

Applied Mathematics



Spring 2023 Graduation Recognition

Honoring graduates from the
Department of Applied Mathematics

May 11, 2023 12:00 PM

<http://www.colorado.edu/amath>

Program of Ceremony

Welcome

François Meyer, Professor and Interim Chair

Graduate Program Remarks

Will Kleiber, Professor and Graduate Chair

Doctoral Candidate - Student Speaker

Shay Gilpin, AMEN Ph.D.

Recognition and Hooding of Ph.D. candidates

Recognition of Master of Science candidates

Professional Master's Program Remarks

Brian Zaharatos, Ph.D., Teaching Professor and Director for Professional Master's Program

Master's Candidate - Student Speaker

Meghan Diane Buscher, AMEN-MSAM

Recognition of Master of Science candidates

Undergraduate Program Remarks

Anne Dougherty, Ph.D., Teaching Professor and Associate Chair

Bachelor of Arts Candidate - Student Speaker

Kelsie Torczynski, STAT-BA

Recognition of Bachelor of Arts candidates

Bachelor of Science Candidate - Student Speaker

John Quinn, AMEN-BSAM

Recognition of Bachelor of Science candidates

Platform party recesses



2023 Platform Party

*Nick Barendregt, Meghan Buscher, Anne Dougherty,
Abe Ellison, Natasha Flyer, Shay Gilpin, Amanda Hampton,
Keith Julien, Zack Kilpatrick, Will Kleiber, Tomoko Matsuo,
Jim Meiss, François Meyer, Jack Quinn, Ruyu Tan,
Kelsie Torczynski, Kiera van der Sande, Brian Zaharatos*

Undergraduate Special Honors

College of Engineering and Applied Science

Academic Engagement Awards

John Quinn

Hugh Scribner

Justice, Equity, Diversity & Inclusion (JEDI) Award

Samuel Kwon

Perseverance Award

Amanda Widner

Research Award

Alexey Yermakov

College of Arts and Sciences

Maurice Davies Award

Estelle Lindrooth

December 2022 and August 2023 Graduates

The University does not offer a commencement ceremony for those students who complete their degrees in December or August. So that all of our students are recognized, we include those students who received their degrees in December 2022, or will be receiving them in August 2023.

Doctor of Philosophy

Nicholas William Barendregt

Adaptive Decision-Making in Dynamic Environments Using Sequential Bayesian Inference

Dissertation Advisor: Zachary Kilpatrick, APPM

Abram Ellison

Gyroscopic Polynomials

Dissertation Advisor: Keith Julien, APPM

Shay Gilpin

Continuum Covariance Propagation for Understanding and Mitigating Variance Loss in Advective Systems

Dissertation Advisor: Tomoko Matsuo, AES

Amanda Elizabeth Hampton

On the Three-Dimensional Quadratic Diffeomorphism: Anti-integrability, Attractors, and Chaos

Dissertation Advisor: Jim Meiss, APPM

Graham Kesler O'Connor

Source Localization on Infection Networks

Dissertation Advisor: Manuel Lladser, APPM

Ruyu Tan

Methods for Change Points Detection and Model Selection in State-Space Models

Dissertation Advisor: Vanja Dukic, APPM

Kiera van der Sande

Contributions to Computational Techniques and Machine Learning for Applied Science

Dissertation Advisor: Vanja Dukic, APPM

Master of Science

Leo Alexander Crowder

Byanka Estudillo

Ahyo Chang Falick

Seunghyun Kim

Dennis Jason Krimer

Serena Joy Lipari-DiLeonardo

Allison Liu

Benjamin Ryan Marquardt

John Douglas Montagu

Aviral Prakash

Kyle James Weishaar



Professional Master of Science

Meghan Diane Buscher

Brian Cain

Rebecca Eve Cohen

Megan Hannah Collins

Anders Harris

Michael Huffman

Ziyu Li

Brian Morales

Kevin Minh Nguyen

Nathan Omdalen

Joshua Park

Zachary Christopher Sajevic

Sandra Alexis Tredinnick

Austin Wagenknecht

Jonathan Yang

Jongbae Yoon

Bachelor of Arts

Statistics and Data Science

Ryan Karl Bergner
Jonathan Scott Boucher
George Charles Brown
Eric Matzke Flaska
Michael Ghattas
Meghan Hergert
Xiang Kan
Peter Kinder
Estelle Lindrooth
Christopher Lynch
Carissa Mayo
Frida Iris Muedsam
Mitchell Dean Nelson
Elizabeth Grace Rodriguez
Connor John Schwarz
Luke William Secunda
Trevor Smith
Kelsie Lorraine Torczynski
Keenan Warble
Taryn True Welch
Elena Marie Werner

Bachelor of Science

Applied Mathematics

Rua'a al-Harthy
Logan D. Barnhart ∇
Samuel C. Blackwood ◆
James Edward Carley
Claudia Chen *
Olivia A. Dapper •
Ellie K. Divita *
Charles Doremieux
Sydney E. Evans *
Ian Christian Falkinburg
Mason Bradley Friedberg
Trey M. Gerlach *
Christopher Gonzalez-
millan
Ryan James Hamilton ◆•
Thomas Daniel Hawley
Anne Marie Hendricks
Anna Hirschmann ◆
Joel K Hoverstein
Tyler James Jensen
Julia Meilan Jess •
Kayla Nicole Johnson ∇
Bryce Werner Kaese ∇

Etash Kalra ◆•
Arthur J. Kilgore
Samuel Y. Kwon
Nicholas James Larson
Junwoo Lee *
Derek Edward Leroux
Christopher Nylund
Zachary Brance Peterson
Alana Press *•†
John Timothy Quinn ◆
Brian Denton Reagan *
Dane Steven Rieber *
Benjamin Paul Sakiewicz
Benjamin Charles Sapper ◆
Aaron Schwan •
Hugh Ephraim Scribner *
Robert Henry Sewell •
Jonathan David Shaw *
Trevor Smith
Alden Wilder Soto ◆
Soren S Sovndal
Pranav Subramanian ◆
Sean Paul Svihla ∇

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Bachelor of Science

Applied Mathematics

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Gabreece Van Anne ♦
Allesandro Villain •
Ryan Merrick Vogel ∇
Hampton Watson Walker

Amanda Victoria Widner ♦
Alexey Sergeyevich
Yermakov ♦•
Jinhua Zhang

Undergraduate Engineering Honors

• Engineering Honors Program

♦ Summa Cum Laude (Final GPA 3.900 – 4.0)

* Magna Cum Laude (Final GPA 3.800 – 3.899)

∇ Cum Laude (Final GPA 3.700 – 3.799)

† A&S Honors Thesis



Thank you so much for joining us today to celebrate our Applied Mathematics graduates. We are proud of all of your hard work and we hope you stay connected with us in the future.

Graduate slides will be available at:

<http://www.colorado.edu/amath>

Stay in contact with us:

<http://www.colorado.edu/amath/alumni>

Linkedin:

<https://www.linkedin.com/in/applied-mathematics-cu-boulder-262ab7b2>

Forever Buffs:

<http://www.colorado.edu/alumni/benefits/forever-buffs>

Donate to Applied Mathematics:

<https://www.colorado.edu/amath/donate>