

**2013-2014****Degree Requirements****Bachelor of Science in Biology Education****Student Advisement Record****Leading to Certification for Grades 6-12****Bagwell College of Education Department of Biology and Physics**

The program of study in Biology education leads to a Bachelor of Science degree in Biology Education and provides the students with Biology teaching licensure for grades 6-12 in Biology education. Candidates in the KSU Biology Education program must earn a grade of "C" or above in all required science courses.

NAME:**KSU ID#:**

General education courses	Hrs.	44 semester hours
Area A: Essential Skills:		9 Credit Hours
ENGL 1101	3	English Composition I
ENGL 1102	3	English Composition II
MATH 1113 OR MATH 1112	3	Pre-calculus OR MATH 1111 AND MATH 1112
Area B: Social Issues:		5 Credit Hours
ANTH 2105 or GEOG 2105 or PSYCH 2105 or SOCI 2105 (or the 1101/2201 versions)	2	Anthropology, Geography, Psychology or Sociology
COM 1109 or FL 1002 or PHIL 2200	3	Communications, Foreign Language or Philosophy
Area C: Humanities/Fine Arts		6 Credit Hours
ENGL 2110	3	World Literature
ART 1107, MUSI 1107 or TPS 1107	3	Intro to Art, Music or Theatre
Area E: Social Science		12 Credit Hours
ECON 1100	3	Global Economics
HIST 1110	3	World Civilization
HIST 2112	3	America Since 1890
POLS 1101	3	American Government
Area D: Science, Math, Technology 12 Credit Hours		
CHEM 1211/1211Lab (Co-requisite w/Math 1112 or Math 1113)	3/1	General Chemistry I & Lab
CHEM 1212/1212L (Co-requisite w/Math 1190)	3/1	General Chemistry II & Lab
MATH 1190	4	Calculus I
Area F: LOWER DIVISION MAJOR REQUIREMENTS		16 Credit Hours
BIOL 2107	4	Biological Principles I
BIOL 2108	4	Biological Principles II
PHYS 1111 OR PHYS 2211	4	Introduction to Physics I OR Principles of Physics I
PHYS 1112 OR PHYS 2212	4	Introduction to Physics II OR Principles of Physics II
Upper Division Major Biology Requirements		30 semester hours
STAT 3125	3	Biostatistics
BIOL 3300	4	Genetics
BIOL 3310 OR BIOL 3315	4	Invertebrate Zoology OR Vertebrate Zoology
BIOL 3320 BIOL 4422	4	Plant Morphology OR Plant Ecology
BIOL 3340	4	Microbiology
BIOL 4350 OR BIOL 3390 (pre-req. BIOL 3300) OR BIOL 4431 OR BIOL 4400	4	Comparative Vertebrate Anatomy OR Developmental Biology OR Human Physiology OR Directed Study
BIOL 3370	4	Ecology
BIOL 3380 (pre-req. BIOL 3300)	3	Evolutionary Biology

**2013-2014****Degree Requirements**

Professional Education sequence		33 credit hours
EDUC 2110 *	3	Critical and Contemporary Issues in Education (F or Sp)
EDUC 2120	3	Sociocultural Influences on Teaching & Learning (F or Sp, or Su)
EDUC 2130	3	Exploring Teaching and Learning (F or Sp, or Su)
INED 3304	3	Education of Exceptional Students (F or Sp, or Su)
BED 4416 (Teaching Methods-coreq BED 4417)	6	Teaching Science - TOSS (6-12) [Fall Semester only—MTWThF am]
BED 4417 (Teaching Practicum-Middle School)	3	Teaching Science Practicum (6-12) - Middle School Science
BED 4475 (Student Teaching-High School)	12	Student Teaching – High School Biological Science
Institutional requirement		
HPS 1000	3	Fitness for Living
		TOTAL HOURS FOR B.S.
		126

EDUC 2110 must be completed with a grade of “C” or higher prior to admission to Teacher Education at KSU. All science courses must be completed with a grade of “C” or higher. GPA requirement for Teacher Education at KSU is 2.75.

GACE Exam info at: <http://www.gace.nesinc.com/index.asp>

You must pass or Exempt GACE I prior to admission to Teacher Education. Complete Application to Teacher Education after EDUC 2110. Info available at http://www.kennesaw.edu/education/student_support.html

Submit TOSS Application by Feb 28 prior to BED 4416 registration to mdias@kennesaw.edu

TOSS Application available at <http://www.science.kennesaw.edu/~mdias/index.html>

Take GACE II during the fall semester in which you are enrolled in BED 4416 (a.k.a. “TOSS” Teaching of Specific Subjects.

Candidates for TOSS Methods Practicum (BED 4417) and Student Teaching (BED 4475) will not be placed in schools where they have family members either employed or in attendance. If a candidate is inadvertently placed in such a school, the candidate must contact the Center for Education Placements and Partnerships (CEPP) and request a different placement.

During the semester before the semester that you plan to graduate, go to the registrar’s office and complete the “Petition to Graduate” no later than the first week of that semester.

Additional science courses of interest to middle or high school science teachers:

SCI 3360 Earth Science and/or PHYS 3310 Physics in Everyday Life and/or

BIOL 2221, 2221L; 2222, 2222L Human Anatomy and Physiology