



**BACHELOR of SCIENCE in Science and Math Education #676
with Concentration in Mathematics**

School of Teacher Education
College of Education and Behavioral Sciences
Western Kentucky University

The suggested program of study shown below should be used in consultation with your advisor(s). Every student will finish with a unique plan of his/her own depending on the electives selected.

Success Markers

SAMPLE - 4 year plan

FIRST YEAR	Fall Semester		Spring Semester	
	MATH 136 – Calculus I (F-QR)	4	MATH 137 – Calculus II	4
	ENG 100 Intro to College Writing (F-W1)	3	PHIL 215 OR EE 180 OR MATH 307	3
	HIST 101 World History I OR HIST 102 World History II (F-SB)	3	Natural & Physical Sciences w/ lab (E-NS, LS)	4
	CS 170 – Problem Solving and Programming	3	COMM 145 Intro to Public Speaking (F-OC)	3
	SMED 101 Step 1: Intro to Inquiry Based Teaching (E-SB)	1	SMED 102 Step 2: Intro to Inquiry Based Lesson Design	2
	TOTAL CREDIT HOURS	15	TOTAL CREDIT HOURS	16

SECOND YEAR	Fall Semester		Spring Semester	
	MATH 307 – Linear Algebra		MATH 310 – Discrete	3
	MATH 237 – Multivariable	3	STAT 301 – Introductory Probability and Applied Stats	3
	SMED 310 Knowing & Learning	4	Natural & Physical Sciences w/ lab (E-NS)	3
	ENGL 200 Intro to Literature Studies (F-AH)	3	SMED 320 Classroom Interactions	3
	World Language (if needed) OR General Elective	3	SPED 330 Intro to Exceptional Education: Diversity in Learning	3
	TOTAL CREDIT HOURS	16	TOTAL CREDIT HOURS	16

World Language Proficiency: All students entering in Fall 2014 or later must demonstrate proficiency in a world language at the Novice High level before completing 60 credit hours. Novice high is the ability to communicate in writing and speaking on familiar topics in simple sentences. To meet this requirement, students may take college language courses or take a proficiency test. For more information go to www.wku.edu/modernlanguages/placement/.

Colonnade Program: All students entering in fall 2014 or later must complete 39 hours in 13 specific Colonnade areas. Colonnade areas are listed in parentheses marked in blue after the corresponding classes. Some areas may have specific course requirements while others can be chosen from selected lists of options. For more details and to see lists of options, go to http://www.wku.edu/colonnade/documents/approved_colonnade_courses_website.pdf

THIRD YEAR	Fall Semester		Spring Semester	
	MATH 304 – Functions, Applications, and Explorations		MATH 317 – Intro to Algebraic Systems	3
	MATH 323 – Geometry I		MATH 400 Elective	3
	SMED 340 Perspectives on Science and Mathematics		SMED 360 Research Methods for Science and Math Teachers	3
	Arts & Humanities (E-AH)	3	Connections: Social & Cultural (K-SC)	3
	ENGL 300 Writing in the Disciplines (F-W2)	3	General Elective	3
	TOTAL CREDIT HOURS	15	TOTAL CREDIT HOURS	15

FOURTH YEAR	Fall Semester		Spring Semester	
	MATH 498 – Senior Seminar	1	SEC 490 Student Teaching	10
	SMED 470 Project Based Instruction	3	SMED 489 Student Teaching Seminar	3
	Connections: Local to Global (K-LG)	3		
	Connections: Systems (K-SY)	3		
	General Elective	3		
	General Elective	3		
	TOTAL CREDIT HOURS	16	TOTAL CREDIT HOURS	13

Total Credit Hours: 120

* Denotes prerequisite courses before program admission

Student must receive a "C" or better in each PROFESSIONAL EDUCATION COURSE.

Students must register, pay, and pass Praxis II exams during this fall semester prior to student teaching. Tests are given by the ETS during November in the fall. Check the EPSB website for specific tests for your areas of certification. Students cannot be recommended for certification until all Praxis II exams required receive passing scores.

For more Information:

Department: School of Teacher Education

Phone: 270-745-5414

Website: www.wku.edu/ste

Course Descriptions: <http://www.wku.edu/undergradcatalog/>

For more Information:

Department: Geography & Geology

Phone: 270-745-4555

Website: www.wku.edu/geoweb

Course Descriptions: <http://www.wku.edu/undergradcatalog/>