

Commencement

SPRING SEMESTER 2024



COLLEGE OF EARTH AND MINERAL SCIENCES

Saturday, May 4, 2024

Pegula Ice Arena

1:00 p.m.



PennState



National Anthem

by Francis Scott Key

O say, can you see, by the dawn's early light,
What so proudly we hailed at the twilight's last gleaming;
Whose broad stripes and bright stars, thro' the perilous fight,
O'er the ramparts we watched, were so gallantly streaming?
And the rockets' red glare, the bombs bursting in air
Gave proof thro' the night that our flag was still there.
O say, does that Star-Spangled Banner yet wave
O'er the land of the free and the home of the brave!

Alma Mater

by Fred Lewis Pattee

For the glory of old State,
For her founders, strong and great,
For the future that we wait,
Raise the song, raise the song,

Sing our love and loyalty,
Sing our hopes that, bright and free,
Rest, O Mother dear, with thee.
All with thee, all with thee.

When we stood at childhood's gate,
Shapeless in the hands of fate,
Thou didst mold us, dear old State,
Dear old State, dear old State.

May no act of ours bring shame
To one heart that loves thy name,
May our lives but swell thy fame,
Dear old State, dear old State!



PennState
College of Earth
and Mineral Sciences

COMMENCEMENT

Spring 2024 Baccalaureate Degrees

COMMENCEMENT PROGRAM

ACADEMIC PROCESSIONAL

Performed by Centre Brass

NATIONAL ANTHEM

Led by Anna Farris

The audience is asked to join in the singing.

PRESIDING

Tracy Langkilde, B.S., Ph.D.

Interim Provost, The Pennsylvania State University

COMMENCEMENT ADDRESS

Jennifer Hesterman, B.S., M.S., Ph.D.

Colonel, U.S. Air Force (retired)

AUTHORIZATION TO CONFER DEGREES

Cynthia A. Dunn, B.S., M.S.

Member, Board of Trustees

RECOGNITION OF MERITORIOUS ACHIEVEMENT

Dean Lee Kump, A.B., Ph.D.

John Leone Dean in the College of Earth and Mineral Sciences

RECOGNITION OF DEPARTMENT MARSHALS

Yvette Richardson, B.S., M.S., Ph.D.

Senior Associate Dean for Undergraduate Education

CONFERRAL OF DEGREES

Tracy Langkilde, B.S., Ph.D.

Interim Executive Vice President and Provost, The Pennsylvania State University

INDUCTION INTO ALUMNI ASSOCIATION

Scott Billingsley, B.S.

Graduates of Earth and Mineral Sciences (GEMS) President

PENN STATE ALMA MATER

Led by Anna Farris

The audience is asked to join in the singing.

RECESSIONAL

Performed by Centre Brass

The audience will please remain seated.

UNIVERSITY NOMENCLATOR

E. Alan Cameron, B.S.A., M.S., Ph.D., B.C.E.

Professor Emeritus

MARSHALS

UNIVERSITY MARSHAL

R. Allen Kimel, B.S., M.S., Ph.D.
Associate Teaching Professor of Materials Science and Engineering

COLLEGE MARSHAL

Michael Mervosh, Materials Science and Engineering
Faculty Marshal: Clive Randall, B.S., Ph.D.
Distinguished Professor, Materials Science and Engineering
Director, Materials Research Institute

SCIENCE HONOR MARSHAL

Brenden Franks, Geography
Assistant Faculty Marshal: Jennifer Baka, B.S., M.P.P., Ph.D.
Associate Professor of Geography

DEPARTMENT MARSHALS

Geography

Nathan Andrew Cherok

Geosciences

Octavia Anna Szkutnik

Meteorology and Atmospheric Science

Ethan Robert Balderrama and Christian Spallone

Materials Science and Engineering

Muhammad Khairul Ikhwan Bin Ishak

Energy and Mineral Engineering

Halah Abdulaziz A. Aldejain and Wedad Hussain M. Bin Dira

GEMS DIAMOND AWARD RECIPIENT

Tori Miller, Environmental Systems Engineering

COLLEGE LEADERSHIP

Lee Kump, A.B., Ph.D.
John Leone Dean in the College of Earth and Mineral Sciences

Yvette Richardson, B.S., M.S., Ph.D.
Senior Associate Dean for Undergraduate Education

Joshua Robinson, B.S., M.S., Ph.D.
Acting Associate Dean for Graduate Education and Research

Victoria Sanchez, B.A., M.A., Ph.D.
Associate Dean for Educational Equity

Ann Taylor, B.A., M.A., Ph.D.
Senior Assistant Dean for Distance Learning



Message from the Dean

Congratulations, Class of 2024!

Congratulations, Class of 2024! You've earned a degree from one of the most challenging programs at Penn State. Along the way you experienced the joy of discovery, the stress of deadlines and examinations, and the satisfaction of a job well done. You learned how to think critically and write clearly, how to gather, present and analyze data, and how to effectively communicate your conclusions and their impact to a diverse audience. We, the faculty and staff of the College of Earth and Mineral Sciences, along with the students you've gotten to know, both undergraduate and graduate, couldn't be prouder of you and your accomplishments. I know we share that pride with your family and friends who have provided you support through your time at Penn State.

We have truly enjoyed being a partner with you in your quest for knowledge over these past few years. The faculty have worked to provide you an education that gives you both the broadly applicable skills and the depth of understanding of your chosen discipline that you'll need to navigate both smooth and choppy waters ahead. And you've honed those talents, developing a strong sense of resiliency that will serve you well in life. Use your skills and knowledge to find a rewarding career and to do good for society. And continue to lean on us for support. You are joining one of the most supportive alumni networks in the world: you are now a GEMS, a Graduate of Earth and Mineral Sciences, and the GEMS alumni organization will be there when you need them. So, enjoy your graduation day, stay safe and healthy, and stay in touch.

Lee Kump,
John Leone Dean in the College of Earth and Mineral Sciences

Commencement Speaker

Jennifer Hesterman, alumna and colonel in the U.S. Air Force (retired), will deliver the commencement address for the College of Earth and Mineral Sciences' spring 2024 baccalaureate degree commencement ceremony.

Hesterman served in three Pentagon tours and multiple command positions in the field. Her final assignment was as vice commander at Andrews Air Force Base in Maryland, where she led installation security, including the protection of Air Force One.

Hesterman is the recipient of the Legion of Merit, the Meritorious Service Medal with 5 oak leaf clusters, the National Defense Service Medal with one star and the Global War on Terrorism Service Medal.

After her military retirement in 2007, Hesterman worked as a cleared defense contractor researching terrorism, organized crime, radicalization, and the exploitation of the Internet. She now provides security assessments for our nation's critical infrastructure, advises two Department of Homeland Security Centers of Excellence and designs and instructs graduate level security courses for the Defense Counterintelligence and Security Agency with the Department of Defense.

Hesterman was a National Defense Fellow at the Center for Strategic and International Studies, attended the Harvard Senior Executive Fellows program and was a senior fellow at the Center for Cyber and Homeland Security at George Washington University.

She holds a doctoral degree from Benedictine University, master of science degree in applied behavioral science from Johns Hopkins University, a master of science in military operational art and science from Air University, and a bachelor of science degree in geography from Penn State.



Baccalaureate Degree Recipients

PROGRAM NOTES

Scholastic Distinction: Subject to completion of all degree requirements and satisfaction of minimum criteria, distinction may be conferred as indicated upon the individuals listed herein and upon such others as may meet the requirements. Distinction is conferred on graduates who have completed the required number of credits at the University and who are in the top 12 percent of their graduating class in their colleges. The 12 percent is divided into: 2 percent, Summa Cum Laude (minimum 3.98 GPA, Blue and White Honor Cord); 4 percent, Magna Cum Laude (minimum 3.90 GPA, Blue Honor Cord); 6 percent, Cum Laude (minimum 3.81 GPA, White Honor Cord). Distinction is based on cumulative GPA at the end of the fall 2023 semester and is noted with the following symbols: +++ = Summa Cum Laude, ++ = Magna Cum Laude, + = Cum Laude.

Schreyer Scholars: The Schreyer Honors College selects students who exhibit the promise of fulfilling academic excellence with integrity, building a global perspective, and pursuing civic engagement and leadership. To graduate with honors, Schreyer Scholars must maintain a record of good academic standing, complete 35 credits of honors courses, and submit a thesis. Students graduating with honors are noted with the following symbol: §.

EMSAGE Laureates: The Earth and Mineral Sciences Academy for Global Experience (EMSAGE) Laureates are graduates recognized for outstanding achievements through a well-rounded undergraduate experience including scholarship, experiential learning and global literacy, personal and professional integrity, service to the college and the community, and leadership. Students graduating as an EMSAGE Laureate are noted with the following symbol: ‡.

Military Commission: Students who have satisfactorily completed the advanced course in military, naval, or air science may be granted commissions upon graduation. Military and air science graduates are commissioned as second lieutenants; naval science graduates may be commissioned as ensigns in the Navy or second lieutenants in the Marine Corps. Students graduating with a military commission are noted with the following symbol: ◇.

Bachelor of Arts

Geography

Haleigh Faye Hainsey
Vivian Josephine Kase
James David Meehan
Jolisma Alexia Sandoval
Lindsay Elizabeth Wichern +

Geosciences

Valentina Marin Lopez ‡
Seanna Maria Pryor
Siyuan You

Energy and Sustainability Policy

Shaun Cerborino

Bachelor of Science

Earth Science and Policy

Ciaran Patrick Costello
Molly Ruthann Gulden
Erin Martin
Lindsey McMackin
Zane Saylor
Benjamin David Smith +
Xiyao Song
Octavia Anna Szkutnik ++ § ‡
Alysha Marie Ulrich + §

Earth Sciences

Olivia Branson Adams ‡
Kailee Blum
Alexander Filetti
Aubree High
Francis Reed Licopoli
Gemma Samson Morrison
Elizabeth Rose Tofte +
Allison Marie Welch

Energy and Sustainability Policy

Amit Bhayana
Katherine Buchanan Cloud
Jessica Fortino ++
Karrie Goudy
John Shannon ++
Carly Diane Sullivan

Energy Business and Finance

James Keough Allen
Michael Stephen Carpenter
William Gerard Clancy
Gwendolyn Ann Cullen ‡
Vincent Gigliotti
Mark Fletcher Goggin
Ryan John Jashinski
Alexa Liggieri
Cory Nolan Lindey
Austin Michael Lobaugh

Sotirios A. Maniatis
Madalyn Theresa Marcanio
Maren Eileen McGrath
Curtis William Mcgriskin
Michael Alexander Milianta
Shane Prucnal
Benjamin Redler
Brooke Ryley Rockovits
Chetan Saha
Pravin Sivaji
Nicholas Zanas

Energy Engineering

Elizabeth Karynn Baierlein †
William James Burke III
Aramus Kincaed Cross
Vedanthi Santrupth Gowdgere
Ramakrishna
Ryan Thomas Manning
Ugochukwu Tevin Mbakwe
John A. Mylant
William George Newcomb
Callaway Ty Pate
Simon Anthony Pezalla
Gabriel Karl Renninger
Evelyn Siler +
Kole Austin Smith
Ethan Edward Sobota
Patrick Tunkel
Caden Paul Vitti ++ § †

Environmental Systems Engineering

Catherine M. Coyle
Christian Tecumseh DeSimone
Zachary Louis Dieck
Celia Ghilani
Clarye Olivia Guyer
Khaleah Simone Jackson
Sarah Mackenzie LaSalle
Maryn Ruth McConkey §
Tori Renee Miller †
Kyra Marie Rodgers
Melanie Santaella-Gelvez
Robert James White
Benjamin Wilson
Garrett Zeigler

Geobiology

Gavin De Mars
Riley Foster
Katrina Mackenzie Taylor +
Hollin Renee Williams

Geography

Jamison Burke
Nathan Andrew Cherok +++ § †
Maxfield Aubrey Evans
Cole Russell Fiore
Brenden Franks +++
Alexandra Christieva Lister ++ § †
Christopher Daniel Manukas
Emily Catherine Shiels ++ § †
Clarissa Janice Styer + §
Finan Ivey Turnage-Barney +

Geosciences

Sabrina Rose Blacklock
Grace B. Boyle
Alexander Paul Cerminaro †
Zili Huang
Gabriel Jauregui
Maximiliano Leon
Arnav Inesh Lund
Joshua Nicholas Rechenberg
Noah Brian Sheldon
Cole Everett Temple
Zachary Terefenko
Amanda Urist †
Alexander Waldman
Zoe Elizabeth Zenker

Materials Science and Engineering

Mohamed Ali Ali
Essa Omar Khalifa Essa Althani
Ayu Adika Binti Anas
Andrew Thomas Arbanas
Ian Wayne Bruce
Julia Elizabeth Callis
Erin Chacos
Zai Chen
Marcus Choates
Sophia M Craparo

Samuel DeMarchis
Casey John Diehl
Jonpatrick Murphy Downes
Alex James Fordham
Matthew Gilliatt
Jacob Matthew Hannon
Blake W. Hellman
Muhammad Khairul Ikhwan Bin Ishak ++
Nasif Munjeem Islam
Kevalin Kalra
Jongkyeong Kim + †
Lukas Aaron Kissell
Lynn Charlotte Laping
Raymond Cole Lassinger
Derrick Le
Joseph Christian Mee
Michael William Mervosh +++ †
Siti Khairunnisa Binti Mohd Amran
Alisha P. Naik
Jordan O'Donnell
Nathaniel R. Pajak
Nicholas Dean Redwing
Christopher Russell Romanek
Ryan M. Sims +
Adam Edward Sipe § †
Chrislynn Gono Suah
Alejandro Toro †
Wan Nur Syazwina Binti Wan Razali ++
James Richard Wert
Tyler Joseph Woolsey ++
Jae Wan You
Harsh Zaver
Dengzhe Zhang
Gaspar Zimbrek-Turkovic

Meteorology and Atmospheric Science

Ethan Robert Balderrama +++
Christian Bryce Bohon +
Scott Marshall Everson ++
Elliott Richard Fosler-Lussier
Clare M. Gibson †
Katherine Michelle Gordon ◇
Erik Handel
Benjamin Iaia
Aran Robert Jacobs
Nicole Jeanne Joniak
Christian Joel Lasher

Sonya Celeste Lewis †
Evan Patrick Long ++ §
Patrick George Minda
Chase Nicolette
Kaitlyn Anne Potucek
Elizabeth Angela Price
Andrew Saldana
Jacob Seidner
Christian Alexander Spallone +++ §
Alekyia Srinivasan †
Dandre Jarobi Tillman +
Nicholas Trombetta
Joseph Vincent Walker
Jason Davis Wolf
Lea Grace Zmurko

Mining Engineering

Zachary Stephen Brown
Xutian Cao

Petroleum and Natural Gas Engineering

Mohamed Abdelkader Mohamed
Abdelkader
Abdulilah Mazen Al Dahlawi
Jehad Mohammad H Al Khamees
Mohammed Abduljalil A Al Sultan
Sarah Hussain J Alabbad ++
Nouf Abdulrahim Alabdulwahed
Rakan Abdulaziz A Alamer
Thanaa Abdullah M Alamri ++
Waleed Meshal A Alanazi +
Faisal Ibrahim H Alarnaout
Najla Mohammed A Alatiya
Ameen Mohammed I Aldahabi +
Abdullah Abdulrahman A Aldahoos
Yaser Yousef S Aldakheel
Halah Abdulaziz A Aldejain +++
Abdullah Ali A Aldrebi +
Layan Abdulrazaq M Alfawaz +
Badr Mohammed M Alghamdi
Rayan Ali H Alghamdi
Ruba Saeed S Alghamdi +
Yazeed Saeed S Alghamdi
Khalid A Q A Th Alghanim
Deema Mohammed A Alghauainam
Sultan Abdulrahman S Algwezani +

Baraa Naif G Alharbi
Bassam Salman I Alhazzani
Nasser Yasir F Alharbi +
Sultan Abdulkareem M Alharbi
Reema Mohammed Almoabadi +
Mooath Khaled M Almousa
Nasser Awad M Almutairi
Lama Ibrahim A Alobaidi
Abdullah Ahmed M Alomair
Salman Mohammed A Alosaimi
Abdulelah Bandar S Alrashidi
Rahaf Riyadh R Alruqaiti +
Mohammed Abdullah M Alshammari +
Majid Hamoud A Alshammari
Gazl Mohammed J Altaifi
Raed Ahmed J Alzahrani
Ahmed Khalid M Alzunaydi ++
Rayan Waheed I Baghdadi
Wedad Hussain M Bin Dira +++
Matthew Joseph Brown
Douglas Richard Doll
Rawad Felfele
Erik Guerrero
Ahmed Tarek Abdelwahab Khalil
Hammad
Abdulrahman Waddah Z Kaki ++
Kory Matthew Kearns
William Barrett Kline III
Kevin William Mercurio
Matthew Munoz
Osamah Ahmed I Nafadi
Shando Naini
Paige Elizabeth Norella
Jowd Abdullah M Qattan +
Rayan Adnan A Salama
Mohammed Abdullah S Sanad
Samuel Joseph Sciabica
Taylor William Smith
Abdulelah Zaki Y Sodagar
Nathan Alexander Sutton
Yun Zhu

Additional Participants

Students who requested to be listed by April 12, 2024, and who have 8 or fewer credits to complete their degree programs, are listed below.

Bachelor of Science

Earth Science and Policy

Gabriel Thomas Clayton
Punn Khamkanist

Earth Sciences

Connor Stephen Sipe
Regan N. Smith
Nicolaas Max Hendrik Weggelaar

Energy Engineering

Hali Rose McField
Hector David Rivera

Materials Science and Engineering

Daniel Alejandro Flores Romero
Asma Diallo

Meteorology and Atmospheric Science

Andrew Pizzuto

Petroleum and Natural Gas Engineering

Maria Wajeel A. Alsudair
Mychal Patrick Kearns
Mariyah Ali Almutailiq
Yara Ahmed A. AlTurki

You're a Lion for life...



**PennState
Alumni Association**

...and you belong in the Alumni Association.

Congratulations on your graduation! You've earned your place in the largest and most powerful alumni network in the world.

The Penn State Alumni Association connects you to the global community of more than 775,000 Penn Staters and keeps your connection to Dear Old State strong. It also includes more than 30 benefits, including exclusive discounts, access to our local chapters, and members-only networking and career services.

Watch the mail for your welcome kit and make the most of your complimentary one-year membership.

Benefits of Belonging



**Local
Connections**



**LionPerks
Discounts**



**Career
Resources**



Networking



**Exclusive
Content**



**PennState
Alumni Association**

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PennState

College of Earth and Mineral Sciences

Note: The information in this document was produced April 12, 2024 as an unofficial list of students who indicated intent to graduate for the spring 2024 semester. Students who indicated their intent to graduate after that date are not listed. Subject to completion of all degree requirements, degrees will be conferred as indicated upon the individuals listed herein and upon such others as may meet the requirements.

If you have a question about your name, degree or distinction listed in this program, please reach out to Julianne Mortimore, jrm62@psu.edu.

This publication is available in alternative media on request.

The University is committed to equal access to programs, facilities, admission and employment for all persons. It is the policy of the University to maintain an environment free of harassment and free of discrimination against any person because of age, race, color, ancestry, national origin, religion, creed, service in the uniformed services (as defined in state and federal law), veteran status, sex, sexual orientation, marital or family status, pregnancy, pregnancy-related conditions, physical or mental disability, gender, perceived gender, gender identity, genetic information or political ideas. Discriminatory conduct and harassment, as well as sexual misconduct and relationship violence, violates the dignity of individuals, impedes the realization of the University's educational mission, and will not be tolerated. Direct all inquiries regarding the nondiscrimination policy to the Affirmative Action Office, The Pennsylvania State University, 328 Boucke Building, University Park, PA 16802-5901, Email: aao@psu.edu, Tel (814) 863-0471.

