

*This certificate program is designed to be completed along with an approved BS or BA degree to fulfill the requirements necessary for the UKanTeach Certificate in your desired area of licensure: mathematics, biology, chemistry, earth and space science, or physics. The program is also designed to fulfill the course requirements necessary to gain state licensure eligibility in the above mentioned areas of licensure to become a secondary teacher in Kansas, but completion of the program does not guarantee the student's licensure. **This checklist has been created as a guideline and is not considered to be an official document.** For further information about meeting degree requirements, please meet with your departmental advisor. For additional information regarding licensure requirements, contact the UKanTeach office.*

The following courses (or their equivalents) are required.

UKANTEACH PROFESSIONAL DEVELOPMENT REQUIREMENTS:		Hours
A minimum grade of C is required in these courses.		
Liberal Arts & Sciences:	LA&S 290 UKan 1 (1 hour) ____ AND LA&S 291 UKan 2 (1 hour) ____	2
Research Methods:	For Biology Students: BIOL 598 (3 hours) ____ For All Other Students: CHEM 598 (3 hours) ____	3
Curriculum & Teaching:	C&T 360 Knowing and Learning in Science & Mathematics (3 hours) ____ C&T 366 Classroom Interactions in Science & Mathematics (3 hours) ____ C&T 460 Project-Based Instruction (3 hours) ____ C&T 500 Student Teaching (6 hours) ____ (Requires a 2.50 KU+Transfer GPA and a 2.50 Content GPA for Licensure) C&T 598 Special Topics Seminar (1 hour) ____	16
Reading & Writing Across the Curriculum:	For Mathematics Students: C&T 359 (1 hour) ____ For Science Students: C&T 448 (3 hours) ____	1-3
Perspectives:	For Mathematics Students: MATH 409 & 410 (2 hours/1 hour) ____ For Science Students: HIST 510 (3 hours) ____	3

UKANTEACH SCIENCE & MATHEMATICS REQUIREMENTS FOR EACH AREA OF LICENSURE:

A minimum grade of D is required in these courses.

Content Courses Required for Licensure:

Content Courses Required for Licensure* must have a cumulative GPA of 2.50 or above.

*Mathematics students will also need to include MATH 409 & 410.

Mathematics	Biology	Chemistry	Earth & Space Science	Physics
MATH 121 ____	BIOL 150 ____	CHEM 184 ____	GEOL 101 & 103 ____ & ____	PHSX 211 ____
MATH 122 ____	BIOL 152 ____	CHEM 188 ____	GEOL 311 & 312 ____ & ____	PHSX 212 ____
MATH 223 ____	BIOL 350 ____	CHEM 516 & 517 ____ & ____	GEOL 331 ____	PHSX 313&316 ____ & ____
MATH 290 ____	BIOL 412 ____	CHEM 622 OR 624 ____	GEOL 360 ____	PHSX 511 ____
MATH 320, 530, 558 OR 559(660) ____	BIOL 414 ____ BIOL 416 ____	CHEM 625 ____ CHEM 640 OR 646 ____	GEOL 521 ____ GEOL 560 ____	PHSX 521 ____ PHSX 531 ____
MATH 500 ____	BIOL 400, 408, OR 600 ____	CHEM 641 OR 647 ____	GEOL 562 ____	PHSX 536 OR 516 ____
MATH 526 OR 628 ____			ASTR 191 & 196 ____ & ____	
MATH 590 ____			ATMO 105 ____	
Functions & Modeling ____				

Prerequisites:

	MATH 115 & 116 ____ & ____ OR MATH 121 ____	MATH 115 & 116 ____ & ____ OR MATH 121 & 122	MATH 115 OR 121 ____ CHEM 125 OR 184 ____	MATH 121&122 ____ & ____ MATH 223 ____
	CHEM 184&188 ____ & ____	PHSX 114 OR 211 ____	BIOL 100 OR 152 ____	MATH 290 ____
	CHEM 622 OR 624 ____	PHSX 115 OR 212 ____	PHSX 111, 114, OR 211 ____	MATH 220 OR 320 ____

SUMMARY OF MINIMUM NUMBER OF HOURS FOR LICENSURE

Content Requirements	Professional Development Requirements	Degree Requirements	TOTAL HOURS
23 – 34 Hours	27 Hours	Varies	120+