### Foundations of Written Communication
(6 credit hours required – Writing Across the Curriculum - WAC)
Grade of “C” or higher is required in each course

<table>
<thead>
<tr>
<th>Course</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>College Writing I (REQUIRED)</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>College Writing II +</td>
</tr>
</tbody>
</table>

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 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**

<table>
<thead>
<tr>
<th>Course</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Calc. with Analytic Geometry 1 (4 credits) (Required)</td>
</tr>
</tbody>
</table>

**Group B**

<table>
<thead>
<tr>
<th>Course</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>COP 1034C</td>
<td>Computer Programming &amp; Data Literacy for Everyone (For Non-College Engineering &amp; Computer Science majors)</td>
</tr>
<tr>
<td>MAC 1147</td>
<td>Precalculus Algebra &amp; Trigonometry (4 credits)</td>
</tr>
<tr>
<td>MAC 2210</td>
<td>Intro Calculus w/Applications (4 credits) (Permit Only)</td>
</tr>
<tr>
<td>MAC 2233</td>
<td>Methods of Calculus</td>
</tr>
<tr>
<td>MAC 2241</td>
<td>Life Science Calculus 1 (4 credits)</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Calc. with Analytic Geometry 2 (4 credits) (Required)</td>
</tr>
</tbody>
</table>

### 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.

<table>
<thead>
<tr>
<th>Group A</th>
<th>Group B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biological Principles (4 cr. incl Lab &amp; Dis)</td>
<td>Biodiversity (4 cr. incl Lab &amp; Dis)</td>
</tr>
<tr>
<td>CHM 2045 &amp; L (see note)</td>
<td>CHM 2046 (with labs)</td>
</tr>
<tr>
<td>General Physics 1 (4 cr. Incl. Lab) *</td>
<td>General Physics 1 (5 credits incl. Lab) *</td>
</tr>
</tbody>
</table>

__Must select either both Biology courses or both Chemistry courses from below:__

- BSC 1010 & BSC 1011 (with labs) or CHM 2045 & CHM 2046 (with labs)

__“CANNOT MIX BIOLOGY AND CHEMISTRY COURSE”__

**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**

<table>
<thead>
<tr>
<th>Course</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2020</td>
<td>United States History Since 1877 (P/F)</td>
</tr>
<tr>
<td>ANT 2000</td>
<td>Introduction to Anthropology (WAC)</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Macroeconomic Principles §</td>
</tr>
<tr>
<td>POS 2041</td>
<td>Government of the United States</td>
</tr>
<tr>
<td>PSY 1012</td>
<td>Introduction to Psychology</td>
</tr>
<tr>
<td>SYG 1000</td>
<td>Sociological Perspectives</td>
</tr>
</tbody>
</table>

**Group B**

<table>
<thead>
<tr>
<th>Course</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2010</td>
<td>United States History to 1877 (P/F)</td>
</tr>
<tr>
<td>DIG 2202</td>
<td>Digital Culture</td>
</tr>
<tr>
<td>ECO 2023</td>
<td>Microeconomic Principles §</td>
</tr>
<tr>
<td>ECP 2002</td>
<td>Contemporary Economic Issues</td>
</tr>
<tr>
<td>EEX 2091</td>
<td>Disability and Society</td>
</tr>
<tr>
<td>EVR 1110</td>
<td>Climate Change: The Human Dimensions</td>
</tr>
<tr>
<td>EVR 2017</td>
<td>Environment and Society</td>
</tr>
<tr>
<td>LIN 2001</td>
<td>Introduction to Language (online course)</td>
</tr>
<tr>
<td>PAD 2258</td>
<td>Changing Environment of Soc., Bus., &amp; Gov’t</td>
</tr>
<tr>
<td>SYG 2010</td>
<td>Social Problems</td>
</tr>
<tr>
<td>URP 2051</td>
<td>Designing the City</td>
</tr>
</tbody>
</table>
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
____ LAS 2000 ..............Intro to Caribbean & Latin American Studies
____ LIN 2607 ...............Global Perspectives on Language
____ SYP 2450 ...............Global Society
____ SOW 1005 ...............Global Perspectives of Social Services
____ 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 (P/F)
____ MUL 2100 ............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
____ LIT 2100 ..............Introduction to World Literature
____ 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) ++

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.
* - MAC 2311 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).
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 and LIT 2070. 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.

P/F
Certain designated undergraduate courses may be taken for a letter grade of pass (P) or fail (F). Students must indicate the grade option preferred when registering; otherwise, a letter grade will be given. The maximum credit available to any student on the P/F option is one course per term with a maximum of 12 credits during a student’s entire course of study. This option is not available for courses in the student’s major, for students on probation, or for Engineering majors.

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
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.

<table>
<thead>
<tr>
<th>BA</th>
<th>BS</th>
</tr>
</thead>
<tbody>
<tr>
<td>28 - 32 credits</td>
<td>28 - 32 credits</td>
</tr>
<tr>
<td>14 credits</td>
<td>14 credits</td>
</tr>
<tr>
<td>15 credits</td>
<td>15 credits</td>
</tr>
<tr>
<td>21 - 22 credits</td>
<td>44 credits</td>
</tr>
<tr>
<td>21 - 24 credits</td>
<td>0 - 1 credit</td>
</tr>
<tr>
<td>14 - 20 credits</td>
<td>14 - 19 credits</td>
</tr>
<tr>
<td><strong>120 CREDITS</strong></td>
<td><strong>120 CREDITS</strong></td>
</tr>
</tbody>
</table>

**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.

### MAJOR COURSES, COLLEGE REQUIREMENTS and ELECTIVES

#### BACHELOR OF ARTS (BA) DEGREE

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 1010 &amp; Lab &amp; BSC 1011 &amp; Lab</td>
<td>(4 credits)</td>
</tr>
<tr>
<td>Biological Principles w/Lab</td>
<td></td>
</tr>
<tr>
<td>Biodiversity w/Lab</td>
<td>(4 credits)</td>
</tr>
</tbody>
</table>

**OR**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2045 &amp; Lab &amp; CHM 2046 &amp; Lab</td>
<td>(4 credits)</td>
</tr>
<tr>
<td>General Chemistry 1 w/ Lab</td>
<td></td>
</tr>
<tr>
<td>*General Chemistry 2 w/ Lab</td>
<td>(4 credits)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 2311</td>
<td>(4 credits)</td>
</tr>
<tr>
<td>Calculus w/ Analytic Geometry 1</td>
<td></td>
</tr>
<tr>
<td>MAC 2312</td>
<td>(4 credits)</td>
</tr>
<tr>
<td>Calculus w/ Analytic Geometry 2</td>
<td></td>
</tr>
<tr>
<td>MAC 2313</td>
<td>(4 credits)</td>
</tr>
<tr>
<td>Calculus w/ Analytic Geometry 3</td>
<td></td>
</tr>
<tr>
<td>PHY 2048</td>
<td>(4 credits)</td>
</tr>
<tr>
<td>General Physics 1</td>
<td></td>
</tr>
<tr>
<td>PHY 2048L</td>
<td>(1 credit)</td>
</tr>
<tr>
<td>General Physics 1 Lab</td>
<td></td>
</tr>
<tr>
<td>PHY 2049</td>
<td>(4 credits)</td>
</tr>
<tr>
<td>General Physics 2</td>
<td></td>
</tr>
<tr>
<td>PHY 2049L</td>
<td>(1 credit)</td>
</tr>
<tr>
<td>General Physics 2 Lab</td>
<td></td>
</tr>
<tr>
<td>PHY 1090</td>
<td>(1 credit)</td>
</tr>
<tr>
<td>First Year Physics Seminar</td>
<td></td>
</tr>
<tr>
<td>MAP 2302 OR MAP 3305</td>
<td>(3 credits)</td>
</tr>
<tr>
<td>Differential Equations 1</td>
<td></td>
</tr>
<tr>
<td>Engineering Mathematics 1</td>
<td>(3 credits)</td>
</tr>
<tr>
<td>PHY 3101C</td>
<td>(4 credits)</td>
</tr>
<tr>
<td>Survey of Modern Physics</td>
<td></td>
</tr>
<tr>
<td>PHY 3221</td>
<td>(4 credits)</td>
</tr>
<tr>
<td>Classical Mechanics</td>
<td></td>
</tr>
<tr>
<td>PHY 3323</td>
<td>(4 credits)</td>
</tr>
<tr>
<td>Electromagnetism 1</td>
<td></td>
</tr>
<tr>
<td>PHY 4604</td>
<td>(4 credits)</td>
</tr>
<tr>
<td>Quantum Mechanics</td>
<td></td>
</tr>
<tr>
<td>PHY 3932</td>
<td>(1 credit)</td>
</tr>
<tr>
<td>Third Year Physics Seminar</td>
<td></td>
</tr>
</tbody>
</table>

Choose at least One of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 4523</td>
<td>(4 credits)</td>
</tr>
<tr>
<td>Statistical Physics</td>
<td></td>
</tr>
<tr>
<td>PHY 3722C</td>
<td>(4 credits)</td>
</tr>
<tr>
<td>Physical Electronics</td>
<td></td>
</tr>
<tr>
<td>PHZ 3151C</td>
<td>(4 credits)</td>
</tr>
<tr>
<td>Computational Physics</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** *FAU Chemistry sequence requires a C or better to take the next course in the sequence. Need a C or better in ALL Physics courses.
**BACHELOR OF SCIENCE (BS) DEGREE**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 1010 &amp; Lab &amp; BSC 1011 &amp; Lab</td>
<td>Biological Principles w/Lab</td>
<td>4 credits</td>
</tr>
<tr>
<td>BSC 1011 &amp; Lab</td>
<td>Biodiversity w/Lab</td>
<td>4 credits</td>
</tr>
<tr>
<td>CHM 2045 &amp; Lab &amp; CHM 2046 &amp; Lab</td>
<td>*General Chemistry 1 w/ Lab</td>
<td>4 credits</td>
</tr>
<tr>
<td>CHM 2047 &amp; Lab</td>
<td>*General Chemistry 2 w/ Lab</td>
<td>4 credits</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Calculus w/ Analytic Geometry 1</td>
<td>4 credits</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Calculus w/ Analytic Geometry 2</td>
<td>4 credits</td>
</tr>
<tr>
<td>MAC 2313</td>
<td>Calculus w/ Analytic Geometry 3</td>
<td>4 credits</td>
</tr>
<tr>
<td>PHY 2048</td>
<td>General Physics 1</td>
<td>4 credits</td>
</tr>
<tr>
<td>PHY 2048L</td>
<td>General Physics 1 Lab</td>
<td></td>
</tr>
<tr>
<td>PHY 2049</td>
<td>General Physics 2</td>
<td>4 credits</td>
</tr>
<tr>
<td>PHY 2049L</td>
<td>General Physics 2 Lab</td>
<td></td>
</tr>
<tr>
<td>PHY 1090</td>
<td>First Year Physics Seminar</td>
<td></td>
</tr>
<tr>
<td>MAP 2302</td>
<td>Differential Equations</td>
<td>3 credits</td>
</tr>
<tr>
<td>MAP 3305</td>
<td>Engineering Mathematics</td>
<td>3 credits</td>
</tr>
<tr>
<td>PHY 3101C</td>
<td>Survey of Modern Physics</td>
<td>4 credits</td>
</tr>
<tr>
<td>PHY 3221</td>
<td>Classical Mechanics</td>
<td>4 credits</td>
</tr>
<tr>
<td>PHY 3323</td>
<td>Electromagnetism 1</td>
<td>4 credits</td>
</tr>
<tr>
<td>PHY 3324</td>
<td>Electromagnetism 2</td>
<td>3 credits</td>
</tr>
<tr>
<td>PHY 4604</td>
<td>Quantum Mechanics</td>
<td>4 credits</td>
</tr>
<tr>
<td>PHY 3932</td>
<td>Third Year Physics Seminar</td>
<td>1 credit</td>
</tr>
<tr>
<td>PHY 4523</td>
<td>Statistical Physics</td>
<td>4 credits</td>
</tr>
<tr>
<td>PHY 3722C</td>
<td>Physical Electronics</td>
<td>4 credits</td>
</tr>
<tr>
<td>PHZ 3151C</td>
<td>Computational Physics</td>
<td>4 credits</td>
</tr>
<tr>
<td>PHY 3802L</td>
<td>Undergraduate Laboratory 1</td>
<td>1 credit</td>
</tr>
<tr>
<td>PHY 4803L</td>
<td>Undergraduate Laboratory 2</td>
<td>1 credit</td>
</tr>
<tr>
<td>PHZ 4113</td>
<td>Mathematical Methods for Physics</td>
<td>4 credits</td>
</tr>
</tbody>
</table>

**APPROVED PHYSICS ELECTIVES (6 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Note:** *FAU Chemistry sequence requires a C or better to take the next course in the sequence. Need a C or better in ALL Physics courses.

**Optional Pre-professional Track (23 credits) - Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 1011 &amp; L</td>
<td>Biodiversity with lab</td>
<td>3 + 1 = 4 credits</td>
</tr>
<tr>
<td>BSC 1010 &amp; L</td>
<td>Biological Principles with lab</td>
<td>3 + 1 = 4 credits</td>
</tr>
<tr>
<td>CHM 2210 &amp; D</td>
<td>Organic Chemistry I w/discussion</td>
<td>3 credits – CHM 2045 &amp; CHM 2046 (prereqs)</td>
</tr>
<tr>
<td>CHM 2211</td>
<td>Organic Chemistry II (3 credits)</td>
<td></td>
</tr>
<tr>
<td>CHM 2211L</td>
<td>Organic Chemistry II Lab</td>
<td>2 credits</td>
</tr>
<tr>
<td>PCB 3063</td>
<td>Genetics (4 credits)</td>
<td>BSC 1011 and BSC 1010 (prerequisites)</td>
</tr>
<tr>
<td>BCH 3033</td>
<td>Biochemistry I (3 credits)</td>
<td>8 credits of organic chemistry are the prerequisites</td>
</tr>
</tbody>
</table>