

# Commencement

SPRING SEMESTER 2022



## EBERLY COLLEGE OF SCIENCE

Sunday, May 8, 2022  
The Bryce Jordan Center  
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!

# Commencement

SPRING SEMESTER 2022

Baccalaureate Degrees

May 6-8, 2022



**PennState**  
Eberly College  
of Science

## Message From the Dean

On behalf of the Penn State Eberly College of Science, I offer my fullest congratulations to the Class of 2022. You should be so proud of all that you have accomplished during your time at Penn State. This is an impressive accomplishment, and one made even greater given the conditions under which you have finished your degrees. You have brought a fresh perspective to our classrooms, our laboratories, and our research groups, and you have been part of our powerful mission to solve big problems. As you embark on this next exciting step in your journey, carry with you the training you have received. Apply your critical thinking, quantitative analysis, fact-based decision-making, and communication of science to meeting the world's challenges—big and small. You will follow in the rich tradition of Eberly College of Science graduates who have positively impacted humanity. We know that you will take many different paths after graduation, joining the ranks of our alumni in academia, industry, government, or following opportunities you may not yet have dreamed of. As you do so, I hope you carry the personal connections, treasured memories, and important values you have gained at Penn State with you. You have forever made your mark on Penn State, and we wish you all the success that you have rightly earned.

Tracy Langkilde, B.S., Ph.D.  
*Verne M. Willaman Dean, Eberly College of Science*

# Spring 2022 Commencement Program

## Academic Processional

Performed by Centre Brass

## National Anthem

Led by Megan Nardella

*The audience is asked to join in the singing.*

## Presiding

Eric J. Barron, B.S., M.S., Ph.D.

President of The Pennsylvania State University

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

*Verne M. Willaman Dean, Eberly College of Science*

## Commencement Address

Dani Smith Bassett, B.S., Ph.D.

J.Peter Skirkanich Professor, University of Pennsylvania

## Authorization to Confer Degrees

Ted Brown, B.S.

Member, Board of Trustees

## Recognition of Meritorious Achievement

Dean Langkilde

## Recognition of Student Marshals

Christopher Palma, B.S., Ph.D.

Associate Dean for Undergraduate Students

## Recognition of Military Commissions

Captain Jesse Witt, U.S. Army

Assistant Professor of Military Science

## Conferral of Degrees

President Barron

## Induction into Alumni Association

Andy Santacroce, B.S.

*President, Eberly College of Science Alumni Society Board*

## Alma Mater

Led by Megan Nardella

*The audience is asked to join in the singing.*

## Recessional

*The audience will please remain seated.*

## University Nomenclator

Ted Cristopher, B.M. M.M, D.MA

# Commencement Speaker

## Dani S. Bassett



Dani Bassett is the J. Peter Skirkanich Professor at the University of Pennsylvania, with appointments in the Departments of Bioengineering, Electrical and Systems Engineering, Physics and Astronomy, Neurology, and Psychiatry. They are also an external professor at the Santa Fe Institute. Bassett is most well-known for blending neural and systems engineering to identify fundamental mechanisms of cognition and disease in human brain networks. They received their bachelor's degree in physics from Penn State and a doctoral degree in physics from the University of Cambridge, United Kingdom, as a Churchill Scholar and as an NIH Health Sciences Scholar. Following a postdoctoral position at UC Santa Barbara, Bassett was a junior research fellow at the Sage Center for the Study of the Mind. They have received multiple prestigious awards and recognitions, including the 2021 American Psychological Association's Rising Star, the 2014 Alfred P. Sloan Research Fellow, the 2014 MacArthur Fellow Genius Grant, the 2015 Early Academic Achievement Award from the IEEE Engineering in Medicine and Biology Society, the 2015 Office of Naval Research Young Investigator, the 2016 National Science Foundation CAREER, the 2016 Popular Science Brilliant 10, the 2017 Lagrange Prize in Complex Systems Science, the 2018 Erdos-Renyi Prize in Network Science, the 2020 OHBM Young Investigator Award, the 2020 AIMBE College of Fellows, and the 2021 American

Physical Society Fellow, and have been named one of Web of Science's most Highly Cited Researchers for three years running. Bassett is the author of more than 300 peer-reviewed publications, which have garnered over 33,000 citations, as well as numerous book chapters and teaching materials. Bassett's work has been supported by the National Science Foundation, the National Institutes of Health, the Army Research Office, the Army Research Laboratory, the Office of Naval Research, the Department of Defense, the Alfred P. Sloan Foundation, the John D. and Catherine T. MacArthur Foundation, the Paul Allen Foundation, the ISI Foundation, and the Center for Curiosity. Bassett has an academic trade book coming out this year with MIT Press, coauthored with philosopher and twin Perry Zurn and titled *Curious Minds: The Power of Connection*.

Dani S. Bassett  
J. Peter Skirkanich Professor  
Department of Bioengineering  
Department of Physics and Astronomy  
Department of Electrical and Systems Engineering  
Department of Neurology  
Department of Psychiatry  
University of Pennsylvania  
and the Santa Fe Institute

Pronouns: they, them, theirs

# College Marshal and Faculty Escort

## Owen Chase



**Owen Chase** of Wexford, Pennsylvania, is the student marshal for the Eberly College of Science during Penn State's spring commencement ceremonies on Sunday, May 8, on the University Park campus. Chase's faculty escort for the commencement exercises is **Robin Ciardullo**, professor of astronomy and astrophysics.

Chase graduates summa cum laude with a 4.0 grade-point average and a bachelor's degrees in astronomy and astrophysics as well as statistics. He has received numerous awards including the 2021 Astronaut Scholarship, the Homer F. Braddock College of Science Memorial Scholarship from 2018 to 2022, the Academic Excellence Scholarship from 2018 to 2022, the 2021 Evan Pugh Scholar Award, and the 2020 President Sparks Award. Chase was also a Schreyer Scholar from 2018 to 2022 and was honored with the President's Freshman Award in 2019.

"There is no doubt hundreds of people within the Eberly College of Science would have been similarly excellent choices for this honor," Chase said. "I've seen firsthand over the past four years how intelligent, dedicated, and plain nice people are in Eberly, and I am beyond honored and humbled to get the chance to represent them."

While at Penn State, Chase conducted research with

both Ciardullo and **Fe McBride**, Eberly Postdoctoral Research Fellow in Astronomy and Astrophysics. Chase's research focuses on the distance to galaxies. He and his collaborators have worked on the use of modern instruments to improve the distances computed via the planetary nebula luminosity function (PNLF). Chase's honors thesis was on further improving the PNLF method by rebuilding it to correct for potential systematic effects. He hopes to eventually contribute to the resolution of the Hubble tension. Chase has also done some work in high-energy astrophysics.

In addition to his academic achievements, Chase is vice president of Second Floor Standup. He also participates in curling tournaments as part of the Penn State Curling Club, placing second in this semester's tournament.

"Do things that scare you," he said. "I happen to be a very anxious person, and I struggle a lot to push myself outside my comfort zone. But at a place like Penn State, where there are more opportunities than you can shake a stick at, it's so important and rewarding to challenge yourself, even if it's in small ways. One of the most influential decisions I've made in my life was to go try to do standup one time. I was terrified, but it has led me to friends, experiences, and confidence that I could have only dreamed about."

A graduate of North Allegheny High School in Wexford, Pennsylvania, Chase will be accompanied by his parents, Troy and Cherie Chase, his siblings, Seth and Corinne, and his grandparents Bev and Jim Chase, as well as Gerald and Shirley Hooker.

# Department Marshals and Faculty Escorts

## Fredric Hancock—Astronomy and Astrophysics

Representing the major of Astronomy and Astrophysics is student marshal **Fredric Hancock**. Hancock is from State College, Pennsylvania, and celebrates this honor with parents William Hancock and Kimberly Mitchell, his sister Eliza, and his grandparents, who are in attendance today. Hancock is escorted by **Abraham Falcone**, research professor of astronomy and astrophysics.

Hancock graduates with bachelor's degrees in astronomy and astrophysics and physics and a minor in Mathematics. Hancock conducted research in the Falcone group lab and Bojowald group lab during his undergraduate career. He was a member of the Schreyer Honors College, Phi Beta Kappa Honor Society, and Sigma Pi Sigma Honor Society, and was build master from 2019 to 2020 for the Society of Physics Students. Hancock was the recipient of the 2019 President's Freshman Award, 2020 Evan Pugh Scholar Junior Award, 2021 Evan Pugh Scholar Senior Award, and 2021 John and Elizabeth Holmes Teas Scholarships Fund, and he was on the Dean's List each semester.

After graduation, Hancock plans to pursue a Ph.D. and work in academia as a professor.

## Kaylee Hoke—Planetary Science and Astronomy

Representing the major of Planetary Science and Astronomy is student marshal **Kaylee Hoke**. Hoke is from Quakertown, Pennsylvania, and celebrates this honor with parents Barry and Donna Hoke, who are in attendance today. Hoke is escorted by **Jason Wright**, professor of astronomy and astrophysics.

Hoke graduates with a bachelor's degree in planetary science and astronomy. Hoke was a member of the Astronomy Club, a volunteer tutor, and a volunteer cat foster with Centre County PAWS. She was the recipient of the Moyer Trustee Scholarship from 2018 to 2022 and the Penn State Academic Grant from 2018 to 2022, and she was on the Dean's List all semesters.

After graduation, Kaylee plans to work in informal education at a science center or museum and become a teacher or science tutor.

## Eilene Deng—Biochemistry and Molecular Biology

Representing the major of Biochemistry and Molecular Biology is student marshal **Eilene Deng**. Deng is from State College, Pennsylvania, and celebrates this honor with parents Aijun Deng and Bing Zhu and brother Jay Deng, who are in attendance today. Deng is escorted by **David Gilmour**, professor of molecular and cell biology.

Deng graduates with a bachelor's degree in biochemistry and molecular biology and a minor in Music Performance. Deng conducted research in the Gilmour lab during her entire undergraduate career. She was a member of Centre Safe (counselor/advocate) and the Music Service Club (copresident), participated in campus music ensembles, and was a learning assistant in chemistry courses. Deng was the recipient of the 2019 President's Freshman Award and the 2020 President Sparks Award. She was named a 2021 Goldwater Scholar, a 2021 Evan Pugh Scholar, and a recipient of the 2021 Erickson Discovery Grant, and she was on the Dean's List during her undergraduate career.

After graduation, Deng plans to work at the National Institutes of Health for two years as a postbaccalaureate fellow and pursue an M.D./Ph.D., and she hopes to conduct immunology research as a physician-scientist.

## Bryce Katch—Biochemistry and Molecular Biology

Representing the major of Biochemistry and Molecular Biology is student marshal **Bryce Katch**. Katch is from Lititz, Pennsylvania, and celebrates this honor with parents Eric and Cindy Katch and twin sister Lauren Katch, who are in attendance today. Katch is escorted by **Amie Boal**, associate professor of chemistry and of biochemistry and molecular biology.

Katch graduates with a bachelor's degree in biochemistry and molecular biology. Katch performed research in Boal's lab during his time at Penn State. Katch was a member of the Penn State Marching Blue Band and the Saxophone Studio and was an Engineering Ambassador. He was a recipient of the 2021 Barry M. Goldwater Scholarship, 2021 and 2022 Evan Pugh Scholar Award, 2020 President Sparks Award, and 2019 President's Freshman Award, and he was on the Dean's List all semesters.

After graduation, Katch plans to take a gap year doing research at Memorial Sloan Kettering Cancer Center while applying for M.D./Ph.D. programs.



## Victoria Tachinski—Biotechnology

Representing the major of Biotechnology is student marshal **Victoria Tachinski**. Tachinski is from Winnipeg, Manitoba, Canada, and celebrates this honor with parents Glen Tachinski and Christine Kuluk and sister Kennedy Tachinski, who are in attendance today. Tachinski is escorted by **Beatrice Sirakaya**, assistant teaching professor of biochemistry and molecular biology and director of the Entrepreneurship and Innovation minor's Bio-Tech cluster.

Tachinski graduates with a bachelor's degree in biotechnology and minors in Microbiology and Entrepreneurship and Innovation. She was a member of the Golden Key International Honor Society and a teaching assistant in several courses. Tachinski was on the varsity track and field team from 2019 to 2022 and was team captain from 2021 to 2022. She holds the school record for the 600-meter race and placed 11th in the Division I indoor track championships in the 800-meter race. She was also on the Dean's List during her academic career.

After graduation, Tachinski plans to continue running track and field and pursue a career in the biotechnology workforce.

## Claire Schweitzer—Forensic Science

Representing the major of Forensic Science is student marshal **Claire Schweitzer**. Schweitzer is from Broad Run, Virginia, and celebrates this honor with parents Patrick Schweitzer and Mary Koralewski, who are in attendance today. Schweitzer is escorted by **Reena Roy**, teaching professor of biochemistry and molecular biology.

Schweitzer graduates with a bachelor's degree in forensic science and a minor in Biochemistry and Molecular Biology. Schweitzer was secretary of the Orchesis Dance Company from 2020 to 2021 and vice president from 2021 to 2022, treasurer of the Forensic Science Club from 2019 to 2020 and president from 2020 to 2021, and she was on the Dean's List all semesters.

After graduation, Schweitzer plans to work at the Office of the Chief Medical Examiner in the forensic DNA section and pursue a master's degree in forensic science.

## Shay Toner—Microbiology

Representing the major of Microbiology is student marshal **Shay Toner**. Toner is from Troy, Pennsylvania, and celebrates this honor with grandmother Kathy Toner, who is in attendance today. Toner is escorted by **Joyce Jose**, assistant professor of biochemistry and molecular biology, and **Anoop Narayanan**, associate research professor of biochemistry and molecular biology.

Toner graduates with a bachelor's degree in microbiology. Toner performed research in the Jose lab during his studies. He was a member of the Society of Toxicology and enjoyed fencing in his free time. Toner was the recipient of the 2019 President's Freshman Award, 2020 Presidents Spark Award, and 2021 SURF Award, and he was on the Dean's List each semester, as well

After graduation, Toner will be pursuing a Ph.D. at MIT.

## Nabila Aman—Biology

Representing the major of Biology is student marshal **Nabila Aman**. Aman is from Dhaka, Bangladesh, and celebrates this honor with parents Amanullah and Sabera Aman and other family members in attendance today. Aman is escorted by **Glenna Malcolm**, associate teaching professor of biology.

Aman graduates with a bachelor's degree in biology. Aman was a research assistant in the Bilingualism and Language Development Lab and worked with Janet van Hell on research. Aman served as a learning assistant in many science classes and volunteered for groups such as the Crisis Text Line, Mid-State Literacy Council, American Red Cross, and COVID-19 Surveillance Testing site. He was a member of Penn State UNICEF and Alpha Epsilon Delta National Health Preprofessional Honor Society. Aman was the recipient of the 2019 President's Freshman Award, the Huck Trustee Scholarship since 2019, the 2020 President Sparks Award, 2020 Evan Pugh Scholar Junior Award, and 2021 Evan Pugh Scholar Senior Award. He was also on the Dean's List all semesters.

After graduation, Aman will be taking a gap year to work as a medical assistant at Pennsylvania Retina Specialists and then plans to attend medical school and become a physician.

## Carolyn Telfer—Chemistry

Representing the major of Chemistry is student marshal **Carolyn Telfer**. Telfer is from Murrysville, Pennsylvania, and celebrates this honor with parents Christopher Telfer and Kristin Abderhalden-Telfer and other family members in attendance today. Telfer is escorted by **Dan Sykes**, associate department head for undergraduate education and teaching professor of chemistry.

Telfer graduates with a bachelor's degree in chemistry and a minor in Communications. Telfer performed research with many faculty members in their labs, including Corien Bakermans, **Joseph "Marty" Bollinger Jr.**, **Amie Boal**, Andrew Wang and Jennifer Al-Rashid at Evonik, Dan Sykes, **Harry R. Allcock**, and **Bratoljub Milosavljevic**. She was a member of the Pep Band in 2020, Concert Band from 2019 to 2022, and Teaching Award Committee. She also served as a learning assistant, course grader, and exam proctor. Telfer was the recipient of the 2020 Penn State Erickson Discovery Grant, 2021 L. Peter Gold Memorial Scholarship, and 2021 George E. Jr and Elizabeth S. Sperling Tutorial Endowment Scholarship, and she was on the Dean's List all semesters.

After graduation, Telfer plans to obtain a Ph.D. from either the University of Massachusetts Amherst or Purdue University. She hopes to either work in industry or academia after that.

## Victor Ginsburg—Mathematics

Representing the major of Mathematics is student marshal **Victor Ginsburg**. Ginsburg is from Philadelphia, Pennsylvania, and celebrates this honor with parents David and Christine Ginsburg. Ginsburg is escorted by **Sergei Tabachnikov**, professor of mathematics.

Ginsburg graduates with a bachelor's degree in mathematics. Ginsburg performed research in mathematics at Kent State University, at Polymath REU online, and with the Summer@ICERM program, and he worked on his honors thesis with Tabachnikov. He participated in the Weekly Dynamics Student Seminar offered by the math department. Ginsburg was the recipient of the 2019 President's Freshman Award, 2020 President Sparks Award, and 2021 Steven and Sherry McCrystal Mathematics Award, and he was on the Dean's List each semester.

After graduation, Ginsburg will be attending UC Berkeley to pursue a Ph.D. in mathematics, partially supported by a National Science Foundation Graduate Research Fellowship.

## Victoria Boehm—Physics

Representing the major of Physics is student marshal **Victoria Boehm**. Boehm is from Leechburg, Pennsylvania, and celebrates this honor with parents Lawrence and Jennifer Boehm, sister Emilie Boehm, and aunt Michelle Boehm, who are in attendance today. Boehm is escorted by **Eric Hudson**, associate professor of physics and the department's associate head for diversity and equity.

Boehm graduates with bachelor's degrees in physics and astronomy and astrophysics and a minor in Mathematics. Boehm performed research in the Hudson lab. She was a member of Sigma Pi Sigma Honor Society from 2021 to 2022 and the Millennium Society from 2019 to 2020. Boehm was a tutor for the Millennium Scholars Program, a learning assistant for astronomy, and was on the Dean's List during her undergraduate career.

After graduation, Boehm will pursue a Ph.D. in astronomy and space sciences at Cornell University.

## Blake Greenspan—Premedicine

Representing the major of Premedicine is student marshal **Blake Greenspan**. Greenspan is from Chadds Ford, Pennsylvania, and celebrates this honor with parents Todd and Donna Greenspan and other family members in attendance today. Greenspan is escorted by **Leanna Topper**, associate teaching professor of biology.

Greenspan graduates with a bachelor's degree in premedicine. Greenspan completed his undergraduate honors thesis with Michele Mekel in the Department of Bioethics and Medical Humanities. Greenspan was a member of the Scholar Ambassadors and Remote Area Medicine, a resident assistant, and studied abroad in Kenya and Tanzania. He was the recipient of the 2019 President's Freshman Award, 2020 President Sparks Award, and 2021 C.I. Noll Award, and he was on the Dean's List all semesters.

After graduation, Greenspan plans to attend medical school and go into surgery.

## Christian Benedict—Science

Representing the major of Science is student marshal **Christian Benedict**. Benedict is from Landisville, Pennsylvania, and celebrates this honor with parents Todd and Cathy Benedict, who are both Penn State graduates and in attendance today. Benedict is escorted by **Beth Johnson**, chair of the Science program and an academic adviser.

Benedict graduates with a bachelor's degree in science. Benedict was a research assistant in the Karuza lab, working on a variety of neuroimaging studies. He was president of the Network for Excellence in Undergraduate Science from 2019 to 2021, a volunteer for LifeLink since 2019, treasurer of the National Society of Leadership and Success from 2019 to 2021, and served as a learning assistant in physics from 2019 to 2021. Benedict was the recipient of the 2019 President's Freshman Award, 2020 President's Spark Award 2020, 2021 Evan Pugh Scholar Senior Award, and 2021 Undergraduate Learning Assistant Award for Teaching Excellence in Physics, as well as a 2021 Learning Assistant Excellence Scholarship, and he was on the Dean's List all semesters.

After graduation, Benedict will be attending the Penn State College of Medicine in pursuit of his M.D

## Grant Hopkins—Statistics

Representing the major of Statistics is student marshal **Grant Hopkins**. Hopkins is from Blue Bell, Pennsylvania, and celebrates this honor with parents Thomas and Patricia Hopkins, who are in attendance today. Hopkins is escorted by **Matthew Beckman**, chair of undergraduate curricula and assistant research professor of statistics.

Hopkins graduates with bachelor's degrees in statistics, mathematics, and finance, as well as a master's degree in applied statistics. Since 2021, Hopkins worked as a research assistant in Le Bao's statistical research lab. He was a member and chair of the Sapphire Leadership Academic Program from 2018 to 2022, and he was in the Presidential Leadership Academy from 2019 to 2022, Alpha Kappa Psi Professional Co-Ed Business Fraternity from 2018 to 2022, and Phi Beta Kappa and Mu Sigma Rho fraternities. Hopkins was the recipient of the 2019 President's Freshman Award, 2019 Robert W. Koehler Award, 2018–2022 Schreyer Scholarship, 2020 President Spark Award, and 2021 Evan Pugh Scholar Senior Award. Hopkins was selected as the 2022 Finance Department Student Marshal and was on the Dean's List all semesters.

After graduation, Grant will pursue a Ph.D. in biostatistics and a research career in academia to

advance human health and wellness.

## Anna Leon—Data Science

Representing the major of Data Science is student marshal **Anna Leon**. Leon is from Chalfont, Pennsylvania, and celebrates this honor with Jorge and Maria Leon, who are in attendance today. Leon is escorted by **Mosuk Chow**, research professor of statistics and director of the Master of Applied Statistics program.

Leon graduates with a bachelor's degree in data science. Leon worked in the Mahony lab alongside Professor Shaun Mahony on a grant that was awarded by the NASA/Pennsylvania Space Grant Consortium. Leon was a member of the Mu Sigma Rho and Phi Beta Kappa Honor Societies. She served as the director of communications and capstone project lead for Nittany Data Labs. Leon was a Bunton-Waller Scholar, Schreyer Honors Scholar, and she was on the Dean's List during her undergraduate career.

After graduation, Leon will be continuing her studies, pursuing a master's degree in applied statistics at Penn State. She hopes to become a data scientist in the health care industry in the future.

## Case Tretter—Army Reserve Officers' Training Corps (Army ROTC)

Representing the Army Reserve Officers' Training Corps is student marshal **Case Tretter**. Tretter is from Boswell, Pennsylvania, and celebrates this honor with parents James and Colleen Stewart Tretter, who are in attendance today. Tretter is escorted today by U.S. Army Captain **Jesse Witt**, assistant professor of military science.

Tretter graduates with a bachelor's degree in biology. Tretter was a member of the Army ROTC during his academic career and served as battalion commander during the spring of 2022. He was a member of Alpha Epsilon Delta Honor Society and the Kaizen THON fundraising organization. Tretter was a learning assistant for classes in biochemistry and molecular biology, chemistry, and biological systems, as well as physiology. Tretter was the recipient of the Army ROTC 2018 High School National Scholarship, the 2019–2022 Open Doors Scholar Award, and the 2018–2020 Platinum Army Physical Fitness Award, and he was on the Dean's List each semester.

After graduation, Tretter will attend Lake Erie College of Osteopathic Medicine and serve as a medical service officer in the Pennsylvania Army National Guard. Thank you for your service, Case!

# Department and Program Representatives

**Philip Bevilacqua**, *Head, Department of Chemistry; Distinguished Professor of Chemistry and of Biochemistry and Molecular Biology*

**Wendy Hanna-Rose**, *Associate Professor and Head, Department of Biochemistry and Molecular Biology*

**Murali Haran**, *Professor and Head, Department of Statistics*

**Beth Johnson**, *Academic Adviser and Chair, Science program*

**Mark Levi**, *Professor and Head, Department of Mathematics*

**Ronald Markle**, *Professor and Head, Premedicine program*

**Randall McEntaffer**, *Professor and Head, Department of Astronomy and Astrophysics*

**Elizabeth McGraw**, *Professor and Head, Department of Biology*

**Nitin Samarth**, *Professor of Physics and George A. and Margaret M. Downsborough Department Head, Physics*

## Faculty Marshals

**John Waters**, *B.S., M.S., Ph.D.*  
*Teaching Professor of Biology and Anthropology,*  
*Associate Head of Undergraduate Education, Biology*

**Carla Hass**, *B.S., M.S., Ph.D.*  
*Teaching Professor of Biology,*  
*Associate Head for Curricular Coordination, Biology*

**Carolyn Jensen**, *B.S., M.S., Ph.D.*  
*Director of Academic Advising Center, Eberly College of Science*

**Barbara DeHart**, *M.S.*  
*Director of Undergraduate Advising, Biology*  
*Assistant Teaching Professor of Biology*

**Janelle Malcos**, *Ph.D.*  
*Teaching Professor of Biology*  
*Associate Director, Center for Excellence in Science Education*

**John Neisser**, *B.A., M.D.*  
*Assistant Teaching Professor of Biology*

**Jennifer Stingelin Keefer**, *B.S., M.S.*  
*Academic Adviser, Biochemistry and Molecular Biology*

# History of the Eberly College of Science



On March 17, 1990, Penn State's Board of Trustees renamed the College of Science to honor one of its most generous benefactors—the Eberly Family Charitable Trust of Uniontown—and at the spring commencement of the Class of 1990, the formal naming of the Eberly College of Science occurred, inaugurating a new chapter in the long and distinguished history of science education and research at the University. The occasion also marked the first time that a public research university named its basic science college for a benefactor.

The Eberly College of Science began as a department of chemistry, becoming the School of Natural Science in 1896, the School of Chemistry and Physics in 1926, the College of Chemistry and Physics in 1953, and the College of Science in 1963. It has always had as its central goals the education of first-rate scientists and generation of high-quality research. Today, with more than 46,000 alumni and more than \$95 million spent annually on research (provided mostly by grants and contracts from government and industry), the college demonstrates real success.

In 1986, the Eberly Family Trust gave \$10 million to establish a chair in each of the college's departments, to create endowments for biotechnology, and to provide funding for the Hobby-Eberly Telescope. The gift was among the largest donations made to the campaign for Penn State, the University's successful six-year

effort to raise \$300 million in private support. Trustee Manager Robert Eberly, who graduated from Penn State in 1939 with a bachelor's degree in chemistry, served as campaign treasurer. It was the first time in all of higher education philanthropy that an academic college received, in a single gift, endowed chairs for every one of its departments.

The support of the Eberly family and other generous benefactors has allowed the college to attract and retain faculty members of worldwide renown, to provide access for able students from a wide range of backgrounds, and to enhance academic programs.

This margin of excellence is readily evident within the college and in the enhanced national and international prestige of Penn State and its science programs. Current and prospective students and faculty members are excited about the vitality of these programs and the energy with which they are being pursued.

The Eberly College of Science stands as a legacy to the vision and commitment of the Eberly family and other benefactors whose philanthropy will be felt for generations to come.

# To Our Guests

We welcome you to the commencement exercises for baccalaureate degree candidates.

Commencement, the solemn but joyful climax and recognition of the graduates' years of study, is an important occasion to the University, its faculty, staff, and students. All guests and participants are requested to avoid unnecessary conversation or moving about during the exercises.

Only authorized press and University photographers are permitted on the floor to take pictures once the exercises are in progress.

When the processional party enters at the beginning of the ceremony, the audience rises. They remain standing until all members of the platform party have taken their places on the platform and during the singing of the national anthem.

Applause should be withheld during the presentation of the individual candidates; however, they may be applauded after all candidates have been recognized.

Following the singing of the alma mater, there is a recessional. The audience is requested to remain seated during this period

## Bryce Jordan Center Information

A **first aid station** is located on the concourse level (south side) between Gates C and D.

**Restrooms** are located throughout the concourse area.

**Lost and found** articles will be taken to the administrative offices located on the second level of the facility (Room 127).

**To order official transcripts:** call 814-865-6357 for instructions, or visit the University Registrar website at [registrar.psu.edu](http://registrar.psu.edu).

Penn State encourages persons with disabilities to participate in its programs and activities. If you anticipate needing any type of accommodation or have questions about the physical access provided, please contact the Office of Strategic Communications at 814-865-2501.

**Notice:** the possession or consumption of alcoholic beverages in any indoor commencement facility is prohibited. Your admission to any of these facilities is conditional upon compliance with the above. The University reserves the right to refuse admission to or remove, any person who violates this prohibition.

We also ask that cell phones be turned off.

## Commencement Ceremony Reception

We invite all graduates and their guests to an informal outdoor reception beginning at 3:00 p.m. The reception will be held in the courtyard between Huck Life Sciences Building and Thomas Building. Please visit anytime between 3:00 p.m. and 4:30 p.m. to enjoy light appetizers and mingle with faculty and other graduates.

Parking may be available at the Eisenhower Deck or the HUB Deck at no cost on graduation day. Please note that parking spaces may be at a premium because of the many events taking place on campus for graduation.

# Graduates

**Please note:** the information in this document was produced March 22, 2022, as an unofficial list of students who indicated intent to graduate spring semester 2022. Students who indicated their intent to graduate after that production 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.

\*\*\* Summa Cum Laude (3.98)

\*\* Magna Cum Laude (3.94)

\* Cum Laude (3.86)

+ Schreyers Honors College

◆ Millennium Scholar

† Science Dean's Scholar

## Astronomy and Astrophysics

### *Bachelor of Science*

Ahmed Ali Ahmed Mohamed Al Ali  
Jeanpun Antarasen  
Cole R. Armstrong  
Victoria Boehm\*\*\*◆  
Owen Chase\*\*\*\*  
Seth Kohl Culbertson  
Fredric Hancock\*\*\*\*  
Angus Hendrick  
Daniel Kearney  
Gooderham McCormick  
Thomas Nguyen†  
Angus Hendrick  
Daniel Pyda  
Tyler Richard Quinn  
Matthew Toshiro Schaefer  
Lauren H. Willett\*\*  
Michael Andres Zaidels◆  
LinZi Zheng

## Biochemistry and Molecular Biology

### *Bachelor of Science*

Ofure Ihinosen Akhigbe†  
Abdulla M A J Alghawas  
Jacob Ryan Antosh  
Jasmine Claire Arunachalam  
Emily Rose Baker

Zachary Bell†  
Pranoy S. Bharadwaj  
Brandon Michael Brozena  
Rachel Elizabeth Bruning†  
Jason J. Caesar  
Gina Capece◆  
Alyssa Emily Carlier  
Minwhan Cho  
Marlee Marie Coon†  
Rory C. Coughlin\*\*  
Benjamin Gardner Crane  
Eilene B. Deng\*\*\*\*◆  
Kady A. Dennis\*\*\*\*  
Robert Vincent DiLaura  
Khushi Vikas Doshi†  
Kathleen Jean Doyle†  
Nina Christine Falcone  
Julia Colette Fiorillo  
Peter Forstmeier\*\*\*  
Karlee A. Goldman  
Maanasi Gothoskar†  
Samantha M. Grecco\*\*  
Alexis Gumble  
Sarah Heller†  
Judy Jan\*\*  
Nathan Hagop Jibilian  
Jenna Johnson\*\*  
Bryce Katch\*\*\*\*  
Khushi Kiran  
Kevin Richard Klusewitz  
Kunal A. Koka\*\*  
Victoria LaRow  
Phuong Thi Thanh Le  
Hannah Leight  
Amber M. Martin  
Abigail Sunshine Mauer\*\*\*  
Max Geiger McGrath  
Ryan P. McIntyre†  
Eli Mertick Sykes\*\*  
Devin F. Morrisson  
Jacob Brody Moyer  
Benjamin Lucas Nasal\*\*\*  
S Sifa Ndonga†  
Olivia Nearhoof  
Zoey M. Nichols  
Shiv Pankaj Patel  
Britney A. Peachey\*\*\*  
Joao G. Ramos Ferreira◆  
Allison Francis Rawson\*\*  
Maya Linnea Reed  
Stuart Rinehart†  
Isabella A. Ruud\*\*\*\*  
Su A Ryu  
Jessica Lynn Santucci\*\*\*\*  
Boya Shi

Danielle Veronica Skrocki  
Xi Su  
Benjamin Randal Van Hulsten  
Dewanshu Verma  
Avery Wang\*\*\*  
Harrison James Weidner\*\*\*  
Tejas Manubhai Wein\*\*  
Julie Anne Weir  
Savannah Woodrow  
Riley Young

## Biology

### *Bachelor of Science*

Mary Ajibolade  
Mohammad Ghazi M Alnakhli  
Nabila Aman\*\*\*  
Stephen G. Andrews  
Zoey Logan Antantis  
Victoria Ashley Armstrong  
Shravan Asthana\*\*\*  
Alyssa Mary Azzinaro  
Grace Kathryn Baker†  
Luke Henry Baughman  
Trevor Robert Bean\*\*  
Jennifer Bekker\*\*\*\*  
Ojuoluwatowo Q. Bello  
Andrea Benavides Castano  
Gelila Berhanu  
Ritesh Bhardwaj  
Emaan Gulzar Bhutta  
Sarah Elizabeth Blair\*\*\*  
Lyndsay Anne Bolger  
William Charles Boylan IV  
Marley Bradner  
Lauren Taylor Brooks  
Lauren E. Brown  
Dillan R. Brown  
Nolan Maxwell Buchanan  
Evan Buck  
Antonia Marie Calamia  
Angelo Salvatore Cammilleri  
Jacquiline J. Cana  
Tanner James Cavalero  
Misty Chaddha  
Christina Eftihia Cologer  
Matthew Nicholas Como  
Alexa Nicole Conner  
Alexandra Lise Coppola  
Jeni Costa  
Ross Edward Cottrill\*\*\*  
Abigail Paige Coupe  
Anna Marie Crow  
Logan Hunter Cywinski†

Lindsay Jane Czekaj<sup>†</sup>  
Kaitlin Alena Deal  
Dayana Valeria Delgado<sup>+</sup>  
Siddhi Deshpande<sup>†</sup>  
Miosotis Diaz-Santiago  
Asia Maria Dibari<sup>†</sup>  
Elizabeth Francis Dietrich  
Janel S. Dobbs  
Joshua Saul Dolphin  
Kyle Johnathon Dunn-Herbert  
Jasmin Duran  
Nicole Li Dutzman<sup>\*\*\*\*</sup>  
Kelsey Marie Eckerd  
Molly Ehrig<sup>\*\*\*\*</sup>  
Amira Ellisons<sup>♦</sup>  
Morgan Ely  
Carl Engstrom  
Andrea Esposito  
Emily Morgan Falkowski<sup>†</sup>  
Maya Fanus  
Gia Maria Fevrier  
Markis Anthony Fisher  
Julianna Kathleen Formola  
Gillian Marie Frances Gademan<sup>+</sup>  
Jenna Leigh Gee  
Mary Cathe Gerchman  
Gisele Ghiassy  
Madison Gianvito  
Trinity L. Gill  
Abigail C. Glynn<sup>\*\*</sup>  
Aniyah Godwin  
Emma Clare Gordon<sup>\*\*\*</sup>  
Madison Naya Greene  
Richard William Griffin  
Kasey Rain Griffiths<sup>+</sup>  
Joseph Paul Guidotto  
Kunal Gupta  
Hashim Malik Habibullah  
Timothy A. Hamilton<sup>†</sup>  
Atika Haque  
Caitlin Haren<sup>\*\*\*</sup>  
Malak Ahmed Ibrahim Zaki Hassib  
Abigail Angell Heinlein  
Emily Henry<sup>\*\*\*\*</sup>  
Rin Her  
Daniel Hester  
Makenna Karli Hill  
Brittany Nicole Hornberger  
William Oliver Huss  
Shivram Iyer  
Andrew Jacunski  
Elizabeth Jasilionis  
Eugenie Jean Philippe<sup>+</sup>  
Emily Johnson  
Kaseem Joyner  
Josh Kalna  
Justin Stanley Karpinski  
Ritul Katoch

Rachael June Kern  
Gyubin Kim  
Aejin Kim  
Junghun Kim  
Matthew Joseph Koskinen  
Brian Crosby Krall II  
Xinhui Lan  
Jina Lee  
Grace Lemke<sup>\*\*\*</sup>  
Cameron Davis Leonard<sup>+</sup>  
Juntong Li  
Dennis Lifyandchick  
Gia Marie Lisco  
Chenyu Lo<sup>\*\*</sup>  
Daniela Lopez Meleans  
Ricardo Lewis Loudermilk  
Nathan Macleary  
Angello Madison Jr.  
Tyler Christopher Man<sup>†</sup>  
Hannah Martin  
Lindsay N. Matasich<sup>†</sup>  
Sienna A. McCoy  
Emma J. McGuire  
Mackenzie Lyn McMahon  
Haylie May McSwaney  
Emily Christine Mellinger  
Abdullah A. Memon  
Lucia Daniela Mitnik  
Ashley C. Moak<sup>†</sup>  
Kaylee Montanari<sup>†</sup>  
Xiao Moore  
Ashley Morales<sup>†</sup>  
Christina Marie Murphy  
Ian Christopher Myers  
Kelly Nguyen  
Madison Elizabeth Palmer  
Brian Paspuel  
Sarin Sanjay Patel  
Ryan Vinay Patel  
Kyle Lynn Peachey<sup>\*\*\*</sup>  
Hannah Peterson  
Natalie Peterson  
Neesha A. Pierre  
Blake Pierson  
Elizabeth May Powderly<sup>\*\*</sup>  
Aditi M. Prabhu  
Connor Prindiville  
Elizabeth Amber Purcell  
Nicholas J. Pyzowski  
Angelo Leonardo Quarture  
William Robert Joseph Quigley<sup>†</sup>  
Varun Thomas Rajan<sup>†</sup>  
Shahir Rayes  
Kirthan Reddy  
Aidan James Reed  
Stephen Anthony Reif  
Shannon R. Reinhard<sup>\*\*\*\*</sup>  
Maria Renzi<sup>†</sup>

Joshua Reyer  
Jane Allison Riley  
Matthew Ross  
Kathryn Lynne Rymdeika  
Priscila Salinas  
Jalyn McKenzie Sandiford<sup>♦</sup>  
Alexandra Santos Monserrate  
Alyssa Blair Schriver<sup>♦</sup>  
Zeta Seidel  
Rudolph Joseph Shiller VII  
Christina Gabrielle Shragher  
Maura Kathleen Siess  
Jasmine Simpri<sup>†</sup>  
Vinay Singh<sup>†</sup>  
Elana V. Slaveter  
Emerson Whitney Smith  
Vsevolod A. Soltanov  
Savannah N. Staab  
Tori Strausser  
Hannah Grace Sturgis<sup>†</sup>  
Erica Tabor  
Serena Renee Takach<sup>\*\*\*</sup>  
Sydney Thompson<sup>♦</sup>  
Nicole Nazareth Tobia  
Haley Elizabeth Tom  
Case Nahele Tretter  
Alexis Xenia Tsihlis  
Visalakshi Vaithianathan  
Leah Marie Van Horn  
Mónica Fernanda Vázquez Díaz  
Jessica Lynn Venturi  
Anshul Verma  
Bradley Robert Waite  
Jacob Nolan Weinberg<sup>†</sup>  
Joshua Charles Wendall  
Kaitlyn Elizabeth Wethey  
Bryanna White  
Alyse Whitman  
Brianna Marie Wickkizer  
Sydney Wilson  
Cullen J. Wilson  
Hannah Ruth Wood  
Sarah M. Wozniak  
Destiny S. Wright<sup>♦</sup>  
Tianyi Yang  
Zihan Yin  
Luke Ulysses Yochimowitz  
Madison Yohn  
Joy Yoon  
Miles M. Zakos<sup>†</sup>  
Brynn Alexandra Zerbe<sup>\*\*\*</sup>  
Xiaoqing Zhang  
Yuanhao Zhao



## Biotechnology

### *Bachelor of Science*

Lebene Keena Akyea-Djamson<sup>+</sup>  
Megan N. Aloï  
Richard Garland Averitt V  
Emily Danielle Binkley  
Hannah Lauren Brucker  
Neeharika Chimmana  
Brendan Ray Hood  
Robert Joseph Lambi  
Yuan Liu  
Marena Del Sol Martinez Correa  
Michael R. Orris  
Asa Shin  
Samantha M. Smeal  
William Szeliga  
Victoria Dawn Tachinski<sup>†</sup>  
Elizabeth R. Werner  
Jiawen Xu  
Xuanyi Yang

## Chemistry

### *Bachelor of Science*

Ameen Bader  
Zihan Geng  
Jincheng Han  
Shea A. Hicks  
Taylor Hufnagel  
Sinhee Hwang  
Christopher Lee Jameson  
Kavisha Kharawala  
Alaina Caroline Kiffer<sup>†</sup>  
Jihyun Kim  
Timothy Lou  
Elizabeth Ann Lunney  
Stephanie Reyes Munoz  
Nicholas Clair Secosky  
Jonathon Michael Seymore  
Yacun Shen  
Mitchell Stry  
Devon Marie Sweeder<sup>†</sup>  
Olivia Tancredi  
Carolyn Amanda Telfer<sup>†</sup>  
Emily Thompson  
Hannah Michelle Venturini  
Yuanhang Wang  
Zhijie Wang  
Max Daniel Weissberger<sup>\*\*\*\*</sup>  
Tanner Craig Michael Wolf

## Data Sciences

### *Bachelor of Science*

Ahmed Ali Ahmed Mohamed Al Ali  
Oluwafunke Alliyu<sup>♦</sup>  
Tyler Applegate  
Owen Finkbeiner  
Kevin J. Fracalvieri  
Chenese A. Gray  
Jeremy Mathew Heist  
Bohan Huang  
Shivram Iyer  
Benjamin Michael Jochem<sup>\*\*</sup>  
Anna Jane Leon<sup>\*\*</sup>  
Qian Liu  
Kushal Regmi  
Thomas Schaeffer  
Ziang Shi  
Keith Christopher Simmons<sup>†</sup>  
Yaowen Tan  
Morgan Taylor  
Jingyu Wang<sup>\*\*\*</sup>  
Tanya Wang  
Tianye Wang  
Yuzhe Wang  
Mitchell Scott Wentzel  
Ethan Wright  
Zhengrong Zhang  
Qingyu Zhou  
Xiaowei Zhu  
Yanxiang Zhu

## Forensic Science

### *Bachelor of Science*

Adam T. Badinger<sup>†</sup>  
Arielle Renee Brown  
Brianna Ai Khue Dinh  
Ella Elizabeth Herrmann  
Carly Koutouvidis  
Madeline Lee  
Christopher M. Manou  
Megan Kathryn Morris  
Samantha Muller  
Nicole Taylor Olsen  
Davy-Anna Phosouvank-  
Chamroeunphorn  
Yuen Yan Ingrid Poon  
Corryn Prince<sup>†</sup>  
Avarie Ellis Rembert  
Shannon Rose Rowsey  
Taylor Schultz  
Claire Schweitzer<sup>\*\*</sup>  
Lauren Stenger  
Emily Lauren Stillwell  
Marlana Rose Stipa  
Crystal Tecorral

Alexa L. Verderame  
Madison Rae Woolgar  
Rachel Suzanne Yencha  
Amanda Yerkes  
Melise Natalie Zundel

## Mathematics

### *Bachelor of Arts*

Corina Rose Kaiser  
Sarthak Vij

### *Bachelor of Science*

Helia Aghababazadeh  
Hans Markus Arthofer  
Melissa J. Astarita  
David Bodovski<sup>†</sup>  
Stephen Christopher Bottini  
Olivia Boyer  
Trenten Bunk  
Eric Daniel Burns<sup>†</sup>  
Paula Ariela Calizaya Cabrera  
Lihao Chen  
Ziyang Chen  
Chaewan Chun<sup>†</sup>  
Jacob T. Cunningham<sup>†</sup>  
Yuxin Deng  
Hrishikesh Deshpande  
Zelin Ding  
Dhruv Dixit  
Dylan John Eilenberger  
Mutian Fan<sup>†</sup>  
Yuxuan Fan<sup>\*\*</sup>  
Yihao Fu<sup>†</sup>  
Noah Lee Gearhart<sup>†</sup>  
John Thomas Gembarski  
Victor Ginsburg<sup>\*\*</sup>  
Selena Emilia Xiaomeng Gou  
Jaysa Leigh Grafton<sup>†</sup>  
Christopher Michael Gruda  
Ates Gursoy  
Emily Morgann Hamilton  
Sean Thomas Harder<sup>†</sup>  
Zachary J. Hercher  
Sergio Hernandez-Fierro  
Sara Marie Holden  
Grant Thomas Hopkins<sup>\*\*\*\*</sup>  
Katherine Horan<sup>†</sup>  
Xinrui Hu  
Lauren Theresa Hughes  
Sondra Hutchinson  
Claire Rosa Jablonski  
Travis Jalowiec<sup>†</sup>  
Michael Jarecki  
Julian Andrew Jean<sup>†</sup>  
Yifan Jiang

Xin Jin<sup>\*</sup>  
Siti Arisa Ilya Khairil Adzuin  
Young Seo Kim  
Brittany Madison Knob  
Kai-Uwe Konrad<sup>+</sup>  
Ethan G. Laster  
Noah M. Leedom<sup>+</sup>  
Anna Jane Leon<sup>++</sup>  
James Levri  
JiaXia Li  
William Li  
Chunhui (Charles) Li  
Yilin Li  
Ruilin Liang  
Mengqiu Lin  
Tingkai Lin  
Minghui Lin  
Qian Liu  
Weibin Liu  
Jingyi Liu  
Zhe Liu  
Chenyu Lou<sup>+</sup>  
ZeLei Luo  
Justin Malley<sup>+++</sup>  
Kyle Chase McFerran<sup>++</sup>  
Madelyn McNally  
Karen Michele Moreau  
Bailey Kevin Musselman  
Zhongliang Ni<sup>\*</sup>  
Rian Nihart  
David Briton Orndorf  
Sara Kelli Preller  
Yuexuan Qi  
Zixuan Qin  
Lucas Richardsen<sup>++++</sup>  
Madeline Rodriguez  
Jacob Roma<sup>++</sup>  
Nicholas Thomas Ryan<sup>\*</sup>  
Alondra Salinas  
Miranda Marie Schiavone  
Jinglei Shang  
Meier Shi<sup>\*</sup>  
Elijah Silfies  
Haven Derrick Smith  
Justyna M. Sokolik<sup>\*</sup>  
Zitao Song<sup>+</sup>  
Johnathan Toshi Stephenson<sup>\*</sup>  
Sheng Su  
Wanyu Sun<sup>\*</sup>  
Xuefei Sun  
Yaowen Tan  
Qiaojuan Tu  
Nicholas A. Vieceli  
Yancheng Wang<sup>++++</sup>  
Yushu Wang  
Zekun Wang<sup>++</sup>  
Yutang Wang  
Xinyi Wang<sup>\*</sup>

Zhaolin Wang  
Jonathan Wong<sup>+</sup>  
Yutong Xiao  
Jacob Matthew Yadush  
Yifei Yang  
Xiaowen Yang  
Jiyuan Yin  
He Ying<sup>\*</sup>  
Serena J. Young<sup>+</sup>  
Yichen Yu  
Jake Thomas Yuraszeck  
Yifei Zhang<sup>++</sup>  
Kaisen Zhang  
Fengyuan Zhang  
Xiaoyan Zhang  
Tian Zhang  
Jiarui Zhang  
Boyang Zhou<sup>++</sup>  
Minjie Zhu<sup>\*</sup>  
Sen Zhu  
Guanzong Zi  
Haley Zsoldos<sup>\*</sup>  
ZiXun Zuo

## Microbiology

*Bachelor of Science*

Kathryn M. Alesi<sup>+</sup>  
Katelyn Viola Bartlett<sup>+</sup>  
Robert J. Becker<sup>\*</sup>  
Marin Bohinski  
Kayla Iverleta Brown-Collie  
Emma Cook  
Alexandra Diaz  
Kyle Hennessy  
Sylvia Justice  
Ella Nicole McCoy  
Peyton Julia Moore<sup>+</sup>  
Julian Miller Rupkey  
Shay Anthony Toner<sup>+++</sup>  
Nathan Vorodi

## Physics

*Bachelor of Science*

Jeanpun Antarasen  
Victoria Boehm<sup>++++</sup>  
Paula Ariela Calizaya Cabrera  
John F. Callaghan II  
Qiyu Chen<sup>+++</sup>  
Gavin Clineff  
Noble Glusceovich  
Hisham K. Hamada  
Fredric Hancock<sup>++++</sup>  
Zachary J. Hercher  
Tianyang Hu

Travis Jalowiec<sup>+</sup>  
Yifan Jiang  
Samuel Kupp<sup>\*</sup>  
Jeanine Kwon  
Chunhui (Charles) Li  
Cefu Lyu  
Nathaniel John Martin  
Julius Noble McBride<sup>+</sup>  
Yuxuan Meng  
Javier Montaner<sup>+</sup>  
Ning Ni  
Zachary Oleary  
Parin Patel  
Daniel Pyda  
Ethan N. Ritchey<sup>+++</sup>  
Alejandro Rodriguez<sup>♦</sup>  
Hunter L. Schuler  
TY Caleb Shauf  
Rahaf Naser J Sindi  
Taylor Nichole Sullivan  
Xavier J. Szigethy  
Han Tay  
Lindsay Maire Wilson  
Keaton Wright<sup>+</sup>  
Han Yan  
Zhekai Yang  
Michael Andres Zaidel<sup>♦</sup>  
Kira Frances Zeller

## Planetary Science and Astronomy

*Bachelor of Science*

Garison Tyler Andolina  
Gabrielle Leimakana Basiliko  
Anudeep Boddu  
Kaylee Hoke

## Premedicine

*Bachelor of Science*

Nicholas Borgacci  
Blake Evan Greenspan<sup>++</sup>  
Christian Charles Iannuzzelli  
Evan Nelson<sup>++</sup>  
Erika Sato  
Jakob Benjamin Sorbera  
Madison Amanda Thureen  
Dawson C. Williams

## Science

*Bachelor of Science*

Elyse Adolph  
Emmanuella Ogwa Ajenu  
Bianca Marie Nokom Araneta<sup>+</sup>

Julia Arrigale  
Emmanuel Balbuena  
Vincent James Barnes  
Christian Charles Benedict\*\*\*  
Kyle Besecker  
Ashley Victoria Deloris Bethune  
Patricia N. Birungi  
Maria Borgia  
Julia Michelle Botvinov\*\*+  
Madison Leigh Burnard+  
Amy Eilise Corbett  
Jessica Ann Dauphinais+  
Azaria L. Davis♦  
Jacob C. Duron  
Joshua Emanuel  
Loren Jane Gizzi  
Jacob Patrick Heffner  
Dylan Hemmer  
Amanda Danielle Herro  
Kendall Marie Hess  
Jillian Hester  
Hope S. Idiculla+  
Stephanie Amelia Johnson  
Sophia Grace Ko\*\*+  
Dylan Scott Kolb  
Katie Elizabeth Kubasko  
Meena Josephine Kumar  
Helena Laukaitis  
Caroline G. Lestitian  
Sierra Kaitlin Lieb  
Edmund Loolo  
Jenna Marie Martino  
Sela M. Matarese  
Luke Montana  
Tiana Mumma  
Tyler Nayavich  
Mackenzie O'Connor  
Samantha Paige Papik  
Abigail Grace Payha  
Sebastian Jose Javier Pons-Rexach  
Giovanni Randazzo  
Luis Fernando Roldan-Castillo  
Ricky Esteban Ruiz  
Veronica Sendao  
Saad Khalid Siddiqui  
Madison Nicole Smith  
Nathaniel Curtis Smith  
Elizabeth Ann Snell  
Michael Paul Ternoway III\*\*  
Kaley I. Theodoros  
Brandon Harrison Thieu  
Michail Tyryshkin  
Derek C. Ukaegbu  
Patricia Valentin  
Emma Jane Voigt  
Hannah E. White  
Leo Wright+  
Ningxin Zhao

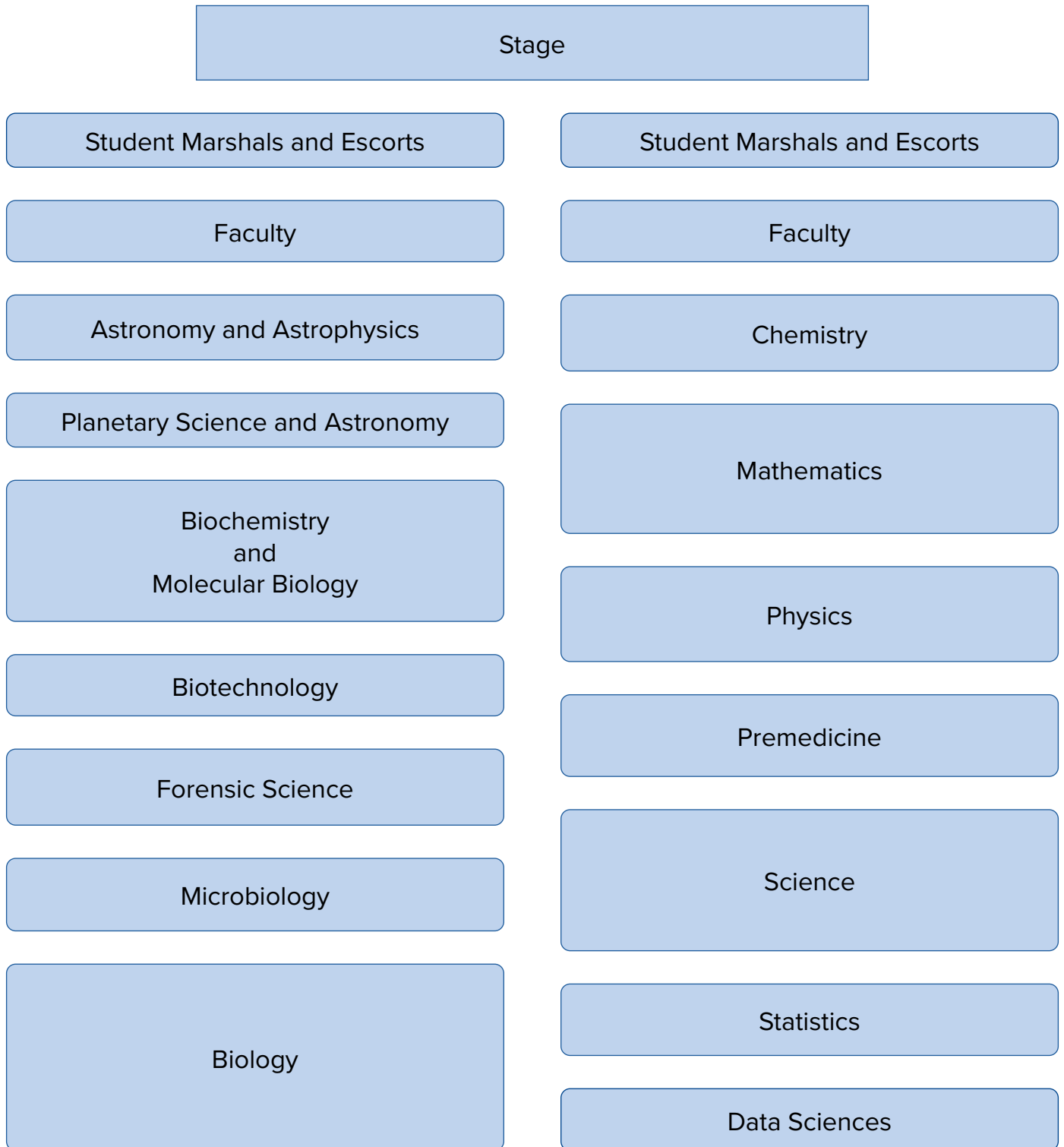
## Statistics

### *Bachelor of Science*

Ahmed Ali Ahmed Mohamed Al Ali  
Vincent Patrick Birch  
Kaitlyn M. Brown  
Owen Chase\*\*\*+  
Yongji Chen  
Hogeun Choi  
Collin A. Cicconi  
Zelin Ding  
Owen Finkbeiner  
Isaac Roman Freeman  
Connor J. Hainley  
Miranda Kaylene Hansen  
Remington G. Harris  
Joon Kyu Hong  
Grant Thomas Hopkins\*\*\*+  
Yushi Hou+  
Bohan Huang  
Drew A. Insley\*\*+  
Hongji Jiang  
Mark Anthony Kelly  
Priti Khire  
Alyssa Renee Knapp  
Adam Joseph Levin  
Changxun Li  
Zhuoran Li  
Shijun Li  
Siting Lin  
Jingyi Liu  
Zhuolin Luo\*\*+  
Zelei Luo  
Kai Lyu  
Payton O. Mendygral  
Kimberly Mincin  
Luke Montana  
Tiana Mumma  
Ryan Joseph Murphy  
Tyler Nayavich  
Zimu Pan  
Adam Poleski  
Zachary Price\*\*  
Weitao Ran  
Om Salunkhe\*\*  
Jessica Marie Schick  
Lauren G. Smith  
Anthony Paul Soscia  
Qiaojuan Tu  
Benjamin Rylan Tuohey  
Cameron Michael Vinson+  
Jingyu Wang\*\*\*  
Kevin Patrick West  
Gregory Westfall+  
Sihan Wu  
Jianqiao Yin  
Ziheng Yuan  
Menghan Zhang

Zhiyuan Zhang  
Yudan Zhang  
Miaosen Zhang  
Siting Zhu+  
Tianyi Zhu  
Guanzong Zi

# Seating Chart



**Dear graduates:** if you have a question about your name, degree, or distinction listed in this program, please reach out to the Office for Undergraduate Students at [cab408@psu.edu](mailto:cab408@psu.edu) or 814-863-5234. Congratulations on your achievements!

This publication is available in alternative media on request. The Pennsylvania State University encourages qualified persons with disabilities to participate in its programs and activities. If you anticipate needing any type of accommodation or have questions about the physical access provided, please contact the Office of Strategic Communications at 814-865-2501 in advance of your participation or visit. Penn State is an equal opportunity, affirmative action employer, and is committed to providing employment opportunities to all qualified applicants without regard to race, color, religion, age, sex, sexual orientation, gender identity, national origin, disability, or protected veteran status. U.Ed. SCI 22-81



## WELCOME TO THE PRIDE!

**Congratulations** on your graduation, and welcome to the Penn State Alumni Association —the largest and most powerful alumni network in the world.

New graduates receive a **complimentary one-year membership** in the Penn State Alumni Association.

As you enter the pride, you'll join the ranks of alumni who keep their connection to Penn State strong through membership. We encourage you to stay connected and learn more about the 30+ benefits that are included with your membership.

Membership materials, including your membership card, will be mailed to you after graduation. Benefits are available to you immediately upon receiving your membership card.

### Exclusive Member Benefits

#### CAREER AND EDUCATION



- **Alumni Career Services:** Attend premium Alumni Career Service events for free or at a substantial discount.
- **Discounts on Kaplan Test Preparation Services**
- **Alumni Library Online:** Exclusive access to Penn State Libraries Digitized Collections and University library databases.

#### ALUMNI EMAIL



Members of the Alumni Association can sign up for a **personal Penn State email account** (@alumni.psu.edu). Accounts are hosted by Google for Education and also include **online storage** and a collection of digital tools.

#### DISCOUNTS



Members receive **access to discounts** including merchandise at Penn State Bookstore campus locations. They also receive access to discounted health, auto, renters, home, life, long-term care, and pet insurance.

**Additional benefits include early invitations to Alumni Association events, access to the Alumni Directory, publications including the *Penn Stater* magazine, and much more!**

