COLLEGE OF SCIENCE
COLLEGE OF MINES AND EARTH SCIENCES
CONVOCATION

THE UNIVERSITY OF UTAH
COMMENCEMENT 2024
Candidates for degrees whose names appear in this program were applicants for graduation as of March 4, 2024.
Dear Class of 2024,

You did it! On behalf of the University of Utah College of Science and the College of Mines and Earth Sciences, I extend my sincere congratulations.

I encourage you to reflect on all that you have accomplished during your time at the U. You should take pride in those accomplishments. Your technical and quantitative backgrounds have prepared you to step into exciting, rewarding careers that will continue to foster your curiosity, creativity, and innovative spirit. Make no mistake about it: Your path will unfold in unexpected ways, taking you to places only you – and you alone – can imagine. But despite this you can be assured that many valuable discoveries await you.

Remember that you are, and will continue to be, part of the College of Science family. We want to hear about your successes, your new discoveries, your opportunities. I have no doubt you will find your place to make an impact.

Once again, congratulations! You have my very best wishes for your future success.

Peter E. Trapa
Dean, College of Science and College of Mines and Earth Sciences
Awards and Special Recognitions

William R.L. Anderegg, Associate Professor
School of Biological Sciences
Alan T. Waterman Award
National Science Foundation

William R. L. Anderegg, Associate Professor
School of Biological Sciences
National Laureate in Life Sciences, Blavatnik Awards for Young Scientists
Blavatnik Family Foundation

Dua Azhar, Student
Department of Physics & Astronomy
Outstanding Undergraduate Researcher Award
Office of Undergraduate Research, University of Utah

Leo Bloxham, Student
Department of Chemistry
College of Science Research Scholar
College of Science

Brenda Bowen, Professor
Department of Geology & Geophysics
Fellow
Geological Society of America

Gabriel Bowen, Professor
Department of Geology & Geophysics
University of Utah Distinguished Research Award
University of Utah

Sophie Caron, Associate Professor
School of Biological Sciences
Presidential Scholar
University of Utah

Sophie Caron, Associate Professor
School of Biological Sciences
Outstanding Undergraduate Research Mentor Award
Office for Undergraduate Research, University of Utah

Marjorie Chan, Distinguished Professor Emeritus
Department of Geology & Geophysics
Distinguished Service Teaching
College of Science

Phyllis (Lissy) Coley, Distinguished Professor Emeritus
School of Biological Sciences
Member
National Academy of Sciences

Kyle Dawson, Professor
Department of Physics & Astronomy
Cocconi Prize
European Physical Society
Diego Fernandez, Research Professor
Department of Geology & Geophysics
Distinguished Educator Teaching
College of Science

James Gagnon, Assistant Professor
School of Biological Sciences
Excellence in Teaching and Mentoring
College of Science

Autumn Hartley, Student
Department of Geology & Geophysics
Outstanding Undergraduate Researcher Award
Office for Undergraduate Research, University of Utah

Sarah Lambart, Assistant Professor
Department of Geology & Geophysics
Outstanding Undergraduate Research Mentor
Office for Undergraduate Research, University of Utah

Wil Mace, Research Manager
Department of Geology & Geophysics
Excellence in Safety
College of Science

Maddy Montgomery, Senior Academic Advisor
College of Science Advising
Staff Excellence
College of Science

Bryce Nelson, Administrative Manager
Department of Physics & Astronomy
Staff Excellence
College of Science

Rodrigo Noriega, Assistant Professor
Department of Chemistry
Sloan Research Fellowship
Sloan Foundation

Priyam Patel, Associate Professor
Department of Mathematics
University Early Career Teaching Award
University of Utah

Kevin Perry, Professor
Department of Atmospheric Sciences
Presidential Scholar of Societal Impact
University of Utah

Rodolfo da Silva Probst, Postdoctoral Fellow
Science Research Initiative
Outstanding Postdoctoral Researcher
College of Science
Doctorate of Philosophy Degrees

DEPARTMENT OF ATMOSPHERIC SCIENCES

Daniel Baldassare
Improved Estimates of the Hadley Cell in the Past, Present, and Future

Chengfeng Feng
All-Sky Assimilation of GOES-16 Water Vapor Channels

Michael Pye
The Western United States Drought of 2021 and 2022: Synoptic Scale Drivers and the Influence of Land-Atmosphere Interactions

Karlie Rees
Finding Dimensional Order in the Chaos of Turbulent Clouds

Brittany Welch
Evaluating the NCAR FastEddy Microscale Model for Uncrewed Aerial System Decision Support in Metropolitan Areas

DEPARTMENT OF CHEMISTRY

Praneeth Bommisetti
Studies on Transfer RNA Modifications: 4-THIOURIDINE AND 5-CARBOXYMETHYLAMINOMETHYL URIDINE

Brittany Haas
Leveraging Computational Chemistry and Data Science Tools to Enhance Reaction Development
Jordan Liles
Data Science-Driven Development of Novel Chiral Phosphoric Acid Catalysts

Majumdar Pavel
Physics and Electrochemistry of Individual Nanobubble Nucleation

Andrew Pendergast
Electrical Double Layer Effects on Electron-Transfer, Proton-Transfer, and Coupled Electron- and Phase-Transfer Reactions

Alexandra Schmeltzer
Single-Particle Bioelectrochemistry: Fundamental Studies of Ionophores, Liposomes, and Extracellular Vesicles

Scotty Squire
Application of the Spinach2 Fluorogenic RNA Aptamer to Evaluate Antibiotic Permeability

Nicholas Vitti
Advancing Single-Metal Nanoparticle Electrochemistry: Particle Nucleation and Electrocatalysis

Kefu Wang
Tuning Electronic Coupling in Silicon Quantum Dot-Molecular Hybrid Systems via the Binding Bridge for Photon Upconversion

DEPARTMENT OF GEOLOGY & GEOPHYSICS

Paige Austin
Developing Improved Predictive Models for $d^{18}O$ in Precipitation

Tylor Birthisel
Ontogeny and Osteology of Parasaurolophus n.s.p. from Grand Staircase-Escalante National Monument, Utah

Alex Engstrom
Impacts of Phragmites Remediation on Methymercury in Farmington Bay and an Examination of Wetland Shallow Groundwater Dynamics

Konstantinos (Kostas) Gkogkas
Advanced Interferometry Across Dense Nodal Arrays: Shallow Subsurface Imaging in Los Angeles and Salt Lake City

Sean Hutchings
Simulation of Strong Ground Motion Data from the 18 March 2020 Mw 5.7 Magna, Utah, Earthquake to Evaluate the Wasatch Front Community Velocity Model (WFCVM)

Chantelle Kiessner
Strength and Texture Development of Zircon and Irradiated Ceria

Samuel (Sam) Lopez
Mercury Stable Isotope Approaches to Assess Mercury Sources and Biogeochemical Cycling at Great Salt Lake

Casey Meirovitz
From Rocks to Models: Use of Outcrop Characterization for Improved Reservoir Performance Prediction

Santiago Rabade Garcia
Exploring Volcanic and Industrial Geohazards Using Dense Geophone Arrays and Seismic Interferometry

Mo Tao
Geophysical Study of Offshore Salt Diapir - Related Structures by Integrating Gravity and Magnetic Data: A Case Study in the Nordkapp Basin, Barents Sea

Margaret (Meg) Wolf
Quantifying Spatial and Temporal Patterns in Groundwater Recharge and Subsequent Controls on Runoff Efficiency in Snowmelt-Dominated Headwater Streams of the Western United States
DEPARTMENT OF METALLURGICAL ENGINEERING

Amanda Erskine
Three-Dimensional Characterization of Packed Particle Beds by High-Resolution X-Ray Computed Tomography for Mineral Processing Applications

Matthew Newton
Development of Electrochemical Methods of Redox Control and Detection of Metal Impurities in Molten Fluoride and Molten Chloride Eutectic Salts

Rahulkumar Singh
Deformation, Structural and Magnetic Behavior Studies of Equiatomic FeNi Single Crystals

DEPARTMENT OF MATHEMATICS

Justin Baker
Multiscale, Geometric and Model Reduction Techniques in AI for Science

Hanlin Cai

Kanyarat Jitmana
Mathematical Modelling of the Evolution of Resistance and Aggressiveness of High Grade Serous Ovarian Cancer Patients from Patients Ca-125 Time Series

Sanghoon Kwak
Coarse Geometry of Pure Mapping Class Groups of Infinite Graphs

Daniel McCormick
Ghostly Ring Maps and Cohomological Jump Loci

Peter McDonald
Two Applications of Derived Categories to the Study of Singularities

Placede Tshiaba
Applied Observational Causality Testing

Catherine Warner
Virtual Semiduality of SL3(Fp[t])

Lingyao Xie
Minimal Model Program for Generalized Pairs

DEPARTMENT OF MINING ENGINEERING

Tori Maxwell

DEPARTMENT OF PHYSICS & ASTRONOMY

Sabastian Atwood
Multi-Photon Resonances in Dressed Spin States of Weakly-Coupled Charge Carrier Pairs in Organic Light-Emitting Diodes

Allyson Brodzeller
Quasar Spectral Models for Cosmological Analyses

Sanduni Fernando
Engineered Point-Spread Functions for Hyperspectral Localization Microscopy
Heshan Hewa Walpitage
Optical, Electro-Optical and Magneto-Optical Properties of Hybrid Organic-Inorganic Perovskite Semiconductors

Tamara Young
Students’ Intuitive Resources Related to Symmetry for Sensemaking About the Physical Phenomenon of Magnetism

SCHOOL OF BIOLOGICAL SCIENCES

Kendra Autumn
Evolutionary Genomics of Mycoparasitism in the Order Hypocreales With a Focus on the Genus Hypomyces

Magali Ayala
Molecular Mechanisms Underlying the Synergistic Interactions of Antifungals in Combination with Repurposed Drugs for the Treatment of Cryptococcus

Margaret Doolin
Interactions of Parasites and the Gut Microbiome

Makenna Johnson
Mechanisms of Pairing: Pro-Pairing and Anti-Pairing Sites in Drosophila

Kate Lemons
Maintenance of Genomic Integrity in the Male Germline of Drosophila Melanogaster

Kirsten Meredith
Mosquito Behavior – Mechanisms and Strategies for Host Location

Jasmine Phan
Membranes and Metabolism

Katherine Piscopo
The Regulation of Endosome Function during Endoplasmic Reticulum Stress

Georgina Reyes
Tracking Stimulus Signal Through the Escherichia Coli Serine Chemoreceptor

Atoosa Samani
Rolling Pigeons: The Genetic Basis of a Flight Disrupting Behavior in Domestic Pigeons

Sarai Smith
Transmembrane Signaling Events in E. Coli Chemoreceptors

Madison Smith
Soothing Stress Through Close Contact: How Endoplasmic Reticulum - Plasma Membrane Contact Sites Relieve Membrane Tension

LiSzhen Snyder
Genome Degeneration in Nascent Symbionts

Andrea Sposato
Charting Stem Cell Fate in the Zebrafish Testis

Kewei Xu
Decoding Chromosome Organization Using Chec-Pls: Chromosome Conformation by Proximity Labeling and Long-Read Sequencing
Masters of Science

DEPARTMENT OF ATMOSPHERIC SCIENCES

Peter Gombert
Observed Global Cloud Occurrence Anomalies Associated with the Major Circulation Oscillations

Haley Scott
Nox Emissions From The Salt Lake Valley as Inferred Through Joint Measurements of Nox With Co2: Magnitude, Trends, and Variability

Ryan Szczersinski
Atmospheric Parameter Measurements With a Novel thermodynamic Sensor

DEPARTMENT OF CHEMISTRY

Jeffrey Lin

DEPARTMENT OF GEOLOGY & GEOPHYSICS

Holly Anderson
Quantifying the Effects of Forest Structure on Snow Ablation

Ryan Avila
Analyzing the High-Pressure Phase Transition of Irradiated Zircon into Reidite

Hannah Baggs
Delta and Sediment Movement of the Upper Colorado and San Juan Rivers into Glen Canyon Reservoir 2019-2023

Bryan Bielicki
Mercury in the Great Salt Lake

William (Mac) Borrowman
Mercury in the Great Salt Lake

Dustin Calder
Evaluating Concentrations of Lead in the Ecosystem and Potential Atmospheric Pollution in American Fork Canyon.

Kimberly Dee
Structural Health Monitoring: Cobra Arch & Eggshell Arch

Kevin Engberson
Mercury in the Great Salt Lake

Manon Felos
Last Ice Age Glaciers of the Park, Elkhead, and Sierra Madre Mountains of Colorado and Wyoming: With Emphasis on the Development of Methods to Map Paleo-Ice Caps Using Lidar Hillshades

Ashley Fenwick
Mercury in the Great Salt Lake

Jakob Garlick
Cosmogenic Dating of 3He in Pyroxene and Mapping of Surficial Geology in the Upper Fremont Plateaus, UT

James Hansen
Seasonal Stratification of Laurentian Great Lakes
JennaMarie Harris
Geospatial Analysis of Last Ice Age Glaciers in the Bighorn Mountains, Wyoming

Shannon Heiner
Genetic Diversity of Osmia Cornifrons in An Agricultural Setting in California

Kolby Henrie
Using Spac and Bayesian Inversion of Microtremors to Determine Risk of Earthquake Damage of Utah Schools

Craig Holdaway
Using Spac and Bayesian Inversion of Microtremors to Determine Risk of Earthquake Damage of Utah Schools

Sydney Hoopes
Wind Dynamics and Surface Water Movement on the Bonneville Salt Flats

Minna Kim
Spatial and Temporal Variability in Wasatch Range New Snow Chemistry

Megan Lonsdale
Last ice age glaciers of the Sangre de Cristo mountains, New Mexico, USA

Joanna Mclean
A More Complete Paleoseismic Record for the Wasatch Urban Corridor - New Data and Challenges From the West Valley Fault Zone, Salt Lake City, Utah

Jay Merrill
Using “Pool Toy” Models of Ammonite Shells to Frame Hydrodynamic Studies of Extinct Ocean Life

Jennika Perkins
Paleoglacial Mapping Instructional Technique for Undergraduate Researchers

Allison Randall
Stable Isotope Analysis of Baby Foods and Formulas: A Preliminary Survey

Kimberly Rider
Combining Traditional Methods and New Data Sets to Backcast the Intensity and Duration of Flash Floods

Kathryn Schlinkmann
Combining Traditional Methods and New Data Sets to Backcast the Intensity and Duration of Flash Floods

Andrew Starace
Using Utah Geological Survey’s Aerial Imagery Database for Photogrammetric Modeling in Agisoft Metashape

Kelly Wilson
Delta and Sediment Movement of the Upper Colorado and San Juan Rivers into Glen Canyon Reservoir 2019-2023

Nancy Wright
Structural Health Monitoring: Cobra Arch & Eggshell Arch

**Department of Physics & Astronomy**

Sunday Ajibade
Predicting Radiotherapy Treatment Couch Position Based on the Isocenter Placement In the Treatment Plan System

Abigail Coker
Examining ΛCDM’s Plane of Satellites Problem for Milky Way Analogs

Rebecca Corley
School of Biological Sciences

Federico Collazo Cáceres
Factors Influencing Caucasian Lynx (Lynx lynx Dinniki) Home Range Size in Northeastern Türkiye

Kaden Wall
Neurotransmitter Loading as a Checkpoint for Synaptic Vesicle Fusion

STUDENT PROGRAMS

ACCESS Scholars
Alexandra Acuna
Dua Azhar
Tayla Chiang
Jamie Covington
Sarah Crago
Nicole Forrester
Julia Galecki
Angelina Miller
Riley Murray
Samantha Nestel
Michelle Tin

College of Science Ambassadors
Aasutosh Acharya
Dua Azhar
Margaret Bergen
Arnel Besic
Gabriel Brown
Tayla Chiang
Brian Chuong
Anika D'Souza
Uziel Gonzalez
Alexa Gormick
Caroline Keller
Sydney Larsen
Emmanuel Lopez
Riley Murray
Samantha Nestel
Hanna Pucheu
Michelle Tin
Nash Ward

Learning Assistants
Grace Makassa Agnes
Abdulrahman Alyousef
Dua Azhar
Daniel Barrera
Radhika Bhakta
Grace Bramlage
Susan Burnap
Jui-Yi Chiou
Zane Colter
Jamie Covington
Rodrigo Gallegos-Molano
Pierce Gardner
Danaya Geer
Siqi Guo
Joshua Hill
Alicia Horn
Jaqueline Hyman
David Kendall
Eunseo Kim
Logan Klar
Nicholas Kwan
Mariana Lico De Freitas
Kevin Liebtrau
Subeen Lim
Mae Ling Lewis
Grace Liu
Matthew Long
Madison Marker
Lexy Miller
Ali Nackos
Ronald Nguyen
Tyler Ockey
Hetvi Patel
Raquel Perry
Jaden Perkins
Scott Perkins
Hanna Pucheu
Eva Shaw
Andy Vuong
Nash Ward
Hannah Winslow
Alec Woodliff
Xiangnan Yi
Zane Zobell

Science Research Initiative
Susan Barnhisel
Caden Collins
Eliza Diggins
Anika O’Souza
Jacqueline Hyman
Annika Kloepper
Sydney Larsen
Mariana Lico De Freitas
Alex Lockery
Ethan Lynsky
Samuel Mena
Abbie Nistler
Carmelina Pedro
Sydney Skousen
Lorelei Sole
Kiana Taylor
Nash Ward
Lauren Wigod
Candidates for the Degree of Doctor of Philosophy
Atwood, Sabastian Ivan, Physics
Austin, Paige Lowry, Geology
Ayala, Magali, Biology
Baldassare, Daniel, Atmospheric Sciences
Beaver, Kevin James, Chemistry
Bommisetti, Praneeth, Chemistry
Boynton, Alicia Michelle, Biology
Brodzeller, Allyson Fay, Physics
Brown Heft, Isaac Peter, Physics
Bubas, Amanda Rose, Chemistry
Chung, Krystal Youn-Shyl Elaine, Biology
Clarke, Eamonn Thomas, Chemistry
Cummins, Alexander James, Biology
Doolin, Margaret Louise, Biology
Eastman, Karsten A, Chemistry
Fernando, Sanduni Iranga, Physics
Gkogkas, Konstantinos, Geophysics
Groathouse, Sean Anthony, Mathematics
Haas, Brittany Catherine, Chemistry
Hansen, Kameron Rex, Chemistry
Hewa Walpitage, Heshan Samuditha Weerasinghe, Physics
Huang, Tingting, Chemistry
Jensen, Erin Katherine, Geological Engineering
Ji, Mei yuan, Biology
Jitmana, Kanyarat, Mathematics
Johnson, Makenna Baker, Biology
Kim, Young hwon, Metallurgical Engineering
Klure, Dylan Markus, Biology
Kwak, Sanghoon, Mathematics
Laguerre Van Sickle, Lorraine, Chemistry
Lee, Seung su, Mathematics
Liles, Jordan Patrick, Chemistry
Lopez, Samuel, Geology
Majumdar, Pavel, Chemistry
Mccormick, Daniel, Mathematics
Meirovitz, Casey Donald, Geology
Mendoza, Kevin Anthony, Geophysics
Meriles, Dakota Michael, Chemistry
Morren, Amy Chi-Tsong, Chemistry
Mueller, Brian Daniel, Biology
Pancoast, Adam Robert, Chemistry
Pendergast, Andrew David, Chemistry
Peters, Ellyn Bea, Chemistry
Pimonova, Yulia Andreyevna, Chemistry
Rabada Garcia, Santiago Emilio, Geophysics
Rees, Karlie Nicole, Atmospheric Sciences
Rice, Marlen Craig, Biology
Schmelzer, Alexandra Jade, Chemistry
Schrock, Madison Nicole, Biology
Schumm, Ryan Daniel, Mathematics
Sheets, Theresa R, Mathematics
Sime, Marc Freddy, Metallurgical Engineering
Singh, Rahulkumar, Metallurgical Engineering
Squire, Scotty Odell, Chemistry
Stevenson, Brandon Carter, Chemistry
Talebi Esfandarani, Elaheh, Mining Engineering
Tang, Tianhua, Chemistry
Treble, Keaton Smith, Biology
Vincent-Mueller, Jessica Nicole, Biology
Warner, Catherine Claire, Mathematics
Wells, Daniel Edward, Geophysics
Wolf, Margaret Ann, Geology
Xie, Lingyao, Mathematics
Yang, Fengwei, Physics
Yang, Julia Chung-Li, Biology
Young, Aaron Samuel, Mining Engineering
Young, Tamara G, Physics
Zhanserkeev, Asylbek Almazovich, Chemistry

Candidates for the Degree of Master of Science
Ajibade, Sunday Oluwafemi, Physics
Anderson, Holly, Earth Sciences (Teaching)
Avila, Ryan Enrique, Earth Sciences (Teaching)
Baggs, Hannah Edith Edralin, Earth Sciences (Teaching)
Bailey, Paul, Physics
Baldwin, Corbin William, Mathematics
Beal, Rebecca Lynn, Atmospheric Sciences
Bielicki, Bryan Christopher, Earth Sciences (Teaching)
Birthisel, Tylor Andrew, Geology
Blank, Skylar, Chemistry
Bodin, Rikard Johannes, Physics
Bois, Corey, Atmospheric Sciences
Boomsma, Jacob Douglas, Atmospheric Sciences
Borrowman, William Mcbrayer, Earth Sciences (Teaching)
Bradshaw, Patrick Gallagher, Geophysics
Brinkman, Erin Catherine, Geology
Buckland, Isaac James, Physics
Calder, Dustin, Earth Sciences (Teaching)
Campbell, Eric Voiten, Chemistry
Carrillo-Cardenas, Gerardo, Atmospheric Sciences
Cass, Ashley Christine, Chemistry
Coker, Abigail Allison, Physics
Corley, Rebecca, Physics
Crawford, Savannah Marie, Mathematics
Davis, Kyle Mckay, Biology
Dee, Kimberly S, Earth Sciences (Teaching)
Dewitt, Thomas Dean, Atmospheric Sciences
Duerr, Anne M, Physics
Engberson, Kevin Cecil, Earth Sciences (Teaching)
Engstrom, Alex Erik Anders, Geology
Erskine, Amanda, Metallurgical Engineering
Fehl, Manon Gia, Earth Sciences (Teaching)
Finwick, Ashley May, Earth Sciences (Teaching)
Finley, Hannah, Geology
Forbes, Nicholas Mason, Geophysics
Gaichuk, Ivan V, Geology
Gargaro, Jackson Irving, Chemistry
Garlick, Jakob Dyson, Earth Sciences (Teaching)
Gombert, Peter Matthew, Atmospheric Sciences
Hagen, Tyler Thomas, Physics
Hannah, Christian Hoyt, Physics
Candidates for the
Degree of Master of Science and Technology
Barger, Keelah, Biotechnology
Call, Chase Morgan, Biotechnology
Cox, Terry Franklin, Computational and Data Science
Dejager, Connor, Biotechnology
Goodman, Jordan, Biotechnology
Johnson, Bryson Robert, Biotechnology
Malyn, Daniel, Biotechnology
Peabody, Ryley Jared Joseph, Biotechnology
Smith, Spencer Evan, Computational and Data Science

Candidates for the
Degree of Master of Statistics
Boer, Johan C, Mathematics
Cardoen, Wim R M, Mathematics
Eikenberry, Irina, Mathematics
Groathouse, Sean Anthony, Mathematics
Lee, Hylia, Mathematics
Lui, Brandon, Mathematics
Springer, Scott Wayne, Mathematics
Woychick, Jonas Philip, Mathematics
Yassmin, Thomas, Mathematics

Candidates for the
Degree of Honors Bachelor of Arts
Brague, Madeline, Biology
Bramlage, Grace Kaye*, Physics
Ganesh, Kajal Kalpana, Biology
Hyman, Jacqueline Lillie***, Biology
Martinez, Travis Jay, Biochemistry
Young, Bailey Mckenna***, Biology

Candidates for the
Degree of Honors Bachelor of Science
Amedee, Nicole Ann, Biology
Azhar, Dua, Physics
Bender, Austin Norman***, Biochemistry
Bacic, Arnel, Chemistry
Blaser, Avalon Ann, Applied Mathematics
Brooks, Amber Lauren**, Biology
Chong, Alisha Xin-Yi, Biology
Colter, Zane Harrison***, Mathematics
Curtis, Alyssa Marie, Biology
Day, Bailey Grace, Physics
Diggins, Eliza***, Physics
Enquist, Anneke Elizabeth, Biochemistry
Field, Mikaela, Biology
Galecki, Julia C**, Biochemistry
Gardner, Shalyce Lyttia, Biology
Geer, Danaya, Biology
Gerton, Marina Lee, Biology
Gerton, Marina Lee, Chemistry
Gopinath, Dhruvan, Chemistry
Gormick, Alexa Noelle, Biology
Haerter, Natalie L'Heureux, Biology
Helton, Seth P, Biology
Hill, Brea Ahryana, Biology
Hindley, Jack Thomas**, Biochemistry
Hollins, Hailey Louise**, Biology
Horn, Alicia Caitlin, Biology
Keller, Caroline, Biology
Kober, Derek E, Biology
Koizumi, Daniel Ryou***, Mathematics
Larsen, Sydney Nicole***, Biology
Lindley, Clara L.*, Biology
Lozada, Benvin Fan*, Mathematics
Machado, Julane, Biology
Mcm anus, Kylee Alaina, Biology
Medvedeva, Victoria*, Biochemistry
Candidate for the
Degree of Honors Bachelor of Science in
Atmospheric Sciences
Liu, Grace Tianyi**

Candidate for the
Degree of Honors Bachelor of Science in
Geoscience
Gomez, Melanie Valentina

Candidates for the
Degree of Bachelor of Arts
Beckman, Kai Y, Biology
Calderon, Vanessa Marie, Biology
Christy, Kyle B, Biology
Cuartas, Christian, Biology
Eyring, Gabriela, Biochemistry
Fowles, Anna, Biology
Harris, Bailey Anne, Biology
Kearl, Ayre M, Biology
Kendall, David Ian, Biology
Koeplin, Claire E, Biology
Lane, Audrey E, Biology
Makassa Agnes, Grace Esther, Biology
Prewett, Amira M, Biology
Rasmussen, Nels Shane, Biology
Richards, David Lewis, Biochemistry
Simmons, Sean, Biology
Smith, Miles Alexander, Biology
Tanner, Elle, Biology
Tin, Michelle**, Biology
Wood, Mable A, Biology

Candidates for the
Degree of Bachelor of Science
Acevedo Dominguez, Natalia, Biology
Acord, Auburn Sage, Biology
Acuna, Alexandra, Biology
Adams, London Davis, Physics
Aguado, April Melody, Biology
Aguayo, Jesus Eduardo, Biology
Al-Rayess, Kareem Wael, Biology
Aldridge, Britta Katrina, Physics
Allen, Jessica, Mathematics
Altherr, Alexander Joseph, Biology
Amy, Tyler Jay, Applied Mathematics
Archibeque, Cassidy Rebecca, Biology
Armstrong, Noah, Biology
Arok, Ajak Abuol, Biology
Austin, Chastity Carol, Biology
Bailey, Maddison Kae, Biochemistry
Baker, Kobi Allan, Biochemistry
Ballinger, Alex Jeremy, Biology
Bangert, Sarah Christensen, Chemistry
Barashyan, Gregory, Biology
Baray, Florentino, Chemistry
Barnhisel, Susan Justice, Biology
Barrera, Daniel Steven, Biochemistry
Bastiani, Max William, Biology
Baterdene, Bayasal, Biology
Bates, Ashley Mae, Biology
Bates, Justin Dean, Physics
Behrends, Alyssa Nicole, Mathematics Teaching
Bennett, Anson Stuart, Physics
Bennett, Jeffrey Benajamen, Biology
Bennion, Calvin Dennis, Biology
Bergen, Margaret Elise, Biology
Bhakta, Radhika, Biochemistry
Birch, Arianna Marie, Biology
Blanchard, Whitney Ann, Biology
Bonal, Kianna Marie, Biology
Bond, Austin P, Mathematics Teaching
Borne, Rebecca Mariana, Biology
Bosworth, Bryce Daniel, Biology
Boulanger, Nathan R, Biology
Boyer, Clay, Biology
Brabb, Kathleen, Biology
Breinholt, Garrett, Mathematics
Brickey, Isaac Taylor, Biology
Broadhead, Matthew J, Biology
Brotherson, Ally, Biology
Brower, Stella Gail, Mathematics
Brown, Gabriel Stephen, Biology
Brownson, Wyatt David, Biology
Brunisholz, Henry James, Mathematics
Bryce, Kacy Marie, Chemistry
Bui, Minh Thy, Biology
Burnap, Susan, Biology
Calderwell, Collin, Biology
Callen, Grant Robert, Biology
Candelaria, Zachary Ryan, Mathematics
Cannon, Alex, Biology
Carbone, Zachary Alexander***, Biology
Carroll, Haley Anne, Biology
Cary, Jenna Louise, Biology
Cederlind, Kamien Hendrix, Biology
Champion, Aaron Parker, Biology
Chan, Peter Shou-Z, Physics
Chen, Siwei, Physics
Cheng, Yinke, Mathematics
Chiang, Tayla N, Biology
<table>
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Pucheu, Hanna, Applied Mathematics
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Rehman, Shareef, Biochemistry
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Seppi, Mason A, Mathematics
Sheehan, Jack F*, Chemistry
Sherwood, Michael D*, Chemistry
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Slater, Marie Ann, Biology
Slaughter, Mason Robert***, Biology
Smith, Joshua Blake, Mathematics
Smith, Kyle Scott, Mathematics
Smith, Mick Neal, Biology
Smoot, Morgan Emily, Biochemistry
Sole, Lorelei, Biochemistry
Soweidan, Nadine, Mathematics
Sperber, Aidan Michael, Biology
Spiegelberg, Brock William, Biochemistry
Spohn, Morgan R., Biology
Storm, Carson Parker, Mathematics
Streuber, Dietrich Gregory, Biochemistry
Stromberg, Brooklyn, Biology
Syverson, Jake Brian, Biology
Ta, Gia Linh, Biochemistry
Taggart, Graham, Biology
Tauffest, Austin Matthew, Biology
Taylor, Kiana, Biology
Thermos, Elizabeth Jerry, Biology
Thomas, Devin Connor, Biology
Toeun, Cobi T, Applied Mathematics
Torabi, Hannah Kirsty Affan, Biology
Tran, Julianne Kim, Biology
Trimble, Tyson Keene*, Biochemistry
Triplett, Julia Alicia, Mathematics Teaching
Trotter, Tyler James, Applied Mathematics
Trussell, Prayerie, Biology
Urban, Raichle Smith, Biology
Utendorfer, Haley Johanna, Biology
Valerio, Katharine L., Biochemistry
Valiquett, Connor Melford, Chemistry
van den Akker, Mary Evelyn, Mathematics
Vasquez, Joseph Benjamin, Biology
Vaught, Gracie Lyn, Physics
Voeller, Derek Anthony, Physics
Votek, Amber Kay, Mathematics
Vuong, Andy, Applied Mathematics
Wall, Amanda K, Biology
Ward, Nash***, Mathematics
Ward, Randi Renae, Biology
Wardle, Madeleine Napier, Biology
Wigod, Lauren Marie, Biology
Windley, Bradford John, Biology
Winslow, Hannah Elizabeth Xin*, Biology
Woltjen, Lucas Kevin, Physics
Wood, Sidnee P, Mathematics
Whipple, Rachel Anne, Chemistry
Whitehead, Laura, Biology
Whitehead, Madeleine Napier, Biology
Wigod, Lauren Marie, Biology
Windley, Bradford John, Biology
Winslow, Hannah Elizabeth Xin*, Biology
Woltjen, Lucas Kevin, Physics
Wood, Sidnee P, Mathematics
Woodliff, Aric Zinan, Applied Mathematics
Wu, DingBang, Biology
Wu, Yizhou, Biochemistry
Yang, Guang, Mathematics
Yang, Meng, Applied Mathematics
Yang, Kaiyuan, Mathematics
Yi, Xiangnan, Applied Mathematics
Zayne, Joshua Aleczaier Tiberius, Applied Mathematics
Zeng, Hui, Biology
Zhuo, Kevin, Biology
Zobell, Zane Reid, Biochemistry

Candidates for the 
Degree of Bachelor of Science in 
Atmospheric Sciences

Archibald, Faith Louise Margaret
Daniels, Grant Lowell
Gardner, Pierce James
Jackson, Rory Michelle
Kneller, Pauline V
Miller, Angelina Mae**
Miller, Lexy K
Milliner, Samuel George
Pinegar, Elizabeth Grace***
Schwarzhoff, Halle Lynn
Wayman, Clara C
Zanetti, Marco Robert

**Candidate for the**
**Degree of Bachelor of Science in**
**Earth Science Composite Teaching**
Ralston, Aubrey

**Candidates for the**
**Degree of Bachelor of Science in**
**Geological Engineering**
Ampula, Nicola Olen
Braning, Kali N
Caldwell, Bradley Lowell

**Candidates for the**
**Degree of Bachelor of Science in**
**Geoscience**
Ashurst-Mcgee, Logan Michael
Bailey, Nicholas
Beck, Alaura Lynn
Boeman, Emma Zetta**
Burke, Rylie Anne
Carpenter, Savannah
Codding, Emerson F
Cruz, Claire Nicole
Eagan, Dewi Proffitt
Fausett, Peyton Douglas
Garza, Brooke Kathleen
Hamilton, Maxwell J
Hirschi, Tren J
Hoskins, Brittney M
Humphrey, Coburn Hall
Jacketta, Mason
Jorgensen, Rachel Ann
Land, Amanda Ruth
Lelonek, Margaret Madeline
Margo, Alexandria J
Olsen, Cameron Hailey
Ransom, Hunter Stephen
Ruff, London Marie Lorraine
Seggar, Summer
Shaw, Eva Noel
Sun, Chengzhe
Yoklavich, Tyler John

**Degree of Bachelor of Science in**
**Mining Engineering**
Alyousef, Abdulrahman Ahmed
Batal, John Sutherland
Carhart, Mikel Alexander Bussard
Escobedo, Sebastian
Jensen, John Lincoln
Johnson, Ethan
Krok, Richard Vincent
Robertson, Chaseton Douglas*
Smith, Jordan James
Sutcliffe, Ian Douglass

**Certificates**

**Candidate for the**
**Graduate Certificate in**
**Hydrology and Water Resources**
Powell, James Terry

**Candidate for the**
**Undergraduate Certificate in**
**Computational Linguistics**
Murray, Riley Monroe

**Candidates for the**
**Undergraduate Certificate in**
**Geographic Information Science**
Codding, Emerson F
Cruz, Claire Nicole

**Candidate for the**
**Undergraduate Certificate in**
**Hazards and Emergency Management**
Archibald, Faith Louise Margaret

**Honor Societies**

**Student Elected to the**
**Honor Society of Alpha Sigma Lambda**
Eikenberry, Irina

**Student Elected to the**
**Honor Society of Golden Key**
Eikenberry, Irina

**Student Elected to the**
**Honor Society of Omicron Delta Epsilon**
Lozada, Benvin Fan

**Student Elected to the**
**Honor Society of Phi Beta Kappa**
Murray, Riley Monroe
Students Elected to the Honor Society of Phi Eta Sigma
Lee, Ming Long
Nguyen, Ronald Kymanh
Palmer, Michael Isaac
Young, Aaron Samuel

Student Elected to the Honor Society of Phi Kappa Phi
Smith, Spencer Evan

Student Elected to the Honor Society of Pi Mu Epsilon
Crawford Taylor, Andrew Nichols

Scholars

Candidates for Undergraduate Research Scholar
Armstrong, Noah
Azhar, Dua
Bender, Austin Norman
Besic, Arnel
Chong, Alisha Xin-Yi
Coffey, Clara Scott
Crago, Sarah E
Diggins, Eliza
Field, Mikaela
Furness, David Christian
Galecki, Julia C
Gerton, Marina Lee
Gilstrap, Anna LiQiao
Gopinath, Dhruvan
Gormick, Alexa Noelle
Hill, Joshua Boyd
Hollins, Hailey Louise
Keyser, Michael Alessandro
Larsen, Sydney Nicole
Lindley, Clara L
Liu, Grace Tianyi
Lozada, Benvin Fan
Medvedeva, Victoria
Murray, Riley Monroe
Nestel, Samantha Upton
Palmer, Michael Isaac
Ricks, Rachel Lyn
Romano, Alexander John
Sageser, Emily Jane
Smoot, Morgan Emily
Sohlberg, Nancy
Sole, Lorelei
Wu, DingBang
Yoklavich, Tyler John

***Summa Cum Laude
**Magna Cum Laude
*Cum Laude