



**School of Education  
Empowerment for Learning**

**CURRICULUM GUIDE  
8-12 Bachelor of Science in Math** 05/03/2018

Name \_\_\_\_\_ Advisor \_\_\_\_\_ Ethnicity \_\_\_\_\_  
 Gender: M    F    Address \_\_\_\_\_  
 SSN# \_\_\_\_\_ Telephone Number \_\_\_\_\_  
 E-Mail Address \_\_\_\_\_ Semester/Year admitted (SOE) \_\_\_\_\_  
 CAP I \_\_\_\_\_ CAP 2/Praxis (CASE) \_\_\_\_\_ CAP 3/Portfolio \_\_\_\_\_ CAP 4/Portfolio \_\_\_\_\_  
 PRAXIS Subj. Assess Math Content (5161) \_\_\_\_\_ (160 passing) Date Taken \_\_\_\_\_  
 PRAXIS Subj. Assess. PLT Exam (5624) \_\_\_\_\_ (160 passing) Date Taken \_\_\_\_\_

**Praxis Disclaimer:** Kentucky educator certification requirements are subject to change. Before registering for the test(s), please check the Education Professional Standards Board website at [www.epsb.ky.gov](http://www.epsb.ky.gov) for current test requirements and current cut scores. You may also contact 502-564-4606 or toll free at 888-598-7667.

**Reminders:** A minimum overall GPA of 2.75 is required for admission to and continuation in the educator preparation program. A C or better is required in all courses on curriculum guide. A CAP 4 portfolio of satisfactory evidence for all KTPS/InTASC standards is required for program exit at CAP 4. For a complete listing of all program requirements, please see the appropriate CAP guide.

<b>Professional Courses</b>	
<b>33 Hours</b>	
<p><b>Foundation Coursework: 12 hours</b></p> <p>Sem/Year Grade</p> <p>_____ _____ ED 199 Entry to Teacher Preparation (0)</p> <p>_____ _____ ED 220 Introduction to Teaching (3)</p> <p>_____ _____ ED 300 Human Dev. &amp; Learn. Theory(3)</p> <p>_____ _____ ED 310 Instructional Technology(3)</p> <p>_____ _____ ED 325 Teaching Diverse Learners(3)</p>	<p><b>Pedagogy Coursework: 9 hours</b></p> <p>Sem/Year Grade</p> <p>_____ _____ ED 359 Content Literacy (3)</p> <p>_____ _____ ED 390 Assessment &amp; Instructional Strategies (3)</p> <p>_____ _____ ED 414 Classroom Management (3)</p> <p><b>Clinical Practice: 12 hours</b></p> <p>_____ _____ ED 450 Student Teaching (12)</p>
<b>Free Electives at 300/400 level: 3 hours</b>	
<b>8-12 Math Courses</b>	
<b>36 Hours</b>	
<b>6 Hours Related Coursework</b>	
<p><b>a. Mathematics Courses</b></p> <p>_____ _____ MTH 200 Discrete Mathematics (3)</p> <p>_____ _____ MTH 112 Trigonometry/Analytic Geometry(3)</p> <p>_____ _____ MTH 210 Calculus I (4) <b>F*</b></p> <p>_____ _____ MTH 211 Calculus II (4) <b>Sp</b></p> <p>_____ _____ MTH 310 Calculus III (4) <b>F</b></p> <p>_____ _____ MTH 331 Probability and Statistics (3)<b>F</b></p> <p>_____ _____ MTH 402 Modern Geometry (3)<b>F</b></p> <p align="center"><b>Total: 24</b></p> <p><b>Two courses from the following three:</b></p> <p>_____ _____ MTH 305 Number Theory (3)<b>Sp</b></p> <p>_____ _____ MTH 430 Foundation of Analysis I Sp; Even</p> <p>_____ _____ MTH 401 Modern Algebra I (3) <b>Sp; odd</b></p> <p align="center"><b>Total: 6 Hours</b></p> <p><b>b. Mathematics Electives (choose six hours):</b></p> <p>_____ _____ MTH 305 Number Theory (3) <b>Sp</b></p>	<p>_____ _____ MTH 400 Special Topics (3)</p> <p>_____ _____ MTH 401 Modern Algebra I (3)<b>Sp; odd</b></p> <p>_____ _____ MTH 411 Modern Algebra II (3) <b>Fall;odd</b></p> <p>_____ _____ MTH 430 Found of Analysis I (3)<b>Sp; even</b></p> <p>_____ _____ MTH 431 Foundations of Analysis II (3) <b>Fall; even</b></p> <p>_____ _____ MTH 440 Topology (3)</p> <p>_____ _____ MTH 490 Independent Study (3)</p> <p align="right"><b>Total: 6 Hours</b></p> <p><b>c. CIS Courses</b></p> <p>_____ _____ CIS 100 Concepts and Computer Apps. (3)</p> <p align="right"><b>Total: 3 Hours</b></p> <p><b>d. Methodology Requirements</b></p> <p>_____ _____ MTH 450 Meth. And Mat. of Teach. Math (3)<b>F</b></p> <p align="right"><b>Total: 3 Hours</b></p> <p>General Education:        41 hours</p> <p>First Year:                    2 hours</p> <p>Professional Education:    33 hours</p>

_____	_____	MTH 311 Differential Equations (3) <b>Sp</b>	Math Field:	36 hours
_____	_____	MTH 350 Intro. to Linear Algebra (3) <b>F</b>	Related Coursework:	6 hours
_____	_____	MTH 390 Independent Study (1-3)	Electives	3 hours
			<b>Total:</b>	<b>121 hours</b>
			<i>All courses above MTH 210 must be taken at Campbellsville University.</i>	
			* General Education Requirement	

My signature below indicates I hereby recognize it is my responsibility to review and ensure I complete the above requirements for successful continuation in and exit from the Teacher Education Program.

\_\_\_\_\_  
Student Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Advisor Signature

\_\_\_\_\_  
Date