

Ryan Hunter
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ryanehunter.github.io

EDUCATION

PhD in Mathematics Anticipated: May 2027
University of Kansas, Lawrence, KS
Advisor: Emily Witt
Oral Comprehensive Exam passed, with honors February 9, 2026

Master of Arts in Mathematics Fall 2023
University of Kansas, Lawrence, KS

Bachelor of Science in Mathematics May 2021
University of Arkansas, Fayetteville, AR

Bachelor of Science in Chemical Engineering May 2021
University of Arkansas, Fayetteville, AR

HIGHER EDUCATION WORK EXPERIENCE

University of Kansas
Graduate Teaching Assistant August 2021 - Present
Graduate Research Assistant Springs 2024, 2025
KUEST Summer Bridge Program Graduate Teaching Assistant July 2023 - August 2023

Thrive Scholars, Boston, MA
Teaching Assistant for Amherst Summer Program June 2022 - August 2022

Do College Better, Fayetteville, AR
Tutor August 2018 - May 2019

LEADERSHIP ACTIVITIES

President, Math Graduate Student Organization July 2024 - June 2025
Vice President, Math Graduate Student Organization July 2023 - June 2024
Member-at-large, Math Graduate Student Organization July 2022 - June 2023

DEPARTMENTAL SERVICE AND OUTREACH

Math/Statistics Awareness Month Competition Volunteer April 2025
Algebra Qualifying Exam - Study Group Leader Fall 2024
Analysis Qualifying Exam - Study Group Leader Summer 2024, Fall 2023
Prospective PhD Student Interview - Student Member Springs 2025, 2024
Florence Black Teaching Award - Student Committee Member Fall 2021

COURSES TAUGHT

Math 147 - Honors Calculus 3 Spring 2026
Math 127 - Calculus 3 Fall 2025

Math 145 - Honors Calculus 1	Fall 2024
Math 104 - Precalculus	Fall 2023, Fall 2022
Math 115 - Calculus	Spring 2023
Math 101 - College Algebra	Spring 2022
Math 002 - Intermediate Algebra	Fall 2021

TALKS GIVEN

Turbo talk	CA+, March 28, 2026
“An Introduction to Local Cohomology”	KMGSC, April 13, 2024
KU Student Algebra Seminar	
• “Gorenstein rings in context”	February 25, 2026
• “ D - and F -modules”	September 23, 2025
• “A Counting Problem on Spectral Sequences”	February 28, 2025
• “ F -modules”	September 26 and October 10, 2024
• “An Introduction to Local Cohomology”	February 9, 2024
• “Matlis Duality”	October 5, 2023
KU Graduate Student Organization Seminar	
• “What is a category?”	April 5, 2024
• “Oka and Ako Families of Ideals”	February 2, 2023
• “Coxeter Groups and the Davis Complex”	February 11, 2022

CONFERENCES ATTENDED

CA+ (Iowa State)	March 28-29, 2026
Singularities in Algebra and Geometry (CIMAT)	June 16-21, 2025
Séminaire de Mathématiques Supérieures (SLMath Summer School)	June 2-13, 2025
50th Annual Spring Lecture Series (UArk)	May 15-17, 2025
URiCA (UNL)	May 3-4, 2025 and May 6-7, 2023
RyaFest (UNL)	April 12-13, 2025
Commutative Algebra in Mixed Characteristic (UNL)	March 28-29, 2025
Symmetries and Singularities in Texas (Texas A&M)	February 1-2, 2025
KMGSC (joint with Kansas State)	
• at KU December 7-8, 2024(†), December 2-3, 2023(†), and December 5, 2021	
• at KState April 13-14, 2024(†), April 8, 2023, and April 23, 2022	
• I served as organizer for the iterations labelled (†)	
KUMUNU (Missouri)	September 28-29, 2024 and September 23-24, 2023
SLMath Introductory Workshop: Commutative Algebra	January 22-26, 2024
SLMath Connections Workshop: Commutative Algebra	January 18-19, 2024
Algebra Day (Kansas)	November 11, 2023

SCHOLARSHIPS AND AWARDS

KU Graduate School Summer Research Scholarship	Summer 2026
Paul F. Conrad Graduate Scholarship	Spring 2026
Florence Black Teaching Award (Finalist)	Spring 2026
U.G. Mitchell Graduate Scholarship	Summers 2024, 2025

Charles J. and Mary Pat Himmelberg Graduate Student Award
Chickasaw Nation Higher Education Grant

Spring 2025
Fall 2021 - Spring 2025

Last updated May 18, 2026