



**KENTUCKY STATE
UNIVERSITY**

MATHEMATICS EDUCATION - BACHELOR OF SCIENCES

Program Description

The program allows qualified graduates the opportunity to educate secondary education students in mathematics, in grades 7-12

Program Standards

(NCTM)- National Council of Teachers of Mathematics

Process Standards:

- Problem Solving
- Reasoning & Proof
- Communication
- Connections
- Representation

Content Standards:

- Numbers and Operations
- Algebra
- Geometry
- Measurement
- Data Analysis and Probability

Course	Title	Hours
Year 1		
Term 1 (Fall)		
ENG 101	English Comp I	3
COM 103	Interpersonal Communication	3
FYE 118	First Year Experience	3
Select one of the following:		3
ART 130	Introduction to Art	
ENG 211	Intro to Literature	
MUS 130	Introduction to Music	
THE 130	Introduction to Theatre	
Select one of the following:		3
FIN 101	Financial Literacy	
ECO 201	Prin of Economics I	
Hours		15
Term 2 (Spring)		
ENG 102	English Comp II	3
MAT 131	Calculus/Analy Geom I	5
MAT 200	Intro to Stat Reasoning & Ana.	4
COS 107	Prob Solving, Logic & Design	3
Select one of the following:		3
PSY 200	General Psychology	
SOC 203	Principles of Sociology	
Hours		18

Year 2

Term 3 (Fall)

EDU 202	Found of Teaching and Educ	3
EDU 203	Intro to Tech. in Education	3
EDU 204	Cultural Responsiveness	3
COS 108	Prin Computer Science I	4
PHY 211	General Physics I	5
Hours		18

Term 4 (Spring)

POS 101	American Government	3
EDU 302	Child & Adolescent Dev	3
EDU 304	Classroom & Learning Manage	3
EDU 310	Intro Exceptional Edu	3
MAT 132	Calculus/Analy Geom II	5
Hours		17

Year 3

Term 5 (Fall)

MAT 300	Intro to Advanced Math	3
EDU 303	Educational Assessment/Eval	3
EDU 411	Teaching High Sch Math	3
BIO 101	Life Science	3
MAT 231	Multivariate Calculus	3
Hours		15

Term 6 (Spring)

MAT 307	Linear Algebra	3
EDU 445	Teach HS Reading in Cont Area	3
COS 310	Discrete Computing Structures	3
EDU 450	Clinical Education Experience	6
Hours		15

Year 4

Term 7 (Fall)

MAT 321	Probability/Statistics I	3
MAT 326	Modern Geometry	3
MAT 401	Modern Algebra I	3
EDU 452	K-12 Clinical Experience	6
Hours		15

Term 8 (Spring)

EDU 454	Undergraduate Student Teaching	12
Hours		12
Total Hours		125