

East Central University+A1:K50
 BIOLOGY-Teacher Certification
 Major Code= 0041 / 2024-2025 Academic Catalog

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 <input type="checkbox"/>

Requirements	Hours	Hours
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Courses highlighted in blue are general education courses.

I. General Education	40
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17 hrs may be counted in both the major and general education (BIOL 1114, CHEM 1114, MATH 1513, COMM 1113, PSYCH 1113)

II. Major in Biology- Teacher Certification	31-32
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A. Required Biology Core	20
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BIOL	1114	General Biology
BIOL	1214	General Botany
BIOL	1314	General Zoology
BIOL	3434	Genetics
BIOL	3514	General Physiology OR
	BIOL 3634	Human Physiology

C. Required for Concentration in Teacher certification	11-12
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B/C/P	4113	Method Teaching BIOL/PHYS SCI
BIOL	4414	General Ecology
		one of following:
BIOL	2184	Human Anatomy
BIOL	3245	Comparative Vertebrate Anatomy

III. Required Related Work	34-36
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CHEM	1114	General Chemistry I
CHEM	1214	General Chemistry II
COMM	1113	Fund. Of Human Communication
MATH	1513	College Algebra † OR
	MATH 2825	Calculus and Analytic Geometry I
PHYS	1114	General Physics I
PHYS	1214	General Physics II
PHYS	1314	Astronomy
PSYCH	1113	General Psychology

select one of following:

CHEM	1314	General Organic and Biochemistry
CHEM	3114	Organic Chemistry I
CHEM	3214	Quantitative Analysis I

AND
3 hrs earth science electives

IV. Minor	
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Professional education is used as a minor.

V. Professional Education	30
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VI. Electives	0-2
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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.

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

VII. Total Hrs Required	120
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