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 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 (Required)
____ BSC 1010 & L & D
   Biological Principles
   (4 cr. Incl. Lab & Dis)
Chemistry Department (Required)
____ CHM 2045 & L
   General Chemistry 1
   (4 cr. Incl. Lab) #
Physics Department (Required: select one below)
____ PHY 2048 & L General Physics 1
   (5 credits incl. Lab) **
____ PHY 2053 College Physics 1
   (5 credits incl. Lab)

Group B
Biology Department (Required)
____ BSC 1011 & L & D
   Biodiversity (4 cr. incl Lab & Dis)

(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 - see note below
Sociology Department
____ SYG 1000 ................. Sociological Perspective
   (recommended for pre-health-related majors)

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

Note: A required course to take PSY 3234 per the University catalog.
STUDENTS ASSUME RESPONSIBILITY FOR MEETING ALL GRADUATION REQUIREMENTS

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

<table>
<thead>
<tr>
<th>FOUNDATIONS IN GLOBAL CITIZENSHIP</th>
<th>FOUNDATIONS OF HUMANITIES</th>
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</thead>
<tbody>
<tr>
<td>(6 credit hours required)</td>
<td>(6 credit hours required)</td>
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<tr>
<td>Student must choose two (2) courses from among the following:</td>
<td>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.</td>
</tr>
<tr>
<td><strong>Anthropology Department</strong></td>
<td><strong>Group A</strong></td>
</tr>
<tr>
<td>___ ANT 2410 .......................Culture and Society</td>
<td><strong>Visual Art &amp; Art History Department</strong></td>
</tr>
<tr>
<td><strong>Curriculum, Culture &amp; Education Department</strong></td>
<td><strong>Music Department</strong></td>
</tr>
<tr>
<td>___ EDF 2854 ........................Educated Citizen in Global Context</td>
<td><strong>Philosophy Department</strong></td>
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<tr>
<td><strong>Geosciences Department</strong></td>
<td><strong>Theatre &amp; Dance Department</strong></td>
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<tr>
<td>___ INR 2002 ........................Introduction to World Politics</td>
<td><strong>Group B</strong></td>
</tr>
<tr>
<td><strong>Languages, Linguistics, &amp; Comparative Literature Department</strong></td>
<td><strong>Architecture Department</strong></td>
</tr>
<tr>
<td>___ LAS 2000 ........................Intro to Caribbean &amp; Latin American Studies</td>
<td><strong>Theatre &amp; Dance Department</strong></td>
</tr>
<tr>
<td>___ LIN 2607 ........................Global Perspectives on Language (online course)</td>
<td><strong>School of Communication &amp; Multimedia Studies</strong></td>
</tr>
<tr>
<td><strong>Political Science Department</strong></td>
<td><strong>English Department</strong></td>
</tr>
<tr>
<td>___ SYP 2450 ........................Global Society</td>
<td>___ LIT 2100 ..............Introduction to World Literature</td>
</tr>
<tr>
<td><strong>Sociology Department</strong></td>
<td><strong>History of Civilization 1</strong> (WAC) ++</td>
</tr>
<tr>
<td>___ WOH 2012 &amp; D..................History of Civilization 1 (WAC) ++</td>
<td><strong>Film Appreciation</strong></td>
</tr>
<tr>
<td>___ WOH 2022 ........................History of Civilization 2</td>
<td><strong>Appreciation of Dance</strong></td>
</tr>
</tbody>
</table>

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**Certain majors do not allow any electives.**

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**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.
- Nursing majors are required to take this course in their first semester.
- MAC 2311 is a prerequisite for this course. If a lab is needed, then take General Physics 1 Lab (PHY 2048 Lab).
- MAC 1105 and MAC 1114 are prerequisites 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) Writing across the curriculum course.

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**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 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.

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**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.

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**http://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
FORTRAN 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.

**NOTE:** See 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 Charles E. Schmidt College of Science Biology department has the following requirements (per the University catalog):

1. A student must earn a "C-" or better in all biology AND cognate courses taken as part of the requirements for an undergraduate degree in Biological Sciences. However, students must earn a "C" in chemistry courses.
2. Any course work in the major field transferred from another institution must be approved by the major dept.
3. No major course may be taken pass/fail.
4. The maximum amount of credit which may be earned through co-op is 10 credits; some departments allow some of these credits to substitute for major courses, check with department for specifics.
MAJOR COURSES, COLLEGE REQUIREMENTS and ELECTIVES
B.A. DEGREE

Required Courses (Biology Core): 40 - 41 credits:
- BSC 1011 & L & D Biodiversity and Lab & Discussion  4 cr – as indicated on first page
- BSC 1010 & L & D Biological Principles and Lab & Discussion  4 cr
- CHM 2045 & L1 General Chemistry I and Lab  4 cr – as indicated on first page
- CHM 2046 & L1 General Chemistry II and Lab  4 cr
- CHM 2210 & D1 Organic Chemistry I  3 cr
- CHM 22111 Organic Chemistry II  3 cr
1Chemistry courses require a “C” or better.
- PSC 2121 Physical Science  3 cr

OR

- MAC 2233 Methods of Calculus  3 cr
- MAC 2311 Calculus w/Analytic Geometry  4 cr

OR

- STA 3173 Introduction to Biostatistics  3 cr (prerequisite: MAC 2233)
- PSY 3234 Exp. Design & Stat. Inference  3 cr (prerequisite: PSY 1012)

Select at least three (3) of the courses below (the other course may be used as Biology elective): 9 – 10 credits
- PCB 3063 Genetics  4 cr
- PCB 3023 Cell Biology  3 cr
- PCB 4043 Principles of Ecology  3 cr
- PCB 3674 Evolution  3 cr

Biology electives (select 15 credits): Please note you must have course prerequisite(s) completed
- Biochemistry I (BCH 3033) 3 credits
- Vascular Plant Anatomy & Lab (BOT 3223 & 3223L) 4 credits
- Marine Biodiversity & Lab (OCB 4032 & 4032L) 4 credits
- Marine Botany & Lab (BOT 4404 & 4404L) 4 credits
- Marine Microbiology and Molecular Biology & Lab (OCB 4525 & 4525L) 6 credits
- Principles of Plant Physiology & Lab (BOT 4503 4503L) 4 credits
- Marine Ecology & Lab (OCB 4633 & 4633L) 4 credits
- Plant Biotechnology (BOT 4734C) 3 credits
- Marine Science (OCE 4006) 4 credits
- Life of a Biologist (BSC 2844) 1 credit
- Human Morphology and Function 1 & Lab (PCB 3703 & 3703L) 4 credits
- Conservation Biology (BSC 3052) 3 credits
- Human Morphology and Function 2 & Lab (PCB 3704 & 3704L) 4 credits
- Introduction to Biological Research (BSC 3453) 1 credit
- Issues in Human Ecology (PCB3352) 3 credits
- Biological Research (BSC 3481) 2 credits
- Genetics Lab (PCB 4067L) 3 credits
- Molecular Genetics of Aging (BSC 4022) 3 credits
- Immunology (PCB 4233) 3 credits
- Biotechnology Laboratory 1 (BSC 4403L) 2 credits
- Freshwater Ecology & Lab (PCB 4301 & 4301L) 3 credits
- Biotechnology Laboratory 2 (BSC 4448L) 2 credits
- Molecular Genetics (PCB 4522) 3 credits
- Concepts in Bioinformatics (BSC 4434C) 3 credits
- Genes and Development (PCB 4594) 3 credits
- Biology of Cancer (BSC 4806) 3 credits
- Comparative Animal Physiology & Lab (PCB 4723 & 4723L) 4 credits
- Directed Independent Study (BSC 4905) 1-3 credits
- Cellular Neuroscience and Disease (PCB 4842) 3 credits
- Honors Research (BSC 4917) 3 credits
- Practical Cell Neuroscience (PCB 4843C) 3 credits
- Honors Thesis (BSC 4918) 3 credits
- Biological Bases of Behavior (PSB 3002) 3 credits
- Special Topics (BSC 4930) 1-3 credits
- Invertebrate Zoology & Lab (ZOO 2203 & 2203L) 5 credits
- Comparative Animal Behavior (CBH 4024) 3 credits
- Vertebrate Zoology & Lab (ZOO 2303 & 2303L) 4 credits
- Organic Chemistry II Lab (CHM 2211L) 2 credits
- Functional Biology of Marine Animals & Lab (ZOO 4402 & 4402L) 4 credits
- Critical Thinking in Environmental Science (EVS 4021) 3 credits
- Ornithology & Lab (ZOO 4472 & 4472L) 2 credits
- General Microbiology & Lab (MCB 3020 & 3020L) 4 credits
- Comparative Vertebrate Morphogenesis & Lab (ZOO 4690 & 4690L) 3 credits
- Medical Bacteriology (MCB 4203) 3 credits
- Comparative Vertebrate Morphogenesis Lab (ZOO 4690L) 2 credits
- Virology (MCB 4503) 3 credits
- Principles of Human Neuroanatomy (ZOO 4742) 3 credits
- Microbial Ecology (MCB 4603) 3 credits

31 – 35 credits  Intellectual Foundations Program and Foreign Language
40 – 41 credits  Biology Core
15 credits  Biology Electives
29 – 34 credits  Free Electives – (17 – 20 credits must be upper-division)
120 CREDITS  TOTAL (45 credits at upper division minimum)
Required Courses (Biology Core): 47 - 48 credits

- BSC 1011 & L & D  Biodiversity and Lab & Disc  4 cr – as indicated on first page
- BSC 1010 & L & D  Biological Principles and Lab & Disc  4 cr
- CHM 2045 & L  General Chemistry I and Lab  4 cr – (Chemistry courses require a “C” or better)
- CHM 2046 & L  General Chemistry II and Lab  4 cr - (Requires a “C” or better)
- CHM 2210 & D  Organic Chemistry I  3 cr - (Requires a “C” or better)
- CHM 2211  Organic Chemistry II  3 cr - (Requires a “C” or better)

**OR**

- MAC 2233  Methods of Calculus  3 cr
- MAC 2311  Calculus w/Analytic Geometry  4 cr

**OR**

- PHY 2053  College Physics I  4 cr - Prerequisite of a “C” in one of these courses: MAC 1114/1147/2233/2311
- PHY 2048L  General Physics I Lab  1 cr

**OR**

- PHY 2048  General Physics I  4 cr - Prerequisite of a “C” in MAC 2311 per University catalog
- PHY 2048L  General Physics I Lab  1 cr

**OR**

- PHY 2054  College Physics II  4 cr
- PHY 2049L  General Physics II Lab  1 cr

**OR**

- PHY 2049  General Physics II  4 cr
- PHY 2049L  General Physics II Lab  1 cr

**OR**

- STA 3173  Introduction to Biostatistics  3 cr - prerequisite: MAC 2233 per University catalog
- PSY 3234  Exp. Design & Stat. Inference  3 cr - prerequisite: PSY 1012 per University catalog

Select at least three (3) of the courses below (the other course may be used as Biology elective): 9 – 10 credits

- PCB 3063  Genetics  4 cr
- PCB 3023  Cell Biology  3 cr
- PCB 4043  Principles of Ecology  3 cr
- PCB 3674  Evolution  3 cr

Electives: (select at least 21 credits from the list below): BS Biology majors may also choose electives from BS Neuroscience & Behavior elective list

Biochemistry I (BCH 3033) 3 credits
Vascular Plant Anatomy & Lab (BOT 3223 & 3223L) 4 credits
Marine Botany & Lab (BOT 4404 & 4404L) 4 credits
Principles of Plant Physiology & Lab (BOT 4503 & 4503L) 4 credits
Plant Biotechnology (BOT 4734C) 3 credits
Life of a Biologist (BSC 2844) 1 credit
Conservation Biology (BSC 3052) 3 credits
Introduction to Biological Research (BSC 3453) 1 credit
Biological Research (BSC 3481) 2 credits
Molecular Genetics of Aging (BSC 4022) 3 credits
Biotechnology Laboratory 1 (BSC 4403L) 2 credits
Biotechnology Laboratory 2 (BSC 4448L) 2 credits
Concepts in Bioinformatics (BSC 4434C) 3 credits
Biology of Cancer (BSC 4806) 3 credits
Directed Independent Study (BSC 4905) 1-3 credits
Honors Research (BSC 4917) 3 credits
Honors Thesis (BSC 4918) 3 credits
Special Topics (BSC 4930) 1-3 credits
Comparative Animal Behavior (CBH 4024) 3 credits
Organic Chemistry II Lab (CHM 2211L) 2 credits
Critical Thinking in Environmental Science (EVS 4021) 3 credits
General Microbiology & Lab (MCB 3020 & 3020L) 4 credits
Medical Bacteriology (MCB 4203) 3 credits
Virology (MCB 4503) 3 credits
Microbial Ecology (MCB 4603) 3 credits

B.S. DEGREE

- Intellectual Foundations Program and Foreign Language 31 – 35 credits
- Biology Core 47 – 48 credits
- Biology Electives 21 credits
- Free Electives – (11 – 14 credits must be upper-division) 17 – 20 credits

**TOTAL** 120 CREDITS (45 credits at upper division minimum)