



BACHELOR of SCIENCE 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. Admission to the major is required to register for all 300 and 400 nursing classes. All upper-division nursing courses must be taken in sequence to meet NURS course prerequisite requirements.

SAMPLE – Finish in Four Plan

FIRST YEAR			
Fall Semester		Spring Semester	
MATH 136 – Calculus I (F-Quantitative Reasoning)	4	MATH 137 - Calculus II	4
SMED 101 – Introduction to Inquiry-Based Lesson Design	1	SMED 102 – Introduction to Inquiry-Based Lesson Design	2
ENG 100 – Introduction to College Writing (F-College Composition)	3	COMM 145 – Fundamental of Public Speaking and Communication	3
Colonnade (E-Natural & Physical Science, with lab)	3-5	HIST 101 – World History I OR HIST 102 – World History II (F-World History)	3
CS 170 – Problem Solving & Programming OR CS 180 – Computer Science I	3-4	Colonnade (E-Social & Behavioral Sciences)	3
TOTAL CREDIT HOURS	14-17	TOTAL CREDIT HOURS	15

SECOND YEAR			
Fall Semester		Spring Semester	
MATH 237 – Multivariable Calculus	4	MATH 310 – Discrete Math	3
MATH 307 - Linear Algebra	3	SMED 320 – Classroom Interactions	3
SMED 310 – Knowing and Learning in Mathematics and Science	3	Colonnade (C-Social to Cultural)	3
Colonnade (E-Natural & Physical Sciences)	3	Colonnade (E-Arts & Humanities)	3
ENG 200 – Introduction to Literature (F-Literary Studies)	3	STAT 301 – Introductory Probability and Applied Statistics	3
TOTAL CREDIT HOURS	16	TOTAL CREDIT HOURS	15

THIRD YEAR			
Fall Semester		Spring Semester	
MATH 304 – Functions, Applications, and Explorations	3	MATH 317 – Introduction to Algebraic Systems	3
MATH 323 – Geometry I	3	MATH Elective (300/400 level*)	3
SMED 340 – Perspectives on Mathematics and Science	3	Minor Course	3
Colonnade (F-Writing in the Disciplines)	3	Colonnade (C-Systems)	3
Colonnade (C-Local to Global)	3	ENG 300 – Writing	3
TOTAL CREDIT HOURS	15	TOTAL CREDIT HOURS	15

FOURTH YEAR			
Fall Semester		Spring Semester	
MATH 498 – Senior Seminar	3	SMED 489 – SMED Student Teaching Seminar	3
SMED 470 – Project-Based Instruction	3	SEC 490 – Student Teaching	10
SPED 33- - Introduction to Exceptional Education : Diversity in Learning	3		
General Electives	5-8		
TOTAL CREDIT HOURS	14-17	TOTAL CREDIT HOURS	13

* Two courses from MATH 405, 406, 415, 417, 423, 431, 435, 439, 450, 470, 473, 482. Six more hours from MATH 275 (up to 3 hours), STAT 301, MATH 305, 315, 323, 331, 370, 371, 382, 398 (up to 3 hours), 405, 406, 415, 417, 423, 435, 439, 450, 470, 475 (up to 6 hours), 482.

Total Credit Hours: 120

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

Phone: (270)745-3651

Email: math@wku.edu

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