...PHYSICS FOR ENGINEERS 2 ( $4 \mathrm{cr} . \mathrm{w} / \mathrm{Lab}$ )

## Civil and Environmental Engineering:

$\qquad$ CHM 2045 \& L .General Chemistry 1 ( $4 \mathrm{cr} . \mathrm{w} / \mathrm{Lab}$ ) $\ddagger$ (REQUIRED)
$\qquad$ PHY 2048 \& $\qquad$ General Physics 1 (4 or 5 cr . w/ Lab) * (REQUIRED)

Civil Engineering must also choose 1 from Science 1:
$\qquad$ BSC 1010 \& L.........Biological Principles ( 4 credits including Lab)
_ GLY 2010C \& D.......Physical Geology (4 cr. including Lab) (RECOMMENDED)
And must also choose 1 from Science 2:
___ BSC 1010 \& L..........Biological Principles (4 credits including Lab) **
GLY 2010C \& D........Physical Geology ( 4 cr . including Lab) **
PHY 2049 \& L ........ General Physics 2 ( 4 or $5 \mathrm{cr} . \mathrm{w} / \mathrm{Lab}$ ) or PHY 2044 \& L...PHYSICS FOR ENGINEERS 2 ( $4 \mathrm{cr} . \mathrm{w} / \mathrm{Lab}$ )
CHM 2046 \& L.......General Chemistry 6 ( $4 \mathrm{cr} . \mathrm{w} / \mathrm{Lab}$ ) $\ddagger$
${ }^{* *}$ May not be used to satisfy Science 2 if used to satisfy Science 1

## Environmental Engineering majors must also take:

CHM 2046 \& L...General Chemistry 2 ( $4 \mathrm{cr} . \mathrm{w} / \mathrm{Lab}$ ) $\ddagger$ (REQUIRED)
And must also choose 1 from:
___ BSC 1010 \& L.........Biological Principles (4 credits including Lab)
BSC 1011 \& L.........Biodiversity ( 4 credits including Lab)
And must also choose 1 from:
GEO 2200C.............Intro to Physical Geography
_ GLY 2010C \& D.....Physical Geology (4 cr. including Lab)

## Geomatics Engineering majors must take:

PHY 2048 \& L..........General Physics 1 ( 4 or $5 \mathrm{cr} . \mathrm{w} / \mathrm{Lab}$ ) * (REQUIRED)
GEO 2200C.............Intro to Physical Geography
And must also choose 1 from Science 1:
___ CHM 2045 \& L.........General Chemistry 1 ( $4 \mathrm{cr} . \mathrm{w} / \mathrm{Lab}$ ) $\ddagger$
___ GLY 2010C \& D.......Physical Geology ( 4 cr. including Lab)
And must also choose $\mathbf{2}$ from Science 2:
___ ANT 2511 \& L...........Intro to Biological Anthropology (4 credits w/Lab)
BSC 1010 \& L..........Biological Principles ( 4 credits w/Lab)
___ BSC 1011 \& L..........Biodiversity ( 4 credits w/Lab)
___ BSC 2085 \& L...........Anatomy \& Physiology 1 (4 credits including Lab)
___CHM 2045 \& L.........General Chemistry 1 ( 4 cr. w/Lab) $\ddagger * *$
___CHM 2032 \& L..........Chemistry for Health Sciences ( $4 \mathrm{cr} . \mathrm{w} / \mathrm{Lab}$ )
___ GLY 2010C \& D........Physical Geology (4 cr. including Lab) **
PHY 2053 \& L...........College Physics 1 ( 4 credits w/ Lab)
**May not be used to satisfy Science 2 if used to satisfy Science 1
Computer Science majors must choose 2 from the following:
__ CHM 2045 \& L.......General Chemistry 1 ( 4 cr. w/Lab) $\ddagger$
_ BSC 1010 \& L..........Biological Principles ( 4 credits including Lab)
GLY 2010 C \& D.......Physical Geology ( 4 cr. including Lab)
PHY 2048 \& L .........General Physics 1 ( 4 or 5 cr. w/ Lab)
PHY 2049 \& L ........ General Physics 2 ( 4 or $5 \mathrm{cr} . \mathrm{w} / \mathrm{Lab}$ ) or PHY 2044 \& L....... PHYSICS FOR ENGINEERS 2 ( $4 \mathrm{cr} . \mathrm{w} / \mathrm{Lab}$ )

