



**BACHELOR of ARTS in MATHEMATICS (#728)**

**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**

<b>FIRST YEAR</b>	<b>Fall Semester</b>		<b>Spring Semester</b>	
	<i>Visit <a href="#">The Learning Center</a> for free tutoring</i>	CS 170 – Problem Solving <b>OR</b> CS 180 – Computer Science I	3/4	PHIL 215 – Elementary Logic
ENG 100 – Introduction to College Writing		3	HIST 119 – Western Civ to 1648 <b>OR</b> HIST 120 – Western Civ Since 1648	3
General Education Course DL		4	General Education Course A-II	3
SMED 101 – Introduction to Inquiry-Based Lesson Design		1	SMED 102 - Introduction to Inquiry-Based Lesson Design	2
MATH 136 – Calculus I		4	MATH 137* - Calculus II	4
<b>TOTAL CREDIT HOURS</b>		<b>15/ 16</b>	<b>TOTAL CREDIT HOURS</b>	<b>15</b>

<b>SECOND YEAR</b>	<b>Fall Semester</b>		<b>Spring Semester</b>	
	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 307* - Linear Algebra	3	STAT 301 – Introductory Probability and Applied Statistics	3	
MATH 237 – Multivariable Calculus	4	MATH 310 – Discrete Math	3	
<b>TOTAL CREDIT HOURS</b>	<b>16</b>	<b>TOTAL CREDIT HOURS</b>	<b>15</b>	

<b>WINTER TERM</b>	<b>Winter Term</b>	
	<i>Why not <a href="#">Study Abroad?</a></i>	
<b>TOTAL CREDIT HOURS</b>		

THIRD YEAR  <i>Visit <a href="#">Career Services</a></i>	Fall Semester		Spring Semester	
	ENG 300 – Writing in the Disciplines	3	PE 101 – Activity Course	1
	General Education Course B	3	General Education Course C	3
	PE 101 – Activity Course	1	General Education Course E	3
	SMED 340 – Perspectives on Mathematics and Science	3	SMED 360 – Research Methods for Math and Science Teachers	3
	MATH 304 – Functions, Applications, and Explorations	3	MAT 317 – Introduction to Algebraic Systems	3
	MATH 323 – Geometry I	3	MATH Elective (400 level**)	3
	<b>TOTAL CREDIT HOURS</b>	<b>16</b>	<b>TOTAL CREDIT HOURS</b>	<b>16</b>

SUMMER TERM	Summer Term
	It is <b>STRONGLY</b> recommended to pursue an internship in your prospective career field after the third year.

FOURTH YEAR  <i><a href="#">Apply for Graduation</a></i>  <i>Celebrate</i>	Fall Semester		Spring Semester	
	General Elective	3	SMED 489 – SMED Student Teaching Seminar	3
	General Elective	1-2	SEC 490 – Student Teaching	10
	SMED 470 – Project-Based Instruction	3		
	SPED 330 – Introduction to Exceptional Education: Diversity in Learning	3		
	MATH 498 – Senior Seminar	3		
	<b>TOTAL CREDIT HOURS</b>	<b>13-14</b>	<b>TOTAL CREDIT HOURS</b>	<b>13</b>

**Total Credit Hours: 120**

\* Denotes prerequisite courses before admission

\*\* Three more hours from MATH 405, 406, 409, 415, 417, 421, 423, 431, 432, 439, 450, 470, 482.

**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](http://www.wku.edu/math)

**Phone:** (270)745-3651

**Email:** [math@wku.edu](mailto:math@wku.edu)

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