

KU School of Education
GLP Teacher Education Program
 Secondary (6-12) Biology Major

General Education Requirements: The following general education courses must be completed prior to admission to the Graduate Licensure Program with no grade less than a “C”:

		Credits	Semester	Grade
ENGL 101	Composition	3		
ENGL 102	Critical Reading and Writing	3		
COMS 130	Speaker-audience Communication	3		
Math 101	College Algebra	3		
Math 105, 106,111,115 or higher	Introduction to Topics in Mathematics, Introduction to Finite Mathematics, Matrix Algebra, Probability, and Statistics, Calculus I, or higher	3		

Admission Requirement: An undergraduate major in Biology or related field, or prior completion of at least half of the courses listed below; however, all the major courses must be completed before student teaching.

Biology Major Courses (52-53 hrs.)

		Credits	Semester	Grade
BIOL 150	Principles of Molecular and Cellular Biology	4		
BIOL 152	Principles of Organismal Biology	4		
BIOL 400	Fundamentals of Microbiology	3		
BIOL 350	Principles of Genetics	3		
BIOL 402 or 405	Microbiology lab or Genetics lab	2		
BIOL 408	Physiology of Organisms	3		
BIOL 409	Physiology of Organisms lab	2		
BIOL 412	Evolutionary Biology	3		
BIOL 413	History and Diversity of Organisms	3		
BIOL 414	Principles of Ecology	3		
BIOL 415	Field and Laboratory Methods in Ecology	2		
BIOL 416 or 600	Cell Structure and Function or Introductory Biochemistry	3-4		
BIOL 424	Independent Study: Undergraduate Research	3		
CHEM 184**	Foundations of Chemistry I	5		
CHEM 188	Foundations of Chemistry II	5		
CHEM 624	Organic Chemistry I	3		
PHSX 111**	Introductory Physics	3		
PHSX 116**	Introductory Physics Laboratory	1		
MATH 115	Calculus I	3		
HIST _____	History of Science course	3		
BIOL 570 (recommended)	Introduction to Biostatistics	3		

Professional Education Courses (total of 33 hours in coursework plus 6 hours for the student teaching; only 700 level courses count towards a master's degree)

		Credits	Semester	Grade
ELPS 450, 770, 771 or 775	Foundations of Education	3		
ELPS 737	Governance and Organization of Schools	3		
C&T 709	Foundations of Curriculum & Instruction	3		
C&T 325 or 807	Multicultural Education	3		
C&T 798	Reading and Writing Across Curriculum	3		
PRE 720 or 725	Tests and Measurements	3		
PRE 704	Advanced Educational Psychology	3		
PRE 703 or 730	Classroom Management	3		
C&T 770 or SPED 729	Introduction to Computing in Education	3		
SPED 725	Psychology of Exceptional Children & Youth	3		
C&T 442	Teaching Methods (fall only, in Lawrence)	3		
C&T 501	Student Teaching Internship (full-time, fall or spring) (note: all other courses must be completed before student teaching)	6		