



**Degree Plan for**  
**Bachelor of Science Degree in Biology, General Biology and Pre-professional Option**  
**Updated 11-1-2018**

**Highly Recommended Courses:**

BIO	1013	Introduction to Biology (majors section)
BIO	1021	Introduction to Biology Laboratory
CHM	1034/1044	General Chemistry for Non-Majors/General Organic and Biochemistry

**Required Courses:**

BIO	2104	General Botany
BIO	2114	General Zoology

Biology majors are required to enroll in and successfully complete botany (BIO2104) and zoology (BIO2114) within their first four semesters at HSU. Students must meet with their departmental advisor to determine the schedule appropriate for them.

BIO	2094	Microbiology
BIO	3054	Genetics
BIO	3524	General Ecology
BIO	4214	Cell Biology

**Choose one of the following:**

BIO	3304	Plant Physiology
BIO	3314	Animal Physiology

**Choose one of the following:**

BIO	3084	Comparative Anatomy and Evolution of Vertebrates
BIO	3244	Comparative Morphology and Evolution of Plants

A minimum of two additional upper-level courses in biology must be selected. These may be from the courses listed above or others listed in the Henderson catalog. Two semesters of Human Anatomy and Physiology will satisfy one of these requirements. BIO 4251, BIO 4373, and BIO 4823 may not be used for this requirement.

**Additional requirements:**

CHM 1014, 1024 University Chemistry  
CHM 3063, 3073 Organic Chemistry I and II  
CHM 3051, 3131 Organic Chemistry I and II Lab  
MTH 1243, STA 2054 or STA 2323 College Algebra and Applied Biostatistics or Statistical Methods or more advanced courses, with approval.  
PHY 2034, 2044 General Physics I and II

Total hours required for a major in biology, general biology and pre-professional option:.....68-71

Biology Courses: 38-40 hours

Physical Science and Mathematics Courses: 30-31 hours

Students must have a "C" grade or better in all courses in the major field and also in the courses listed as "additional requirements."

The biology department highly recommends that students achieve competence in the use of computers for word processing, graph and spreadsheet construction, and PowerPoint presentations before enrolling in upper-level courses. Students should consider enrolling in Introduction to Computers (CSC 2003) if their background in computer use is weak.

**DEGREE PLAN**  
**Bachelor of Science in Biology, General Biology and Pre-professional Option, 2018/2019 version**

Degree Completion Plan Beginning in Fall Semester							
Freshman				Sophomore			
Fall	Hrs.	Spring	Hrs.	Fall	Hrs.	Spring	Hrs.
Introduction to Bio.	3 or 4	Botany or Zoology	4	Zoology or Botany	4	Biology Core	4
Gen Chem. I/Soc. Sci.	3 or 4	College Algebra	3	University Chem. I	4	University Chem. II	4
Hender. Seminar	1	Gen Chem. II/Elective	3 or 4	Mast. West./World Lit.	3	Civilization	3
English A	3	English B	3	Social Sci./Elective	3	Humanities	3
US His./Am.Nat.Gov.	3			Stat. Methd./Appl. Biost.	3 or 4	Core Elective	3
Life Fitness or PE	1						
Total Hours	14 to 16	Total Hours	13 or 14	Total Hours	17 or 18	Total Hours	17
Junior				Senior			
Fall	Hrs.	Spring	Hrs.	Fall	Hrs.	Spring	Hrs.
Biology Core	4	Biology Core	4	Biology Core	4	Biology Core	4
Physics I	4	Biology Core	4	Biology Elective	3 or 4	Biology Elective	3 or 4
Oral Com.	3	Physics II	4	Non-West. Culture	3	Core Elective	4
Organic Chem. I	4	Organic Chem. II	4	Writing Course	3		
				Core Elective	3		
Total Hours	15	Total Hours	16	Total Hours	16 or 17	Total Hours	10 to 12

120 hours are required for graduation.

Note: Two writing (WI) intensive courses are required.

42 upper-level (junior/senior) hours are required.

At least one WI course must be in biology.

Degree plan includes some optional, but highly recommended courses. Please consult with your departmental advisor for additional details or if you have questions.

Students interested in particular graduate programs should consult closely with their advisors, as requirements may be different.

If students plan on minoring in chemistry, one additional semester of chemistry will be required. See catalog.

Note: Courses may be taken in semesters other than those shown above. Consult with your advisor for alternative scheduling. See information on reverse side of this sheet for a full list of core courses.

- It is the responsibility of the student to be familiar with all degree requirements as listed in the University Catalog.
- Students shall verify that they have completed all the appropriate prerequisites before enrolling in classes.
- Students shall complete an application for graduation no later than the semester preceding their anticipated graduation date.

Student signature \_\_\_\_\_ Date \_\_\_\_\_

Advisor signature \_\_\_\_\_ Date \_\_\_\_\_