BACHELOR of ARTS in MATHEMATICS (#730)
Middle Grades Mathematics Teacher Certification
Department of Mathematics
Ogden College of Science and Engineering
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	
Visit The Learning Center for free tutoring	ENG 100 – Introduction to College Writing	3	HIST 119 – Western Civ to 1648 **OR** HIST 120 – Western Civ Since 1648	3
	General Education Course A-II	3	General Education Course B	3
	General Education Course DL	4	General Education Course E	3
	PE 101 – Activity Course	1	SMED 102 - Introduction to Inquiry-Based Lesson Design	2
	SMED 101 – Introduction to Inquiry-Based Lesson Design	1	MATH 136 – Calculus I **OR** MATH 137* - Calculus II	4
	MATH 117 – Trigonometry MATH 136* – Calculus I	3/4		
	TOTAL CREDIT HOURS	**15/16**	**TOTAL CREDIT HOURS**	**15**

SECOND YEAR	Fall Semester		Spring Semester	
Volunteer or Join a Student Organization	General Education Course A-III	3	General Education Course C	3
	ENG 200 – Introduction to Lit	3	General Education Course D	3
	SMED 210 – Knowing and Learning in Mathematics and Science	3	SMED 320 – Classroom Interactions	3
	MATH 205* - Number Systems and Number Theory for Teachers	3	MATH 206 – Fundamentals of Geometry for Teachers	3
	MATH 183 – Introductory Statistics **OR** STAT 301 – Introductory Probability and Applied Statistics	3	MATH 413 – Algebra and Technology for Middle Grades Teachers	3
	TOTAL CREDIT HOURS	**15**	**TOTAL CREDIT HOURS**	**15**

WINTER TERM	Winter Term	
Why not Study Abroad?		
	TOTAL CREDIT HOURS	

THIRD YEAR	Fall Semester		Spring Semester	
	ENG 300 – Writing in the Disciplines	3	General Education Course C	3
Visit Career Services	PE 101 – Activity Course	1	General Elective	3
	General Education Course B	3	General Elective	3
	SMED 340 – Perspectives on Mathematics and Science	3	SMED 360 – Research Methods for Math and Science Teachers	3
	MATH 308 – Rational Numbers and Data Analysis for Teachers	3	MATH 411 – Problem Solving for Elementary and Middle School Teachers **OR** MATH 421 – Problem Solving for Secondary Teachers	3
	MATH 323 – Geometry I **OR** MATH 403 – Geometry for Elementary and Middle School Teachers	3		
	TOTAL CREDIT HOURS	**16**	**TOTAL CREDIT HOURS**	**15**

FOURTH YEAR	Fall Semester		Spring Semester	
	General Elective	3	SMED 489 – SMED Student Teaching Seminar	3
Apply for Graduation	General Elective	2-3	MGE 490 – Student Teaching	10
	SMED 470 – Project-Based Instruction	3		
	SPED 330 – Introduction to Exceptional Education: Diversity in Learning	3		
	MATH 304 – Functions, Applications and Explorations	3		
	MATH 490 – Seminar in Middle Grades Mathematics	1		
Celebrate	**TOTAL CREDIT HOURS**	**15-16**	**TOTAL CREDIT HOURS**	**13**
			Total Credit Hours: 120	

* Denotes prerequisite courses before admission

PLEASE NOTE: *Prerequisites, Course Numbers, and Course Titles are subject to change.*
Consult your advisor each semester.

For more Information:
Department: Mathematics
Website: www.wku.edu/math
Phone: (270)745-3651
Email: math@wku.edu
Course Descriptions: http://www.wku.edu/undergraduatecatalog/

Bachelor of Arts in Mathematics: Middle Grades Mathematics Teacher Certification - Sample 4 year plan (2013-2014)