Major Progress Tracker: Ecology & Evolution For majors declared Fall 2020 and later

Name					PS #		Date	
TARGET GRAD	UATION DATE:							
BIOSC COURSES					<u>General Edu</u>	cation Requ	lirements (Fall 2	2018 & later)
	ust total a minimum of			urooo	Wrkshp Comp	5	Sem in Comp	
	n a grade of <u>C or higher</u>	in ai	вююду со	Jurses	Writ #1	,	Writ #2 <u>(in B</u>	IOSC)
Core Courses		Cr	Grade	Notes				
005X Foundations	Bio Lab 1	1					ormal Reas	
006X Foundations	Bio Lab 2	1						
0150 Foundations	Bio 1 (UHC0155)	3			Diversity Course The Diversity course may be used to fulfill another General Education Requirement.			er General
0160 Foundations	Bio 2 (UHC0165)	3						
0350 Genetics		3			<u>Division Requirements (Humanities, Arts, Social</u> <u>Sciences, Natural Sciences)</u>			<u>Social</u>
0370 Ecology*		3			Literature			
1130 Evolution		3			The Arts			
0390 Ecology Lab (F)		1			Creative Work			
1120 Biostatistics (F)		3			Philosophical Thinking/Ethics			
Electives		Cr	Grade	Notes	Social Science			
(Field Course♦)		3			Historical Analysis			
(E&E Elective*)		3			Natural Sciences <u>Fulfilled by Major</u>			
(E&E Elective*)		3			Global Awareness & Cultural Understanding			nding
0391 OR 1551 (WRIT)#		1			Global Issues			
Capstone		Cr	Grade	Notes	Geographic Region			
1550 Sr Seminar Eco/Ev (Sp)					Cross-Cultural	Awareness		
NOTES				120	Date	Co-req GPA	BIOSC GPA	
Color coding ♦ Field Course			he field	TOTAL				
course requirement.			ues nut satisty t		credits			
See next page for approved					required			
* Electives # Writing Practicum	See next page for approved I BIOSC 0391 must be taken		ectives. DSC 1551 must	he taken	for degree	See n 2 fer O	DA aplaulation dataila	
concurrently with BIOSC 0390.			ncurrently with E		L	See p.2 for G	PA calculation details	
		15	50.					

CO-REQUISITES FOR MAJOR TRACKS

You must average a 2.000 GPA in your chosen track of co-requisite courses. Track 1: CHEMIPHYSICAL Track 2: QUANTITATIVE Track

MATH	Cr	Grade	Notes
MATH 0220 Calc 1	4		
STAT 1000 Appl Stat⁺	4		
CHEM	Cr	Grade	Notes
0110 Gen Chem 1			
0120 Gen Chem 2	4		
0310 Org Chem 1	3		
0320 Org Chem 2	3		
0345/0745 Org Lab	2		
PHYS	Cr	Grade	Notes
0110 Phys 1 (alg) OR 0174 Phys 1 (calc)	3-4		
0111 Phys 2 (alg) OR 0175 Phys 2 (calc)	3-4		

MATH	Cr	Grade	Notes		
0220 Calc 1*					
0230 Calc 2*	4				
CHEM	Cr	Grade	Notes		
0110 Gen Chem 1	4				
0120 Gen Chem 2	4				
STAT	Cr	Grade	Notes		
STAT 1000 Appl Stat⁺	4				
1221 Appl Regress ^o (Sp)	3				
1261 Data Science (F)	3				
1301 Stat Packages (F) 3					
* MATH 0235 = 0220 + 0230 + STAT 0200 <u>not</u> useable for the major º Pre-req: B- or higher in STAT 1000					

Track 3: ENVIRONMENTAL					
MATH	Cr	Grade	Notes		
MATH 0220 Calc 1	4				
STAT 1000 Appl Stat+	4				
CHEM	Cr	Grade	Notes		
0110 Gen Chem 1	4				
0120 Gen Chem 2	4				
GEOL	Cr	Grade	Notes		
0055 Geology Lab	2				
0820 Nat Disast (Sp) OR	3				
0840 Environ Sci	3				
1030 Atm,Ocn,Clim	3				
1445 GIS, GPS (F, Sm)	3				
1516 Env Geochem	4				

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Note on Major Timeline

This major is designed to be completed in 4 academic years. Specific course sequencing cannot be changed. If you are looking for a major that can be completed in fewer than 4 academic years, we offer a BS in Biological Sciences which is much more flexible in course sequencing. Occasionally a student bringing in transfer credit may have a different timeline; please see a Bio Advisor to discuss.

<u>Approved E&E electives for the major</u>: Course offerings and timings may vary from year to year. Check the Master Course List on <u>this page</u> for up-to-date info.

n	the maste	i oouise List on this page for t	ap-io-uai
	BIOSC #	Course Name	Cr
	1000	Biochemistry	3
	1200	Vertebrate Morphology	3
	1320	Population Biology	3
	1350	Plant Biology (F odd)	3
	1375	Tropical Biology (F even)	3
	1435	Environmental Phys of Animals	3
	1440	Animal Behavior	3
	1445	Animal Communication	3
	1520	Developmental Biology	3
	1540	Computational Biology	3
	1275	Genomics	3
	1850	Microbiology	3
	1998	Beneficial Microbes	3

Student may also take the following to count as E&E elective credits for the major:

- Additional PLE field courses (see below).
- Appropriate graduate courses with departmental and instructor permission.

BIOSC 1690 and 1900-1909 are not usable as elective credits for major.

Approved Field Courses: Select ONE (additional field courses may be taken for elective credits)

				cology – Summer	
	Not all courses	are offered e	every year. A	Ask your advisor for details.	
BIOSC #	Course Name	Cr	BIOSC #	Course Name	Cr
1140	Behavioral Ecology	3	1330	Field Botany	3
1160	Forest Ecology	3	1340	Field Entomology	3
1170	Freshwater Ecology	3	1360	Ecology of Fungi	3
1180	Ecology of Amphibians & Reptiles	3	1390	Field Techniques in Eco & Conservation	3
1190	Aquatic Entomology	3	1400	Disease Ecology	3
1220	Ecological Field Studies	3	1415	Field Mammology	3
1230	Ornithology	3	1420	Wildlife Management	3
1260	Aquatic Botany	3	1600	Stream Ecology	3
1270	Ecology of Fish	3	1610	Conservation Biology	3
1310	Wetland Ecology & Management	3			
Alternati	ve Option		-	·	
BIOSC 12	21: Urban Ecological Field Studies (1 credit)			
On-campu	s (Fall-only)				
*Requires	an additional 2 cr of EE electives to get to 3	2 credits			

Ecology & Evolution WRIT Practica Courses

Select one (either satisfies the WRIT Requirement for E&E Majors when taken along with the lab or seminar):

- BIOSC 0391: Ecology Lab Writing Practicum (F, 1cr)
- BIOSC 1551: Ecology & Evolution Seminar Writing Practicum (Sp, 1cr)

Grade and GPA Requirements:

- a) You must have a grade of "C" or better in your 32 credits of Biology courses for the major. However, a C-, D+, D, D- can count towards your total 120 credits for the bachelor's degree, and is averaged into your BIOSC GPA.
- b) AND an overall BIOSC GPA (32 plus any extra BIOSC credits) of 2.000 or better.
- c) AND your <u>corequisite GPA</u> must *average* to 2.000 or better. [Thus, a grade lower than C in the co-reqs can be used if the co-req GPA still averages to 2.000. See **exceptions** below.]
 - Exceptions:
 - i. Students must earn a grade of C or better in CHEM 0110 and CHEM 0120 for the major.
 - ii. Students must earn a grade of C or better in PHYS 0110/0174 to enroll in PHYS 0111/0175.
 - iii. Students must earn a grade of C or better in MATH 0220 to enroll in MATH 0230.
 - iv. Students must earn a grade of B- or better in STAT 1000 to enroll in STAT 1221.

Calculating your GPA - The Bio advisors have a GPA calculator spreadsheet – ask and we'll send it to you.