



**Brigham Young University**  
*College of Physical and Mathematical Sciences*  
**Convocation**

April 25, 2024

Wilkinson Student Center Ballroom

2:00 p.m.

*Departments of Chemistry and Biochemistry,  
Geological Sciences, and Physics and Astronomy*

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## Convocation Participants

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**Annalise Ruth Bassett** is the daughter of Max and Jennifer Bassett and was raised in Aiken, South Carolina. She is receiving her bachelor of science degree in geology with an emphasis in hydrogeology. Having been raised by a chemist and a musician, she enjoys both running science experiments and playing piano and cello. Annalise has been playing cello for 15 years and has performed in the Aiken Augusta Symphony Orchestra. She served a mission for The Church of Jesus Christ of Latter-day Saints in the Hungary Budapest Mission before coming to BYU. For the past three years, she has presented undergraduate research with Dr. Harris and Dr. Burgener in the BYU Student Research Conference. She has also participated in several geological field trips all over Utah as well as in Nevada, Idaho, and California. During her sophomore year, Annalise acted as the BYU Geology Club president, and during her junior year she was the lead geologist on the BYU Mars rover team. She enjoys camping, hiking, and swimming when it is not snowing. When it is snowing, she hides in her warm apartment and reads, bakes bread and cookies, crochets, and makes poems out of alliterations. After graduation, Annalise plans on getting her master's degree in hydrogeology from BYU.

**Simon Crosby Blackhurst** is the son of Don and Jennifer Blackhurst and grew up in Henderson, Nevada. He is receiving his bachelor's degree in chemistry with a minor in physics. He is the recipient of the four-year National Merit Scholarship. He has been doing research with Dr. Sevy from 2022 to present, studying collisional energy transfer and impact-induced dissociation. He is currently writing a paper with Dr. Sevy on this subject and hopes to publish it in the coming months. Simon has been a teaching assistant for both biochemistry and physical chemistry. Earlier this year he received the Garth Lee TA Award. Simon served in the Adriatic South Mission from 2018 to 2020. In his free time, Simon enjoys playing the piano and reading. He plans to attend graduate school in chemistry this fall.

**Xiaotong Chen** is the daughter of Wei Chen and Meiyun Weng of Hong Kong. She is receiving her bachelor's degree in physics teaching with minors in math and dual language immersion teaching. She has been a student teacher in Lakeridge Junior High's eighth-grade science class with Mr. Facer and has been a student teacher in Wasatch Elementary's fourth-grade Chinese immersion class with Miss Ge. In her free time, Xiaotong enjoys playing piano and Chinese bamboo flute, reading, and watching Chinese dramas. After graduation, Xiaotong plans to return to Hong Kong as a high school physics teacher.

**Tyler R Gerratt** is the son of Steve and Michelle Gerratt of Burley, Idaho. He is receiving his bachelor's degree in geology. Over the last year he has been working with Dr. Nelson doing research on Hawaiian soil geochemistry and the elemental concentrations of dust settling in Utah Lake. Currently he works at Wasatch Energy Management, helping coordinate the acquisition of mineral rights. Tyler served in the Dnepropetrovsk Ukraine Mission from 2018 to 2020. In his free time he enjoys playing Ultimate Frisbee, disc golfing, reading Russian literature, and, of course, collecting rocks. He plans to attend graduate school in geology this fall.

**Shayna Lynn Orme** is the daughter of Kenyon and Cathy Orme. She is graduating with a bachelor of science in geology and a second major in Italian studies. Throughout her time at BYU, she has had the opportunity to work in two research labs on campus. In Dr. Crockett's mechanical engineering lab, she helped conduct research on heat transfer to water droplets interacting with superhydrophobic surfaces—a project funded by the National Science Foundation. Shayna's work with Dr. Harris in the Geology Department is centered on his nonprofit In Harm's Way, an organization that seeks to mitigate the effects of natural disasters through community preparedness and education. Her research focused on creating Coulomb stress transfer models showing how past earthquakes may contribute to future events. She also gathered HVSR data in Ambon, Indonesia, and directed efforts to process this data, which is used to create detailed hazard maps for the island. Presentations on her work with Dr. Harris won sessions of the college's Student Research Conference in 2022 and 2024. After graduation, Shayna hopes to continue working in the field of disaster assessment and mitigation.

**Aimee Louise Schill** of Crozet, Virginia, is the daughter of Michael and Mary Ann Schill and stepdaughter of Staci England. She is receiving her bachelor's degree in chemistry. She is the recipient of the Byron Wilson Scholarship as well as the Ida Tanner Hamblin Award as an outstanding woman in science. She has been working with Dr. Michaelis since 2020 in research focused on platinum-based catalysis. She was recognized for her research at BYU's spring research conference and recently published an academic paper as first author in the journal *Organometallics*. In the summer of 2022, she worked at Adovate, a pharmaceutical laboratory in Charlottesville, Virginia. She served as a full-time missionary for The Church of Jesus Christ of Latter-day Saints in the Minnesota Minneapolis Mission from 2020 to 2021. In her free time, Aimee enjoys running, backpacking, and rock climbing as well as spending time with her friends and family. She is looking forward to getting married to Kian Bangerter this summer and attending graduate school in the fall.

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# Departments of Chemistry and Biochemistry, Geological Sciences, and Physics and Astronomy

## 2:00 p.m.

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*Please remain seated during the processional.*

University Representative	Tracy W. Flinders Vice President of Information Technology and Chief Information Officer
Welcome and Conducting	Grant J. Jensen Dean
Invocation	Tyler R Gerratt Geology
Speaker	Aimee Louise Schill Chemistry
Speaker	Simon Crosby Blackhurst Chemistry
“Be Thou My Vision” Slane, traditional Irish melody Irish trans. by Mary Elizabeth Byrne Versified by Eleanor H. Hull Incorporating “Jupiter, the Bringer of Jollity” From <i>The Planets</i> by Gustav Holst	Shayna Lynn Orme, flute Geology Annalise Ruth Bassett, cello Geology Marissa Lin Stotts, French horn Mikayla Marie Kartchner, piano
Remarks	Bryan S. Morse Associate Dean
Presentation of Doctoral, Master’s, and Baccalaureate Degrees	

*Please hold applause until each department completes its awards.*

*Audience members are welcome to use the front row to take pictures of graduates.  
Please wait until your graduate is within 10 students  
of arriving onstage before entering the front row.*

Closing	Grant J. Jensen Dean
Benediction	Xiaotong Chen Physics Education

*Please remain seated during the recessional and meet your graduate  
in the Terrace after all graduates have exited the ballroom.*

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## Graduates

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### DOCTORAL DEGREES

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#### Chemistry and Biochemistry

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#### BIOCHEMISTRY

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#### DOCTOR OF PHILOSOPHY

DECEMBER 2023

Nathan Raul Zuniga Pina

JUNE 2024

Daniel Hale Call

AUGUST 2024

Steven Lowell Mann

Christiansen

Andikan Jones Nwosu

#### CHEMISTRY

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#### DOCTOR OF PHILOSOPHY

DECEMBER 2023

Joule Etumah Esene

Peter Mpaata

Alexander S. Ramos Sierra

Thy Truong

Keith L Willes

APRIL 2024

Aldair Alejandro

Alexandra Jean Setelin

Larson

Adam Xiao-Xia Wayment

Kei Grant Isaac Webber

JUNE 2024

Shawn Henry Gubler

Tianyao Meng

Chao Pang

AUGUST 2024

Shane Michael Drake

Mariur Rodríguez Moreno

Ryan Christopher Toomey

Aaron Lucas Zaugg

### Physics and Astronomy

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#### PHYSICS

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#### DOCTOR OF PHILOSOPHY

DECEMBER 2023

Christian N K Anderson

APRIL 2024

Nicholas Elden Allen

JUNE 2024

Scott Clair Olsen

AUGUST 2024

Ian Charles Bacon

Nathaniel Stefan Wells

### PHYSICS AND ASTRONOMY

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#### DOCTOR OF PHILOSOPHY

DECEMBER 2023

Benjamin C. N. Proudfoot

### MASTER'S DEGREES

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#### Chemistry and Biochemistry

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#### BIOCHEMISTRY

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#### MASTER OF SCIENCE

DECEMBER 2023

Rebecca Suzanne Burlett

JUNE 2024

Elliot Edward Sherren

AUGUST 2024

Stefannia Esparza Pulido

#### CHEMISTRY

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#### MASTER OF SCIENCE

APRIL 2024

Emmanuel Obiorah Agbata

Rachel Nicole Owens

JUNE 2024

Noah James Mismash

AUGUST 2024

Kriti Shrestha

### Geological Sciences

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#### GEOLOGY

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#### MASTER OF SCIENCE

DECEMBER 2023

Abidemi Sherif Aremu

Jonathon Michael Sevy

APRIL 2024

Derek Gordon Ashliman

Levi James De Crescenzo

Tiffany Cynthia Thayne

JUNE 2024

Colin Don Boisvert

AUGUST 2024

Kendra Louise Caskey

Austen M Lambert

Alexander Jason Nye

Rachel Willmore

### Physics and Astronomy

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#### PHYSICS

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#### MASTER OF SCIENCE

DECEMBER 2023

Joshua David Forsyth

James Gordon Harkness

Braedon Craig Jones

J. Nicholas Porter

Spencer McLeod Roberts

APRIL 2024

Kolten Lex Barfuss

Bryce Eric Hedelius

AUGUST 2024

Crystal-Lynn Jacqueline

Bartier

Corey Emerson Dobbs

Rylee Scott Russell

Jay Clark Spendlove

Alexandra Kathryn Kanani

Gallion Stapley

Bethany En-Ning Wu

### BACHELOR'S DEGREES

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#### Chemistry and Biochemistry

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#### BIOCHEMISTRY

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#### BACHELOR OF SCIENCE

DECEMBER 2023

Benjamin Scott Jones

Noah Gabriel Moran

APRIL 2024

Zachary Adam Berkheimer

Samuel Lynn Cottam

Anna Grace Edmunds

Margo Elizabeth Hammond

James Douglas Holladay

Zachary Snow Hughes

Paige Natalie Jensen

James Woohyun Jeong

Arwynn Ann Jones

Marin Nicole Jones

Manuel Spencer Larrea

Cajahuaman

Abigail Jean Lattin

Chandler Reid Miller

Kennedy Cherise Peper

Ryan Pilgrim

Lily Morena Pita

Cassandra Ellen Ratliff

Stewart Scott Ryberg

Kelly Danelle Vargas

Joseph Tyler Watts

Jared Shijie Xia

**JUNE 2024**

Dawson David Downs  
 Nathan Yang Engel  
 Margaret Elizabeth Granger  
 Locke Andrew Hansen  
 Steven Nicholas Walter  
 Matthew Isaac Wright

**AUGUST 2024**

Dallin Lance Jardine  
 Joshua Charles Webster-Ford

**CHEMISTRY**

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**BACHELOR OF ARTS****APRIL 2024**

Sarah Isabelle Bloomfield  
 Jared Paul Crookston  
 Alexis Paige Harper  
 Conner Ray Murray  
 Daniel Jacob Pikula  
 Andrew Michael Smith  
 Eleni Sophia Vickers  
 Dallin Joseph Weaver

**AUGUST 2024**

Laurel Clarissa Smith

**BACHELOR OF SCIENCE****DECEMBER 2023**

Logan Jorgensen Knox

**APRIL 2024**

Simon Crosby Blackhurst  
 Caleb Ward Boyack  
 Brett Maxwell Clark  
 James Christian Monson  
 Nathan Edward Pringle  
 Aimee Louise Schill

**JUNE 2024**

Caitlin Chartrand

**AUGUST 2024**

Natalie Kate Green

**CHEMISTRY EDUCATION**

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**BACHELOR OF SCIENCE****JUNE 2024**

Rachel Stephanie Crook

**Geological Sciences**

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**EARTH AND SPACE  
SCIENCE EDUCATION**

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**BACHELOR OF SCIENCE****JUNE 2024**

Moriah Faye Garate

**ENVIRONMENTAL  
GEOLOGY**

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**BACHELOR OF SCIENCE****APRIL 2024**

Delene Louise Escalona  
 Calvin James Jarvis  
 Kathryn Joy Smith

**GEOLOGY**

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**BACHELOR OF SCIENCE****DECEMBER 2023**

Christopher Mark Lambson

**APRIL 2024**

Annalise Ruth Bassett  
 Carter Jacob McClellan  
 Rachel Marie Seibert

**JUNE 2024**

Tyler R Gerratt  
 Shayna Lynn Orme  
 Mardell Olivia Overson

**Physics and Astronomy**

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**APPLIED PHYSICS**

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**BACHELOR OF SCIENCE****DECEMBER 2023**

Jeffery Arthur Freeman

**APRIL 2024**

Michael Joseph Greenburg  
 Zachary Ben Hendry  
 Ian Robert Jackson  
 Tanner Wilson Manwaring  
 Lincoln Spencer Stewart  
 Jacob Bradley Streeter

**JUNE 2024**

Samuel Allen Biggs  
 Jay Maxwell Clift  
 Chandler Robert Jensen  
 Cameron Crawford Kubal  
 Sierra Nicole Whipple

**AUGUST 2024**

Dorian Eyre Baldwin-Bott  
 Jordan Taylor Grow  
 Ethan D Robinson

**PHYSICAL SCIENCE  
EDUCATION**

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**BACHELOR OF SCIENCE****DECEMBER 2023**

Rebekah Anne Barney

**APRIL 2024**

Luke Thomas Johannes  
 Huntsman-Petersen  
 Emma Grace Scott

**JUNE 2024**

Rhett James Dillree

**PHYSICS**

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**BACHELOR OF SCIENCE****DECEMBER 2023**

Aria Carolyn Christensen

**APRIL 2024**

Bryce Thomas Eggers  
 Mitchell Keith Hilbig  
 Tayler Scott Martin  
 Luke Aaron Robins  
 Nikolai Melnik Wallin

**JUNE 2024**

Joseph Scott Buck  
 Mitchell Clark Cutler  
 John Joseph Ray  
 Aaron Herbert Redd

**AUGUST 2024**

Mason Taylor Christiansen

**PHYSICS AND  
ASTRONOMY**

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**BACHELOR OF SCIENCE****DECEMBER 2023**

Gibson Herschel Campbell  
 McKenna Marie Myckowiak  
 Christiana Zaugg Suggs  
 Elliot Jeffrey Tidd  
 Denzil Eugene Watts IV

**APRIL 2024**

Brent Wells Bowler  
 Conner Douglas Camacho  
 Kaelyn Clement  
 Benjamin James Derieg  
 Taylor Scott Fleming  
 Jacob Aaron Guerrette  
 Timothy David Morrell  
 Zacory Dean Shakespear

**JUNE 2024**

Maia Anne Nelsen  
 Tanner D Rydalch  
 Derek Michael Tobias

**AUGUST 2024**

Peter Nicholas Krumholz

**PHYSICS EDUCATION**

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**BACHELOR OF SCIENCE****APRIL 2024**

Xiaotong Chen  
 Madeline Shumway Harmer  
 Wyatt Soren Losee  
 Caleb Michael Plewe

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# Scholastic Recognition

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## University Honors

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*Students graduating with University Honors have completed several interdisciplinary general education courses, leadership development experiences, an interdisciplinary essay, and a thesis and have also defended their thesis in their major discipline.*

### APRIL 2024

Zacory Dean Shakespear

### JUNE 2024

Aaron Herbert Redd

### AUGUST 2024

Joshua Charles Webster-Ford

## Summa Cum Laude

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### DECEMBER 2023

Chloe Engler Hart  
Lawry Eliot Sorenson  
Ryan Holbrook Wolff

### APRIL 2024

Gradin Mitchell Anderson  
Sarah Elizabeth Benson  
Simon Crosby Blackhurst  
Ammon Cleve Brock  
Timothy Anthony Brown  
Andrew James Carpenter  
Braden M Critchfield  
Benjamin Knudsen Dahl  
Thomas Lee Draper  
Bryce Thomas Eggers  
Margo Elizabeth Hammond  
James Douglas Holladay  
Stephen R Hood  
Sofia Grace Iannicelli  
Mary Ruth Jenkins  
Tanner Wilson Manwaring  
Blake Andrew Martin  
Jacob Scott McKenzie  
Jackson Keith Passey  
Carson Allan Payne  
Alex Qian  
Sara Danielle Rosevear  
Nathan Earl Schill  
Peter Andrew Seely  
Jason Warner Vasquez  
Nathan Douglas Walker  
Jared Shijie Xia

## Magna Cum Laude

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### DECEMBER 2023

Rebekah Anne Barney  
Carli Danielle Jacobs  
Michael Hunter Madsen  
Christiana Zaugg Suggs  
Ashtyn Maria Taylor

### APRIL 2024

Stanton Tannous Yow-Seng  
Anthony  
Emily Rose Asplund  
James Elias Baker  
Zachary Adam Berkheimer  
Jared Hyrum Black  
Conner Douglas Camacho  
Eliza Jane Cisneros Vawdrey  
Kaelyn Clement  
Bridger Reese Danby  
Benjamin James Derieg  
Milvia Goulding  
Daisy Sharon Harris  
Elise C. B. Hurd  
James Allan Krueger  
Gwen Taylor Martin  
Zachary Carpenter Meyer  
Evan Miller  
Noelle Erika Nielson  
Sydney Allen Nielson  
Seth Mathias Peacock  
Dylan Michael Skinner  
Dallin Paris Stewart  
Tyler Wells Ward  
Quincy Gayle Wilcox

## Cum Laude

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### DECEMBER 2023

Bryan Jay Despain  
Michael James Hawks  
Jooyeon Park  
Tiea Corinne Paschal  
Samuel Todd Seager  
Eian Tred Wright

### APRIL 2024

Dylan Barratt Allen  
Adam True Arnett  
Dallin Bradley Bartholomew  
Darien Alexander Campbell  
Jared Adan Canizales  
Clayton Christian Chase  
Xiaotong Chen  
Joshua David Draper  
Benjamin Daniel Foutz  
Ryan Matthew Hunter  
Daria Mykolaivna Kukharuk  
Ryan Douglas Lee  
Zarin Platz Loosli  
Ryan Michael Meyer  
Peter Hinckley Neubert  
Michael Yuki Okuda  
Joseph Nathaniel Poulson  
Matthew Edward Powley  
Austin Lan Reyes  
Tyler John Sanders  
Maxwell Steven Smith  
Josiah Jaron Stephens  
Brigg Holyoak Trendler  
Joseph Tyler Watts  
Brianna Elaine White

## Phi Kappa Phi

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### APRIL 2024

Trevor Nielson Andrus  
Kolten Lex Barfuss  
Bridger Reese Danby  
Bryce Thomas Eggers  
Margo Elizabeth Hammond  
Bryce Eric Hedelius  
Ryan George Hilton

### JUNE 2024

Margaret Elizabeth Granger  
Jake Lowell Murphy

### AUGUST 2024

Caleb Marshall Harding  
Joshua Gerald Newey

*Students who received or will receive the scholastic honors summa cum laude, magna cum laude, and cum laude will have this designation indicated on their individual diplomas and transcripts after final grades are posted. These honors for June and August candidates have not yet been determined and therefore are not listed in the program.*



