



Checklist for Bachelor of Arts in Biology

Highly Recommended Courses:

BIO	1023	General Biology for Majors
BIO	1021	Introduction to Biology Laboratory

Core Requirements (20 hrs):

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	3054	Genetics
BIO	3524	General Ecology
BIO	4214	Cell Biology

Anatomy and Evolution: Choose ONE (1) course from the following (4 hrs):

BIO	3084	Comparative Anatomy and Evolution of Vertebrates
BIO	3244	Comparative Morphology and Evolution of Plants
BIO	4194	Animal Histology

Physiology: Choose ONE (1) course from the following (4 hrs):

BIO	3304	Plant Physiology
BIO	3314	Animal Physiology
*BIO	3544, 3554	Human Anatomy and Physiology I and II

*Two semesters of Human Anatomy and Physiology are required to satisfy the physiology and anatomy requirement.

Organismal Biology: Choose ONE (1) course from the following (4 hrs):

BIO	2094	Microbiology
BIO	3294	Plant Taxonomy
BIO	3404	Herpetology
BIO	4074	Dendrology
BIO	4034	Ornithology
BIO	4164	Entomology
BIO	4344	Phycology
BIO	4354	Mammalogy
BIO	4224	Ichthyology

Environmental and Systems Biology: Choose ONE (1) course from the following (3-4 hrs):

BIO	4414	Infection and Immunity
BIO	3494	Biogeography
BIO	4504	Behavioral Ecology
BIO	4204	Aquatic Ecology
BIO	4044	Neotropical Ecology
BIO	4324	Tropical Marine Biology
BIO	4563	Biology of Cancer
CHM	3193	Environmental Chemistry

Additional requirements:

CHM 1034, 1044 General Chemistry I and II

CHM 1014, 1024 University Chemistry I and II

MTH 1243, STA 2053 College Algebra and Applied Biostatistics or more advanced courses, with approval.

PHY 2034, 2044 General Physics I and II

Total hours required for a major in biology, Bachelor of Arts

degree:.....65-67 hours

Biology Courses: 35-36 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.