

East Central University
 BIOLOGY- Health Science Conc.
 Major Code=004C

Student Name: _____	Student ID # _____
30 hours at ECU completed	Advisor: _____
60 hours at Sr college completed	
40 hours upper level completed	OSRHE Computer Proficiency Requirement met

Requirements	Hours
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Courses highlighted in blue are general education courses.

I. General Education	40
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A maximum of twelve hours may be counted in both the major/related work and general education.

II. Major in BIOLOGY (Health Science Conc)	45-49
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A.	Required in Biology Core	20
BIOL	1114 General Biology	
BIOL	3434 General Botany	
BIOL	1314 General Zoology	
BIOL	3434 Genetics	
BIOL	3514 General Physiology OR	
BIOL	3634 Human Physiology	

B.	Required in Health Science Conc.	16-17
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BIOL	2184 Human Anatomy OR	
BIOL	3245 Comparative Vertebrate Anatomy	
BIOL	2344 General Microbiology	
BIOL	4313 Cell and Molecular Biology	
BIOL	4414 General Ecology	
BIOL	4881 Senior Seminar	

C.	Required Electives	9-12
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Choose 3 of the following:		
BIOL	2113 Medical Terminology	
BIOL	3013 Research Methods and Bioethics	
BIOL	3034 Medical Botany	
BIOL	3254 Medical Entomology	
BIOL	3623 Biochemistry of Human Disease	
BIOL	3654 Histology	
BIOL	3683 Immunology	
BIOL	4113 Vertebrate Embryology	
BIOL	4553 Pathogenic Microbiology	

III. Required Related Work	29-31
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CHEM	1114	General Chemistry I
CHEM	1214	General Chemistry II
CHEM	3114	Organic Chemistry I
MATH	1513	College Algebra † OR
MATH	2825	Calculus or Analytic Geometry I
PHYS	1114	General Physics I
PHYS	1214	General Physics II
PSYCH	1113	General Psychology

one of following:

EHS	3703	Biostatistics & Envir. Calculations
MATH	1223	Intro to Probability and Statistics
PSYCH	3833	Behavioral Science Statistics
SOC	3833	Statistics for Social Sciences

IV. Minor	(not required) 0
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V. Electives	11-18
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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 courses are chosen according to the interest of the student and can be used in completion of a minor, certificate, or additional major.

VI. Total Hours Required	120
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VII. Special Requirements	
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"Teachers" or "methods" courses do not count in the major.

† With department approval, students may omit MATH 1513 and begin with MATH 2825.