ZOOLOGY

Zoology majors focus on the study of individual organisms and populations, as well as their relationships to each other and the environment, with the core foundation of evolution and ecology. Courses also emphasize the disciplines of anatomy, behavior, genetics, physiology, and other specialized fields.

About this Program

- · College: Liberal Arts and Sciences (http://catalog.ufl.edu/UGRD/colleges-schools/UGLAS/)
- Degree: Bachelor of Science
- Credits for Degree: 120
- $\boldsymbol{\cdot} \text{ More info}$

To graduate with this major, students must complete all university, college, and major requirements.

Department Information

The Department of Biology studies life at all levels from molecules to the biosphere to understand the evolution, structure, maintenance and dynamics of biological systems. The department's teaching and research provide the integrative and conceptual foundations of the life sciences. **Website (https://biology.ufl.edu/)**

CONTACT

Email (info@biology.ufl.edu) | 352.273.0125 (tel) | 352.392.3704 (fax)

P.O. BOX 118525 220 BARTRAM HALL GAINESVILLE FL 32611-8525 Map (http://campusmap.ufl.edu/#/index/0747)

Curriculum

- Biology UF Online
- Biology | CALS
- Biology | CLAS
- Botany Minor
- Botany | CALS
- Botany | CLAS
- Combination Degrees
- Zoology
- · Zoology Minor

Courses introduce Zoology majors to a wide variety of topics while allowing individual interests to be pursued. Advanced undergraduate students are encouraged to participate in research with faculty.

Most career opportunities require advanced studies beyond the bachelor's degree. This includes preparation for graduate studies or employment in disciplines such as zoology, ecology, conservation, and biology research; preparation for medical, dental, or veterinary programs; or preparation for secondary-school teaching.

Ultimately, the undergraduate degree in zoology will be shaped by students' coursework, laboratory experience, field work, and the instructors they encounter. These experiences will help to shape their goals as biologists with a focus on Zoology.

Majors should work both with a department advisor and a CLAS advisor. CLAS advisors will assist with degree requirements, university and college policy and course selection. Department advisors will help students select appropriate graduate programs, guide them in the admissions process, and help identify appropriate career choices.

More Info (https://biology.ufl.edu/undergraduates/zoology/)

requirements for the Major

A Zoology major requires a minimum of 32 credits of zoology coursework plus a minimum of 31 credits of foundation coursework in chemistry, physics, and mathematics/statistics for a total of 63-67 credits. All coursework must be completed with minimum grades of C.

Students must complete at least three upper-level Zoology courses from the Department of Biology (excluding ZOO 4905, ZOO 4911 and ZOO 4940 at the University of Florida.

Code	Title	Credits	
Required Foundation Coursework			
CHM 2045	General Chemistry 1	4	
& 2045L	and General Chemistry Laboratory		
CHM 2046	General Chemistry 2	4	
& 2046L	and General Chemistry 2 Laboratory		
CHM 2210	Organic Chemistry 1	3	
CHM 2211	Organic Chemistry 2	5	
& 2211L	and Organic Chemistry Laboratory		
MAC 2311	Analytic Geometry and Calculus 1	4	
MAC 2312	Analytic Geometry and Calculus 2	3-4	
or STA 2023	Introduction to Statistics 1		
Select one:		8-10	
Option A			
PHY 2053	Physics 1		
& 2053L	and Laboratory for PHY 2053		
PHY 2054	Physics 2		
& 2054L	and Laboratory for PHY 2054		
Option B			
PHY 2048	Physics with Calculus 1		
& 2048L	and Laboratory for PHY 2048		
PHY 2049	Physics with Calculus 2		
& 2049L	and Laboratory for PHY 2049		
Total Foundation Coursework Credits	·	31-34	
Required Major Coursework			
BSC 2010	Integrated Principles of Biology 1		
& 2010L	and Integrated Principles of Biology Laboratory		
BSC 2011	Integrated Principles of Biology 2		
& 2011L	and Integrated Principles of Biology Laboratory 2		
PCB 3063	Genetics		
Zoology or zoology-related Major Electiv	ves		
Select at least three courses in zoology		9-10	
One or more 3000/4000-level ZOO co	urse(s) offered through the Department of Biology ¹		
BSC 3402	Theory and Practice in the Biological Sciences		
BSC 4936	Critical Analysis of Biological Research		
PCB 4043C	General Ecology		
PCB 4674	Evolution		
PCB 4723C	Physiology and Molecular Biology of Animals		
Additional 3000-4000-level zoology elec	tive courses ^{2,3}	11	
Total Major Coursework Credits		32-33	
Total Credits		114-122	

¹ Students may not apply ZOO 4232, ZOO 4905, ZOO 4911, or ZOO 4940 toward this requirement.

² Including up to two zoology major-approved biological science courses (https://biology.ufl.edu/undergraduates/approvedcourses/) (3000/5000 level) outside of zoology.

³ Up to six credits of Individual Studies in Zoology will count toward this requirement:

- BOT 4911
- BSC 3911
- BSC 4910
- BSC 4912
- ZOO 4905
- ZOO 4911

Students should begin the chemistry and math sequences as soon as possible. A full year of calculus and a course in statistics (such as STA 2023) are highly recommended.

Relevant Minors and Certificates

Majors in Zoology can minor in most other disciplines, and this is a good way to organize students' electives around areas of interest. For instance, a Zoology major can earn a minor in chemistry by adding just two chemistry courses: CHM 3400, CHM 3610, or any 4000-level CHM course. Students

could also consider language and humanities minors. Note that Zoology majors cannot minor in Biology, nor can Biology majors minor in Zoology, as the curricula for the Zoology and Biology majors are too similar.

Zoology students might want to consider the UFTeach Program. There is a severe shortage of qualified high school science teachers in Florida and nationwide. Students interested in the high-demand teaching profession should see a biology department advisor or the UFTeach advisor. Students who complete the UFTeach minor in science teaching and a BS in Zoology will have the coursework and preparation for professional teacher certification in Florida when they graduate.

More Info (http://education.ufl.edu/uf-teach/)

Research

All Zoology majors are strongly encouraged to participate in research. Research experience is valuable on many levels: it diversifies a student's college experience; it teaches students how scientists apply the knowledge gained in the classroom to real-world questions; it gives students the opportunity to work with and get to know researchers who are the best in their field; it introduces students to cutting-edge scientific questions and techniques; it enhances students' resume/CV if they apply to graduate or professional school; and finally, it is essential in helping students determine if science is a good career choice for them.

More Info (https://biology.ufl.edu/undergraduates/research/)

CLAS Zoology majors may participate in research for course credit, as a scholar (e.g., University Scholar, HHMI Science for Life Scholar, Beckman Scholar), as a volunteer, or, in rare cases, as a paid research assistant. Please visit Undergraduate Research for more information regarding course credit. Students who plan to enroll for course credit must contact potential research mentors before the end of drop/add. If they miss the drop/add window, they should still contact potential research mentors, if only to discuss upcoming opportunities. More Info (https://cur.aa.ufl.edu/)

Critical Tracking

Critical Tracking records each student's progress in courses that are required for progress toward each major. Please note the critical-tracking requirements below on a per-semester basis.

For degree requirements outside of the major, refer to CLAS Degree Requirements: Structure of a CLAS Degree.

Equivalent critical-tracking courses as determined by the State of Florida Common Course Prerequisites (https://cpm.flvc.org/advance-search/) may be used for transfer students.

Semester 1

- Complete one of the following in BSC, CHM, or MAC: BSC 2010/BSC 2010L; CHM 1025 or CHM 2045/CHM 2045L; MAC 1114, MAC 1140, MAC 1147, or MAC 2311
- 2.0 UF GPA required

Semester 2

- Complete CHM 2045/CHM 2045L; and BSC 2010/BSC 2010L or MAC 2311
- 2.0 UF GPA required

Semester 3

- Complete BSC 2010/BSC 2010L and MAC 2311 with a 2.5 critical-tracking GPA
- 2.0 UF GPA required

Semester 4

- · Complete CHM 2046/CHM 2046L and BSC 2011/BSC 2011L with a 2.5 critical-tracking GPA
- 2.0 UF GPA required

Semester 5

- Complete CHM 2210 with a 2.5 critical-tracking GPA
- 2.0 UF GPA required

Semester 6

- Complete at least one 3000/4000 level course towards the required core coursework (3000/4000 level ZOO course, PCB 3063, BSC 3402, PCB 4043C, PCB 4674, PCB 5415C, PCB 4723C, or approved biological science course)
- 2.0 UF GPA required

Semester 7

- Complete Physics I requirement: PHY 2053/PHY 2053L or PHY 2048/PHY 2048L
- · Complete at least two 3000/4000 level courses towards the required core coursework
- 2.0 UF GPA required

Semester 8

- · Complete all remaining major course requirements.
- 2.0 UF GPA required

Model Semester Plan

Students are expected to complete the Writing, Civic Literacy, summer enrollment, and Quest requirements while in the process of taking the courses below. Students are also expected to complete the general education international (GE-N) requirements concurrently with another general education requirement (typically, GE-C, H, or S) as part of the CLAS Basic Distribution requirements. One of the two general education mathematics courses must be a pure math course.

College of Liberal Arts and Sciences allows students additional flexibility in its Distribution Requirements. Students may count a maximum of 6 credits TOTAL from the CLAS Distribution course lists towards Humanities, Social and Behavioral Sciences, or Biological and Physical Sciences, with no more than 3 credits of Humanities, 3 credits of Social and Behavioral Sciences, or 6 credits of Biological or Physical Sciences.

The full list of major-specific requirements for this major can be found on the Overview tab. College of Liberal Arts and Sciences degree requirements can be found on the College's degree requirements page (https://catalog.ufl.edu/UGRD/colleges-schools/UGLAS/#degreerequirementstext).

Approved Zoology electives outside of the department may not count towards the 3000-level or above elective outside of the major. CHM 2211, CHM 2211L, PHY 2054, PHY 2054L, PHY 2049, and PHY 2049Lmay count towards 3000-level or above electives outside of the major.

To remain on track, students must complete the appropriate critical-tracking courses, which appear in bold. These courses must be completed by the terms as listed above in the Critical Tracking criteria.

This semester plan represents an example progression through the major. Actual courses and course order may be different depending on the student's academic record and scheduling availability of courses. Prerequisites still apply.

Course	Title				
Semester One					
Quest 1 (Gen Ed Humanities, if needed)		3			
CHM 2045	General Chemistry 1	4			
& 2045L	and General Chemistry Laboratory (Critical Tracking ; State Core Gen Ed Physical Sciences; Natural Science Laboratory) ¹				
MAC 2311	Analytic Geometry and Calculus 1 (Critical Tracking; State Core Gen Ed Mathematics)				
State Core Gen Ed Social and Behaviora #genedcoursestext)	l Sciences (http://catalog.ufl.edu/UGRD/academic-programs/general-education/	3			
	Credits	14			
Semester Two					
CHM 2046	General Chemistry 2				
& 2046L	and General Chemistry 2 Laboratory (Critical Tracking; Gen Ed Physical Sciences)				
Select one:		3-4			
MAC 2312	Analytic Geometry and Calculus 2 (Gen Ed Mathematics)				
STA 2023	Introduction to Statistics 1 (Gen Ed Mathematics)				
State Core Gen Ed Composition (http://o	catalog.ufl.edu/UGRD/academic-programs/general-education/#genedcoursestext); Writing	3			
		3			
Guest Z					
	Credite	16-17			
Semester Three	orcardo	10 11			
BSC 2010	Integrated Principles of Biology 1	4			
& 2010I	and Integrated Principles of Biology Laboratory (Critical Tracking : Gen Ed Biological				
~	Sciences)				
Select one:	,	3-4			
CHM 2210	Organic Chemistry 1 (Critical Tracking)				
CHM 3217	Organic Chemistry/Biochemistry 1 (Critical Tracking)				
Gen Ed Social and Behavioral Sciences		3			
State Core Gen Ed Humanities (http://catalog.ufl.edu/UGRD/academic-programs/general-education/#genedcoursestext)					

Credits16-17Semester FourBiology 24& 2011Integrated Principles of Biology Laboratory 2 (Critical Tracking; Gen Ed Biological Sciences)4& 2011Sciences)3-4CHM 2211Organic Chemistry 2 (ft CHM 2010 taken in semester 3)3-4CHM 2211Organic Chemistry/Biochemistry 22CHM 2211Organic Chemistry/Laboratory2Gen Ed Humanities6Credits15-16Semester Five15-16PHY 2053Physics 15& 20531and Laboratory for PHY 2053 (Critical Tracking)3Cology courses (Critical Tracking)5-10Credits13-18PCB 3063Genetics (Critical Tracking)4PHY 2054Physics 252060gy courses (Ortical Tracking)4PCB 3063Genetics (Critical Tracking)4CLAS Foreign Language Proficiency Requirement 14-5Zoology courses (Ortical Tracking)3-4Credits16-18Semester Six16-18Semester Six16-18Cology courses (Critical Tracking)3-4Credits16-18Semester Six16-18Semester Six16-18Semester Six16-18Semester Six16-18Semester Six16-18Credits16-18Semester Six16-18Semester Six16-18Credits16-18Semester Six16-18Cology course (Critical Tracking)3-5 <th>Elective</th> <th></th> <th>3</th>	Elective		3		
Semester Four BSC 2011 Integrated Principles of Biology 2 Aboratory 2 (Critical Tracking; Gen Ed Biological Sciences) Select one: CHM 2211 Organic Chemistry 2 (f CHM 2010 taken in semester 3) CHM 3218 Organic Chemistry/Biochemistry 2 CHM 3211 Organic Chemistry/Biochemistry 2 CHM 3211 Organic Chemistry Laboratory Cent 5 Credits Credits 15-16 Semester Five PHY 2053 Physics 1 Scoolgy courses (Critical Tracking) Credits and Laboratory for PHY 2053 (Critical Tracking) Credits 13-18 Semester Six PCB 3063 Genetics (Critical Tracking) Semester Six PCB 3063 Genetics (Critical Tracking) Credits 20544 PHY 2054 Physics 2 S 20544 and Laboratory for PHY 2054 Credits 13-18 Semester Six PCB 3063 Genetics (Critical Tracking) Credits 2054 S 20541 and Laboratory for PHY 2054 Credits Critical Tracking) Credits Critical Tracking) Credits Critical Tracking) Credits Critical Tracking) CLAS Foreign Language Proficiency Requirement 1 Credits 6 Semester Six Colodgy courses (Critical Tracking) Credits 15-18 Semester Six Colodgy courses (Critical Tracking) Credits 15-18 Semester Seven Credits 15-18 Semester Six Semester Seven Credits 15-18 Credits 15-18		Credits	16-17		
BSC 2011 Integrated Principles of Biology 2 4 & 2011L and Integrated Principles of Biology Laboratory 2 (Critical Tracking; Gen Ed Biological Sciences) 3.4 CHM 3218 Organic Chemistry 2 (If CHM 2010 taken in semester 3) 7 CHM 3218 Organic Chemistry/Biochemistry 2 2 Gen Ed Humanities 6 Credits 15-16 Select one: 7 Credits 15-16 Select one: 6 Credits 15-16 Select one: 6 Credits 15-16 Semester Five 15-16 PY 2053 Physics 1 5 Semester Five 7 Credits 13-18 Semester Six PCB 3063 Genetics (Critical Tracking) 4 Credits 16-18 Credits 16-18 Semester Six 16-18 Credits 16-18 Credits 16-18 16-	Semester Four				
& 2011L and Integrated Principles of Biology Laboratory 2 (Critical Tracking; Gen Ed Biological Sciences) 34 Select one: 34 CHM 2211 Organic Chemistry 2 (f CHM 2010 taken in semester 3) CHM 2211 Organic Chemistry 2 Biochemistry 2 CHM 2211 Organic Chemistry Laboratory 2 Gen Ed Humanities 6 Credits 15-16 Semester Five 152 PHY 2053 Physics 1 & 2053 and Laboratory for PHY 2053 (Critical Tracking) Gen Ed Composition; Writing Requirement 3 Zoology courses (Critical Tracking) 5-10 Credits 13-18 Semester Six 7 PCB 3063 Genetics (Critical Tracking) 4-5 & 2054 and Laboratory for PHY 2054 (Physics 2 & 2054 and Laboratory for PHY 2054 (Critical Tracking) 4-5 Credits 3-10 Credits 13-18 Semester Six 7 PCB 3063 Genetics (Critical Tracking) 4-5 & 2054 and Laboratory for PHY 2054 (Critical Tracking) 4-5 & 2054 and Laboratory for PHY 2054 (Critical Tracking) 4-5 & 2054 and Laboratory for PHY 2054 (Critical Tracking) 4-5 Zoology courses (Critical Tracking) 4-5 & 2054 Credits 11-12 Credits 15-18 Semester Seven 10-12 Zoology courses (Critical Tracking) 4-5 Electives (3000 level or above, not in major, if needed) 4-5 Credits 15-18 Zoology course (Critical Tracking) 6-7 Zoology course (Critical Tracking) 3-5 Electives (3000 level or above, not in major, if needed) 6-7 Zoology course (Critical Tracking) 6-5 Zoology course (Critical Tracking) 6-5 Zoology course (Critical Tracking) 7-5 Electives (3000 level or above, not in major, if needed) 6-5 Zoology course (Critical Tracking) 7-5 Electives (3000 level or above, not in major, if needed) 6-5 Electives (2000 level or above, not in major, if needed) 6-5 Electives (2000 level or above, not in major, if needed) 6-5 Electives (2000 level or above, not in major, if needed) 7-5 Electives (2000 level or above, not in major, if needed) 7-5 Electives (2000 level or above, not in major, if neede	BSC 2011	Integrated Principles of Biology 2	4		
Sciences) Select one:	& 2011L	and Integrated Principles of Biology Laboratory 2 (Critical Tracking; Gen Ed Biological			
Select one: 34 CHM 2211 Organic Chemistry 2 (if CHM 2010 taken in semester 3) CHM 2211 Organic Chemistry / Biochemistry 2 CHM 2211 Organic Chemistry / Biochemistry 2 CHM 2211 Organic Chemistry Laboratory 2 Gen Ed Humanities 6 Credits 15-16 Semester Five 9 PHY 2053 Physics 1 20053 Physics 1 3 20053 Critical Tracking) 5-10 Credits 13-18 Semester Six 9 PCB 3063 Genetics (Critical Tracking) 4 PHY 2054 Physics 2 2054 and Laboratory for PHY 2054 CLAS Foreign Language Proficiency Requirement 4 2006gy courses (Critical Tracking) 34 Semester Six 9 Credits 13-18 Semester Six 9 Semester Six 9 Credits 13-18 Semester Six 9 Credits 13-18 Semester Six 9 Credits 13-18 Semester Six 9 Semester Six 9 Credits 13-18 Semester Six 9 Semester Six		Sciences)			
CHM 2211 Organic Chemistry 2 (ff CHM 2010 taken in semester 3) CHM 2211 Organic Chemistry/Biochemistry 2 Gen Ed Humanities 6 Credits Semester Five PHY 2053 Physics 1 School Sola and Laboratory for PHY 2053 (Critical Tracking) Gen Ed Composition; Writing Requirement 3 Zoology courses (Critical Tracking) 5-10 Credits Semester Six PCB 3063 Genetics (Critical Tracking) Credits Support of PHY 2054 Check Critical Tracking) Credits Support of PHY 2054 Credits Credits Support of the approved biological sciences course; Critical Tracking) Credits Credits Credits Credits Credits Credits Credits Credits Credits Genetics (Critical Trackin	Select one:		3-4		
CHM 3218 Organic Chemistry/Biochemistry 2 CHM 32111 Organic Chemistry Laboratory 2 Gen Ed Humanities 6 Credits 15-16 Semester Five PHY 2053 Physics 1 Set Credits 7 Sology courses (Critical Tracking) Gen Ed Composition; Writing Requirement 3 Zoology courses (Critical Tracking) 6 Credits 7-10 Semester Six PCB 3063 Genetics (Critical Tracking) 4 Credits 7 Credits 7 Credits 6 Credits 6 Sology courses (Critical Tracking) 4 Credits 6 <td <="" colspan="2" td=""><td>CHM 2211</td><td>Organic Chemistry 2 (if CHM 2010 taken in semester 3)</td><td></td></td>	<td>CHM 2211</td> <td>Organic Chemistry 2 (if CHM 2010 taken in semester 3)</td> <td></td>		CHM 2211	Organic Chemistry 2 (if CHM 2010 taken in semester 3)	
CHM 2211L Organic Chemistry Laboratory 2 Gen Ed Humanities 6 Credits Semester Five PHY 2053 Physics 1 Semester Five PHY 2053 Physics 1 Gen Ed Composition; Writing Requirement Zoology courses (Critical Tracking) Gen Ed Composition; Writing Requirement Zoology courses (Critical Tracking) Credits Semester Six PCB 3063 Genetics (Critical Tracking) PCB 3063 Genetics (Critical Tracking) PCB 3063 Genetics (Critical Tracking) PCB 3063 Credits Zoology courses (or other approved biological sciences course; Critical Tracking) Credits POB 306 Critical Tracking) Credits Credits Credits Credits Credits Credits Credits Credits Credits Semester Sev	CHM 3218	Organic Chemistry/Biochemistry 2			
Gen Ed Humanities 6 Credits 15-16 Semester Five 7 PHY 2053 Physics 1 5 & 2053L and Laboratory for PHY 2053 (Critical Tracking) 3 Gen Ed Composition; Writing Requirement 3 3 Zoology courses (Critical Tracking) 510 7 Credits 13-18 7 Semester Six 7 7 PCB 3063 Genetics (Critical Tracking) 4 PHY 2054 Physics 2 5 & 2054L and Laboratory for PHY 2054 5 CLAS Foreign Language Proficiency Requirement ¹ 24-5 Zoology courses (or other approved biological sciences course; Critical Tracking) 34 Credits 16-18 Semester Seven 20 CLAS Foreign Language Proficiency Requirement ¹ 35 Sology courses (Critical Tracking) 24 Sology courses (Critical Tracking) 25 Zoology courses (Critical Tracking) 34 Semester Seven 20 CLAS Foreign Language Proficiency Requirement ¹ 35 Senester Eight 35 <	CHM 2211L	Organic Chemistry Laboratory	2		
Credits15-16Semester FivePHY 2053Physics 152053and Laboratory for PHY 2053 (Critical Tracking)5Gen Ed Composition; Writing Requirement33Zoology courses (Critical Tracking)5-10Credits13-18Semester SixPCB 3063Genetics (Critical Tracking)PCB 3063Genetics (Critical Tracking)4PVY 2054Physics 2520ology courses (or other approved biological sciences course; Critical Tracking)3-4CreditsCredits16-18Semester Seven6-7Zoology courses (Critical Tracking)6-7BC 4935Critical Analysis of Biological Research (recommended elective)2CLAS Foreign Language Proficiency Requirement 13-5Zoology course (or other approved biological sciences course)3-4Case (3000 level or above, not in major, if needed)6-7Semester Eight3-5Zoology course (or other approved biological sciences course)3-5Sonolgy course3-5Zoology course3-5Zoology course3-5Zoology course3-5Zoology course3-5Zoology course (or other approved biological sciences course)3-4Electives (3000 level or above, not in major, if needed)6Electives (3000 level or above, not in major, if needed)6Electives (3000 level or above, not in major, if needed)6Electives (3000 level or above, not in major, if needed)6Electives (3000 level	Gen Ed Humanities		6		
Semester Five 5 PHY 2053 Physics 1 3 2053L and Laboratory for PHY 2053 (Critical Tracking) 3 Gen Ed Composition; Writing Requirement 3 Zoology courses (Critical Tracking) 5-10 Credits 13-18 Semester Six 9 PCB 3063 Genetics (Critical Tracking) 4 PHY 2054 Physics 2 5 2054L and Laboratory for PHY 2054 4 CLAS Foreign Language Proficiency Requirement ¹ 4-5 Zoology courses (or other approved biological sciences course; Critical Tracking) 3-4 Credits 16-18 Semester Seven 2 Zoology courses (Critical Tracking) 6-7 SC4 3936 Critical Analysis of Biological Research (recommended elective) 2 CLAS Foreign Language Proficiency Requirement ¹ 3-5 2 Zoology course (or other approved biological sciences course) 6-7 2 CLAS Foreign Language Proficiency Requirement ¹ 3-5 2 3-7 Zoology course (Critical Tracking) 6-7 3-1 3-1 Semester Stem 3-1 <td></td> <td>Credits</td> <td>15-16</td>		Credits	15-16		
PHY 2053 Physics 1 5 & 2053L and Laboratory for PHY 2053 (Critical Tracking) 3 Gen Ed Composition; Writing Requirement 3 3 Zoology courses (Critical Tracking) 510 13-18 Semester Six PCB 3063 Genetics (Critical Tracking) 4 PHY 2054 Physics 2 5 2054L and Laboratory for PHY 2054 4 CLAS Foreign Language Proficiency Requirement 1 4-5 4-5 4-5 Zoology courses (Critical Tracking) 3-4 3-4 Zoology courses (Critical Tracking) 3-5 2 3-5 Zoology course (Critical Tracking) 3-5 3-5 2 3-5 3-5 Zoology course Credits 3-5 3-5 3-5	Semester Five				
& 2053L and Laboratory for PHY 2053 (Critical Tracking) 3 Gen Ed Composition; Writing Requirement 3 Zoology courses (Critical Tracking) 5-10 Credits 13-18 Semester Six PCB 3063 Genetics (Critical Tracking) 4 PHY 2054 Physics 2 5 5 & 2054L and Laboratory for PHY 2054 5 5 CLAS Foreign Language Proficiency Requirement 1 4-5 5 Zoology courses (or other approved biological sciences course; Critical Tracking) 3-4 4 Credits 16-18 5 Semester Seven 16-18 5 Zoology courses (Critical Tracking) 6-7 2 Scology course (Critical Tracking) 6-7 2 Scology course (Critical Tracking) 6 2 Scology course	PHY 2053	Physics 1	5		
Gen Ed Composition; Writing Requirement 3 Zoology courses (Critical Tracking) 5-10 Credits 13-18 Semester Six PCB 3063 Genetics (Critical Tracking) 4 PY 2054 Physics 2 5 5 & 2054L and Laboratory for PHY 2054 5 2054 6 CLAS Foreign Language Proficiency Requirement ¹ 2-4-5 20ology courses (or other approved biological sciences course; Critical Tracking) 3-4 Credits Credits 16-18 Semester Seven 16-7 8000 yourses (Critical Tracking) 6-7 Scology courses (Critical Tracking) 6-7 3-5 5 Scology courses (Critical Tracking) 6-7 3-5 5 Scology courses (Critical Tracking) 6-7 3-5 5 <td>& 2053L</td> <td>and Laboratory for PHY 2053 (Critical Tracking)</td> <td></td>	& 2053L	and Laboratory for PHY 2053 (Critical Tracking)			
Zoology courses (Critical Tracking)5-10Credits13-18Semester SixPCB 3063PCB 3063Genetics (Critical Tracking)P1Y 2054Physics 2& 20541and Laboratory for PHY 2054CLAS Foreign Language Proficiency Requirement ¹ Zoology courses (or other approved biological sciences course; Critical Tracking)34CreditsSemester SevenZoology courses (Critical Tracking)CLAS Foreign Language Proficiency Requirement ¹ Senester SevenZoology courses (Critical Tracking)CLAS Foreign Language Proficiency Requirement ¹ Scology courses (Critical Tracking)Senester SevenZoology courses (Critical Tracking)Coology courses (Critical Tracking)Senester SevenZoology courses (Critical Tracking)Coology courses (Critical Tracking)Scology courses (Critical Analysis of Biological Research (recommended elective)CLAS Foreign Language Proficiency Requirement ¹ Senester EightZoology courseZoology courseZoology courseCreditsStology courseScology courseSology course<	Gen Ed Composition; Writing	Requirement	3		
Credits13-18Semester SixPCB 3063Genetics (Critical Tracking)4PCB 3063Genetics (Critical Tracking)4PLY 2054Physics 25& 2054Land Laboratory for PHY 20545CLAS Foreign Language Proficiency Requirement 14-5Zoology courses (or other approved biological sciences course; Critical Tracking)3-4CreditsCreditsSemester Seven16-18Zoology courses (Critical Tracking)6-7BSC 4936Critical Analysis of Biological Research (recommended elective)2CLAS Foreign Language Proficiency Requirement 13-5Electives (3000 level or above, not in major, if needed)4Credits15-18Zoology course (or other approved biological sciences course)3-4Electives (3000 level or above, not in major, if needed)6Electives (3000 level or above, not in major, if needed)6Electives (3000 level or above, not in major, if needed)6Electives (3000 level or above, not in major, if needed)6Electives (3000 level or above, not in major, if needed)6Electives (3000 level or above, not in major, if needed)6Electives (3000 level or above, not in major, if needed)6Electives (3000 level or above, not in major, if needed)6Elective (or CLAS Foreign Language Proficiency Requirement if 4-3-3 language option) 13State15-18Total Credits120	Zoology courses (Critical Tra	cking)	5-10		
Semester SixPCB 3063Genetics (Critical Tracking)4PHY 2054Physics 25& 2054Land Laboratory for PHY 20545CLAS Foreign Language Proficiency Requirement 14-5Zoology courses (or other approved biological sciences course; Critical Tracking)3-4Credits16-18Semester Seven6-7Zoology courses (Critical Tracking)6-7BSC 4936Critical Analysis of Biological Research (recommended elective)2CLAS Foreign Language Proficiency Requirement 13-5Electives (3000 level or above, not in major, if needed)4Zoology course3-5Zoology course (or other approved biological sciences course)3-5Semester Eight3-5Zoology course (or other approved biological sciences course)3-4Liectives (3000 level or above, not in major, if needed)6Electives (3000 level or above, not in major, if needed)3-5Zoology course (or other approved biological sciences course)3-4Elective (or CLAS Foreign Language Proficiency Requirement if 4-3-3 language option) 16Elective (or CLAS Foreign Language Proficiency Requirement if 4-3-3 language option) 15-18Total Credits15-18Total Credits120		Credits	13-18		
PCB 3063Genetics (Critical Tracking)4PHY 2054Physics 25& 2054Land Laboratory for PHY 20545CLAS Foreign Language Proficiency Requirement 14-5Zoology courses (or other approved biological sciences course; Critical Tracking)3-4CreditsCoreditsCoology courses (Critical Tracking)6-7Semester SevenCoology courses (Critical Tracking)Colspan="2">Critical Analysis of Biological Research (recommended elective)2CLAS Foreign Language Proficiency Requirement 1CreditsCoology course (Critical Tracking)Coology courses (Critical Tracking)Coology courses (Critical Tracking)Coology courses (Critical Tracking)ClAS Foreign Language Proficiency Requirement 1Coology courses (Critical Tracking)Coology courses (Critical Tracking)Coology courses (Critical Tracking)Coology courses (Critical Tracking)Coology course (Critical Tracking) <td cols<="" td=""><td>Semester Six</td><td></td><td></td></td>	<td>Semester Six</td> <td></td> <td></td>	Semester Six			
PHY 2054 Physics 2 5 & 2054L and Laboratory for PHY 2054 4-5 CLAS Foreign Language Proficiency Requirement 1 4-5 Zoology courses (or other approved biological sciences course; Critical Tracking) 3-4 Credits Semester Seven Zoology courses (Critical Tracking) 6-7 BSC 4936 Critical Analysis of Biological Research (recommended elective) 2 CLAS Foreign Language Proficiency Requirement 1 3-5 Electives (3000 level or above, not in major, if needed) 4 Credits Semester Eight 3-5 Zoology course (or other approved biological sciences course) 3-5 Zoology course 3-4 Electives (3000 level or above, not in major, if needed) 6 Electives (30	PCB 3063	Genetics (Critical Tracking)	4		
& 2054L and Laboratory for PHY 2054 CLAS Foreign Language Proficiency Requirement 1 4-5 Zoology courses (or other approved biological sciences course; Critical Tracking) 3-4 Credits Semester Seven Zoology courses (Critical Tracking) 6-7 BSC 4936 Critical Analysis of Biological Research (recommended elective) 2 CLAS Foreign Language Proficiency Requirement 1 3-5 Electives (3000 level or above, not in major, if needed) 4 Credits Semester Eight Zoology course (or other approved biological sciences course) 3-5 Zoology course (or other approved biological sciences course) 3-5 Zoology course 3-5 Zoology course (or other approved biological sciences course) 3-5 Zoology course (or other approved biological sciences course) 3-5 Zoology course (or other approved biological sciences course) 3-4 Electives (3000 level or above, not in major, if needed) 6 Elective (or CLAS Foreign Language Proficiency Requirement if 4-3-3 language option) 3 Credits 15-18 Total Credits 15-18	PHY 2054	Physics 2	5		
CLAS Foreign Language Proficiency Requirement ¹ 4-5 Zoology courses (or other approved biological sciences course; Critical Tracking) 3-4 Credits Semester Seven Zoology courses (Critical Tracking) 6-7 BSC 4936 Critical Analysis of Biological Research (recommended elective) 2 CLAS Foreign Language Proficiency Requirement ¹ 3-5 Electives (3000 level or above, not in major, if needed) 4 Credits Semester Eight Zoology course (or other approved biological sciences course) Zoology course 3-5 Zoology course (or other approved biological sciences course) 3-5 Zoology course 3-5 Zoology course (or other approved biological sciences course) 3-5 Zoology course (or other approved biological sciences course) 3-4 Electives (3000 level or above, not in major, if needed) 6 Elective (or CLAS Foreign Language Proficiency Requirement if 4-3-3 language option) 1 Credits 15-18 Total Credits 15-18	& 2054L	and Laboratory for PHY 2054			
Zoology courses (or other approved biological sciences course; Critical Tracking)3-4Credits16-18Semester Seven2Zoology courses (Critical Tracking)6-7BSC 4936Critical Analysis of Biological Research (recommended elective)2CLAS Foreign Language Proficiency Requirement ¹ 3-5Electives (3000 level or above, not in major, if needed)4Credits15-18Semester Eight3-5Zoology course (or other approved biological sciences course)3-4Electives (3000 level or above, not in major, if needed)6Electives (3000 level or above, not in major, if needed)3-5Zoology course3-5Zoology course (or other approved biological sciences course)3-4Electives (3000 level or above, not in major, if needed)6Elective (or CLAS Foreign Language Proficiency Requirement if 4-3-3 language option)3Credits15-18Total Credits120	CLAS Foreign Language Proficiency Requirement				
Credits16-18Semester SevenZoology courses (Critical Tracking)6-7BSC 4936Critical Analysis of Biological Research (recommended elective)2CLAS Foreign Language Proficiency Requirement 13-5Electives (3000 level or above, not in major, if needed)4Credits15-18Semester EightZoology course3-5Zoology course (or other approved biological sciences course)3-4Electives (3000 level or above, not in major, if needed)6Electives (3000 level or above, not in major, if needed)6Electives (3000 level or above, not in major, if needed)6Elective (or CLAS Foreign Language Proficiency Requirement if 4-3-3 language option) 13Credits15-18Total Credits15-18 <td cols<="" td=""><td colspan="3">Zoology courses (or other approved biological sciences course; Critical Tracking)</td></td>	<td colspan="3">Zoology courses (or other approved biological sciences course; Critical Tracking)</td>	Zoology courses (or other approved biological sciences course; Critical Tracking)			
Semester Seven 6-7 Zoology courses (Critical Tracking) 6-7 BSC 4936 Critical Analysis of Biological Research (recommended elective) 2 CLAS Foreign Language Proficiency Requirement 1 3-5 Electives (3000 level or above, not in major, if needed) 4 Credits Semester Eight Zoology course (or other approved biological sciences course) 3-5 Zoology course (or other approved biological sciences course) 3-4 Elective (3000 level or above, not in major, if needed) 6 Elective (or CLAS Foreign Language Proficiency Requirement if 4-3-3 language option) 1 3 Credits 15-18 Total Credits 15-18		Credits	16-18		
Zoology courses (Critical Tracking)6-7BSC 4936Critical Analysis of Biological Research (recommended elective)2CLAS Foreign Language Proficiency Requirement 13-5Electives (3000 level or above, not in major, if needed)4CreditsSemester EightZoology course3-5Zoology course (or other approved biological sciences course)3-4Electives (3000 level or above, not in major, if needed)6Electives (3000 level or above, not in major, if needed)6Zoology course (or other approved biological sciences course)3-4Electives (3000 level or above, not in major, if needed)6Elective (or CLAS Foreign Language Proficiency Requirement if 4-3-3 language option) 13CreditsTotal Credits120	Semester Seven				
BSC 4936Critical Analysis of Biological Research (recommended elective)2CLAS Foreign Language Proficiency Requirement 13-5Electives (3000 level or above, not in major, if needed)4CreditsSemester EightZoology course3-5Zoology course (or other approved biological sciences course)3-4Electives (3000 level or above, not in major, if needed)6Elective (or CLAS Foreign Language Proficiency Requirement if 4-3-3 language option)3Credits15-18Total Credits120	Zoology courses (Critical Tra	cking)	6-7		
CLAS Foreign Language Proficiency Requirement 1 3-5 Electives (3000 level or above, not in major, if needed) 4 Credits Semester Eight Zoology course 3-5 Zoology course (or other approved biological sciences course) 3-4 Electives (3000 level or above, not in major, if needed) 6 Elective (or CLAS Foreign Language Proficiency Requirement if 4-3-3 language option) 1 3 Credits 15-18 Total Credits 120	BSC 4936	Critical Analysis of Biological Research (recommended elective)	2		
Electives (3000 level or above, not in major, if needed)4Credits15-18Semester Eight3-5Zoology course3-5Zoology course (or other approved biological sciences course)3-4Electives (3000 level or above, not in major, if needed)6Elective (or CLAS Foreign Language Proficiency Requirement if 4-3-3 language option)3Credits15-18Total Credits120	CLAS Foreign Language Prof	iciency Requirement ¹	3-5		
Credits15-18Semester EightZoology courseZoology course3-5Zoology course (or other approved biological sciences course)3-4Electives (3000 level or above, not in major, if needed)6Elective (or CLAS Foreign Language Proficiency Requirement if 4-3-3 language option)3Credits15-18Total Credits120	Electives (3000 level or above	e, not in major, if needed)	4		
Semester EightZoology course3-5Zoology course (or other approved biological sciences course)3-4Electives (3000 level or above, not in major, if needed)6Elective (or CLAS Foreign Language Proficiency Requirement if 4-3-3 language option)3Credits15-18Total Credits120		Credits	15-18		
Zoology course3-5Zoology course (or other approved biological sciences course)3-4Electives (3000 level or above, not in major, if needed)6Elective (or CLAS Foreign Language Proficiency Requirement if 4-3-3 language option)3Credits15-18Total Credits120	Semester Eight				
Zoology course (or other approved biological sciences course) 3-4 Electives (3000 level or above, not in major, if needed) 6 Elective (or CLAS Foreign Language Proficiency Requirement if 4-3-3 language option) ¹ 3 Credits 15-18 Total Credits 120	Zoology course		3-5		
Electives (3000 level or above, not in major, if needed) 6 Elective (or CLAS Foreign Language Proficiency Requirement if 4-3-3 language option) ¹ 3 Credits 15-18 Total Credits 120	Zoology course (or other approved biological sciences course)				
Elective (or CLAS Foreign Language Proficiency Requirement if 4-3-3 language option) 3 Credits 15-18 Total Credits 120	Electives (3000 level or above, not in major, if needed)				
Credits 15-18 Total Credits 120	Elective (or CLAS Foreign Language Proficiency Requirement if 4-3-3 language option) ¹				
Total Credits 120	Credits				
		Total Credits	120		

CLAS Foreign Language Proficiency Requirement (https://catalog.ufl.edu/UGRD/colleges-schools/UGLAS/#degreerequirementstext)

Academic Learning Compact

1

The Bachelor of Science in Zoology offers students an education in the life sciences with an emphasis on animal systems. Students gain knowledge about the diversity of life (its evolution and significance) and about the structure of organisms and ecosystems and how they function (i.e., the acquisition, flow, organization, and uses of information, energy, and nutrients in living systems). They will learn about the scientific method and how it facilitates the discovery of new knowledge in zoology and biology. This includes how to critically evaluate hypotheses and conclusions in science using verifiable data and how to clearly and effectively communicate the major concepts and hypotheses in zoology and biology and in an appropriate style of presentation.

Before Graduating Students Must

- · Pass an assessment in the two or three 3000/5000-level Zoology courses.
- · Complete requirements for the baccalaureate degree, as determined by faculty.

Students in the Major Will Learn to

Student Learning Outcomes | SLOs

Content

1. Identify, describe and define the basic terminology, concepts, methodologies, and theories used within the biological sciences.

Critical Thinking

- 2. Analyze biological information and develop reasoned solutions to problems using the processes and applications of scientific inquiry.
- 3. Discriminate ethical behavior from unethical behavior in scientific research.

Communication

4. Communicate knowledge, ideas, and reasoning clearly and effectively in written or oral forms appropriate to the biological sciences.

Curriculum Map

I = Introduced; R = Reinforced; A = Assessed

Courses	SL0 1	SL0 2	SLO 3	SLO 4
BSC 2010	I	I	I	
BSC 2011	1	1	I	
PCB 3063	R	R		I
PCB 3713	R	R		R
PCB 4043C	R/A	R/A	R/A	R/A
PCB 4674	R/A	R/A		R/A
PCB 4723C	R/A	R/A		R/A
ZOO 4205C	R	R		
ZOO 4307C	R	R		

Assessment Types

- Biology Field Test
- Bioethics module quiz
- Scientific literacy paper