TRACK NAME UCF ID DATE



Biology Roadmap 2021-2024



All prerequisite courses require a "C" (2.0) or better

	Common Prog	ram Pr	erequisit	es - "C" (2.0)	or better i	n each cours	e												
		Credits	Status					Credits	Status										
BSC2010C	Biology I (GEP)	4		CHM2210	Organ	ic Chemistry I		3											
	PR: High school biology					PR: CHM 2046													
BSC2011C	Biology II	4		CHM2211	Organ	ic Chemistry II		3											
	PR: BSC 2010C					PR: CHM 2210													
				CHM2211L	Organ	ic Laboratory ⁻	Techniques I	2											
CHM2045C	Chemistry Fundamentals I (GEP)	4				PR: CHM 2046L	and CHM 2210												
	PR: CHM 1025 or CPE, and MAC 1105 or MPT				Also satisfie	d by CHM2205	followed by CHM3120 and C	HM3120L											
CHM2046	Chemistry Fundamentals II	3					,												
	PR: CHM 2045C, and MAC 1105C or MPT			Biology Core Requirements: "C" (2.0) or better in each course															
CHM2046L	Chemistry Fundamentals Lab	1						Credits	Status										
	PR or CR: CHM2046			PCB3044*	Princi	oles of Ecology	1	3											
						PR: CHM2045, B	SSC 2010C & BSC2011C												
MAC2311C	Calculus with Analytic Geometry I	4		PCB3063*	Genet	ics		3											
OR	PR: MAC1140C & MAC1114C, or MPT					PR: BSC2011C or													
MAC2233	Concepts of Calculus	3		PCB3023*		ular Cell Biolo	= -	3											
	PR: MAC 1140C or MPT						5 or CHM3120, and BSC2010C, and PCB	3063											
				PCB4683*	Evolut	ionary Biology		4											
STA2023	Statistical Methods I (GEP)	3		14/	l f f	PR: JR Standing	& PCB 3063												
	PR: MGF 1106 or any MAC course			Were all four of the above courses YES □ nothing further needed															
PHY2053	College Physics I	3			at UCF?	NO 🗆	check overall UL residency:	of .	22										
11112033	PR: MAC 1114C or higher, or MPT	3		tuken	it OCI :	Upper Le													
PHY2053L	College Physics I Lab	1		Lab A	PCB3044L	Principles of E	·												
PH12033L	PR or CR: PHY 2053	1		Lab A	PCB3044L	Genetics Labor	= :	1											
	Also satisfied by PHY 2053C (4cr, Lab included)			Choose one	PCB3663L	Evolutionary B	•	1											
	Also satisfied by PHY 2048C, or PHY 2048 & Lab (PR: MAC2311C)			r CD4003L	Lvoidtionary B	nology Lab												
				Lab B A second Lab A course, or other lab elective (see second page)															
PHY2054	College Physics II	3		Upper Level Electives															
	PR: PHY 2053				22.	Cradit Haurs	of Flortings Soc Socond Bas	70											
PHY2054L	College Physics II Lab	1		22 Credit Hours of Electives - See Second Page															
	PR or CR: PHY 2054					Oth	ner Requirements												
	Also satisfied by PHY 2054C (4cr, Lab included)				UCF GPA		Major GPA	Exit											
Also satisfied by PHY 2049C, or PHY 2049 & Lab (PR: PHY 2048 & MAC2312)					•	 2.0 minimum	2.0 minimum	Exam*											
	THE BIOLOGY EXIL EXAM COVERS THE JOHOWING COTE CO	Juises. E	Jiology I, B	ology II, Gelle	ires, Leurogy	, iviolecului Ce	Biology, and Evolutionary Biol	* The Biology Exit Exam covers the following core courses: Biology I, Biology II, Genetics, Ecology, Molecular Cell Biology, and Evolutionary Biology.											

V.	Biology Ma	ajor B.	S. –	Pr	e-He	alth 1	Гrack	UL Restrict	ed Electives (2021-24 Cat Ye	ars)					\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
\mathcal{U}^{-}	KEY: R = Elective Residency (Taught by UCF Biology Dept) L						pt) L = L	Lab Option A = Animal/Zoology Option P = Plant/Botany Option							\mathcal{U}
	Course Detail	R	L	Α	Р	Cr	Status		Course Detail	R	L	Α	Р	Cr	Status
REQUIRED -	- Complete 9+ Credits		"C"	or b	etter i	require	ed	BSC 4456C	Programming for Biologists	R				3	
3CH 4024	Medical Biochemistry					4		BSC 4473C	Scientific Diving	R				4	
3CH 4053	Biochemistry IOR					3		BSC 4821	Biogeography	R				4	
MCB 3020C	General Microbiology		L			5		ENY 4004C	General Entomology	R	L	Α		4	
CB 4723	Animal Physiology	R		Α		4		ENY 4455C	Social Insect Behavior	R	L	Α		4	
200 3713	Comparative Vertebrate Anatomy	R		Α		4		OCE 3008	Oceanography	R				3	
200 4603C	Embryology/Development	R	L	Α		5		PAZ 4234	Zoo and Aquarium Management	R				3	
RESTRICTED	O - Complete 5+ Credits	Ad	ditio	onal	From	Above	e, or:	PCB 3044L	Principles of Ecology Lab	R	L*			1	
3CH 4054	Biochemistry II					3		PCB 3063L	Genetics Laboratory	R	L*			1	
3OT 4850	Medical Botany	R			Р	3		PCB 3354	Tropical Ecology and Conservatio	n R				3	
SC 4927	Sci and Public Engage for Bio Majors	R				3		PCB 3355L	Tropical Marine Biology	R				2	
PCB 3233	Immunology					3		PCB 3442	Aquatic Ecology	R				3	
CB 3522	Molecular Biology I					3		PCB 4301C	Wetland Ecology & Biogeochem.	R	L			4	
	Human Physiology					4		PCB 4353	Fl Ecology, Natural History & Con.					3	
	Epigenetics	R				3		PCB 4353L	Florida Ecology Lab	R	L			1 -	
	Molecular Biology II					3		PCB 4932	Population Ecology	R				3	
SC 4912	Directed Independent Research ¹	R				3-4		PCB 4402	Disease Ecology & Ecoimmunolog					3	
SC 4941	Biology Internship ¹	R				3-4		PCB 4408	Urban Ecology	R				3 -	
	Human Anatomy					4		PCB 4413	Sensory Ecology	R				3	
200 4513	Animal Behavior	R		Α		3		PCB 4575	Wildlife Genomics	R				3 -	
	Comparative Vertebrate Histology	R	1	Α		4		PCB 4683L	Evolutionary Biology Lab	R	L*			1 -	
								ZOO 3001	Integrated Principles of Zoology	R	_	Α		3	
NON-TRACE	K / GENERAL TRACK OPTIONS							ZOO 3454	Ichthyology	R		Α		3 -	
	Primatology			Α		3		ZOO 3713L	Comp Vert Anat Lab	R	1	,,		1 -	
	Principles of Plant Science ²	R			Р	3 -		ZOO 4205C	Invertebrate Biodiversity	R	ī	Α		4	
3OT 3802	Ethnobotany ²	R			P	3 -		ZOO 4272	Ornithology	R	_	Α		3	
	Cul Botany Across the Cultures	R	L		P	4 -		ZOO 4310C	<u> </u>	R	1	Α		4	
	Plant Anatomy	R	ī		P	4		ZOO 4405C	<u>.</u>		ī	Α		3	
	Plant Kingdom	R	L		Р	4		ZOO 4462C	Herpetology	R	1	Α		4	
	Plant Physiology	R	L		P	4 -		ZOO 4480	Mammalogy	R	_	Α		4	
	Plant Taxonomy	R	ī		P	5 -		ZOO 4480L	Mammalogy Lab	R	- 1	,,		1 -	
3SC 3052	Conservation Biology	R	_			3 _		ZOO 4910L	Res in Animal Beh. in a Zoo Env	R	ī	Α		3	
3SC 3332	Principles of Marine Biology	R				3 -					_	, ,		_	
3SC 3403C	Quantitative Biological Methods					4								_	
3SC 3453C	Bio Res. Meth & Exp Design	R				3 -			Only a few elective courses are offe						
	Advanced Marine Biology	R	L			4		perforr	ning class search using Department	t > Biology	(to fii	nd "R	" eled	ctive c	ourses)
3SC 4312C	Invasion Biology	R	_			ີ -									
	Genomics Laboratory	R	1			<u> </u>		Cu	rrent & IP Total:	_ / 22	N	eede	ed: _		
Requiren	,	IX.	Pla	nt /	[/] Bota	iny		Lab A (L*)	10+ Residence						
Met	· · · · · · · · · · · · · · · · · · ·			_	se (P)			Lab B (L)	Elective Hours (R)					

You may only earn a MAXIMUM OF 4 CREDIT HOURS from internship, research and independent study (collectively) towards your Biology electives.

NAME UCF ID DATE

NOTES

PROJECTED SCHEDULE

Semester Semester Semester

Semester

If planning through graduation, you *may* need to include upper-level "free electives" to meet the university requirement of 42 upper level credit hours. Best practice is to focus on major courses as free electives can be taken your final semester if needed.

Semester

UL Credits remaining out of 42:

Semester

UL Credits remaining in major:

Room for Free Electives?

No

Yes