## East Central UniversityA1:K49

## BIOLOGY- Health Science Conc.

Major Code=004C / 2024-2025 Academic Catalog

Student Name:				Student ID #			
30 hours at ECU completed				Advisor:			
60 hours	at Sr college	completed					
	upper level			OSRHE C	omputer P	roficiency Requirement met	
Requirements			Hours				Hours
		e are general education courses.					
I. General Education			40	III. Required Related Work			29-31
A maxin	num of twelve h	ours may be counted in both the major/related work and go	eneral education.	OVER A			
				CHEM	1114	General Chemistry I	
II. Major in BIOLOGY (Health Science Conc)			45.40	CHEM	1214	General Chemistry II	
	,	•	45-49	CHEM	3114	Organic Chemistry I	
A.	-	d in Biology Core	20	MATH	1513	College Algebra † OR	
BIOL	1114	General Biology		MATH 2825		Calculus or Analytic Geometry I	
BIOL	1214	General Botany		PHYS	1114	General Physics I	
BIOL	1314	General Zoology		PHYS	1214	General Physics II	
BIOL	3434	Genetics		PSYCH	1113	General Psychology	
BIOL	3514	General Physiology OR				66.11	
BIOL	3634	Human Physiology		EHS	2702	one of following: Biostatistics & Envir. Calculations	
					3703		
ъ	ъ.	ti m til g i g	16.17	MATH	1223	Intro to Probability and Statistics	
B.		d in Health Science Conc.	16-17	PSYCH	3833	Behavioral Science Statistics	
BIOL	2184	Human Anatomy OR		SOC	3833	Statistics for Social Sciences	0
	OL 3245	Comparative Vertebrate Anatomy		IV. Minor		(not required)	0
BIOL	2344	General Microbiology		57 E1 41			12.10
BIOL BIOL	4313	Cell and Molecular Biology		V. Electives		11 1 1 1 1 1 1	13-18
BIOL	4414 4881	General Ecology Senior Seminar		An elective course is any college-level course not required by the degree that is utilized to reach the 120 credit hours required for degree completion. Elective			
BIOL	4881	Senior Seminar					
C.	D'	1 E14i	9-12			ording to the interest of the student and can	be used in
С.	Required Electives		9-12			of a minor, certificate, or additional major.	
	Choose 3 of the following:			VI. Total Hours Rquired			120
BIOL	2113	Medical Terminology					
BIOL	3013	Research Methods and Bioethics		VII. Special R	equiremen	ts	
BIOL	3034	Medical Botany					
BIOL	3254	Medical Entomology			.1 1.0	and the second of the second	
BIOL	3623	Biochemistry of Human Disease		"Teachers" or "methods" courses do not count in the major.			
BIOL	3654	Histology		T With departmen	nt approval,	students may omit MATH 1513 and begin with I	VIATH 2825.
BIOL	3683	Immunology					
BIOL	4113	Vertebrate Embryology		Students intereste	d in the 3+1 d	legree program (ECU-OSUCOM) can apply for early a	dmission to the
BIOL	4553	Pathogenic Microbiology				is a contract to the contract of the contract	

Students interested in the 3+1 degree program (ECU-OSUCOM) can apply for early admission to the OSU College of Osteopathic Medicine and earn an ECU bachelors degree in biology by completing the first year of medical school at OSUCOM (D.O. degree). Complete information on the program can be obtained from the Records Office or the Department of Biological and Environmental Sciences.