

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	Hours
<b>I. General Education</b>	<b>40</b>	<b>III. Required Related Work</b>
		<b>29</b>

*A maximum of twelve hours may be counted in both the major/related work and general education.*

*Courses highlighted in blue are general education courses.*

<b>II. Major in BIOLOGY (Health Science Conc)</b>	<b>43-48</b>
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A. Required in Biology Core	19
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_____	BIOL	1114	General Biology I
_____	BIOL	1134	General Botany II
_____	BIOL	3434	Genetics

*One of the following*

_____	BIOL	3514	General Physiology <b>OR</b>
_____	BIOL	3634	Human Physiology
_____	BIOL	4883	Biology Senior Seminar

B. Required in Health Science Conc.	15-17
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_____	BIOL	2184	Human Anatomy <b>OR</b>
_____	BIOL	3245	Comparative Vertebrate Anatomy
_____	BIOL	2344	General Microbiology
_____	BIOL	4313	Cell and Molecular Biology
_____	BIOL	4414	General Ecology <b>OR</b>
_____	BIOL	4545	Advanced Molecular Biology

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	3114	Epidemiology
_____	BIOL	3254	Medical Entomology
_____	BIOL	3623	Biochemistry of Human Disease
_____	BIOL	3654	Histology
_____	BIOL	3683	Immunology
_____	BIOL	4113	Vertebrate Embryology
_____	BIOL	4203	Community Health
_____	BIOL	4503	Chronic Disease and Global Health
_____	BIOL	4553	Pathogenic Microbiology

_____	CHEM	1114	General Chemistry I
_____	CHEM	1214	General Chemistry II
_____	CHEM	3114	Organic Chemistry I
_____	MATH	1513	College Algebra
_____	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

<b>IV. Minor</b>	(not required)	<b>0</b>
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<b>V. Electives</b>	<b>15-20</b>
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<b>VI. Total Hours Required</b>	<b>120</b>
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<b>VII. Special Requirements</b>
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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.

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.