

East Central University
 BIOLOGY-Teacher Certification
 Major Code= 0041

Student Name: _____	Student ID # _____
<input type="checkbox"/> 30 hours at ECU completed <input type="checkbox"/> 60 hours at Sr college completed <input type="checkbox"/> 40 hours upper level completed	Advisor: _____ <input type="checkbox"/> OSRHE Computer Proficiency Requirement met

Requirements	Hours	Hours
--------------	-------	-------

Courses highlighted in blue are general education courses.

I. General Education	40
-----------------------------	-----------

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	30-31
--	--------------

A. Required Biology Core	19
--------------------------	----

BIOL 1114	General Biology I
BIOL 1134	General Biology II
BIOL 3434	Genetics
BIOL 3514	General Physiology OR
BIOL 3634	Human Physiology
BIOL 4883	Senior Seminar

C. Required for Concentration in Teacher certification	11-12
--	-------

B/C/P 4113	Method Teaching BIOL/PHYS SCI
BIOL 4414	General Ecology
<i>one of following:</i>	
BIOL 2184	Human Anatomy
BIOL 3245	Comparative Vertebrate Anatomy

III. Required Related Work	36-38
-----------------------------------	--------------

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

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	
------------------	--

Professional education is used as a minor.

V. Professional Education	30
----------------------------------	-----------

VI. Electives	0-1
----------------------	------------

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	
----------------------------------	--

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

VII. Total Hrs Required	120
--------------------------------	------------