

For More Information:

Dr. Shane Redmond, Interim Chair
Department of Mathematics and Statistics

313 Wallace Building
Eastern Kentucky University
521 Lancaster Ave.
Richmond, KY 40475

(859) 622-5942

Email: shane.redmond@eku.edu

Fax: 859-622-3051

See math.eku.edu for full
department directory.



EKU

BACHELOR OF SCIENCE IN

MATHEMATICS

MATHEMATICS TEACHING

CONCENTRATION

Department of Mathematics & Statistics

EKU

www.eku.edu

Eastern Kentucky University

521 Lancaster Avenue
Whitlock Building
Richmond, KY 40475

Eastern Kentucky University is an Equal Opportunity/Affirmative Action employer and educational institution and does not discriminate on the basis of age (40 and over), race, color, religion, sex, sexual orientation, gender identity, gender expression, pregnancy, ethnicity, disability, national origin, veteran status, or genetic information in the admission to, or participation in, any educational program or activity (e.g., athletics, academics and housing) which it conducts, or in any employment policy or practice. Any complaint arising by reason of alleged discrimination should be directed to the Office of Equity and Inclusion, Eastern Kentucky University, Jones Building 416, Richmond, Kentucky 40475, (859) 622-8020, or the U.S. Department of Education, Office for Civil Rights, 400 Maryland Avenue, SW, Washington, DC. 20202, 1-800-421-3481 (V), 1-800-877-8339 (TTY). Mathematics_Teaching_NoBleed_AR06



The Department of Mathematics and Statistics offers the Bachelor of Science degree in Mathematics with a concentration in Mathematics Teaching. This concentration is designed to provide students with the mathematics foundation needed to teach secondary mathematics. A course in secondary education methods and a semester of student teaching give a smooth transition from coursework to workforce, which translates to a high job placement rate upon graduation. Integrating technology into the mathematics curriculum is a priority.

Students may also get involved in extracurricular activities by becoming a member of Kappa Mu Epsilon, NCTM, and/or KCTM.

Career Paths

The program prepares students for teaching mathematics in a high school environment. Additionally, students are prepared to begin work in the Master of Arts in Applied Mathematics program at EKU.

Other Degree Programs

The Department of Mathematics and Statistics also offers a Bachelor of Science in Statistics; minors in Actuarial Science, Mathematical Sciences, Mathematics, Mathematics/Teaching, and Statistics; a Certificate in Applied Data Science; and a Master of Arts in Applied Mathematics with concentrations in Secondary Mathematics and Applied Mathematics and Statistics.



Suggested Curriculum Guide

FRESHMAN YEAR

<u>First Semester</u>	
SCO 100M	1
MAT 234	4
STA 270	4
Gen. Ed. E-1A (ENG 101)	3
Gen. Ed. E-5B	3
Total	15
<u>Second Semester</u>	
EDF 203	3
CED 100	0
SED 104	3
MAT 239	3
MAT 244	4
Gen. Ed. E-1B (ENG 102)	3
Total	16

JUNIOR YEAR

<u>First Semester</u>	
EDC 300	3
CED 300	0.5
EMS 300W	3
MAT 308	3
Gen. Ed. E-5A	3
Core Elective	3
<i>(can be STA course #1)</i>	
Total	15.5
<u>Second Semester</u>	
EDF 413	3
EMS 490	3
CED 400	0.5
MAT 380	3
MAT 315	3
STA Course #2 <u>or</u> Free Elective	3
Total	15.5

SOPHOMORE YEAR

<u>First Semester</u>	
MAT 254	4
MAT 301	3
Gen. Ed. E-4	3
Gen. Ed. E-6	3
Gen. Ed. E-1C	3
Total	16
<u>Second Semester</u>	
EDF 219	3
CED 200	0
MAT 306	3
CSC 170, 174, 189, or 190	3
Gen. Ed. E-3B	3
Gen. Ed. E-4	3
EDF 204	2
Total	17

SENIOR YEAR

<u>First Semester</u>	
ESE/MAT 550	3
CED 450	1
MAT 334	3
MAE 475	3
Gen. Ed. E-3A	3
Total	13
<u>Second Semester</u>	
CED 499 ACCT	9
EMS 474	3
Total	12

University Graduation Requirements

General Education 36 hours
SCO 100M 1 hour

MAJOR REQUIREMENTS

Mathematics Core 24 hours
MAT 234, 239, 244, 254, 301, 308, and 315

Mathematics Teaching Concentration 15-18 hours

GPA of 2.75 or higher; MAT 306, 334, and 380;
MAE 475 and one of the following combinations:

General Combination: three additional hours of courses chosen from CSC 300, CSC 320, any MAT course numbered 300 or above (except 303 and 349), or any STA course numbered 300 or above (except 349 and 500)

Statistics Combination: STA 340 and one of STA 470 or 520

SUPPORTING COURSES 4 hours
CSC 170, 174, 189, or 190; STA 270

PROFESSIONAL EDUCATION 37 hours
EDC 300; EDF 203, 204, 219, and 413; EMS 300W, 474, and 490; ESE 550 or MAE 550; SED 104 and 11 credit hours of Clinical Experiences (CED 100, 200, 300, 400, 450, and 499); appropriate PRAXIS exams

FREE ELECTIVES 0-3 hours

TOTAL HOURS 120 hours