MATHEMATICS

COURSES:

MATHEMATICS MAJOR:

12 major courses, including:

MATH 1304	Calculus I
MATH 1324	Calculus II
MATH 2144	Calculus III
MATH 2204	Linear Algebra
MATH 2504	Mathematician's Toolkit
MATH 3114	Higher Analysis
MATH 3224	Abstract Algebra
MATH 4294	Senior Seminar

2 additional 2000+ mathematics courses excluding MATH 2094

Allied Courses:

2 2000+ level courses in one of the following disciplines: biology, chemistry, computer science, economics or physics

To become certified to teach mathematics, students must complete the mathematics major and education minor for secondary certification *(information at transy.edu/ programs/mathematics/).*

MATHEMATICS MINOR:

6 mathematics courses, including:

MATH 1304	Calculus I
MATH 1324	Calculus II
MATH 2144	Calculus III
MATH 2504	Mathematician's Toolkit

2 additional 2000+ mathematics courses excluding MATH 2094.

TRANSYLVANIA
UNIVERSITY

Office of Admissions
300 North Broadway
Lexington, KY 40508
(800) 872-6798
transy.edu

TRANSYLVANIA
UNIVERSITY

ABOUT THE MAJOR:

At Transylvania, you will get a firm grounding in classical mathematics, while taking courses that let you see math used in various applications. Students can also choose topical courses designed by their professors.

Transylvania's math program offers strong preparation for graduate study or careers in math by helping students become well-grounded in computing, math reasoning and proofs. Our professors also encourage students to connect with other disciplines. Most of our recent graduates have had double majors, combining math studies with subject areas such as economics, computer science, pre-law, pre-medicine or physics.

Students take courses in classical mathematics as well as new courses that are completely designed by their professors. They receive personal attention from the moment they step into the classroom until well after graduation.

A variety of out-of-class opportunities expand students' knowledge of the field. Math majors may do research on and off campus or test themselves in national competitions. A student may want to complete an internship with an actuarial firm or study math abroad.

COURSES OF SPECIAL INTEREST:

Cryptology
Design Theory
Introduction to Mathematical Modeling
Introduction to Actuarial Science
Number Theory

POSITIONS OUR GRADUATES HAVE HELD:

Actuary, William Mercer Inc.
Mathematician, Naval Surface Weapons Center
Senior systems analyst, Procter & Gamble
Professor, Earlham College
Budget analyst, U.S. Navy

WHERE OUR GRADUATES HAVE STUDIED:

Carnegie Mellon University
Georgia Institute of Technology
Harvard University Law School
Indiana University
Purdue University
University of Iowa
University of Kentucky
University of Washington

POSSIBLE CAREER OPTIONS:

Actuary
Consultant
Cryptologist
Operations research analyst

FACULTY:

Ryan Stuffelbeam, Program Director
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Michael Kelly Jr., Assistant Professor of Mathematics
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Mike Levan, Associate Professor of Mathematics
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"The combination of classes, research opportunities and relationships with professors and peers allows our students to continue to grow, whether it be in graduate school or in the chosen profession."
Ryan Stuffelbeam, associate professor of mathematics