

**KU School of Education**  
**GLP Teacher Education Program**  
 Secondary (6-12) Chemistry 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":

		<b>Credits</b>	<b>Semester</b>	<b>Grade</b>
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 Chemistry 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.

***Chemistry Major Courses (38 hrs.)***

		<b>Credits</b>	<b>Semester</b>	<b>Grade</b>
CHEM 184	Foundations of Chemistry I	5		
CHEM 188	Foundations of Chemistry II	5		
CHEM 516	Analytical Chemistry	3		
CHEM 517	Analytical Chemistry lab	2		
CHEM 624	Organic Chemistry I	3		
CHEM 625	Organic Chemistry I lab	2		
CHEM 640	Biological Physical Chemistry	3		
CHEM 647	Physical Chemistry I lab	2		
CHEM 696	Junior/Senior Seminar	1		
CHEM 698	Undergraduate Research Problems	3		
PHSX 114	College Physics I	4		
PHSX 115	College Physics II	4		
MATH 115	Calculus I	3		
MATH 116	Calculus II	3		
HIST _____	History of Science course	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)

		<b>Credits</b>	<b>Semester</b>	<b>Grade</b>
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		