



**BACHELOR of SCIENCE in MATHEMATICS (#528)**

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.

**SAMPLE – Finish in Four Plan**

FIRST YEAR			
Fall Semester		Spring Semester	
MATH 136 – Calculus I (F-Quantitative Reasoning)	4	MATH 137 - Calculus II	4
CS 180 – Computer Science I	4	CS 221 – Computer Science II <b>OR</b> STAT 330 – Intro to Statistical Software <b>OR</b> MATH 371 – Computational Problem Solving	3-4
ENG 100 – Introduction to College Writing (F-College Composition)	3	COMM 145 – Fundamentals of Public Speaking and Communication (F-Human Communication)	3
Colonnade (E-Natural & Physical Science, with lab)	3-5	HIST 101 – World History I <b>OR</b> HIST 102 – World History II (F-World History)	3
		Colonnade (E-Social & Behavioral Science)	3
<b>TOTAL CREDIT HOURS</b>	<b>14-16</b>	<b>TOTAL CREDIT HOURS</b>	<b>16-17</b>

SECOND YEAR			
Fall Semester		Spring Semester	
MATH 307 - Linear Algebra	3	MATH 237 – Multivariable Calculus	4
MATH 310 – Discrete Math	3	MATH Elective (300/400 level)*	3
ENG 200 – Introduction to Literature (F-Literary Studies)	3	Colonnade (E-Natural & Physical Sciences)	3
Colonnade (E-Arts & Humanities)	3	Colonnade (F-Writing in the Disciplines)	3
Foreign Language	3	General Elective	3
<b>TOTAL CREDIT HOURS</b>	<b>15</b>	<b>TOTAL CREDIT HOURS</b>	<b>16</b>

THIRD YEAR			
Fall Semester		Spring Semester	
MATH 317 – Intro to Algebraic Systems	3	MATH 337 – Elements of Real Analysis	3
Math Elective (300/400 level)*	3	MATH 417 – Algebraic Systems	3
Colonnade (C-Social & Cultural)	3	Colonnade (C-Local to Global)	3
Colonnade (C-Systems)	3	General Electives	6
General Elective	3		
<b>TOTAL CREDIT HOURS</b>	<b>15</b>	<b>TOTAL CREDIT HOURS</b>	<b>15</b>

FOURTH YEAR			
Fall Semester		Spring Semester	
MATH 431 – Intermediate Analysis	3	MATH 450 – Complex Variables	3
MATH 439 – Topology I	3	MATH 498 – Senior Seminar	3
Math Elective (300/400 level)*	3	Math Elective (300/400 level)*	3
General Electives	5	General Electives	3-6
<b>TOTAL CREDIT HOURS</b>	<b>14</b>	<b>TOTAL CREDIT HOURS</b>	<b>12-15</b>
<b>TOTAL CREDIT HOURS</b>		<b>TOTAL CREDIT HOURS</b>	

Total Credit Hours: 120

\* Two courses from MATH 315, 323, 415, 423, 473. Six more hours from MATH 275 (up to 3 hours), STAT 301, MATH 305, 315, 323, 331, 370, 371 (if not taken instead of CS 211), 382, 398 (up to 3 hours), 405, 406, 409, 415, 423, 435, 470, 473, 475 (up to 6 hours), 482.

For more details and courses offered in the Colonnade General Education program visit the [website](#).

**World Language Requirement:** Language Proficiency of novice-high before completing 60 credit hours is required (or completion of 2nd level of a language). Two credits (or equivalent) of a single world language in High School satisfies this WKU requirement.

**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/>