Spring Commencement Exercises

College of Physical and Mathematical Sciences Convocation

Brigham Young University
April 27, 2018
8:00 a.m.
Wilkinson Student Center Ballroom
Program

Please remain seated during the processional.

Prelude and Postlude  Suzette Asplund
University Representative  Michael R. Orme
Assistant to the President and General Counsel
Welcome  C. Shane Reese
Dean
Invocation  Simi Im
Statistics
Remarks  Jennifer B. Nielson
Associate Dean
Speaker  Edward Bay Pimentel
Chemistry
Viola Musical Number  Koa Lani Fisher
“Meditation” from the opera *Thaïs*
Composed by Jules Massenet
Mathematics
Tayler Ventura
Accompanist
Speaker  Hannah Marguerite Bonner
Geology
Speaker  Courtney Danielle Ballard
Mathematics Education
Presentation of Graduates  Michael D Jones
Matthew R. Linford
Faculty

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 on stage before entering the front row.

Closing  C. Shane Reese
Dean

Benediction  Mitchell Eric Sailsbery
Mathematics

Please remain seated during the recessional and meet your graduate in the Garden Court after all graduates have exited the ballroom.
Convocation Participants

Students are invited to participate as an acknowledgment of their talent and academic excellence.

Courtney Danielle Ballard is the daughter of Lloyd and Kristi Payne of Modesto, California, and is married to Redge Ballard. She is receiving her bachelor’s degree in mathematics education. She is the recipient of the Jessie Allen Werner Scholarship. Courtney has worked for the Mathematics Department at BYU for many years during her college experience. Her jobs have included working as a tutor in the BYU Math Lab, a grader for various professors, and a calculus teacher’s assistant. The mathematics education major here at BYU encouraged Courtney’s passion for teaching mathematics to future generations. Courtney recently finished student teaching seventh grade at Diamond Fork Junior High in Spanish Fork, Utah. She is eager to start her teaching career by teaching juniors and seniors at Mountain View High in Orem, Utah. In her free time Courtney enjoys being outdoors, putting together puzzles, and playing games with family and friends.

Hannah Marguerite Bonner is the daughter of Lori and David Bonner of Lehi, Utah. She is graduating summa cum laude, receiving a bachelor’s degree in geology. Hannah has worked on a variety of projects throughout her undergraduate years. As a ranger at Capitol Reef National Park she assisted in a groundbreaking survey of the Navajo Sandstone and saved many park visitors from getting lost, stepping on biological soil crust, and feeding marmots. This past summer Hannah traveled to China on an NSF grant to quantify landslide deformation in the Three Gorges region. During the school year Hannah has collaborated with Dr. Thomas H. Morris as a coauthor of the 2016 title *Landscapes of Utah’s Geologic Past* and worked with Dr. Gregory T. Carling on developing a method to measure phosphorus flux. Hannah was also the science team lead for the 2017 BYU Mars Rover. Hannah loves traveling, spending time outside, and eating good food. She is thrilled to be heading to Alaska this month to work as a geologist in park for Denali National Park. Hannah will be attending graduate school in geology this fall.

Koa Lani Fisher is the son of Kamika and Angela Fisher of Orem, Utah. He is receiving his bachelor’s degree in mathematics with an emphasis in applied and computational mathematics and minors in music, physics, and computer science. He has completed two internships at Sandia National Laboratories in Albuquerque, New Mexico, where he worked in the Department of Computational Multiphysics.

Simi Im is the daughter of Heungsun and Kilnyo Im of Bundang, Korea. She is graduating cum laude, receiving a bachelor’s degree in statistics with an emphasis in statistical science. She is also receiving a minor in mathematics. In her free time she enjoys swimming, cooking, and reading. She plans to attend graduate school in biostatistics this fall.

Edward Bay Pimentel is the son of David and Annette Pimentel of Moscow, Idaho, and is married to Madeleine Elise Pimentel. He is graduating cum laude, receiving a bachelor’s degree in chemistry. He is the recipient of the four-year National Merit Scholarship. In 2011, Edward participated in research with Dr. Amity Wilczek at Deep Springs College, studying the ecology of Joshua tree populations. After a two-year mission to Belgium and the Netherlands, he transferred to BYU to study chemistry. In 2015, Edward began research with Dr. Merritt Andrus, working on a kidney cancer drug target. Last summer he worked at Dow AgroSciences developing new commercial herbicides. He loves baking bread and is fascinated by the chemistry of cooking. Additionally, he has been very involved with the BYU Cougars vs. Cancer student organization and has helped to organize the BYU Rex Lee Run for a Cure for the last three years. After graduation he plans to pursue a doctorate in organic chemistry at the University of Wisconsin–Madison.

Mitchell Eric Sailsbery is the son of Eric and Maria Sailsbery of Layton, Utah. He is married to Tori Sailsbery, and they have one daughter. He is the recipient of the four-year National Merit Scholarship, the Energy Solutions Scholarship, and the Regents’ Scholarship. He is graduating cum laude, receiving a degree in mathematics with the ACME emphasis. Mitchell has focused his studies on nuclear engineering, fluid mechanics, plasma physics, and game theoretic economics. He has done undergraduate research in celestial mechanics, nuclear engineering, and facility location theory, serving several times as research team lead and also once as research manager. These teams will publish their research for a total of four academic papers in the next year. One team has partnered with LDS Charities to increase water availability in water-poor communities around the world and presented this research at the 2017 SIAM Annual Event in Pittsburgh, Pennsylvania. Mitchell loves playing Ultimate Frisbee and hiking with his family. After graduation he plans to pursue a doctoral degree in mathematics and to continue to run the business he cofounded with Connor Robertson.
DOCTORAL DEGREES

Chemistry and Biochemistry

DOCTOR OF PHILOSOPHY
Ankur Jalan
Bradley C. Naylor
DECEMBER 2017 GRADUATES
Yu Cai
Jessica Marie Higgs
Matthew T. Ollerton
Mukul Sonker

Physics and Astronomy

DOCTOR OF PHILOSOPHY
DECEMBER 2017 GRADUATES
Derek Sean Felli
Blaine M Harker
Conrad Waldhar Rosenbrook

MAYOR’S DEGREES

Chemistry and Biochemistry

MASTER OF SCIENCE
DECEMBER 2017 GRADUATE
Parker Dean Salmans

Computer Science

MASTER OF SCIENCE
Alan Loyd Dayton
Jessica Ampuero Greenland
Scott Jared Heidbrink
Grant M. Hodgson
Vaishnavi Narayan

DECEMBER 2017 GRADUATES
Christopher Robert Anderson
Derek Sean Felli
Blaine M Harker
Conrad Waldhar Rosenbrook

Geological Sciences

MASTER OF SCIENCE
Hannah Nicole Checketts
Han (May) Deng
Evans Reid Gunnell
Dustin Shawn Northrup
Geoffrey W. Ritter
Katelynn Marie Smith
Kevin L. Stuart, Jr.
Trevor Robinson Tuttle

DECEMBER 2017 GRADUATES
Charles Stephen Andros
Rebecca Esplin
Michael Seth Jensen

Mathematics

MASTER OF SCIENCE
Bryce Emerson Blackham
Nicholas Guy Larsen
DECEMBER 2017 GRADUATE
Matthew Mark Beesley

Mathematics Education

MASTER OF ARTS
Dawn M White Barson
DECEMBER 2017 GRADUATE
Stephen Kenneth Scott

Physics and Astronomy

MASTER OF SCIENCE
Margaret Miles
Alden Roy Pack
Kelli Fredrickson Succo

Statistics

MASTER OF SCIENCE
David Benjamin Arthur
Benjamin Wyatt Clegg
Micaela Marie Johnson
Katie Ann Larson
David Alexander Lowe
Brenton Daniel Mabey
Sierra Pugh
Angela Teuscher

BACCALAUREATE DEGREES

Chemistry and Biochemistry

BIOCHEMISTRY

BACHELOR OF SCIENCE
Fernando Enrique Amaya
Taylor Powers Barr
Maxwell Karsten Beers
Christopher James Biggs
Kayla Thornton Bixler
Garrett Austin Bourne
Joshua Robert Chamberlain
Blake Lars Christensen
James Curtis Coombs III
Colton Michael Crowther
Eric Joseph Evans
Siyeon Im
John Alexander James

Nathan Dexter Keyes
Gloria Louise McGaughy
Tania Marie Nance
Benjamin David Rencher
Michael A Ruesch
Blake Aaron Scullin
Ryan Andrew Smith
Stephanie Smith
Ryan James Stenquist
Collin Morris Stocksdale
Chase Mitchell Swapp
Scott Anthony Weber

DECEMBER 2017 GRADUATES
Dalton Reed Perry
Mark Gerald Roth
Zoey Fishburn Roth

CHEMISTRY

BACHELOR OF ARTS
Ethan Scott Bryce
David Ray Wilcox

DECEMBER 2017 GRADUATES
Alan KuaChya Chang
Benjamin Brent Daines

BACHELOR OF SCIENCE
Jason John Calvin
Michael Shane Crandall
Devin Harvey Crump
Paul Joshua Hurst
Erin Elizabeth Martinez
Devon Karl Overson
Edward Bay Pimentel
Spencer McConkie Sarager
Lorenzo Young Serafin
Daniel Fred Thurston
Kelby Spencer Young

CHEMISTRY EDUCATION

BACHELOR OF SCIENCE
Mackenzie Paige Bayles
Rachel Nicole Dallin Clay
Taylor Marie Dabb
Allison Lynn McCormick
Emmalee Ann McMurray

Computer Science

BACHELOR OF SCIENCE
Daniel Craig Allen
Isaac Joseph Alvarado
Jacob Andrew Anderson
Blaine David Backman
Molly Heiner Barrott
Alexander DeMar Batschi
Rachel Ann Bengeocha Brandon Terry Bingham
Tyler Joseph Bowers
Sean Gregory Brown
Steven Michael Brown
Adam Mark Burdett
David A Call
DECEMBER 2017 GRADUATES
Reese Jackson Berry
Thomas Michael Griffiths
Scott William Inkle
Charles Addison Johnson
Jake Kelly Lemmon
James Kauwealoha Longstaff
Hayden John Ringer
Evan Lyle Sorensen
Nicholas Alan Stewart
Mackenzie Elaine Wilson

Mathematics Education

MATHEMATICS EDUCATION
BACHELOR OF SCIENCE
Courtney Danielle Ballard
Misato Bates
Shelby Lee Dewsnup
Mori Robert Dunlap
Kelly Eddington
H. Geof Hilton
Perry Nielsen Jacobsen
Aubrey McKay Poulson
Heather Elizabeth Quakenbush
Bryanna S Sheldon
Nathan Samuel Smith
Krista Lee Tenney
Amberli Elizabeth Ustach
Michelle Denise Wagner

DECEMBER 2017 GRADUATES
Eden Elizabeth Collett
Catherine Anne Davis
Laura Laree Eddington
Marlee DeNae Hatch
Alicia Marie Heninger
Emma Lynn Holdaway
Holly Elizabeth Lutz
Chelsey Lynn Van de Merwe

Physics and Astronomy

APPLIED PHYSICS
BACHELOR OF SCIENCE
Tyler Andrew Bahr
Elizabeth Ann Kane
Chatterley
Mitchell Grant Clingo
Ryan Gary Doel
Tyler Thayne Hopkin
Stefan Michael Lehnardt
Seth Daniel Price
Jared Gordon Samuels

PHYSICS
BACHELOR OF SCIENCE
Keir Alex Ashby
Jonathan Yuan Bassett
William Kevin Black
Michael Allan Carlson
Joseph Michael Chandler
Scott Leland Crossen
Adam Dee Dodson
Carson Evans
Lauren Elizabeth Hindman
Heather Longstaff Hogg
Felicity Fay Nielsen

John Ryan Peterson
Brittini Tasha Pratt
Hyrum Jay Richmond
Jesse Alden Richmond
Ethan Arza Welch

DECEMBER 2017 GRADUATE
Michael Carson Rawlins

PHYSICS—ASTRONOMY
BACHELOR OF SCIENCE
Andrew Hernandez
Steven Su Bok Wade
Maggard
William Jared Oldroyd
Miriann Annette Packard
Sean Michael Pearce
Emily Amanda Welch

PHYSICS TEACHING
BACHELOR OF SCIENCE
Rachel Anne Anderson
David Jay Buckley
Christian Dennis Clay
Rebecca Anne Folsom
Hadfield
Kamden Rachel Jones
Rachelle Larsen
Megan Christina Morganson

TEACHING PHYSICAL SCIENCE
BACHELOR OF SCIENCE
David K. Bell
Megan Jean Drennan
Lance Tracy Foutz
Devin Patrick Shields

Statistics

ACTUARIAL SCIENCE
BACHELOR OF SCIENCE
Niranjan Bhattrai
Dayne Owen Bloom
Kristofer Eldon Bolinger
Bradley Boyd Bradford
Brandon Michael Campbell
Joseph Ira Cannon
Conner Ramsay McARe
Nicolas Sean Mena
Jeremy Matthew Meyer
Eric Richard Nuer
Kaitlyn Elyse Nye
Nastassja Van Leuven Osborn
Jairus Bradley Pace

DECEMBER 2017 GRADUATES
Krisha Robinson Aquino
Nathaniel Thomas Duren
R. Neal Gardner
Brad Ryan Heywood
Chad Anthony Larson
David Thomas Paravato
Daniel James Pimentel
Andrew Jordan Sutton

STATISTICS
BACHELOR OF SCIENCE
Michelle Elizabeth Barnett
Tyler Donald Cann
Mary Castro
Benjamin Wyatt Clegg
Joseph D Cook
Alberte Randolph Dayes IV
Alexandra Lynn Dayes
Matthew Ray Drewes
Paxon Cole Fischer
Andrew Webster Flint
Alexandra Ee Gave
Emily Rose Gatenby
Megan Theresa Gilchrist
Samuel Ross Gish
Scott Gregory Greenberg
Hannah Ruth Grow
Reid Allen Gubernick
Chase Matthias Hartmann
Colin Dallas Hatch
Gehret Timothy Heward
Jessica Anne Hill
Sara Faith Hodgson
Blake Andrew Hollingsworth
Parker Samuel Howell
Derrick S. Hyde
Simi Im
Celeste Ingersoll
Nathaniel Thomas Jenkins
Cameron Richard Keyson
Christopher Kim
Brandon Christopher King
Victoria Lynn Koopmans
Eric G Lin
David Alexander Lowe
Kayden Rigby Maughan
Austin Copley McMullin
Conner Ramsay McARe
Nicolas Sean Mena
Jeremy Matthew Meyer
Eric Richard Nuer
Kaitlyn Elyse Nye
Nastassja Van Leuven Osborn
Jairus Bradley Pace
Yein Park
Forest Everett Pfenhauer
Sierra Ashley Prudencio
Daniel Aaron Prue
Sierra Pugh
Caleb Craig Pulipher
Abigail Ara Rackliffe
Tayla Trevette Ritchie
Tucker Llewelyn Roberts
Conner Van Rockwood
Cameron Irvin Schroath
Spencer Sam Seeger
Joshua Kenji Sherman
Larissa Shuppy
Ty Bradford Skousen
Dean Allan Sobczak
Bradley Robert Stephenson
Marian Elaine Strong
Jorgen Spafford Sumeson
Angela Teuscher
Benjamin Clark Tingey
Kevin Samuel Toney
Nicole Calli VanDerwerken
Whitney Robin Ware
Colton James Weaver
Nicole Whitehead
Troy David Whitehead
Tyler Jeffrey Willardson
Colywn M B Wissinger
Phillip Lewis Woods
Dylan Jeffrey Young
Allen Jin Lin Zhou
Candidates listed for graduation will be awarded degrees subject to completion of all requirements. All candidates listed for Latin honors will be awarded these designations subject to calculation of final semester grades.
Department Receptions

Graduates and their guests are invited to their respective department receptions.

Chemistry and Biochemistry
W-170 BNSN
Immediately following convocation

Computer Science
1170 TMCB
Immediately following convocation

Geological Sciences
3223 WSC
Immediately following convocation

Mathematics
3220–3224 WSC
Immediately following convocation

Mathematics Education
159 TMCB
Immediately following convocation

Physics and Astronomy
Pendulum Court, ESC
10:15 a.m.–1:00 p.m.
(Demo show at 10:15 a.m., lunch from 11:00 a.m. to 12:30 p.m.,
and planetarium show at 12:30 p.m.)

Statistics
3228 WSC
Immediately following convocation