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.
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
  Associate Professor of Mathematics
  rstuffelbeam@transy.edu

- **Kim Jenkins**, Associate Professor of Mathematics
  kjenkins@transy.edu

- **Michael Kelly Jr.**, Assistant Professor of Mathematics
  mikelly@transy.edu

- **Mike Levan**, Associate Professor of Mathematics
  mlevan@transy.edu

“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