### 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
- **MAC 2311** ...... Calculus with Analytic Geometry 1 *(4 credits) (Required)*
  
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 2233** ...... Methods of Calculus
- **MAC 2312** ...... Calculus with Analytic Geometry 2 *(4 credits) (Required)*

### 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 1010 & L & D** Biological Principles *(4 cr. Incl. Lab & Dis)*

**Chemistry Department**

- **CHM 2045 & L (Required)**
  
  - General Chemistry 1 *(4 cr. Incl. Lab)*§

**Physics Department**

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

**Group B**

**Geosciences Department**

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

**Physics Department**

- **PHY 2049 & 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 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

**Public Administration Department**

- **PAD 2258** ................. Changing Environment of Soc., Bus., & Gov’t

**Sociology Department**

- **SYD 2790** ................. Race, Class, Gender, and Sexuality
- **SYG 2010** ................. Social Problems

**Urban & Regional Planning Department**

- **URP 2051** ................. Designing the City
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.**
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 required science courses must earn a “C” or better)

Civil, Electrical, Environmental, Geomatics, Mechanical, Ocean, and Computer Engineering:
___ CHM 2045 & L General Chemistry 1 (4 cr. w/Lab) ‡ (REQUIRED)
___ PHY 2048 & L General Physics 1 (4 or 5 cr. w/ Lab) ** (REQUIRED)
___ PHY 2049 & L General Physics 2 (4 or 5 cr. w/ Lab) (REQUIRED) or PHY 2044 & L PHYSICS FOR ENGINEERS 2 (4 cr. w/ Lab)

Civil Engineering majors must also choose 1 from:
___ BSC 1010 & L & D Biological Principles (4 credits including Lab & Discussion)
___ GLY 2010C Physical Geology (4 cr. including Lab) (RECOMMENDED)

Environmental Engineering majors must also choose:
___ CHM 2046 & Lab General Chemistry 2 (4 cr. w/Lab) ‡ (REQUIRED)

Computer Science:
___ PHY 2048 & L General Physics 1 (4 or 5 cr. w/ Lab) ** (REQUIRED)
___ PHY 2049 & L General Physics 2 (4 or 5 cr. w/ Lab) (REQUIRED) or PHY 2044 & L PHYSICS FOR ENGINEERS 2 (4 cr. w/ Lab)

Computer Science majors must also choose 1 from:
___ CHM 2045 & L General Chemistry 1 (4 cr. w/Lab) ‡
___ BSC 1010 & L & D Biological Principles (4 credits including Lab & Discussion)
___ GLY 2010C Physical Geology (4 cr. including Lab)

REQUIREMENT INFORMATION

NOTE: All Engineering and Computer Science 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:

- Electrical and Computer Engineering: MAC 2311 & MAC 2312 & PHY 2043 or PHY 2048
- Ocean, Mechanical, Civil, Environmental & Geomatics Engineering: MAC 2311 & PHY 2043 or PHY 2048
- Computer Science: COP 2220 & MAC 1140 & MAC 1114 or COP 2220 & MAC 1147
- Geomatics: SUR2101 & SUR 2101 Lab and MAC 1140 and MAC 1114 or MAC 1147

Incoming Freshman and students transferring with less than 30 credits contact:
University Advising Services
Phone: (561) 297-3064
Email address: advisingservices@fau.edu

Transfer students or students with more than 30 credits contact:
College of Engineering & Computer Science
Phone: (561) 297-2780
Email address: engineering-advising@fau.edu