

COMMENCEMENT 2019

Conferring of degrees at the close of the 143rd academic year MAY 23, 2019



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Please note that while all degrees are conferred, only doctoral and bachelor's graduates process across the stage. Taking photos from your seats during the ceremony is allowed, but we request that guests respect one another's comfort and enjoyment by not standing and blocking other people's views. Photos of graduates can be purchased from GradImages[®]: gradimages.com or (800) 261-2576.

A limited number of large-print copies of this program booklet are available at the program distribution tables near the arena entrances.

ORDER OF CANDIDATE PROCESSION

Bachelors — Peabody Conservatory

Bachelors — G.W.C. Whiting School of Engineering

Bachelors — Zanvyl Krieger School of Arts and Sciences

Masters and Certificates — Carey Business School

Masters, Certificates, and Bachelors — School of Education

Masters, Diplomas, and Certificates — Peabody Conservatory

Masters, Performance Diplomas, and Certificates — School of Nursing

Masters — Bloomberg School of Public Health

Masters — Paul H. Nitze School of Advanced International Studies

Masters and Certificates — School of Medicine

Masters and Certificates — G.W.C. Whiting School of Engineering

Masters and Certificates — Zanvyl Krieger School of Arts and Sciences

Doctors of Education and Doctors of Philosophy — School of Education

Doctors of Musical Arts — Peabody Conservatory

Doctors of Nursing Practice and Doctors of Philosophy — School of Nursing

Doctors of Public Health, Doctors of Philosophy, and Doctors of Science — Bloomberg School of Public Health

Doctors of Philosophy — Paul H. Nitze School of Advanced International Studies

Doctors of Medicine and Doctors of Philosophy — School of Medicine

Doctors of Philosophy — G.W.C. Whiting School of Engineering

Doctors of Philosophy — Zanvyl Krieger School of Arts and Sciences

Order of Procession

Marshals for the Graduates

Andreas Andreou Sharleen Argamaso Narges Bajoghli Rita Banz Muyinatu Bell Paul Binkley Ed Bouwer Adriene Breckenridge Jenine Brown Lori A. Citti **Brittany Claridge** Joanna Cohen Ami Cox Moses Davis Peter Espenshade Irene C. Ferguson

Susana J. Ferradas
Hope Fisher
Joan Freedman
Edinah Gnang
Jordan Green
Robert D. Horner
Todd Hufnagel
Claire Hur
Tak Igusa
Lieny Jeon
Ariane Kelly
Scott E. King
Allison Leventhal
Teri Massie-Burrell
Misti McKeehen

Vinciya Pandian Elizabeth Pence Marva Philip Harihar Rajaram Joshua J. Reiter Calvin L. Smith Jr. Jamie Spangler Alexias Estell Stafilatos **Taylor Stoermer** Laura Stott John D. Tovar Meredith Ward Alyssa Weber Charles Wiener Orla Wilson Demere Woolway

The Graduates

Marshals for the Faculties
Stephen J. Gange and Nancy E. Kass

The Faculties

Marshals for the Principals
Farouk Dey and Fenimore Fisher

Officers of the University
The Trustees
Members of the Senior Class Council
Student Chairs of the Hopkins Fund

Readers for Presentation of Degree Candidates

Renee Eastwood Michael Falk Daniel Ferrara Christine Kavanagh Jessica Martin Janet Weise

Chief Marshal

Sunil Kumar

Provost and Senior Vice President for Academic Affairs

The Deans

The President of the Alumni Association
The Honorary Degree Candidates
The Chair of the Board of Trustees

Ronald J. Daniels

President

Order of Events

PRELUDE

The Archipelago Project

PROCESSION

The Archipelago Project

The audience is requested to stand as the procession moves into the arena and to remain standing until after the national anthem.

INVOCATION

Kathy Schnurr University Chaplain

THE NATIONAL ANTHEM OF THE UNITED STATES OF AMERICA

Performed by Emma Renae Dickinson Peabody '19 (MM)

WELCOME

Jeffrey H. Aronson Chair, Board of Trustees

GREETINGS

Allyson Hughes Handley President, Johns Hopkins Alumni Association

REMARKS

Ronald J. Daniels

President

CONFERRING OF HONORARY DEGREES

Rosalie Silberman Abella
Jeffrey H. Aronson
Jagdish N. Bhagwati
Jeffrey Mark Goldberg
Cecil Diggs Haney
Helen H. Hobbs
Sid Lerner

REMARKS

Zanir J. Habib President, Class of 2019

COMMENCEMENT CEREMONY ADDRESS

Jeffrey Mark Goldberg Editor-in-Chief, The Atlantic

Conferring of Degrees on Candidates

Doctors of Education Doctors of Philosophy

PRESENTED BY Christopher M. Morphew Dean, School of Education

Doctors of Musical Arts

PRESENTED BY Fred Bronstein Dean, Peabody Institute

Doctors of Nursing Practice Doctors of Philosophy

PRESENTED BY
Patricia M. Davidson
Dean, School of Nursing

Doctors of Public Health Doctors of Philosophy Doctors of Science

PRESENTED BY
Ellen J. MacKenzie
Dean, Bloomberg School of Public Health

Doctors of Philosophy

PRESENTED BY
Vali R. Nasr
Dean, Paul H. Nitze School of Advanced International Studies

Doctors of Medicine Doctors of Philosophy

PRESENTED BY
Paul B. Rothman
Frances Watt Baker, MD, and Lenox D. Baker Jr., MD
Dean of the Medical Faculty
School of Medicine

Doctors of Philosophy

PRESENTED BY
T. E. Schlesinger
Benjamin T. Rome Dean
G.W.C. Whiting School of Engineering

Doctors of Philosophy

PRESENTED BY
Beverly Wendland
James B. Knapp Dean
Zanvyl Krieger School of Arts and Sciences

Masters of Science
Masters of Business Administration
Graduate Certificates
CAREY BUSINESS SCHOOL

Post-Master's Certificates
Masters of Science
Masters of Education in the Health Professions
Masters of Arts in Teaching
Graduate Certificates
Bachelors of Science
SCHOOL OF EDUCATION

Masters of Arts
Masters of Music
Graduate Performance Diplomas
Performer's Certificate
PEABODY CONSERVATORY

Conferring of Degrees on Candidates

Masters of Science in Nursing/Advanced Practice Masters of Science in Nursing/Entry into Nursing Practice SCHOOL OF NURSING

Masters of Science in Nursing/Masters of Public Health SCHOOL OF NURSING AND BLOOMBERG SCHOOL OF PUBLIC HEALTH

Masters of Arts Masters of Applied Science Masters of Bioethics Masters of Science Masters of Science in Public Health Masters of Health Science Masters of Health Administration Masters of Public Health Masters of Public Policy BLOOMBERG SCHOOL OF PUBLIC HEALTH

Masters of Arts Masters of Arts in Global Policy Masters of Arts in Global Risk Masters of Arts in International Affairs Masters of Arts in International Economics and Finance Masters of Arts in International Studies Masters of International Public Policy PAUL H. NITZE SCHOOL OF ADVANCED INTERNATIONAL STUDIES

> Masters of Science Masters of Arts Post-Baccalaureate Certificates SCHOOL OF MEDICINE

Post-Master's Advanced Certificates Masters of Science in Engineering Masters of Science in Engineering in Bioengineering Innovation and Design Masters of Science in Engineering in Financial Mathematics Masters of Science

Masters of Science in Engineering Management Masters of Chemical and Biomolecular Engineering Masters of Civil Engineering Masters of Engineering Management Masters of Environmental Engineering Masters of Materials Science and Engineering

Masters of Mechanical Engineering Certificates of Advanced Study in Nanobiotechnology **Graduate Certificates**

G.W.C. WHITING SCHOOL OF ENGINEERING

Post-Baccalaureate Certificates

Post-Master's Certificates in Sequence Analysis and Genomics Post-Master's Certificate in Quantitative Methods in Applied Economics Masters of Science

Masters of Science in Applied Economics Masters of Science in Bioinformatics Masters of Science in Biotechnology Masters of Biotechnology Enterprise and Entrepreneurship

Masters of Science in Energy Policy and Climate Masters of Science in Environmental Sciences and Policy Masters of Science in Food Safety Regulation Masters of Science in Geographic Information Systems Masters of Science in Government Analytics Masters of Science in Individualized Genomics and Health

Masters of Science in Regulatory Science Masters of Science in Research Administration Masters of Fine Arts

Masters of Arts

Masters of Arts in Applied Economics Masters of Arts in Communication Masters of Arts in Cultural Heritage Management Masters of Arts in Film and Media Masters of Arts in Global Security Studies Masters of Arts in Government Masters of Arts in Museum Studies

Masters of Arts in Public Management Masters of Arts in Science Writing Master of Arts in Teaching Writing Masters of Arts in Writing Masters of Liberal Arts

Certificates in Biotechnology Enterprise

Certificates in National Security Studies Graduate Certificates in Geographic Information Systems Post-Baccalaureate Certificates, Premedical Program Post-Baccalaureate Certificates, Digital Curation Post-Baccalaureate Certificates, Government Analytics Post-Baccalaureate Certificates, Intelligence Post-Baccalaureate Certificates, Non-Profit Management

Post-Baccalaureate Certificates, Science Writing Post-Baccalaureate Certificates, Science, Technology and International Security Post-Baccalaureate Certificate, Teaching Writing

ZANVYL KRIEGER SCHOOL OF ARTS AND SCIENCES

PRESENTED BY

Sunil Kumar

Provost and Senior Vice President for Academic Affairs

Conferring of Degrees on Candidates (continued)

Bachelors of Science
SCHOOL OF EDUCATION

Bachelors of Music
PRESENTED BY
Fred Bronstein
Dean
PEABODY CONSERVATORY

Bachelors of Science in Applied Mathematics and Statistics Bachelors of Science in Biomedical Engineering Bachelors of Science in Chemical and Biomolecular Engineering Bachelors of Science in Civil Engineering Bachelors of Science in Computer Engineering Bachelors of Science in Computer Science Bachelors of Science in Electrical Engineering Bachelors of Science in Engineering Mechanics Bachelors of Science in Environmental Engineering Bachelors of Science in Materials Science and Engineering Bachelors of Science in Mechanical Engineering Bachelor of Arts in Applied Mathematics and Statistics Bachelors of Arts in Computer Science Bachelor of Arts in General Engineering PRESENTED BY T. E. Schlesinger Benjamin T. Rome Dean

Bachelors of Science in Environmental Science
Bachelors of Science in Molecular and Cellular Biology
Bachelors of Science in Neuroscience
Bachelors of Science in Physics
Bachelors of Science in Africana Studies
Bachelors of Arts in Anthropology
Bachelors of Arts in Archaeology
Bachelors of Arts in Behavioral Biology
Bachelors of Arts in Biology
Bachelors of Arts in Biophysics
Bachelors of Arts in Chemistry
Bachelors of Arts in Classics

Bachelors of Arts in Cognitive Science

G.W.C. WHITING SCHOOL OF ENGINEERING

Bachelors of Arts in Earth and Planetary Sciences Bachelors of Arts in East Asian Studies Bachelors of Arts in Economics Bachelors of Arts in English Bachelors of Arts in Film and Media Studies Bachelors of Arts in French Bachelors of Arts in Global Environmental Change and Sustainability Bachelors of Arts in History Bachelors of Arts in History of Art Bachelors of Arts in History of Science, Medicine and Technology Bachelors of Arts in International Studies Bachelors of Arts in Latin American Studies Bachelors of Arts in Mathematics Bachelors of Arts in Medicine, Science and the Humanities Bachelors of Arts in Natural Sciences Area Bachelors of Arts in Near Eastern Studies Bachelors of Arts in Neuroscience Bachelor of Arts in Political Science Bachelors of Arts in Psychology Bachelors of Arts in Public Health Studies Bachelors of Arts in Sociology Bachelors of Arts in Spanish Bachelors of Arts in Writing Seminars PRESENTED BY Beverly Wendland James B. Knapp Dean ZANVYL KRIEGER SCHOOL OF ARTS AND SCIENCES

THE JOHNS HOPKINS UNIVERSITY MOTTO

Veritas vos liberabit

RECESSIONAL

The audience is requested to remain standing until the principals, officials, members of the faculties, and the graduates have left the area.

Music for today's ceremony is provided by the Archipelago Project, not-for-profit performance ensemble that brings music education to underserved communities around the world. Archipelago hosts yearly residency in May with Baltimore City public school students that coincides with JHU graduation.

The group consists of musicians from the United States, Germany, and Austria, and includes Peabody faculty member Daniel Trahey and alumnus Peter Lander. The Archipelago Project is accompanied today by current Peabody Conservatory alumni Peter Francis, Christopher Frick, Eliza Minster and Kayin Scanterbury, as well as percussionist Peter Tashjian. For more information, please visit archipelagoproject.org.

Honorary Degrees 2019

ROSALIE SILBERMAN ABELLA

Rosalie Silberman Abella is the longest-serving judge on the Supreme Court of Canada. She is a persuasive and eloquent defender of human rights and is particularly known for her work in administrative, family, constitutional, and labor law.

Justice Abella was born in a displaced persons camp in Stuttgart, Germany, and with her family immigrated to Canada in 1950. Her career has included many boundary-breaking firsts: When she was named to the Ontario Family Court in 1976, she became the first refugee appointed to the judiciary in Canada. She was also, at age 29, the youngest person (and the first pregnant one) on the court. With her appointment to the Supreme Court of Canada in 2004, she became the first Jewish woman on that court. In 2018, Justice Abella became the first Canadian judge elected to the American Philosophical Society, which recognized her as a leading voice for human rights among judges of the world's high courts.

Her landmark work in the 1980s on employment barriers for women, nonwhites, indigenous people, and those with disabilities set the standard for the Supreme Court. She was the sole commissioner and author of the 1984 federal Royal Commission on Equality in Employment, creating the term and concept of "employment equity." The theories of "equality" and "discrimination" she developed were adopted by the Supreme Court, and her report has been implemented by the governments of Canada, New Zealand, Northern Ireland, and South Africa.

Justice Abella has been a pioneer in Canadian judicial education, organizing the first national education program for administrative tribunals and the first national conference for Canada's female judges. She has written over 90 articles and written or co-edited four books and served as chair of the Ontario Labour Relations Board (1984 to 1989), chair of the Ontario Law Reform Commission (1989 to 1992), and Boulton Visiting Professor at the Faculty of Law of McGill University (1988 to 1992).

She attended the University of Toronto, where she earned a bachelor's degree in 1967 and a Bachelor of Laws degree in 1970. A piano prodigy, she was one of the youngest graduates of the Royal Conservatory of Music. Among many honors and distinctions, she received the 2016 Global Jurist of the Year Award from Northwestern Law School, was made a senior fellow of Massey College in 1989, a fellow of the Royal Society of Canada in 1997, and a member of the American Academy of Arts and Sciences in 2007. Her degree from Johns Hopkins will be the 39th honorary degree she has received.

Your own journey from immigrant to eminent justice on the Supreme Court of Canada has given you insight and empathy into the lives of those who have often been overlooked or ignored. You have been a champion for the rights of children, asylum seekers, and people who are persecuted for their religious beliefs. You also led the fight for employment equity, ensuring that all Canadians, regardless of gender, ethnicity, or physical limitation, are welcome and supported in the workplace.

Rosalie Silberman Abella, for being a legal trailblazer whose work has shaped more-inclusive societies and transformed individual lives, the Johns Hopkins University is proud to confer upon you the degree of Doctor of Humane Letters, honoris causa.

JEFFREY H. ARONSON

Teff Aronson's love of Johns Hopkins University runs deep. He has devoted countless hours to advancing the institution in myriad roles, first as an undergraduate and later as a proud Blue Jay parent. He has served as a volunteer, donor, and fundraiser, and ultimately as chair of the university's board of trustees.

Mr. Aronson is hailed by President Daniels and the university's academic leaders as a generous partner who has brought tremendous insight, strategic counsel, and boundless dedication to the role of board chair. His tenure began in 2013, and he will conclude his six-year term this summer.

Mr. Aronson is a 1980 honors graduate of the university. As a student, he was chair of Spring Fair and involved in student government and fraternity affairs. As an alumnus, he has chaired the Krieger School of Arts and Sciences Advisory Council. A trustee since 2006, he has served on the Executive Committee of the university's board and chaired its Campaign Executive Committee. He is also a trustee of Johns Hopkins Medicine and serves on that board's Executive Committee.

Mr. Aronson is managing principal of Centerbridge Partners L.P., a private investment firm that manages \$20 billion in capital. The firm focuses on private equity, distressed securities, and credit investments. Aronson earned a law degree in 1983 from New York University School of Law, where he is also a trustee. He began his career as a securities attorney before becoming a professional investor.

In 2011, Mr. Aronson and his wife, Shari, established the Community Impact Internships Program, which offers Johns Hopkins students paid summer internships with Baltimore City nonprofit organizations or government agencies, and have been the program's principal funders ever since. In 2015, they supported the establishment of the Aronson Center for International Studies, which promotes closer ties between SAIS and the undergraduate international studies program at the Krieger School. The center enhances scholarly work and hosts symposiums on global issues, and provides support for undergraduates to travel and do research abroad.

Through the Jeffrey H. and Shari L. Aronson Family Foundation, Mr. Aronson and his wife have also supported early education by way of organizations such as Teach for America, Breakthrough Collaborative, and Harlem RBI, as well as the Jewish Museum, the Birthright Israel Foundation, and UJA Federation.

Johns Hopkins University is proud to call you a member of the family, as undergraduate, parent, volunteer, fundraiser, donor, and chair of the university's board of trustees. You have used your inherent business acumen to build a multinational investment firm, and have shared your success by aiding causes near to your heart, including supporting early education and preserving Jewish culture. We are proud to call you one of our own and grateful for all that you have shared with others—not only your professional guidance but also your warmth, thoughtfulness, and humor.

Jeffrey H. Aronson, for your legacy of boundless support of your alma mater and an extraordinary term of leadership, the Johns Hopkins University is proud to confer upon you the degree of Doctor of Humane Letters, honoris causa.

JAGDISH N. BHAGWATI

A cclaimed economist Jagdish N. Bhagwati is celebrated as one of the most creative economic theorists of his generation and a leader in the global fight for free trade.

A professor of economics, law, and international affairs at Columbia University, Dr. Bhagwati champions unrestricted trade between nations as a way to raise living standards around the world while also supporting human rights and preserving the environment.

Over the course of his career, Dr. Bhagwati has been deeply involved in his native India, where he is considered the father of the market reforms that transformed its economy. He remains one of India's key fiscal influencers, advocating that good jobs and higher wages can stimulate the country's economy by helping people invest in their own education, health, and vitality.

Dr. Bhagwati attended Cambridge University, the Massachusetts Institute of Technology, and University of Oxford. He returned to India in 1961, first as a professor of economics at the Indian Statistical Institute and then as professor of international trade at the Delhi School of Economics. In 1968, he went back to the U.S. and joined the faculty at MIT, leaving it 12 years later for Columbia, where he is University Professor of Economics, Law, and International Affairs.

Dr. Bhagwati has held multiple economic advisory appointments around the world, including director of the Deepak and Neera Raj Center on Indian Economic Policies and senior fellow for international economics at the Council on Foreign Relations; director of the National Bureau of Economic Research; the economic policy adviser to the director-general of the General Agreement on Tariffs and Trade; special adviser to the United Nations on globalization; and external adviser to the World Trade Organization.

He is also a prolific writer whose books—*In Defense of Globalization, Why Growth Matters*, and *Termites in the Trading System*—have attracted worldwide acclaim. He is a fellow of the Econometric Society and has been elected a member of the American Philosophical Society and the American Academy of Arts and Sciences.

You have spent decades offering expert guidance on the global economy as a steadfast champion of free trade, urging all nations to open their markets without restrictions to improve the standard of living for people around the world. While keeping an eye on international affairs, you never lost sight of your homeland, India, where you have spearheaded major economic changes and advocated the idea of better wages as the path to improving lives.

Jagdish N. Bhagwati, for promoting economic opportunity on a global scale, the Johns Hopkins University is proud to confer upon you the degree of Doctor of Humane Letters, honoris causa.

JEFFREY MARK GOLDBERG

Decades of thoughtful reporting have earned journalist Jeffrey Goldberg the trust and respect of his readers and peers. As editor-in-chief of *The Atlantic*, he strives to uphold the magazine's founding vision as America's preeminent magazine of ideas.

Mr. Goldberg has been the top editor of *The Atlantic* since 2016, a role he took on after nine years there as a national correspondent specializing in foreign affairs and national security. As editor-in-chief, he is working to ensure that the legacy of the 162-year-old magazine remains "a big tent for political discussion"—a place where readers can gather facts and listen to what people on all sides of an issue have to say. Such civil discourse needs a home now more than ever, at a time when Americans are increasingly divided by their polarized political views, says Mr. Goldberg, who has also led the publication's transformation from a print-only magazine to one of the country's most vital online news sites.

Much of Mr. Goldberg's writing has focused on American national security and the Middle East. He is the author of *Prisoners: A Story of Friendship and Terror* which was praised by multiple publications, including *The New York Times* and *The Washington Post*.

Before joining *The Atlantic*, Mr. Goldberg was the Washington correspondent for *The New Yorker*. Earlier in his career, he also wrote for *The New York Times Magazine* and *New York* magazine. He has interviewed numerous world leaders, including Barack Obama, Hillary Clinton, David Cameron, Fidel Castro, John Kerry, Benjamin Netanyahu, and King Abdullah of Jordan, among many others.

Mr. Goldberg is a three-time finalist for the National Magazine Award for Reporting and won the award in 2003 for his coverage of terrorism. He is also the recipient of the 2005 Daniel Pearl Award, the International Consortium of Investigative Journalists' prize for global investigative journalism; the Overseas Press Club award; the Abraham Cahan Prize in Journalism; and the Edward Weintal Prize for Diplomatic Reporting. In 2001, Mr. Goldberg was appointed the Syrkin Fellow in Letters of the Jerusalem Foundation; in 2002 he became a public policy scholar at the Woodrow Wilson International Center for Scholars in Washington, D.C. He was more recently a fellow of the American Academy in Berlin, and of the Carnegie Endowment for International Peace.

While many people reflexively tune out those whose political opinions do not match their own, you encourage the free and robust exchange of ideas as editor-in-chief of The Atlantic, one of America's longest-running news magazines. Your career in journalism has been built on the idea of educating readers by showing them new and different perspectives, a goal you accomplished whether you were reporting on some of the most difficult and entrenched global conflicts, bringing to the table the world's most high-profile leaders and thinkers, or guiding the work of other writers.

Jeffrey Goldberg, for your vigilant defense of open discourse, the Johns Hopkins University is proud to confer upon you the degree of Doctor of Humane Letters, honoris causa.

CECIL DIGGS HANEY

U.S. Navy Admiral Cecil D. Haney spent nearly 40 years as a career submariner protecting his country through a series of increasingly high-ranking leadership roles and joint-force assignments. Before retiring in 2017, he served for three years as commander of the United States Strategic Command, or STRATCOM, where he was responsible for the global command and control of U.S. strategic forces, including nuclear forces, missile defense, space, cyberspace, and electronic warfare. Prior to being appointed to that role in 2013, Adm. Haney served nearly two years as the commander of the U.S. Pacific Fleet, leading the Navy's operations from the West Coast of the United States to the Indian Ocean.

Adm. Haney was born and raised in Washington, D.C., in humble surroundings. His parents encouraged their children to work hard, to appreciate every opportunity presented to them, and to be lifelong learners. He took these values to heart, graduating from the U.S. Naval Academy in 1978 with a bachelor's degree in ocean engineering, which enabled him to pursue his interest in the nuclear submarine field. He also holds master's degrees in engineering acoustics and system technology from the Naval Postgraduate School, and a master's degree in national security strategy from the National Defense University.

Adm. Haney has said that experiencing the civil rights movement firsthand while growing up in the nation's capital later helped him value contributions from everyone under his command and to appreciate the importance of diversity in building a team. He also served as a member of the congressionally mandated Military Leadership Diversity Commission.

In retirement, Adm. Haney serves in an advisory capacity for multiple entities, including the Johns Hopkins University Applied Physics Laboratory board of managers, the General Dynamics board of directors, the Naval Studies Board of the National Academy of Sciences, the Center for a New American Security board of directors, and as co-chair for the China–US Dialogue on Strategic Nuclear Dynamics for the Pacific Forum.

Adm. Haney's decorations include the Navy Distinguished Service Medal (two awards), Defense Superior Service Medal (three awards), Legion of Merit (four awards), Navy Commendation Medal (three awards), Navy Achievement Medal (two awards), and various campaign and unit awards. In addition, Adm. Haney was a 1998 recipient of the Vice Admiral James Bond Stockdale Leadership Award.

Guarding the United States and its allies against attack was all in a day's work over the course of your nearly 40-year career in the U.S. Navy. A graduate of the U.S. Naval Academy, you steadily progressed through the ranks. ultimately serving as commander of the United States Strategic Command, one of the Department of Defense's most important posts. Throughout your remarkable career, you have always emphasized the importance of cultivating a strong, diverse team and creating opportunities for those who follow.

Cecil Diggs Haney, for your steadfast leadership and your commitment to protecting the nation from harm and preserving what it stands for, the Johns Hopkins University is proud to confer upon you the degree of Doctor of Humane Letters, honoris causa.

HELEN H. HOBBS

Through her groundbreaking discovery of a new way to reduce cholesterol, renowned geneticist Helen H. Hobbs is saving lives around the world.

Statins are one of the most widely prescribed medicines to treat high cholesterol, but they don't work for everyone. While her peers were studying the most common genetic mutations associated with high cholesterol, Dr. Hobbs and her fellow researchers took a different approach, focusing instead on people with naturally low cholesterol. They identified a specific, rare genetic mutation in this group, which led to the swift development of a powerful new drug to lower stubbornly high cholesterol and stave off heart disease in millions of patients who might otherwise go untreated.

Dr. Hobbs earned her undergraduate degree from Stanford University and her medical degree from Case Western Reserve University School of Medicine. After completing an internship in internal medicine at Columbia-Presbyterian Medical Center, she finished her clinical training and served as chief resident in internal medicine at Parkland Memorial Hospital. From there, she began a career in basic science research as a postdoctoral fellow studying lipoproteins at the University of Texas Southwestern Medical Center. She worked in the laboratory of Michael Brown and Joseph Goldstein, who jointly won the 1985 Nobel Prize in physiology or medicine for the discovery of the connection between genetics and the clogging of arteries that is a leading cause of heart attacks and strokes—research that led to the development of statins.

Today, Dr. Hobbs is an investigator for the Howard Hughes Medical Institute and the director of the McDermott Center for Human Growth and Development, which serves as the Center for Human Genetics at UT Southwestern. She is also director of the Dallas Heart Study, a longitudinal, multiethnic, population-based study of Dallas County.

She has received numerous awards and accolades for her pioneering work, including the 2018 Harrington Prize for Innovation in Medicine, which honors physician-scientists who have advanced science with achievements that are both innovative and have potential for clinical application. Previous honors for her research include a 2016 Breakthrough Prize in Life Sciences, the 2015 Pearl Meister Greengard Prize, and a 2016 Passano Award.

You took an ingenious approach to your research—and changed the course of treatment for millions of patients. Studying the genes of people with naturally occurring low cholesterol, you unlocked the door to the development of a new, powerful medication to treat chronic high cholesterol, especially for those whose condition did not respond to statins, the previous standard of care.

Helen H. Hobbs, for looking at an old and persistent problem in a novel and creative way that saves lives around the world, the Johns Hopkins University is proud to confer upon you the degree of Doctor of Humane Letters, honoris causa.

SID LERNER

A ward-winning advertising executive Sid Lerner dedicates his creativity, energy, and enthusiasm to changing the way people around the world think about the food they eat and its impact on the environment.

Through his Meatless Monday campaign, Mr. Lerner has convinced carnivores everywhere to forgo eating meat for just one day each week to improve their health while conserving the valuable environmental resources it takes to bring meat into the global food supply. Since its launch in 2003 in partnership with the Johns Hopkins Bloomberg School of Public Health, the campaign has grown into a global movement with programs in more than 35 countries and participation from thousands of restaurants, schools, worksites, communities, and celebrities.

In 2013, the Bloomberg School awarded Mr. Lerner the Dean's Medal—the school's highest honor—for his vision and leadership. In 2014, Mr. Lerner and his wife, Helaine, established the Johns Hopkins Lerner Center for Public Health Promotion in the Department of Health, Behavior and Society, and endowed the Helaine and Sidney Lerner Professorship. The Lerners are also major supporters of the Center for a Livable Future and the Center for Alternatives to Animal Testing.

As one of the original "Mad Men" of Madison Avenue, Mr. Lerner worked with classic brands such as Procter & Gamble, General Foods, Texaco, Johnson Wax, and Charmin—for which he helped create the iconic Mr. Whipple/Don't Squeeze the Charmin commercial. A graduate of the Syracuse University School of Journalism, he went on to an advertising and marketing career that included work as a creative director with Norman, Craig & Kummel and Benton & Bowles advertising agencies.

Mr. Lerner is a member of Columbia University's Mailman School of Public Health board of overseers and a Bloomberg School guest lecturer. He is also president of Biorings LLC, which is developing new nonhormonal contraceptive/STD devices. He has authored or co-authored six nonfiction books, including *Monday Morning Quarterback* and *The New Words Dictionaries*. He leads a creative and consulting business, Sid Lerner Associates. In 2011, the Public Health Association of New York City awarded Mr. Lerner the Special Merit Award for his long-term effort to develop creative marketing strategies that promote public health.

As one of the original "Mad Men" of Madison Avenue, you used your creative spark to turn ordinary household items into beloved, trusted brands. Today, your Meatless Monday campaign, which has made it a matter of routine for millions to forgo meat one day each week, motivates people to make healthy changes not only for their own sake but for the good of the planet.

Sid Lerner, for using your passion for commercial marketing to revolutionize the science of social marketing, the Johns Hopkins University is proud to confer upon you the degree of Doctor of Humane Letters, honoris causa.

The University Mace

The university mace, carried by the chief marshal, was first used at the 1954 Commemoration Day Ceremony. Eight symbols are handwrought in sterling silver on an ebony staff representing our cultural development from ancient times, through the Middle Ages and the Renaissance, to the modern era.

The Presidential Insignia

University President Ronald J. Daniels is wearing the presidential insignia signifying the authority vested in the president by the board of trustees. It is a chain of sterling silver links worn around the neck. Portraits of the Johns Hopkins University presidents are engraved on the faces of the links. On the reverse, the names and dates of office of each president are engraved. Blank links for future use are included. The university seal completes the design.

Academic Garb

The custom of wearing academic dress stems from the Middle Ages, when scholars were also clerics and wore the costume of their monastic order. The hood was originally a cowl attached to the gown, which could be slipped over the head for warmth. The cap was originally round but has changed to the varieties we see today.

The gown varies for the respective degrees. The bachelor's gown is worn closed and can be distinguished by its long, pointed sleeves. The master's gown is designed to be open with the arms placed through the slits at the elbows of the sleeves. The doctor's gown, also worn open, has full, bell-shaped sleeves with three horizontal bars stitched across the upper sleeve. There is a velvet panel draped around the neck and stitched down the front edges. This velvet trimming may be either black or the same color as the velvet border of the hood.

The hood also varies for the respective degrees. The master's hood is three and a half feet long. The doctor's hood is four feet long, of fuller shape, and rounded at the base. The hood is bordered with velvet, the color of which indicates the field of study in which the master's or doctoral degree was earned.

Dark blue — *Philosophy*

Light blue — *Education*

Peacock blue — Public Policy

Green — Medicine

Salmon pink — Public Health

Orange — Engineering

Gold-yellow — Science

White — Arts and Letters

Pink — Music

Purple — *Law*

Apricot — Nursing

Tan — Business

Dark brown — Fine Arts

The silk lining of the hood represents the institution that granted the degree. If more than one degree is held, the gown and hood of the highest degree is worn. The Johns Hopkins University has adopted an alternative costume to be used by all holding Johns Hopkins doctoral degrees, both earned and honorary. The costume consists of a gold robe with front and side panels in sable velvet and a six-sided Dutch academic cap with gold sweatband and tassel. The linings seen in today's academic procession may include the following:

Brown University — brown, red California Institute of Technology — orange, white Columbia University — light blue, white Cornell University - red, white Duke University — blue Harvard University — crimson Howard University — blue, red Indiana University — red, white Johns Hopkins University — black, old gold Massachusetts Institute of Technology — cardinal red, gray New York University — purple Northeastern University — red, black Northwestern University — purple, white Ohio State University — scarlet, gray Princeton University — orange, black Rice University — blue, gray Rutgers University — red

Stanford University — cardinal Temple University — white, red University of California — gold, blue University of Chicago — maroon University of Colorado — gold, gray University of Florida — orange, royal blue University of Maryland — red University of Michigan — gold, blue University of North Carolina — light blue, white University of Pennsylvania — red, blue University of Pittsburgh — blue, gold University of Rochester — blue, gold University of Virginia — orange, blue University of Wisconsin — bright red Vanderbilt University — gold, black Washington University, St. Louis — red, green Yale University — dark blue

The University Motto

VERITAS VOS LIBERABIT.

The truth shall make you free.
—St. John 8:32

Truth Guide Our University
The Spirit of JHU

ADAPTATION OF THE JOHNS HOPKINS UNIVERSITY ODE ERIK MEYER PEABODY '02, '04 (MM)

Truth guide our university,
and from all error keep us free.
Let knowledge grow from more to more,
and may our scholars' spirits soar,
Their souls for light forever burn,
send forth thy fire, that they may learn;
And let their faithful teaching be:
the truth alone can make us free.
May wisdom be our nobler aim,
and learning set our hearts aflame,
And let our watchword ever be:
the truth for aye shall keep us free!

The Schools of Arts and Sciences, Engineering, Nursing, and Medicine, and Peabody Conservatory

THE SUDLER ARTS PRIZE

The Sudler Arts Prize is awarded to that graduating senior from the Zanvyl Krieger School of Arts and Sciences, the G.W.C. Whiting School of Engineering, the School of Nursing, the Peabody Institute, or that fourth-year student in the School of Medicine who, in the opinion of those faculties, has demonstrated excellence and the highest standards of proficiency in performance, execution, or composition in music, theater, dance, fiction, poetry, painting, drawing, sculpture, photography, film, or videotape.

Awarded to Victoria W. Yeh

PRESIDENT'S COMMENDATION FOR ACHIEVEMENT IN THE ARTS FOR SERVICE TO THE ARTS

Awarded to *Julia Zimmerman*

Homewood Arts Programs Awards

THE EUGENE LEAKE AWARD

For outstanding achievement in the Center for Visual Arts.
Awarded to
Caroline Aronin
Ziwei Chen
Penny Li
Cindy Li
Victoria W. Yeh
Alexandria Yu

Willa Yu

Athletic Awards

THE BLUE JAYS UNLIMITED AWARD

Given to the Johns Hopkins varsity athlete who most exemplifies the spirit of Blue Jays Unlimited by demonstrating team spirit and leadership, promoting team unity and morale, and enhancing the athletic experience of his/her teammates. Awarded to Jeremy Ratcliff

THE CATHERINE P. CRAMER AWARD

Presented annually to the female student who has contributed most to athletics at the university.

Awarded to Ellie Clawson

THE LARRY GOLDFARB AWARD

Presented to a senior for outstanding service to the Hopkins athletic program. Awarded to Jeremy Ratcliff

THE HOWARD-SHRIVER AWARD

Presented to the senior who has demonstrated outstanding achievement in both academics and athletics while at the Johns Hopkins University.

Awarded to Alexis Scholtz

THE C. GARDNER MALLONEE AWARD

Presented annually to the male student who has contributed most to athletics at the university.

Awarded to

Luke McFadden

THE ROBERT H. SCOTT AWARD

Presented to the senior who has demonstrated excellence in athletics, scholarship, and extracurricular participation. Awarded to Timothy Kutcher

HOMER R. SCHWARTZ AWARD

For outstanding contribution to athletics at Johns Hopkins University. Awarded to Anne Pliska

Teaching Awards

PROFESSOR JOEL DEAN EXCELLENCE IN TEACHING AWARD

Excellence in Teaching Award

The Professor Joel Dean

is given annually to one or more graduate students or faculty members who demonstrate an intense devotion to teaching and a talent for making mathematics more understandable. The award was established by Joel Dean Jr., a Whiting and Krieger School parent, in honor of his father and is supported by the Joel Dean Foundation. Awarded to Ke Chen Iames Fill Donniell Fishkind Edinah Gnang Yingze Hou Dai-Ni Hsieh Wei-Chun Hung Mario Micheli Tingting Ou Elizabeth Reiland Emily Riehl Brian Smithling

The Zanvyl Krieger School of Arts and Sciences and the G.W.C. Whiting School of Engineering

THE CHARLES A. CONKLIN AWARD

Charles A. Conklin III earned his bachelor's degree in electrical engineering from Johns Hopkins in 1927. This award is presented to outstanding Electrical and Computer Engineering seniors to recognize their academic achievements.

Awarded to

Awarded to
Brian Andrew Gerber Fogelson
Brandon Thai Tran

AMERICAN SOCIETY OF CIVIL ENGINEERS MARYLAND SECTION SCHOLARSHIP

Awarded to an undergraduate member of Johns Hopkins
University's ASCE Student
Chapter for his or her
outstanding academic merits
as a student in the Department
of Civil Engineering.
Awarded to
Awoenam Mauna-Woanya

AMERICAN SOCIETY OF MECHANICAL ENGINEERS AWARD

For outstanding effort and accomplishment on behalf of the JHU ASME student chapter. Awarded to *Caterina Esposito*

ROBERTO R. ARELLANO AWARD

For excellence in writing by an undergraduate in the Writing Seminars.

Awarded to

Laura C. Schelong

Fred Torcaso

THE CHRISTIAN DELACAMPAGNE AWARD

For the best French senior thesis. Awarded to Émile-Victor Kuyl

JAMES F. BELL AWARD

For outstanding undergraduate research and scholarly achievement in Mechanical Engineering. Awarded to Amy Chi Kevin Peters

BIOMEDICAL ENGINEERING DISTINGUISHED SERVICE AWARD

This award is presented to biomedical engineering students who have demonstrated outstanding service to the academic community through their work with the **Biomedical Engineering** Society or in the classroom. Awarded to Punthira Arpornsuksant Damali Egyen-Davis Sanjay Elangovan (2017) Shravya Gogula Ananya Gupta (2017) Jacqueline Lanzaro Parth Vora (2018) Xuejie Wang

LUCIEN BRUSH AWARD FOR EXCELLENCE IN ENVIRONMENTAL ENGINEERING

The Lucien Brush Award for Excellence in Environmental Engineering is given annually for outstanding achievement in Environmental Engineering by a graduating senior (or seniors). The award was established in memory of Professor Lucien M. Brush Jr., a faculty member who was a major part of the substance

and the spirit of the department and of the university for some 25 years.

Awarded to

Kimberly Koon

Cole Rosenberger

THE CHAFFEE WRITING PRIZE

Recognizing the performance and promise of one or more Writing Seminars undergraduates.

Awarded to Jayne K. O'Dwyer Joanne H. Oh

DANIELLE ALYSE BASFORD WRITING PRIZE

A yearly award established in memory of Danielle Basford, a 2012 graduate of the Writing Seminars.

Awarded to:

Natalie J. Wallington

CIVIL ENGINEERING ACHIEVEMENT AWARD

Recognizes outstanding academic achievement by graduating seniors in the Department of Civil Engineering.
Awarded to Harrison Folk
Kyle Shannahan

CIVIL ENGINEERING FACULTY RECOGNITION AWARD

For academic excellence and active participation in leadership and service opportunities in the broader community. Awarded to *Karl Ehlert*

INFORMATION SECURITY INSTITUTE ANKURA SCHOLARSHIP AWARD

Awarded to an MSSI student for superior performance in their coursework, research project, and service. Awarded to Yu-Tsern Jou

THE EXCELLENCE IN COGNITIVE SCIENCE AWARD

Awarded annually to a graduating cognitive science major for academic excellence and outstanding accomplishment in research.

Awarded to

Kimberly Wong

COMPUTER SCIENCE CS+X AWARD

Mingyu Yang

To a senior computer science major for outstanding achievement in combining diverse studies with computer science. Awarded to Alaleh Azhir Peiyong Zhang

COMPUTER SCIENCE OUTSTANDING COURSE ASSISTANT AWARD

To a student for outstanding effort and skill in assisting with the teaching of course.

Awarded to
Emily Cheng
Rui Shen

COMPUTER SCIENCE OUTSTANDING SENIOR AWARD

To a senior computer science major for academic excellence, leadership, and service in the Department of Computer Science.

Awarded to

Adriana Donis-Noriega

Timothy Kutcher

Elaine Wong

THE STEPHEN DIXON LITERARY PRIZE

A yearly literary prize will be given in the name of our distinguished colleague Stephen Dixon, and awarded to a graduating senior whose work has demonstrated distinctive stylistic flair in keeping with the high mark established by Professor Dixon's stories and novels.

Awarded to

Michael G. Feder

SEVERN TEAKLE WALLIS AWARD

Outstanding essay in Spanish. Awarded to Allison Keller

EHE FACULTY AWARD FOR SERVICE AND ACADEMIC ACHIEVEMENT

The Faculty Award for Service and Academic Achievement is given to a senior (or seniors) for outstanding service and academic achievement in the Department of Environmental Health and Engineering. Awarded to *Maia Watson*

EHE UNDERGRADUATE LEADERSHIP AWARD

The Undergraduate Leadership Award is given annually to an undergraduate student who has exhibited exemplary leadership that has had a significant and positive impact on the educational experience of their fellow students. Awarded to *Justin Stith*

EHE OUTSTANDING UNDERGRADUATE RESEARCH AWARD

The Outstanding
Undergraduate Research
Award is given annually to an
undergraduate student in the
Department of Environmental
Health and Engineering who
has conducted outstanding
research and exhibited great
promise in research during
their undergraduate training.
Awarded to
Rafael Ferguson
Anna Lindsay

ENGLISH SENIOR ESSAY AWARD

Awarded each year for the best essay by a senior English major. Awarded to Sarah Jingyu Liu

ROBERT GEORGE GERSTMYER AWARD

For outstanding undergraduate achievement in mechanical engineering.
Awarded to
Maria Coleman
Yuqing Pan
Zhiyi Ren

G. STANLEY HALL PRIZE

For outstanding achievement by an undergraduate in Psychology. Awarded to Natalia Laspada

MAX HOCHSCHILD FUND

The prize is awarded annually to the undergraduate student in economics who has shown great promise and proficiency in this field.

Awarded to Oscar Volpe

JACOB H. HOLLANDER PRIZE

For excellence in writing by a Writing Seminars undergraduate. Awarded to Sarina F. Redzinski

THE THREE ARTS CLUB OF HOMELAND AWARD

For excellence in writing by a Writing Seminars undergraduate. Awarded to Giovanna E. Molina

WILLIAM H. HUGGINS AWARD

William H. Huggins was chair of the Department of Electrical Engineering from 1970 to 1975. He was a member of the National Academy of Engineering, and a fellow of the IEEE, and was the recipient of the IEEE Educational Medal and the IEEE Edison Medal. These awards are presented annually to senior students in Electrical and Computer Engineering for outstanding scholarship and service to the department and to their fellow students.

Awarded to Michael V. Signorelli Nicholas Patrick Skacel

THE MULY FAMILY UNDERGRADUATE RESEARCH AWARD

Elizabeth P. Cohn

This award supports undergraduate student research and is awarded annually to an exceptional undergraduate student conducting research in the Department of Electrical and Computer Engineering. It was established by Emil '56 and Faye Muly in honor of their family that includes several generations of Hopkins alumni. Awarded to

IEEE ETA KAPPA NU EXCELLENCE AWARD

This award recognizes those within the Department of Electrical and Computer Engineering who have demonstrated exceptional academic accomplishments. It is presented to a member who has not only excelled in scholastics but also made sizable contributions to the university and the community through extraordinary character and leadership. Awarded to Samuel Donald Spetalnick

RICHARD J. JOHNS AWARD

For outstanding academic achievement in Biomedical Engineering. Awarded to Alaleh Azhir Zi-Yi Choo Elysia Chou Paige Frank Talia Kirschbaum Allison Lemmer John Lin Ming Yang Lu Rohan Panaparambil Austin Petronack Adam Polevoy Dahlia Rohm Alexis Scholtz Jamie Shade Chanon Thanitcul Linh T.M. Tran

DONALD E. KERR MEMORIAL AWARD

To the outstanding undergraduate major in physics and astronomy. Awarded to Stephen R. Dempsey Wenzer Qin

DANNY LEE AWARD

For outstanding undergraduate research in biomedical sciences.

Awarded to

Lauren Parker

THE RICHARD A. MACKSEY AWARD

Given to the graduating senior, a member of Phi Beta Kappa, who best represents a combination of academic excellence and educational breadth. Awarded to

Rachel Lynn Underweiser

MATERIALS SCIENCE AND ENGINEERING ACHIEVEMENT AWARD

For outstanding academic achievement by a graduating senior in Materials Science and Engineering.

Awarded to Sabrina Shen Mingyu Yang

THE SAUL ROSEMAN AWARD

For outstanding research in biochemistry. Awarded to Robert Levendosky

WILLIAM D. MCELROY AWARD

For meritorious research conducted by an undergraduate in the biological sciences.

Awarded to
Chaim Chernoff

SENIOR DESIGN ENGINEERING AWARD

In recognition of outstanding contributions to the design and conduct of a team research project in the Department of Materials Science and Engineering.

Awarded to Rory Cole

ROBERT H. SCANLAN AWARD

For a student who demonstrates an interest in making connections between engineering and research practice. Awarded to Michael Kearns

GERARD H. SCHLIMM AWARD

For exceptional accomplishment by a student in the Department of Civil Engineering.

Awarded to Rachel Neiman

WILLIAM N. SHARPE AWARD FOR MECHANICAL ENGINEERING STUDENT INVOLVEMENT

Recognizes significant leadership and achievement in extracurricular activities among Mechanical Engineering students. Awarded to Sara Gunasekera Lucy Reider

MOST DISTINGUISHED THESIS IN PUBLIC HEALTH STUDIES

Awarded to Shahmir Ali Dylan Balter Bronte Nevins

OUTSTANDING SENIOR AWARD IN PUBLIC HEALTH STUDIES

For academic excellence, leadership, and service in public health.
Awarded to
Madison Dutson

OUTSTANDING TEACHING ASSISTANT AWARD

The Outstanding Teaching
Assistant Award is given
annually to a master's or
doctoral student in the
Department of Environmental
Health and Engineering who
has exhibited an exemplary
commitment to student
learning.
Awarded to
Michael Rose

THE STEPHEN AND CAROLYN OPPENHEIMER AWARD

Awarded to a student who demonstrates great research and teaching promise.

Awarded to

Alexis Ceasrine

Kiara Eldred

Liang Wang

EMILY AND THOMAS MEREN SCHOLAR AWARD

Established in 1998 in support of undergraduate students pursuing a BS/MS degree in neuroscience.

Awarded to

Alfred Chin

Nancy Luo

CHARLES A. MILLER AWARD

Awarded by the Mechanical Engineering Department for outstanding undergraduate achievement.

Awarded to Solomon Polansky

ROBERT B. POND SR. ACHIEVEMENT AWARD

Garrett Ung

Awarded to the graduating senior in the Department of Materials Science who best exemplifies Robert Pond's commitment to scholarly and humane values.

Awarded to

Jaynie Criscione

THE CURT P. RICHTER AWARD IN BEHAVIORAL BIOLOGY RESEARCH

In recognition of outstanding achievement in the David S. Olton Behavioral Biology Program.
Awarded to Krysten Garcia

DAVID S. OLTON AWARD

Given annually to support undergraduate research in the area of the biology of behavior, broadly defined.

Awarded to

Hien Minh Nguyen Tran

Xintong Yuan

DR. BENJAMIN T. SANKEY FELLOWSHIP

A yearly award established in memory of Benjamin Sankey, a graduate of our program, that recognizes superior performance in the graduate MFA program of the Writing Seminars.

Awarded to Armen Davoudian Aleyna S. Rentz

SENIOR DESIGN ENGINEERING AWARD (INDIVIDUAL)

In recognition of outstanding contributions to the design and conduct of an individual research project in the Department of Materials Science and Engineering. Awarded to Kyu Seok Kim

SIEBEL FOUNDATION PRIZE

Awarded to a student in bioengineering who displays excellence in academics, research, and leadership.
Awarded to Farshid Alambeigi Ehsan Azimi Javad Fotouhi John Hickey Luke Osborn

JULIAN C. STANLEY AWARD

For the undergraduate psychology major who most closely approximates Dr. Stanley's personal and professional standards of excellence.

Awarded to

Haley Province

STANTON FORGIONE PRIZE

Named in memory of Phoebe B. Stanton (faculty, 1954–1982) and Nancy E. Forgione (BA 1974, PhD 1992) for outstanding achievement by an undergraduate in History of Art. Awarded to Maya Kahane

DAVID T. YUE MEMORIAL AWARD

This award is dedicated to the memory of David T. Yue, MD-PhD class of 1987, a joyful teacher, inspiring mentor, world-renowned scientist, and beloved colleague in the Department of Biomedical Engineering. The award recognizes outstanding teaching or mentoring by an undergraduate teaching assistant or laboratory manager. Awarded to Chukwuebuka Achebe Punthira Arpornsuksan Fatima Bouftas Pamela Chansky Zi-Yi Choo Damali Egyen-Davis Shravya Gogula John Lin Christopher Mejia Momin Mohis Rohan Panaparambil Adam Polevoy (2018) Dahlia Rohm Nicholas Sass Alexis Scholtz Kamran Siddiq Niki Tselepidakis Xuejie Wang (2018)

LINDA TRINH MEMORIAL AWARD

This award is dedicated to the memory of Linda Trinh, Class of 2005, who worked tirelessly through her research and volunteer efforts to improve the human condition. It is awarded to a design team that embodies her spirit, qualities, and accomplishments.
Awarded to
Sanjay K. Elangovan (2016)
Jacqueline Lanzaro
Sarah M. Lee (2016)
Jae H. Lee (2016)
Austin Petronack (2018)
Jamie Shade (2018)
Sonia Trakru (2016)

JOHN BOSWELL WHITEHEAD AWARD

John Boswell Whitehead was named professor of electrical engineering at JHU in 1910 and began a program in applied electricity that led to the formation of the Electrical Engineering Department. Professor Whitehead was also the first dean of the School of Engineering. This award is presented annually to an undergraduate student for outstanding achievements in electrical and computer engineering. Awarded to Samuel Donald Spetalnick

THE NADDOR PRIZE

The Naddor Prize is awarded to a non-senior undergraduate for significant achievement in departmentally related academic and extracurricular activities. It is named in honor of the late Professor Eliezer Naddor, the first recipient of a PhD in operations research in the United States and a long-time faculty member in the department.

Awarded to Carly Lupton-Smith Tingting Ou

Lyle Paskowitz

Steven Witkin

Maggie Wodicka

THE WOLMAN AWARD FOR INTERDISCIPLINARY WORK

Given annually to a graduating senior who exhibits both promise and spirit in regard to interdisciplinary work. The award was established in memory of M. Gordon "Reds" Wolman, a faculty member in the department who contributed to the academic growth of the university through service as a department chair and interim provost and through strong advocacy of interdisciplinary studies. He was a beloved member of the Johns Hopkins University for more than half a century. Awarded to Kevin Wang

APPLIED MATHEMATICS AND STATISTICS ACHIEVEMENT AWARD

This award recognizes outstanding achievement by an undergraduate across a broad spectrum of departmental activities, including academic performance, research, pedagogy, and leadership. Awarded to Tara Abrishami Anton Alyakin Alaleh Azhir Rebecca Reubenstein Fei Teng Oscar Volpe

THE AMS PRIZE FOR OUTSTANDING MASTER'S RESEARCH

This award recognizes one or more students enrolled in one of the AMS master's programs who have been engaged in research in applied mathematics and whose accomplishments and creativity have exceeded expectations.

Awarded to Tara Abrishami Jiawen Bai

Yu Shao Yunfan Zhao

APPLIED MATHEMATICS AND STATISTICS MATHEMATICAL MODELING COMPETITION PRIZE

Each year, the Department of Applied Mathematics and Statistics recognizes high levels of performance by undergraduates or research teams engaged in mathematical modeling, either in applying mathematics to a real-world problem or by participating in the international mathematical modeling competition of the Consortium for Mathematics and Its Applications (COMAP). Awarded to Eli Katz Aksel Kohen Sam Randall Rebecca Reubenstein

THE CREEL FAMILY TEACHING ASSISTANT AWARD

Steven Witkin

Anthony Wu

Recognizes the best teaching assistant(s) in Mechanical Engineering.
Awarded to
Change Liu
Benjamin Minnick
Mohit Singhala

THE MECHANICAL ENGINEERING SPECIAL ACHIEVEMENT AWARD (MESAA)

For outstanding leadership and achievement through engineering clubs and societies.

Awarded to

Andrew Colombo

Austin Dillow

Courtney Schmitt

Tyler Spoleti

Lindsey Wiser

The Carey Business School

THE EDWARD J. STEGMAN, CPA, MEMORIAL AWARD

The Edward J. Stegman, CPA, Memorial Award for Excellence in Business Scholarship is named in memory of Edward J. Stegman, founder of Stegman and Company, who taught Business Economics and Accounting at Johns Hopkins University from 1928 until 1945. Since 1975, over 430 high-achieving graduating students have earned this prestigious award. The award is currently presented to graduating students with the highest GPA in the full-time MBA program, the full-time MS programs, and the part-time graduate programs. Awarded to Terra Weirich Blodnikar Iialin Iia Benjamin Louis Schneider

The School of Education

DIANE TOBIN MEMORIAL AWARD

School of Education faculty created this award in her honor to recognize those who have demonstrated excellence in teaching.
Awarded to
Connie Lin, 2017
Gillian Richter

EDWARD F. PAJAK AWARD

Awarded to an alumnus of JHU's School of Education Doctor of Education program. The recipient is a K-12 school leader who has distinguished him- or herself by being a visionary leader through the application of progressive education theory to the

practice of serving communities, families, and youth. Awarded to Jennifer Lamia

ALAN THORMEYER AWARD

Awarded to a Master of Arts in Teaching student in the Department of Teacher Preparation who exemplifies the spirit and dedication of its namesake. Awarded to Shacora J. Eubanks

The School of Medicine

THE DAVID TUCKCHOW YUE AWARD

David Tuckchow Yue, a Johns Hopkins M.D., Ph.D. graduate was an inspirational mentor to over 70 students, fellows, and members of his Calcium Signals Lab; co-directed the **Biomedical Engineering** Ph.D. Program; and played an important role in the M.D.-Ph.D. program. In his memory, his wife, Nancy, and sons, Michael, Daniel, and Jonathan, along with his Calcium Signals Lab members, have sponsored the David Tuckchow Yue Award to honor innovative research by outstanding graduate students at the Johns Hopkins School of Medicine. Awarded to Leah Joy Greenspan, 2017-2018

THE HENRY STRONG DENISON AWARD FOR MEDICAL RESEARCH

The Henry Strong Denison Award for Medical Research in memory of Henry Strong Denison, M.D., 1908, is used for the specific purpose of aiding in the training for research of young people deemed by the Medical Faculty

to be especially gifted for a career in medical investigation. Awarded to Anna Poray Goddu, 2016–2017

THE PAUL TALALAY RESEARCH AWARD

The Paul Talalay Research Award was established in 2017 to honor Dr. Paul Talalay, who was a professor of pharmacology and molecular sciences and started the Young Investigators' Day Program in 1978. Awarded to Caitlyn Elizabeth Bowman, 2016-2017

THE SOL GOLDMAN AWARD

The Sol Goldman Award is given annually to a Johns Hopkins medical student who is recognized by the faculty of the Department of Medicine, Division of Geriatric Medicine and Gerontology, for excellence in geriatrics and for exceptional sensitivity to older patients. This award is made possible by an endowment given by the family of Sol Goldman to perpetuate an interest in and commitment to geriatric medicine and gerontology among medical students. Awarded to

THE PAUL EHRLICH RESEARCH AWARDS

Megan Lauren Salter

The Paul Ehrlich Awards were established to honor Dr. Paul Ehrlich with funding originally granted by Dr. Emanuel Libman. The awards, which recognize student research contributions, are presented each year at Young Investigators' Day. Awarded to Joshua Casaos, 2017-2018 Jonathan Cory Grima, 2016-2017 Maeva Size Nyandjo, 2016–2017

THE MICHAEL A. SHANOFF RESEARCH AWARD

The award is made annually to a student for significant research contribution in the medical sciences. The award is made possible by a bequest from the family and friends of the late Dr. Michael A. Shanoff, who earned his undergraduate degree and M.D. and Ph.D. degrees from the Johns Hopkins University. Awarded to Chih-Ping Mao, 2014-2015 Yuchuan Miao. 2017–2018

THE ALICIA SHOWALTER REYNOLDS RESEARCH AWARD

This award was created by the School of Medicine Dean's Office in 1996, to honor the memory of Alicia Showalter Reynolds, a Ph.D. student in the Department of Pharmacology and Molecular Sciences from 1992 until her untimely death in 1996. It is given in recognition of contributions to research undertaken by a Ph.D. candidate in the School of Medicine. Awarded to

Travis Austin Babola, 2018-2019 Bramwell Gideon Emmett Lambrus, 2015-2016

THE MARTIN AND CAROL MACHT RESEARCH AWARD

The Martin and Carol Macht Research Award is given to a doctoral candidate whose research evidences elegance in science, originality in thought, and creativity in approach. The award was made possible by a donation from the Macht family of Cincinnati, Ohio. Awarded to Collin James Tokheim, 2017-2018

THE METTE STRAND RESEARCH AWARD

The Mette Strand Research Award was established in 1998 as an enduring legacy to graduate education and to honor the contributions to science and education made by Dr. Strand as a professor of pharmacology and molecular sciences from 1977 until her untimely death in 1997. The award is made possible by the generous contributions of her colleagues and friends as a tribute to her contribution to humanity in the quest for a vaccine against schistosomiasis, her unyielding devotion to science and her role in the training of a generation of graduate students of this institution. Awarded to Kousik Sundararajan,

2017-2018

THE BUTLER PRIZE

The Butler Prize is awarded annually to the best paper written by a first-year History graduate student. The prize was established in 1957 by Dr. Alexander Butler, a graduate of the department. Awarded to Dominique Hazzard

ARTHUR KOUGUELL MEMORIAL PRIZE

For the undergraduate honors thesis that best represents Arthur Kouguell's commitment to scholarly and human values. Awarded to Hana Chop

THE HANS JOAQUIM PROCHASKA RESEARCH AWARD

The Hans Joaquim Prochaska Research Award was established in 1998 to honor outstanding discovery by a student in the School of Medicine. Awarded to

Awarded to
John Wirthlin Hickey,
2018–2019
Michelle Stephanie Levine,
2016–2017
Jingchuan Luo, 2017–2018

THE BAE GYO JUNG AWARD

The Bae Gyo Jung Research Award was established in 2006 by friends and family in memory of Bae Gyo Jung, who was a predoctoral student in the Department of Biological Chemistry. Awarded to

Kyle Scott Severson, 2017-2018

THE HAROLD LAMPORT BIOMEDICAL RESEARCH PRIZE

The memory of Dr. Harold Lamport, a distinguished investigator, is honored by this prize established by the Lamport Foundation. The prize recognizes research contributions.

Awarded to Victoria Huang, 2016–2017

THE EXCELLENCE IN MEDICAL STUDENT RESEARCH AWARD

This award is given annually to students whose efforts in basic biomedical, clinical, or public health research is noteworthy and found deserving of special recognition.

Awarded to

Rebecca Glasser Allain,
2016–2017

Aparna Krishnan, 2014–2015

Christine Lee Shrock,

2015-2016

Elizabeth Kimberly Uhlig, 2016–2017 Eric Gregory Weaver, 2016–2017 Carson Fairfield Woodbury, 2016–2017 Yuanxuan Xia, 2015–2016

DISTINCTION IN MEDICAL STUDENT RESEARCH AWARD (ORAL)

This award is given to students who demonstrate outstanding research presentation skills at the annual Medical Student Research Day Symposium. Awarded to Ilan Joseph Resnick Caplan, 2017–2018

THE HARVEY CUSHING MEDICAL STUDENT HUNTERIAN RESEARCH AWARD

This award is presented by the Department of Neurosurgery to a medical student who has demonstrated aptitude, dedication, and achievement in neurosurgical research and who shows promise for a career in neurosurgery.

Awarded to

Joshua Casaos

David Michael Gullotti

Yuanxuan Xia

SYLVAN SHANE PRIZE IN ANESTHESIOLOGY AND CRITICAL CARE MEDICINE

This prize, established by Dr. Sylvan Shane, a former member of the faculty in Anesthesiology and Critical Care Medicine, recognizes an outstanding medical student making a career choice in anesthesiology.

Awarded to
Zachary Mason Janik

THE HASKINS K. KASHIMA, M.D. PRIZE IN OTOLARYNGOLOGY-HEAD AND NECK SURGERY

This prize, which honors Dr. Haskins K. Kashima, a former professor in the Department of Otolaryngology–Head and Neck Surgery, recognizes an outstanding medical student who has chosen a career in otolaryngology–head and neck surgery.

Awarded to

THE W. BRUCE FYE PRIZE IN THE HISTORY OF MEDICINE

Melissa Margaret Liu

The prize is made possible by the generosity of W. Bruce Fye (Johns Hopkins BA '68, MD '72, MA in History of Medicine, '78), a prominent cardiologist and historian of medicine who is the past president of both the American College of Cardiology, the American Osler Society, and the American Association for the History of Medicine, and who served as professor of medicine and history of medicine at the Mayo Clinic. In a long and wide-ranging career as a clinician-historian, Fye's books and articles have consistently demonstrated the relevance of historical thinking to medical research, training, practice, and policy. He established this prize in 2018 to encourage Johns Hopkins medical students to gain experience in historical research and writing and to appreciate how the history of medicine provides valuable perspective on current and future challenges and opportunities in medical practice, education, and research. Awarded to Elisabet Pujadas

THE FRANK H. NETTER, M.D. MEMORIAL SCHOLARSHIP IN MEDICAL ART

The medical illustrator Frank H. Netter, M.D., is known worldwide for his ability to distill complex medical subject matter into clear, effective teaching images. Dr. Netter was not only a skilled draftsman, but knowledgeable in anatomy, physiology, and pathology through his medical training. Family and friends established this scholarship to recognize a student in Art as Applied to Medicine who displays a similar balance of medical and scientific knowledge with the artistic skills that he exhibited throughout his career. Winners of this award have excelled in their academic courses; displayed exceptional art expression; and most importantly utilized both resources to create well-designed and effective didactic illustrations. Awarded to Alisa Maika Brandt

WARFIELD T. LONGCOPE PRIZE IN CLINICAL MEDICINE

The award established in honor of Dr. Longcope, director of the Department of Medicine from 1922 to 1946, recognizes that graduating student entering the field of medicine whose performance in clinical medicine exemplifies in outstanding fashion the academic excellence and the human qualities that mark the true physician.

Awarded to Sanskriti Varma

HELEN AND HAROLD HARRISON AWARD

The Harrison Award recognizes the remarkable achievements of Doctors Helen and Harold Harrison. The award was established by Dr. Harrison's house officers and colleagues during his many years as chief of Pediatrics at the Baltimore City Hospitals. This award recognizes outstanding proficiency in pediatrics. Awarded to *Tania Metai Haag*

WILLIAM STEWART HALSTED AWARD IN SURGERY

This award established in honor of Dr. Halsted, the first professor and director of the Department of Surgery, recognizes that graduating student entering the field of surgery whose proficiency in the discipline is deemed outstanding by the faculty of the Sections of Surgical Sciences.

Awarded to

Awarded to
Lindsay Kathleen Dickerson

EMILY SIMMS HALLER PRIZE

The Emily Simms Haller Prize in Obstetrics was established in 1993 to honor outstanding medical students for their work in obstetrics. Dr. Haller used the Hopkins Hospital Clinics and Labor and Delivery Suite as a site for regular medical student education. Dr. Haller is beloved by decades of students for her teaching and is recognized for her clinical excellence. She is a wife and mother of Hopkins' physicians. The prize was created by colleagues, friends, and family. Awarded to Anna Poray Goddu

SOCIETY FOR ACADEMIC EMERGENCY MEDICINE AWARD

This award recognizes a senior medical student who has demonstrated excellence in the specialty of emergency medicine.

Awarded to Christopher Jerry Counts

AMERICAN ACADEMY OF NEUROLOGY PRIZE FOR EXCELLENCE IN NEUROLOGY

This prize is awarded by the American Academy of Neurology annually to a graduating medical student who exemplifies outstanding scientific achievement and clinical acumen in Neurology or Neuroscience and outstanding personal qualities of integrity, compassion, and leadership.

Awarded to

Rehecca Marie DiBiase

THE NOVEY PRIZE IN PSYCHOLOGICAL MEDICINE

This prize recognizes that graduating student with an outstanding academic record in Psychiatry who has written the best paper on the connection between medical illnesses and mental life.

Awarded to

Melissa Jane Lavoie

THE STEPHEN J. RYAN, M.D. PRIZE IN OPHTHALMOLOGY

Stephen J. Ryan, a graduate of the Johns Hopkins University School of Medicine, Class of 1965, established this prize in honor of his dedication to medical excellence and his affiliation with the Johns Hopkins School of Medicine and the Wilmer Eye Institute. This prize is awarded to a graduating Johns Hopkins medical student with an outstanding academic record who is entering the field of ophthalmology. Awarded to Shazia Dharssi

The School of Nursing

ACADEMIC EXCELLENCE AWARD

To an Entry into Practice student whose academic performance has been judged outstanding.

Awarded to Lela Spielberg Kanter Kristen Emanuel Martignetti Marielle Elizabeth McDonagh Katherine C. McNabb Laura Jeanne Moro Taylor Hawley Sartor

THE JOHNS HOPKINS NURSES' ALUMNI ASSOCIATION AWARD

To an Advanced Practice student demonstrating expertise in professional nursing practice and patient-centered health care delivery. Awarded to Alainna Christine Crotty Sejung Kim Menachem Lasdun Jessica Stankiewicz Lightcap Fernando Rafael Mena-Carrasco Cari LeighAnn Nash Aura Cristina Santaella

THE JOHNS HOPKINS NURSES' ALUMNI AWARD

Recognizes an Entry into
Practice student whose leadership ability is combined with
clinical competence and an
inquiring mind.
Awarded to
Anne E. Gibbons
Jodie Catherine Pelusi
Kodiak Ray Sung Soled
Turner Jessie Wiley

EMMA JONES BECKWITH CULLEN AWARD

To an Entry into Practice student in recognition of the highest standards of nursing practice and executive ability. Awarded to Shelby Leigh Newman Kathryn Jane Spearman

THE CHURCH HOME AND HOSPITAL NURSING ALUMNAE AWARD

Recognizes an Entry into
Practice student who best
exemplifies a humanistic
approach to nursing while
integrating the art, science,
and the spirit of nursing.
Awarded to
Amanda Marie Krow
Caroline Anne McKnight
Laura Jeanne Moro

ELEANOR WADE CUSTER AWARD

To an Entry into Practice student who most successfully demonstrates initiative and creativity in improving the health of a community with sensitivity to one's fellow man. Awarded to Elena Gray Huang Brendan Paul Magistro Sara Elizabeth Senter

BETTY CUTHBERT AWARD

To an Entry into Practice student who demonstrates outstanding commitment and service to nursing and the university.

Awarded to Carissa Marie Boire Eric James Lucas Karuna Mizusaki

LEADERSHIP AWARD

To an Advanced Practice student demonstrating outstanding leadership in the field of nursing.

Awarded to Megan Lee Burris Garrett Logan Matlick Lisa Lynn Puett Katherine Julia Spence Rawls Leah Rose Shelley

MARY AND GRAINGER MARBURG AWARD

In recognition of an Entry into Practice student who consistently exhibits outstanding clinical nursing expertise. Awarded to Julia Louise Cohn Fay Sade Laborio

ROBERT G. MERRICK AWARD

To an Entry into Practice student demonstrating outstanding leadership in the field of nursing.

Awarded to Helena Afua-Mansa Addison Jason G. Boyd Rachael Viale

RUTH DALE OGILBY AWARD In recognition of exceptional

academic performance in the Master's Advanced Practice program.

Awarded to Alainna Christine Crotty Madeline Reed Furst Chelsea Woodell Heller Ashley Yasamine Izadpanah

RESEARCH AWARD

Laura Coryn Palmisano

To an Entry into Practice student demonstrating intellectual curiosity and creativity in nursing research. Awarded to Justine Nicole Cortez Vi Thuy Nguyentran

EDNA SCHOEN MEMORIAL AWARD

To an Entry into Practice student demonstrating excellence in clinical practice. Awarded to Kylee Regan Bushway Kristen Emanuel Martignetti Melissa Jean Spahr

SIGMA THETA TAU NU BETA CHAPTER AWARD

To an Advanced Practice

student in recognition of

superior academic achievement, creative scholarship and research. Awarded to Ann Marie Albright Katherine Elizabeth Erdelyi Chelsea Woodell Heller

THE SINAI NURSES' ALUMNAE ASSOCIATION OF SINAI HOSPITAL INC.

Michael Anthony Shelley

Recognizes an Entry into
Practice student who exhibits
enthusiasm, compassion, and
a positive approach to problem
solving in nursing.
Awarded to
Julia Mae Eckert
Lilian W. Njeeh
Frances Denise Saenz

JOAN SUTTON AWARD

To an Entry into Practice student demonstrating a strong dedication to professional nursing, clinical excellence, and interdisciplinary practice.

Awarded to Lourdes Cassandre Celius William James Doyle

The Peabody Conservatory

CLARA ASCHERFELD AWARD IN ACCOMPANYING

Awarded to
Chelsea de Souza
Jun Luke Foster
Eunchan Kim
Narae Lee
Xuesong Lin
Ramilya Saubanova
Chia-Yu Tsai

B AND O WOMEN'S CLUB AWARD IN PERFORMANCE

Awarded to Sarah Lynne Lewandowski

MARTHA AND WILLIAM BILL MEMORIAL PRIZE IN CLARINET

Awarded to Sheng Chen

P. BRUCE BLAIR AWARD IN COMPOSITION

Awarded to
Patrick Andrew Thompson

GEORGE CASTELLE MEMORIAL AWARD IN VOICE

Awarded to
Charlotte Suzanne Bagwell
Ricardo Garcia
Jared Hancock
Alicia Renee Lumberry
Colleen Elizabeth McGonigle
Emma R. Nicholson
Arianna Celeste Rodriguez
Daniel Edward Sampson
Brianna Grace Samuels
Maria Rosalie Servodidio
Kelly Marie Timko
Lorenzo Zapata

ISRAEL DORMAN MEMORIAL AWARD IN STRINGS

Awarded to
Carrie A. Jones
Ethan W. Sandman
Amy Huimei Tan

CHARLES M. EATON PRIZE IN VOICE

Awarded to

Emma Renae Dickinson

BRUCE R. EICHER PRIZE IN ORGAN

Awarded to
Paul H. Byssainthe Jr.
Jordan Wilder Prescott

PAULINE FAVIN MEMORIAL AWARD IN PIANO

Awarded to Yi-Chen Feng Sahun Hong

MOLLIE G. AND JOSEPH L. FORSCHER AWARD IN MUSIC COGNITION

Awarded to Julie Desbordes

SIDNEY FRIEDBERG PRIZE IN CHAMBER MUSIC

Awarded to Chelsea Wang

RICHARD FRANKO GOLDMAN PRIZE IN PERFORMANCE

Awarded to
Infinity Jazz Willner

LILLIAN GUTMAN MEMORIAL PRIZE IN PIANO

Awarded to Timothy J. Jones

LYNN TAYLOR HEBDEN PRIZE IN PERFORMANCE

Awarded to
Olivia Castor
Colleen Elizabeth McGonigle

OTTO ORTMANN AWARD IN COMPOSITION

Awarded to Ryan Ayres

SIDNEY JENSEN MEMORIAL PRIZE IN CLARINET

Awarded to Chadwick Glenn Thomas

BRITTON JOHNSON MEMORIAL PRIZE IN FLUTE

Awarded to

Andrew Jerome Dardis

Christian Paquette

CLINTON LEE ARROWOOD MEMORIAL PRIZE IN FLUTE

Awarded to Gyuri Kim

GUSTAV KLEMM AWARD IN COMPOSITION

Awarded to Sean McFarland

OLGA VON HARTZ OWENS MEMORIAL PRIZE IN STRINGS

Awarded to
Elías Leceta Gómez-Nebreda
Marcella Jo Kolacki
Bronwyn Kure
Mark Yeh Liu
Soyoon Park
Xingqiao Ren
Kahler John Suzuki
Lan Zhang

PEABODY BASSOON PRIZE

Awarded to

Mateen Asad Milan

HAROLD RANDOLPH PRIZE IN PERFORMANCE

Awarded to Eric P. Engler

IRVING LOWENS ENDOWED MEMORIAL PRIZE IN MUSICOLOGY

Awarded to Henry William Hubbard

ADA ARENS MORAWETZ MEMORIAL AWARD IN COMPOSITION

Awarded to

Kyle Puebla Dubin

MAY AND MARTIN RAILA AWARD IN MUSIC EDUCATION

Awarded to
Winston Malik Harris

GRACE CLAGETT RANNEY PRIZE IN CHAMBER MUSIC

Awarded to
Samuel Adam
Andrea I. Copland
Andrew Jerome Dardis
Jordan Alia Dinkins
Jeremy Thomas Hassell
Mateen Asad Milan
Jacob Niemann
Fangming Shen
Chadwick Glenn Thomas
John PatrickWagner
Chenguang Wang

RICHARD ROSS MEMORIAL AWARD IN ORGAN

Awarded to Mi Zhou

RANDOLPH S. ROTHSCHILD AWARD IN COMPOSITION

Awarded to Timothy Witbeck

ALICE AND LEARY TAYLOR AWARD IN PERFORMANCE

Awarded to Katelyn Aungst

MABEL H. THOMAS PRIZE IN PERFORMANCE

Awarded to Robert A. Rocheteau

MELISSA TILLER MEMORIAL PRIZE IN STRINGS: VIOLIN

Awarded to
Fangming Shen

FRANCES M. WENTZ TURNER PRIZE IN PIANO

Awarded to
Eugene Chan

JAMES WINSHIP LEWIS MEMORIAL PRIZE IN PERFORMANCE

Awarded to Marcella Jo Kolacki Arianna Celeste Rodriguez

J.C. VAN HULSTEYN AWARD IN STRINGS: VIOLIN

Awarded to
Esther Kim
Grace Y. Kim
Minjin Lee
Sarah Thomas
Chuanzi Wang
Yat Sze Wong
Ae-Lin Youn
Mei Zhan

ANNIE WENTZ PRIZE IN VOICE

Awarded to
William D. Meinert

GEORGE WOODHEAD PRIZE IN VOICE

Awarded to
Katelyn Grace Aungst
Madilyn Crossland
Amelia Isabel Gil-Figueroa
Abigail Hart
Katherine Holobinko
Madeline Huss
Randa Rima Elias Melhem
David Brian Sexton

SARAH STULMAN ZIERLER PRIZE IN ACCOMPANYING

Awarded to Yunling Zhang

The Bloomberg School of Public Health

P.D. AGARWAL SCHOLARSHIP

To MPH students from India. Awarded to Viraj Ambalam Aniket Ganesh Kini

AOYAMA-KITA SCHOLARSHIP

To public health physicians from Japan, Korea, and Malaysia. Awarded to Pyoenggyun Choe

CHRISTINE AWORI HAYANGA SCHOLARSHIP

To a physician from Africa. Awarded to Beatrix Juliana Atieno

J. HOWARD BEARD FELLOWSHIP

To an outstanding student pursuing a career in local or state public health work. Awarded to *Jenny Xin Wen*

THE DAVID AND PATRICIA BERNSTEIN SCHOLARSHIP

To an outstanding MPH student.
Awarded to
Sarah M. Kennedy

THE DAVID AND ELINOR BODIAN SCHOLARSHIP FUND

To a doctoral student in any department at the Johns Hopkins Bloomberg School of Public Health whose dissertation research is at a critical juncture.

Awarded to

Erin Christina Hunter

CELE AND PETE BORCUK SCHOLARSHIP

To nurses or nursing students studying public health. Awarded to Sarah Lynn Woznick

THE CARR FAMILY HUMANITARIAN SCHOLARSHIP FUND

To support full-time MPH students at the Johns Hopkins Bloomberg School of Public Health.

Awarded to

Mary Ann Hernando

CENTENNIAL SCHOLARS

To an outstanding MPH student.
Awarded to
Joseph Abraham Yoon

CENTER FOR A LIVABLE FUTURE—LERNER FELLOWSHIP

To students who are committed to the discovery and/or application of knowledge about public health challenges associated with the current food system and/or about the creation of a healthier, more equitable, and more resilient food system. Awarded to Ann Marie McManus Carroll Vanessa Renee Coffman Philip Ray McNab Natalie Michelle Reid Sameer Mitchell Siddiqi

CHAO AND WONG SCHOLARSHIP

To an outstanding international student.

Awarded to

Beatrix Juliana Atieno

DR. CHUN HUI YEN AND WANG PEI YEN SCHOLARSHIP FUND

To a student from Taiwan or China with demonstrated academic excellence and financial need. Awarded to Chao Huang

COVERDELL FELLOWS SCHOLASHIP

To MPH student who served in the Peace Corp. Awarded to Jessie Bennett Sarah Sullivan Boyd Jennifer Lynn DaPolito Alexa Renee Edmier Emily Kitts Andrew Garfield Ryan

CYNTHIA AND ROBERT LAWRENCE SCHOLARSHIP

To a Masters of Public Heath student whose public health interests have a direct bearing on the priorities and focus of the Center for a Livable Future. Awarded to

Emily Claire Cumbie-Drake

DEAN'S ALUMNI ADVISORY COUNCIL SCHOLARSHIP

To an outstanding student dedicated to preventing disease and disability and premature death in the global defense of human life.

Awarded to

Ryan Rachmad Nugrah

ENDOWED SCHOLARSHIP IN THE HEALTH OF MOTHERS AND CHILDREN

To a student whose interests, research, and career plans are focused on improving the health and saving lives of mothers and children.

Awarded to

Aimee Kao-Hsuan Huang

THE ESKRIDGE FAMILY STUDENT SUPPORT FUND FOR INTERNATIONAL STUDENTS

To an outstanding international student.

Awarded to

Emma Ghazaryan

Jordan Levi Rodriguez

Hernandez

GLOBAL HEALTH SCHOLARS

Supports students in the MPH program.

Awarded to

Francisco Rodriguez Garza

Tulika Singh

HOWARD C. AND JANE R. GOODMAN FUND

To an outstanding MPH student.
Awarded to
Chelsey A. Russell

THE LILLIAN HISS-ETHEL CROSBY SCHOLARHIP FUND

To a student committed to public health nursing.

Awarded to

Constance Lau

RICHARD E. HOFFMAN SCHOLARSHIP

To a MPH student interested in professional applied epidemiology. Awarded to Constance Lau

THE SIBLEY AND CATHERINE HOOBLER AWARD FOR EXCELLENCE IN PUBLIC HEALTH AND MEDICINE

To encourage study at the Bloomberg School of Public Health and the School of Medicine. Awarded to Neha Jia Ahmad

LEE M. AND MAXWELL C. HOWARD SCHOLARSHIP FUND FOR INTERNATIONAL STUDENTS

To an outstanding international student.

Awarded to

Hazem S. K. Ayesh

JOHN C. HUME MASTER OF PUBLIC HEALTH AWARD

To a graduate for academic excellence and professional promise.

Awarded to

Michelle Ivy Wiener

KUHLMEIER CENNTENIAL ENDOWMENT

To support deserving MPH students.
Awarded to
Biswas Pradhan
Edward Sutanto
Rachel Harris Alinsky

ERNEST LYMAN AND HELEN ROSS STEBBINS SCHOLARSHIP

To an MPH student focused on professional practice. Awarded to Edward Sutanto

THE DR. CYNTHIA MAUNG ENDOWED SCHOLARSHIP FUND

To outstanding medical students pursuing an MPH degree. Awarded to Jenny Xin Wen

JANICE EDDY MICKEY SCHOLARSHIP

Students who plan to devote their lives to improving health and human rights worldwide. Awarded to Jeffrey M. Herman

MINORITY HEALTH AWARD

Students with a demonstrated commitment to minority health issues.

Awarded to

Chelsey A. Russell

LOWELL J. REED AND WADE HAMPTON FROST SCHOLARSHIP

To outstanding MPH students.
Awarded to
Mary Ann Hernando
Ryan Rachmad Nugrah
Madeleine Hatano O'Neill
Biswas Pradhan
Esmerelda Ruiz
Tulika Singh
Edward Sutanto
Joseph Abraham Yoon

THE RUTH RICE PUFFER FUND FOR INTERNATIONAL STUDENT SUPPORT

To an outstanding master's degree student who is not a U.S. citizen.
Awarded to
Angelica Lopez Hernandez

EDYTH SCHOENRICH SCHOLARSHIP

To support deserving MPH students.

Awarded to

Katelin Jo Gray

Jacqueline Elizabeth Hackett

SOMMER SCHOLARS

Recognizing MPH and doctoral students with outstanding academic ability and public health leadership potential.

Awarded to Daniel Alejandro Arias Emily Claire Cumbie-Drake Ahmed Elhussein Javier Lenin Galvan Jennifer Greenleaf Payne Maia Ramarosandratana

THE WATT/HANSELL ENDOWMENT

To an outstanding student pursuing training at the School of Public Health and the School of Medicine. Awarded to Miriam Tien Hui Fox James Paul Senter

YC YANG AWARD

To outstanding international MPH students. Awarded to Ikponmwosa Osaghae

The Paul H. Nitze School of Advanced International Studies

WILLIAM C. FOSTER AWARD

To second-year students for sound scholarship and a record of leadership and distinguished service to SAIS, exemplary of the high qualities of integrity, loyalty, and ability admired in Mr. Foster.

Awarded to Soon-Won Hong Rebecca Kim

CHRISTIAN A. HERTER AWARD

To a member of the secondyear class with the most outstanding academic record during the first three semesters. Awarded to Maya Alena Gainer Matthew John Giebler Chau Thuy Bao Hoang Tyler Scott Kellermann Megan Joan Seiboldt

Phi Beta Kappa

Phi Beta Kappa, founded at the College of William and Mary in 1776, is the nation's oldest and most prestigious undergraduate honors organization. To gain election students must have excelled in a broad array of undergraduate courses in the arts and sciences offered at one of the 249 colleges and universities in the United States that are sufficiently rigorous and intellectually challenging to shelter a Phi Beta Kappa chapter. The Johns Hopkins University chapter was founded in 1895.

FROM THE SENIOR CLASS IN THE ZANVYL KRIEGER SCHOOL OF ARTS AND SCIENCES ELECTED IN 2018:

Carol Maria Cheney Nina M. D'Amiano Melissa H. Mai Alexandra Sophie Marksteiner Kushi Ranganath Xintong Yuan

FROM THE SENIOR CLASS IN THE ZANVYL KRIEGER SCHOOL OF ARTS AND SCIENCES ELECTED IN 2019:

Hong Yu Chen Lucy Gallagher Eills Rubab Fatima Malik Amy Ai-Minh Nguyen Justine V. Pinkerton Gianni Thomas Tara Abrishami Sinan Akosman Mariana D. Baroni Sanam Bhatia Luke J. Bonanni Melissa M. Chang Ziwei Chen Sarah E. Crum Robin M. Dickey Grace Y. Duan Anne Meredith Duncan Myranda Brooke Gormley Anna Gradzka Casey Ann Haughin

Benjamin Jia Huang Nancy Huang Amos Jeng Samantha Joelan Siliquini Kegel Kain Kim Jiuling Li Sarah Liu Emma H. Maxwell Emma Kitano Paine Eduardo X. Paredes Lauren Elizabeth Parker Gianni Roberto Petrozzino Sai Lakshmi Priya Pinni Ashley Marie Sablich Turner Douglas Schwartz Celine Heather Shanosky Ramanan Sivakumar Lucie Rose Smul Sophia Q. Song Fei Teng Amanda Michelle Tuchler Rachel Lynn Underweiser Emily Arden Velandia Varun Vohra Eric Gerard Waelbroeck Wanting Xu Fanghan Yang Laetitia X. Zhang

FROM THE SENIOR CLASS IN THE G.W.C. WHITING SCHOOL OF ENGINEERING, APPLIED MATHEMATICS AND STATISTICS:

Alexander Yeh Bai Xiao Xie

FROM THE PH.D. CANDIDATES IN THE BLOOMBERG SCHOOL OF PUBLIC HEALTH:

Josh Michael Colston Jinhee Hur Matthew Tyge Murrill Kristin Elizabeth Poti

FROM THE PAUL H. NITZE SCHOOL OF ADVANCED INTERNATIONAL STUDIES:

India Erla Boland Pietro Gagliardi Jiayi Ma Edward Saull

FROM THE SCHOOL OF MEDICINE:

Alisa Maika Brandt Karen Christie Cravero Matthew Tyge Murrill

Upsilon Phi Delta

National academic honor society for students in health-care administration programs.

The following members of the graduating class have been elected to Upsilon Phi Delta:
Tyler Jacob Dunn
Matthew Brian Hersman
Jan R. Ingram
Tia Connor Izawa
Christina Welborn Jameson
Angel Khuu
Nikki Kuna
John Khalil McKeil
Rafay Ahmed Qureshi
Jonathan Tracy Robinson
Travis Michael Woodburn
Anna Zi Ye

Upsilon Pi Epsilon

International honor society for the computing and information science disciplines.

The following members of the graduating class have been elected to Upsilon Pi Epsilon: Joshan Bajaj Natasha Bornhorst Yu-Chi Chang Katherine Cheney Aidan Crank Paige Frank Nicholas Hale Tai-Ting Hsieh Jingfeng Edward Hu Nirmal Krishnan Timothy Kutcher Peter Lazorchak Jeong Eun Lee David Li Kunal Lillaney Yujia Liu Rachmiel Joseph Naness

Jaimie Patterson Kevin Peng Adam Poliak Dillon Ponzo Michelle Shu Gayatri Susarla Sharmila Tamby William Watson Elaine Wong Andong Zhan Jason Zhang

Delta Phi Alpha

German Honors Society. The Johns Hopkins Chapter of Delta Epsilon.

The following members of the graduating class have been elected to Delti Phi Alpha:
Dominique Eberhard
Lucas Feuser
Delaney Ubellacker

Pi Delta Phi

The French National Honors Society. The Johns Hopkins Chapter of Xi Tau.

The following members of the graduating class have been elected to Pi Delta Phi:
Osmel Alvarez
Tai Barber-Gumbs
Isaac Bernstein
Katherine Holobinko
Beatrice E. Lunsford-Poe
Michelle Ondari
Irina Plaks
Tyler J. Ross
Isadora Salles
Alexander Tsang
Lynn Yoon
Laetitia Zhang

Sigma Pi Sigma

Founded in 1921, Sigma Pi Sigma exists to honor outstanding scholarship in physics.

The following members of the graduating class have been elected to Sigma Pi Sigma:
Stephen R. Dempsey
Anthony M. Flores
David M. Glass
Austin J. Granmoe
Kelsey M. Ishimoto
Karl L. Osterbauer
Wenzer Qin
Spiros A. Reda
Cassidy M. Speller
Adam T. Strickland

Alpha Kappa Delta

Alpha Kappa Delta seeks to acknowledge and promote excellence in scholarship in the study of sociology, the research of social problems, and such other social and intellectual activities as will lead to improvement in the human condition.

FROM THE SENIOR CLASS IN THE ZANVYL KRIEGER SCHOOL OF ARTS AND SCIENCES:

Irene Bantigue Divya Baron Mindy Kim Yu Jin (Gina) Kim Sarah (Charlie) Linton Yuyan Pu Jane Shin Brianna M. So Marissa S. Varnado

Woodrow Wilson Undergraduate Research Fellowship Program

Unique to Johns Hopkins University, the Woodrow Wilson Undergraduate Research Fellowship Program, founded in 1999, offers a select group of undergraduates in the Krieger School of Arts and Sciences the opportunity to explore new avenues of inquiry alongside and with the guidance of scholar-teacher mentors whose own research is at the cutting edge of their disciplines. Selection of Fellows is based on academic merit and the strength of applicants' proposals for independent research. Students have the Fellowship for the entire length of their undergraduate careers.

The following members of the graduating class have been elected Woodrow Wilson Fellows: Ank Agarwal Shahmir Ali Chaim Chernoff Grace Duan Ellen Harty Rayyan Jokhai Shravika Lam Victoria Lyons Kush Mansuria Giovanna Molina Peace Obi Joseph Ian O'Connor-Giles Joanne Oh Marian Park Lauren Parker Kushi Ranganath Thaara Sumithra Shankar Dimitri Simes Rachel Underweiser Natalie Wallington

Luorongxin Yuan

Tau Beta Pi National Engineering Honor Society

The following members of the

elected to membership in Tau

graduating class have been

Beta Pi:

Antoinette Michelle Abate Punthitra Arpornsuksant Alaleh Azhir Altarash Barthakur Stephen Randall Brao Ruoqing Cai Amy Song Chi Craig Abraham Chikis Zi-yi Choo Elysia Yang Huo Chou Maria Demetria Coleman Alexander Masahiro Doran Sanjay Elangovan Brian Fogelson Paige Fleming Frank Huizi Guo Ananya Gupta Nupur Jain Kriti Jindal Yoon Ki Joo Talia Miriam Kirschbaum Lawrence Michael Langan Peter Michael Lazorchak Allison Debra Lemmer Darren H. Loh Ming Yang Lu James Austin Lubowsky Patrick Eugene Myers Yuqing Pan Rohan Sumedh Panaparambil Austin Paul Petronack Solomon Joseph Polansky Calvin Oian Dahlia Frances Ida Rohm Lucia Micaela Sablich Alexis Kayla Scholtz Jamie Erin Shade Sabrina Chin-yun Shen Gabriel Francis Blagdon Sinclair Nathan Connor Smith

Samuel Donald Spetalnick

Chanon Thanitcul

Brandon Tran Linh Thi My Tran Niki Natalia Tselepidakis Garrett Tyler Ung Mingyu Yang

Eta Kappa Nu Engineering Society

The following members of the graduating class have been elected to membership in Eta Kappa Nu:

Matthew A. Chea
Elizabeth P. Cohn
Brian Andrew Gerber Fogelson
Xinyi He
Michael V. Signorelli
Nicholas Patrick Skacel
Samuel Donald Spetalnick
Brandon Thai Tran

Alpha Omega Alpha Honor Medical Society

The Alpha Chapter of Maryland was established at the Johns Hopkins University School of Medicine in 1906. Medical students with outstanding records are elected to membership in their senior year.

The following members of the graduating class have been elected to membership in Alpha Omega Alpha: Moustafa M. Abou Areda Kristin Lee Bater Lydia Ju-mi Bernhardt **Emily Christine Boozalis** Conisha Tyche Cooper Anna Poray Goddu Brian Andrew Lentz Melissa Margaret Liu Niv Milbar Matthew Tyge Murrill Rachel Pedreira Ross Andrew Pollack Taylor Elise Purvis Margaret Hannah Sundel Matthew Alan Thimm Monica Louise Tung Cristina Viguera Altolaguirre Jaeyun Jane Wang Baltazar Antonio Zavala

Delta Omega National Public Health Honor Society

Delta Omega was founded in 1924 at the Johns Hopkins University School of Hygiene and Public Health (now the Johns Hopkins Bloomberg School of Public Health) to promote excellence and to recognize accomplishments in scholarship and research.

The following members of the graduating class have been elected to Delta Omega: Amit Thomas Abraham Elikplim Horga Akaho Rachel Harris Alinsky Huda Saeed Alshemeili Katherine Christine Anderson Daniel Alejandro Arias Sarah Elizabeth Barkley Albert Alejandro Barrera Alexander Martin Beede Sirisha Bhadriraju Mark C. Bicket Jenna Paige Bluestein Nada Boualam Sarah D. Brumfield Marielle Maibel Tanangco Bugayong Shani Adisa Lorayne Buggs Kira Jo Burkhart Julie Monette Cardwell Joshua Chang Jennifer Chen Matthew Kuok Wei Chin Karamjit Singh Chohan Vladimir Shing Chung Choi Jian Chu Lindsey R. Cohen Emily Claire Cumbie-Drake Arlinda Deng Jenna DiFilippo Chloe Hope Dillaway Shawn Shengjie Du Allen Omid Eghrari Alejandra Ellison-Barnes Kenneth Aaron Feder

Katelin Jo Gray Martha Claire Greene Jeanna E. Hoffman Lucille Ardith Howard Jinhee Hur Irina Alexandra Iles Stephanie Yu-Lin Irwin Tai Connor Izawa Belinda Jivapong Chloe Mayumi Kashiwagi Sungwon Kim Zaina Wangari Kiragu Youjin Lee Jia Yi Joyce Lin Chenery Louise Turtle Lowe Lihan Lu Nicholas J. Luciano Andrew David Marsh Elena Kathryn Martin Garrett Loagan Matlick Miriam Clare McBride Allison Marie McFall Mary Elizabeth Miotto Matthew Tyge Murrill Fahd Naufal Tessa Kimberly Novick Chrystal Nkechinye Okonta Nisha J. Parikh Ihillika Patel Ekta Pravin Paw Elizabeth Kathryn Phelan Yujia Qiao Maia Ramarosandratana Carmen Teresa Ramos Irizarry Joseph Michael Reardon Samantha Hooper Reid Hiroki Sakai Mythili Sanikommu Celina Nicasia Santiago Abeer Afnan Saveed Casey Rice Scott James Paul Senter Neha Shah Berje Haroutuon Shammassian Sonal Sharda Ashley Lauren Sheffel Aki Shiozawa Jessi Erin Silverman Hunter Jackson Smith Larissa Anne Spagnol Silverman Anissa Sherban Sridhar

Edward Sutanto

Staci Leigh Sutermaster

Lokachet Tanasugarn
Jason John Theis
Debra Kirby Thompson
Megan Elise Wall
Jenny Xin Wen
Anne Marie Westin
Madeline M. Woo
Shirley Du Yan
Grace Tian Yi
Haoyu Zhang
Wanying Zhang

Sigma Theta Tau Nu Beta International Honor Society of Nursing

The Nu Beta chapter was established at Johns Hopkins School of Nursing in 1992. The purposes of Sigma Theta Tau are to recognize superior achievement and the development of leadership capabilities, foster high professional standards, encourage creative work, and strengthen commitment to the ideals and purposes of the profession of nursing.

The following doctoral students have been elected to Sigma Theta Tau Nu Beta: Lindsey Meryll Bloom Jamie Lynn Briddell Cindy Darius Marcella Ophelia Hill Bernice Beatrice Horton-Gee Megan Alexandra McAuliffe Yen Ly-Hoang Nguyen Christine L. Rooke Ana Laura Saavedra Lindsay Semler Noelia Yesenia Solis Prasuna Thomas **Janelle Vicens** Christina May Wettengel Victoria Lynn White

The following master's specialty track students have been elected to Sigma Theta Tau Nu Beta: Lesley Stiffler Beavers Tracey Nicole Bradley-Simmons Stephen Michael Campbell
Jeanne Marie Suntay Glass
Maria Isabella Hartley
Ihuoma Rose Iwe
Jenny Vanessa Joseph
Desireé Alexa LaGrappe
Gina Kristine Lee
Delia Jesus Linch
Melissa Sue Paul Muna
Darlene Sue Norton
Sashani Sheena Simpson
Lucy Deford Stewart

The following Master's Entry into Nursing Practice students have been elected to Sigma Theta Tau Braden Christopher Adams Helena Afua-Mansa Addison Mark W. Alger Luella Marie Allen Chioma Sylvia Amenechi Rachel Louise Anderson Vera Nana Hemaa Baidoo Sarah Barry Katherine A. Blackburn Carissa Marie Boire Rachel Ryan Bollens Sarah Rose Bouchard Julia Joan Bozarth Lauren Victoria Brackett Nicole Lynn Brisker Juliana Marie Broussard Jade Crystal Brown Anna Pauline Bryant Layla Heather Budin Kylee Regan Bushway Sarah Amelia Carlisle Lourdes Cassandre Celius Ragan Anne Chizmar Rachael Lynn Chrzan Julia Louise Cohn Jessica Lauren Cooper Justine Nicole Cortez Jenna Christine Cosentino Traci Fanchon Cox Timothy Jon Cullen Lianne Marie Dane Elizabeth Marie Doherty Serena Courtney Dunham Katlyn Thuy Easter Julia Mae Eckert Griselda Estrada

Amy Carol Ezhaya

Sophia Rois Geffen

Grace Isabel Glover

Maximilian Gradel

Kathryn Elizabeth Gerber

^{*}Degree conferred August 24, 2018

^{**}Degree conferred December 28, 2018

Taylor Ciara Fadrowski Briana Whitney Feldman Anne Gillian Freedman Haley T. Freilino Robin Catherine Gagnon Juliet St. John Garlow Rachel Melissa Gillett Shweta K. Gohil Alexa Simone Goldman Amelia Holland Grayson Caitlyn Janelle Green Delia Marie Guthrie Kayla Renee Herne Brittany Simone Herzenberg Caresse Frances Hollendoner Sabrina V. Hudicka Alexia Seileen Irene Huggins Ximena Ruby Ibarra Rebecca Elizabeth Ingber Lindsey Rae Jackson Kathleen Rose Jacobs Jessica Lee Johnson Caryn Kennedy Just Erika Kaneko Lela Spielberg Kanter Allyson Nicole Keslin Nicole Elizabeth Kev Laura Elizabeth King Cindy Jung Mee Koo Jacqueline Marie LaPointe Caren Lauren Legacion Emily Rebekah Lengel Rebekka Yvette Lerma Tikiki Tremice Linston Vania Ludman Amanda Lauren Lutz Brooklyn Lysette Hidalgo Madrid Paige Elliott Martin Katherine C. McNabb Ana Jasmine Medero Elisabeth Marie Mekosh Karuna Mizusaki Kirsty Logan Moriarty Laura Jeanne Moro Sarah Theresa Morris Adam Randall Morrow Maureen Muboh Ndzi Amala Michelle Nechkash Elizabeth Kennedy Nelson Erika Lee Nelson Maura Jane O'Brien Alisa Sulema Ochoa

Katelyn Marie Ogden Christine Martha Abwao Onyango Riley G. Oshiro Yuliya Ostrovskaya Drasti Ajit Patel Kamilah Renee Patterson Katherine Jean Peckler Jodie Catherine Pelusi Hai Anh Pham Piper Elise Phillips Ashley Marie Pires Rachel J. Pittell Kelly Ann Polhemus Uma Rajhbeharrysingh Lauren Elisa Reay Glendys Maria Rodriguez Katherine Calligan Rogers Abigail Marie Ross Abby Lauren Rowlands Katie Ellen Rutter Natasha Sablok Frances Denise Saenz Latanya Nicole Salmon Aspen G. Schindel Cheryl Lauren Schmidt Kristen Michele Seeba Jacqueline M. Selter Liliya A. Semenyuk Sara Elizabeth Senter Maria Singh Melissa Jean Spahr Kathryn Jane Spearman Aaron Joseph Speer Stephanie Brooke Stewart Chelsie Jane Sumner Mary Elizabeth Swanson Jng Lng Tan Taylor Leigh Tims Lauren Catherine Totonis Hsin-Hui Tseng Yuko Ueda-Chang Ruchi Vig Amber Kaur Walia Xiao Wang Kyleen Elizabeth Welsh Anna Grace Wilen Jiaojiao Wright Cuiyun Yu Julie Rose Zingeser

Honor Society for the School of Education

Chi Sigma Iota

Chi Sigma Iota (CSI) is the international honor society of professional counseling. The honor society was established in 1985 through the efforts of leaders in the profession of counseling whose desire was to provide recognition for outstanding achievement, as well as outstanding service, within the profession. The mission of Chi Sigma Iota is to promote scholarship, research, professionalism, leadership, and excellence in counseling, and to recognize high attainment in the pursuit of academic and clinical excellence in the profession of counseling.

The following members of the graduating class are members of Chi Sigma Iota: Neha Aamir Krystyn Ashley Akers Taylor Marie Allie Nasim Ameri Cianaki Kaitlin Aprill Katherine Ardeleanu Daksha Arora Maryam Azari Geneva Gabrielle Banks Lynne A. Battaglia Kelsey Alynn Beach Gabrielle Marget Bittrick Adrienne Boettinger Robin Hooper Bosch Marissa Noelle Bricker Frankie Preston Buchanan Green Hollie Christina Byer Erika Vanessa Cardona Wonju Chang Selvi A. Chellaiah Carrie Jo Cornwell

Adrianna Elizabeth Crouch

Mackenzie Tai Davignon

Veena Datta

Tolibah T. Davis

Lisa H. Davison Connie R. DeFazio Pooja R. Deshpande Ye Ding Xinwei Dong Shivani Prasanna Dongre Mary Ruane Duckett** Rachel Dvoskin Atara Dzikowski Catherine Anne Egan Sai Vamsi Krishna Elaprolu Victoria N. Fayard Erica Ballard Fernandez Caitlin V. Fogle Cara Lynn Franke* Adam Ellis Freidfertig Deborah O. Gbadamosi Jess M. Gorelick **Emily Carson Greenberg** Aida Sophia Gruden Katherine G. Hanna Samantha L. Hetchkop JaAlah-Ai N. Heughan Danielle Marie Hilton* Alyson Hinz Rachel E. Hoffman Meghan J. Holmes Katherine J. Hurley Brittany L. Iacovelli Nidaa Nabil Fares Iskander Kriti Jalan Sonya Jendoubi Tabitha Rose Jermyn Malik Devon Johnson Angel Denise Jones Caroline B. Kelly Sarah E. Klotz Amber Faye Kovach Daniel Timothy Lavelle Bria Levden Shihong Lin David Listhaus Juliana Lofgren Alana M. Martinez Jarren Malcolm Matthews** Margaret E. McCleary** Alysha J. Menkis Timothy L. Mewmaw Jessica Rae Montgomery Nana Aba Aseda Otabil Jamie Lauren Peterhans Jose R. Pozo Tyler S. Puryear

Yuqing Qiu

Naami Resnick Aubrey L. Richardson Lauren Marie Rivers Alexandra Robert Elizabeth Ellis Roesch Elizabeth A. Rowe Emily N. Sander Ashlee Lynn-Ihrie Sapienza Anne Elizabeth Scully Lauren E. Seicke** Minali Sharma Cynthia Marie Silver Keshia L. Smith Arianna M. Stafford* Rishika Syal Mechia Del Rey Sydnor Tyler Alexis Thomas Dominique M. Thornton Alisha Uppal Emily A. Vasseur Evan B. Velleman* Cody J. Vontran Yuqing Wang Shawrn Kimoy Watson Amy Elizabeth Weishampel Kineta Denise Welsh Kaylyn M. Williams Brynne M. Willis Brianna Wilson Angie Kim Wirsing Rami K. Wissa Yuting Yang Haejin Yu Zhuoran Zhang Xiao Ran Zhao

Phi Delta Kappa

Professional association for educators, dedicated to advocate for high-quality, public education around the world.

The following members of the graduating class are members of Phi Delta Kappa:
Felicia M. Jones

Honor Society for the Peabody Conservatory

Pi Kappa Lambda, Epsilon Omicron Chapter

The Pi Kappa Lambda Society was established in 1918 by the Alumni Association of the School of Music at Northwestern University in order to accord particular recognition to students of outstanding musical achievement and academic scholarship. The first member was Peter Christian Lutkin, Dean of the School of Music at Northwestern University. His initials in their Greek equivalents were selected for the name of the Society. Dean Lutkin was issued key number one.

The course of the organization has been one of continuing expansion. Election to membership in Pi Kappa Lambda has been indicative of superior achievement in music, together with the personal qualifications pertaining to an outstanding exponent of the art.

The Society is continually dedicated to the furtherance of music in education and education in music in colleges, universities, and other institutions and is convinced that recognizing and honoring persons who have enhanced their talents by serious, diligent, and intelligent study will stimulate others to do the same.

The following members of the graduating class are:
Matteo Belli
Madelynn Victoria Brightbill
Cameron B. Falby
Jeremy Thomas Hassell
Atticus Jahn Hebson
Henry William Hubbard

Randa Rima Elias Melhem Lisa Perry Sarah Thomas

Honor Society for the Carey Business School

Beta Gamma Sigma

Beta Gamma Sigma is the international honor society serving business programs accredited by The Association to Advance Collegiate Schools of Business International (AACSB). Membership in Beta Gamma Sigma is the highest recognition a business student anywhere in the world can receive in a business program accredited by AACSB International. Carey students in the top 20 percent of their class receive an invitation for membership.

The following candidates of the graduating class are members of Beta Gamma Sigma: Charles David Bollinger Derrick Paul Bransby Scott Henry Butler Andrew Joseph Cary Hongcheng Chen Jiaqi Chen Kai Chen Qiuping Chen Xianglong Chen Xie Chen Wangshu Cheng Yue Cheng Meng-Yu Chiang Wenqi Chu Jane M. Clauson Sam Anthony Colalillo Dongjian Cui Yiwei Ding **Bradley Scott Dion** Erik Carter Engelke Jorge Escalante Benjamin Patton Feder Brian Fellon

Lisa Kathleen Fillingame Madeleine Kay Fink Shan Gao Yi Gao Yunfan Gao Kevin F. Go Daniel Ferguson Goldberg

Thomas Gomboc

Thomas Gomboc Ruxue Gong

Ruxue Gong

Catherine A. Gotwald

Xingyu Gu Wenjun Guo Anupam Gupta Chao Han Xingyu Han Liuxin Hao

Mark Elliott Harris Kevin Herkenham Ryan Paul Hoedebeck WanTing Hsieh

Jiarui Huang Yi Huang Zhuokai Huang Tianyun Ji Jialin Jia Paul Jiang Yiling Jiang

Yinge Jiang Dylan Kent Jones Arisara Kanaprasertkul

Derrick L Karst Ayesha Khalil Dong Woo Kim Pamela Elizabeth Kline Keith Knoblauch

Devanshi Patel Kuchibhatla Rashmi Shivram Kulkarni

Lucia L. La Kathleen S. Lavelle Michael A. Leffer

Xiang Li
Xinyue Li
Yitong Li
Zhe Li
Jing Liang
Fanglu Liu
Fengwu Liu
Kaiyuan Liu
Qian Liu
Shilan Liu
Yaxin Liu
Zhening Liu
Zixuan Liu
Peiyao Lu
Qianwen Lu

Lichenxi Feng

Yue Feng

^{*}Degree conferred August 24, 2018

^{**}Degree conferred December 28, 2018

Cheng Lyu Congyang Ma Lingna Ma Kelly Anne Markham Ashley Fennig Marshall

Xiang Meng Amanda Meyer

Robert J. Mello

Yongwei Mo
Akshay Ashok Monga
Grant Edward Morris
Michael David Natenzon
Itzel Navarrete Hernandez
Michael David O'Neill
Kelli Orndorff
Haoran Pan
Sabrina Ann Payne
David Prasheel Pereira

Christopher D. Posluszny Marc S. Posner Agostino Pozzi Vikas Ramachandran

Caitlin Reilly
Satish Rao Saagi
Timothy Sean Sands
Benjamin Louis Schneider

Elizabeth Kathryn Phelan

Manoj Selvaraj He Shi Donghui Su Keagan M. Tafler Bozhen Tang Limin Tang Jinyu Teng Felix Torres

Ming-hsuan Grace Tsai

Kyle B. Vaughan

William M. Verdecchia

Arjun Vignesh

Laurence Wade

Chuhan Wang

Haiyun Wang

Haoyu Wang

Jiahao Wang

Juntian Wang

Shaoyu Wang

Yunqi Wang

Sean Martin Weathersby

Christopher Lawrence Wilson

Mengni Wu

Mingzhe Wu

Ruobi Wu

Yi Xiong

Shasha Xu

Tianhao Xu

Wenjia Xu Yuanyi Yang Zhou Yang Minqi Yao Siwei Ye Yiwen Ye

Chi Yan Sapphira Yip Luisa Sayuri Yossimi

Shitong Yu Mengjie Zhang Shuo Zhang Xinyan Zhang Yue Zhang Zhuoer Zhao Lin Zheng Shuang Zheng Qin Zhong Mo Zhou Yafeng Zhou

GENERAL UNIVERSITY HONORS

General university honors were determined in April 2019, for students who had achieved a cumulative Johns Hopkins University grade point average of 3.5 or higher. Students earning this honor at the end of spring 2018 semester will have that notation placed on their final transcripts.

The Zanvyl Krieger School of Arts and Sciences

Baccalaureate Candidates Graduating with General Honors

Spencer M. Abrohms James Vincent Aiosa Sinan Akosman Samantha M. Albstein Shahmir H. Ali Eric James Alimena Isabella Lavina Altherr Christina Marie Ambrosino Vyshnavi Anandan Colleen E. Anderson Carolina Inés Andrada Michael A. Anfang Jacob J. Appel Celine Raphaele Arar Caroline Evan Aronin Stavros Atlamazoglou Leena Aurora Gabrielle E. Aversa Claudia Isabel Ayala Rajiv C. Ayyagari Dylan Rose Balter Irene Bantigue Tai Alexanderia Barber-Gumbs Divya Baron Mariana De Pary Baroni Awinita Barpujari Emily A. Bascom Maria Valeria Bautista Rojas Emmanuel A. Bazan-Bergamino

Kiana R. Beckmen

Woudese Mekdese Befikadu

Jenna Michelle Bellantoni Aliza Berger Milena Berhane Abigail Rena Berk Vahni-Vishala Bernard Eric Daniel Bernstein Isaac A. Bernstein Akshay Bhamidipati Pandurang Raj Bharne Sanam Bhatia Darrel Alexander Bibicheff Kenneth-Von Lawrence Blackmon Kayla Janell Blair Joseph C. Boktor Luke J. Bonanni Erik Anders Mathias Bostrom Alexandra E. Botzum Roderick Peter Colyer Bowlby Emma Brennan Anne Elizabeth Britton Hayley Nicole Bronner Erin S. Brush John Connor Bunting Felipe Souza Camelo Ella Louise Cammarato Lauren Elizabeth Campbell Peter Victor Campbell Katherine A. Carosella Youngjae Cha Alyssa Leigh Chalmin Adam Jia-Xiang Chang Audrey Leigh Yongwhei Chang Julia Anne Chang Melissa M. Chang Michael J. Chang Clarissa Chen Hong Yu Chen Yuxi Chen Ziwei Chen Carol Maria Cheney David Seok Ju Cheon Chaim Z. Chernoff Alfred Choon Kit Chin Su Bin Cho Juneyoung Choi Adeeb Chowdhury Michelle Chung Ellie Kimie Clawson Paul Henry Collins Theo Eckler Cooper

Parker A. Cordial

Bridget K. Cross

Jianna Cressy

Sarah Elizabeth Crum Michael Anthony Curry Griffin Cyphers Alisha Dalal Nina M. D'Amiano Eshan Dave Anthony Jeffrey Davidson Margaret M. Dearey Tess Carla DeBerry David N. Delijani Nicole Ashley DeMase Robert Lee Dembinski Stephen R. Dempsey Monica Sophia Diaz-Aguilar Robin M. Dickey Beobgwan Do Hollis Elizabeth Donovan Daisy Duan Grace Y. Duan Anne Meredith Duncan Elizabeth Collamer Duncan Teja Janai Barnes Dupree Nicole Michelle Duran Julia Clare Dursi Madison Elizabeth Dutson Iulia B. Duvall Alexa J. Earls Dominique Alexandre Balthasar Eberhard Lucy Gallagher Eills Collin William English Varun K. Ennamuri Adina Naomi Estrin Marina Boulis Fam Oi Fan Rebecca Zhoujie Fang Ting Fang Michael G. Feder Alexander Ferzola Lucas Sebastian Feuser Octavia-Helena Fitzmaurice Sara Amanda Flamenco Anthony M. Flores Leon A. Frajmund Madison Leigh Frandina Celia M. Freed Casey Ann Haughin Mireille Gabrielle Heidbreder Charlotte Anne Stoney Fulwiler Angel Carolina Gabriel Valeria Hernandez Munoz

Tracy Jin Gao Krysten D. Garcia Michael James Gardner Kathryn Marie Gauch Aleksander Kameron Geske Samantha Nicole Getsin Devina Partha Ghosh Reily Elena Gibson William Tristan Miles Withers Gilliam Ariana Sarah Ginsberg Jonah Raab Giuliano David Michael Glass Samuel A. Goldfarb Harry W. Goldin Samantha Lindsay Goldschmid Elena F. Goldstein Matthias P. Gompers Vanessa Gonzalez George Martin Goodfriend Myranda Brooke Gormley Sachin Govind Anna Gradzka Austin James Granmoe Mica Carmen Green Williams Abigail Victoria Greene Ethan Andrew Greist James Torres Guerra Francys M. Guevara David Gumino Eric Mingxin Guo Amolika Gupta Lydia Habtamu Gutema Stephanie Elizabeth Haenn Omar Amr Hafez Andrew Hahm Noah David Halpern Forrest A. Hammel Maya Alexis Hammonds Samantha Renee Hardy Anuradha V. Haridhas Keerthi Harish Toby Ann Harris Jeremy C. Harrison Ellen Lewis Harty

Please note that some students may not be listed as receiving departmental honors because this program had to go to press before receiving notification from the departments.

Katherine Holobinko Katherine Jae Holzhauer Amy Ayeon Hong

Esther Lauren-Victoria Hong

Hanna Hong Leah Angela Hoover Kristen Sueko Hori Clair Anlee Hsiao Sarah Megan Hsieh

Angela Hu

Rollin Renyan Hu Barry Chengdong Huang Benjamin Jia Huang Brian Huang

Honghan Huang Jim Yen-Chun Huang Nancy Huang

Samuel Sichuan Huang William Alfred Hubsch Stephen Lim Huie Zachary Robert Hyde Joice Hee-Eun Im

Kelsey M. Ishimoto Raman Kumar Ishwar Jeeva Jagabandhu

Mikaela A. Inadomi

Yash Jain

Natalie Grace Japlon

Adil Javat Amos Jeng Weixuan Jia

Adrian Ernesto Jimenez Rayyan Trebonias Jokhai

Vivian Jou

Aamna Aslam Kabani Chetan Satish Kamath Hyunwook Kang Sehwa Nick Kang Sadik Karma Andreas Katsis

Hunter Lechner Kauffman Samantha Joelan Kegel

Zoya Khalil Samavia Khan Jaeran Esther Kim Jieun Kim

Jiyoung Kim Jocelyn Saebom Kim

Kain Kim Mindy Kim

Wonjoong R. Kim Yu Jin Kim Kelsey Hyeri Ko

Anna Sarin Koerner

Eliza M. Koh Haena Kong Divya Korada Akhil Kota Ruchita Kothari Linda K. Krasniewski LeighAnn L. Kulpa Joshua S. Kurtz

Sachin Mathew Kuruvilla Emile-Victor Bruno Isabelle Kuyl

Emily Kwan

Jason Tzu Ming Kwock Charlotte Shin-Yi Kwok Paul Sungjin Kwon Daniel Zachary Landy Pava Marie LaPere Natalia Linda LaSpada Odunmorayo Faridat Lawal

Anysia H. Lee Emma Maelian Lee Jaeyoung Lee Jiyoon Lee Seungshin Lee Wei Hao Lee

Samantha Faye Lemmer Shanna Star Leventhal Eli Mcguire Levine Lance Sun Lew William Herbert Lewis

Guangshen Li Jiuling Li Kai Yu Li Ruoying Li Xiecun Li Xin Ran Li Yun Fei Li Joo Yeon Lim Hyejune Limb Sarah B. Linton Cameron Cole Little Amanda S. Liu Sarah Jingyu Liu Shiyu Liu

Matthew Ian Lodge Rachel M. Long

Arron Alexei Long-Lewis

Alex H. Lopez James Lu Jin Lu

Caroline Elizabeth Lupetini

Skylar H. Luu Monyi W. Lwin Victoria Justine Lyons

Kevin Ma

Nathan Wandutu Magalit

Melissa H. Mai Rubab Fatima Malik Niharika Malviya Osiris Mancera Hannah Noel Manley James Browning Mann Peter Standish Manny

Kush Rajesh Mansuria Nicolas D. Marin Ian Michael Markham

Gurion Lev Marks

Alexandra Sophie Marksteiner Jacqueline Monique Martin

Lindsay A. Martin Emma H. Maxwell Noelle Imani Mayers Cora Elizabeth McCaffrey

Lily McCarthy

Benjamin Luke Mcfadden Andrew Peter McGahren Cullen Michael Mcshane Ioshua Elie Mehr

Namrata Saurabh Mehta

Cameron Tyler Meis Gregory Ryan Melick Margaret Ann Meller Sebastian Mark Mendez Anastasia Alexandra Miller

Iessica Miller-Suchet Christopher Thomas Mitchell

Sofia Maria Mitsotaki Yasin A. Mohamed Aditva A. Mohan Giovanna Eva Molina Isaac Cole Morales Dane Benjamin Morgan Jake Maxwell Morris Natalie G. Moss Branko Mravic Adam J. Munn Colin N. Muraika Dana L. Murray Sankar Muthukumar

Karim Basil Nabi Nakul Narendran Bronte D. Nevins Amy Ai-Minh Nguyen

Cathleen Ha-Vy Nguyen

Phi N. Nguyen

Hien Minh Nguyen Tran Gabriela R. Nisly Chidinma N. Nnadi James Patrick Nosovitch Laura Jeanne Nugent

Meg Obata

Anna-Astrid Barger Oberbrunner

Peace Ogochi Obi Arinze Jason Ochuba Joseph Ian O'Connor-Giles Jayne Katherine O'dwyer Joanne Hearan Oh Sang June Oh

Cory David Ohradzansky

Clement Ojo

Eniolahun Olaoluwa Olakunle

Lily Michelle Olson Morgan Hikaru Ome Michelle O. Ondari Megan Elise Ophel Karl Luther Osterbauer Sage Young Otterson Ashley E. Owens Alejandra Maria Pablos Julia Marie Pacitti Clarissa Nicole Pacyna

Lauren Maurine Kai Fa Padilla

Nicole M. Pagane Supriya Paidemarry Emma Kitano Paine

Christopher Myung-soo Pak Chase Lukas Clavel Palanca

Aisvarya Panakam Erini Diana Papas Eduardo X. Paredes Giho Park

Marian Taeyoung Park Lauren Elizabeth Parker

Daniel Parra

Milan Himanshu Patel Ruchit Viresh Patel Aditya Patibandla AsiaLuna Patlis Jaimie K. Patterson Sara K. Pau Corine Nicole Peifer

Kevin Peng

Sarah Elizabeth Percoski Alejo Manuel Perez-Stable Husni

Brianna Alyssa Persaud Kyla Madison Persky Michael Paul Peters Gianni Roberto Petrozzino

Patricio Pichling

Justine Vanette Pinkerton Sai Lakshmi Priya Pinni Nicholas Michael Piwonka

Ramya Prabhakar

Caroline M. Pribble Haley Skye Province Aaron Joshua Pultman Gopika Punchhi Sabrina Mignon Pyun Wenzer Qin Brenda Maria Quesada Addison Gage Quinones Indu G. Radhakrishnan Gugan Raghuraman Karina Yasmeen Rahaman Sindhu Ramachandra Jaime A. Ramirez Kushi Ranganath Cyrus T. Rastegar Jeremy Ratcliff Andrew J. Ravan Vrshank Subramanian Raviveeraraghavan Oluseye I. Raymond Spiros Alex Reda Rahul Reddy Sarina Faith Redzinski Alyssa Marie Remshak Rebecca Penny Reubenstein Kevin Robert Reyes Cristina Alyssa Ricco Alexandra Ledoux Rice Vanessa N. Richards Danielle Nicole Rigau Alexandra Rittenhouse Joe Fouad Rizkallah Emma E. Rocha Aubrey P. Roland Elliott Deem Ross Tyler Jordan Ross Alexa Rubens Kieren A. Rudge Sofia Margarita Ryan Rodrigo Andres Saad Berreta Ashley Marie Sablich Golddy Milagros Saldana Sami Saniei Anthony William Santaro Aavush Sarkar Ananya Sarkar Laura C. Schelong Laura Ramon Schivartche Rogelio Herberto Trevino Schouten-Hernandez Michael T. Schulte Alexa Schwartz Turner Douglas Schwartz

Jayhyun Seo

Seung Yeon Seo Madhura P. Shah Rishi Yogesh Shah Thaara Sumithra Shankar Celine Heather Shanosky Yue Shao Abigail Bryna Shegelman Juncheng Shen Michael B. Sherman Linyuan Shi Jane Shin Julia Shin Sophie Rose Shoemaker Motunrayo Shonibare Francesca M. Silvestri Dimitri Alexander Simes Christiane M. Simon Shreva Aishwarya Singireddy Jhanavi Sivakumar Ramanan Sivakumar Julia C. Slisz Brielle Montana Smith Eril Jamila Smith Hannah Laurel Smith Lucie Rose Smul William Baldwin Snyder IV Kevin Michael Soellner Jiayi Song Sophia Q. Song Alexandria L. Soto Madeleine Irene Speal Cassidy Michelle Speller Magdalyn Amanda Spitzer Manjari Sriparna Michaela Gabrielle Sten Alec Stepanian Adam Thomas Strickland Sweta Sudhir Kyle Thomas Sullivan Stephanie Amy Summerfield Kristie J. Sun Michael Leo Sun Kabir Singh Suri Alana R. Surowiec Juliann M. Susas Rabia Fatima Syed Sabrina Szu Miyu Tada Lidya Dawit Tadesse Felipe Issamu Takaesu Jessica Y. Tan

Kamil Taneja

Fei Teng

Emily Isabel Tatum

Gianni Thomas Hannah Lee Thorpe Samanta Torres Bertorelli Zachary R. Toussaint Gabrielle Ngoc-lan Tran Liam Michael James Tresnan Alexander K. Tsang Chaney Z. Tse Bianca M. Tu Mi Tu Amanda Michelle Tuchler Sruthi Tummala Delaney M. Ubellacker Sarah Elizabeth Uhranowsky Rachel Lynn Underweiser Madeleine Isioma Uraih Arno Ziggy Uvin Emily Arden Velandia Valerie Vilarino Tamara Ann Villalon Alfred Lewis Vinnett Mayuri Viswanathan Varun Vohra Oscar Murray Volpe Nimish Vyas Eric Gerard Waelbroeck Ionathan D. Wagner Liam Fergus Wall Payton Elizabeth Wall Natalie J. Wallington Charlie Wang Claudia Wang Liang Wang Lynn Hung Wang Pin-Chun Wang Yilin Wang You Wang Zhuolun Wang Rachelle Michelle Wanser Sophia Nicole Way Emma Miriam Hewlett Weinert Lisa T. Weissburg David Wen Serena Maria Luz Wessely Ariana M. White James William Wilcox Kiera Emiko Wolfe Kimberly Wai-Yee Wong Hye Bin Woo Cynthia Yijie Wu Kacie Ashton Wuthrich Yangyiran Xie Della Qiandai Xu Eileen Xu

Wanting Xu Fanghan Yang Jiwon Yang Yae Eun Yang Yatong Yang Jiahong H. Yao Teja Yeramosu Ziyan Ying Lynn Yeolynn Yoon Yasmin Jiesoo Yoon Jonah Mazin Yousif Alexandria Yu Iames Tian Yu Jia Yu Willa Yu Luorongxin Yuan Xintong Yuan Jackson Lewis Zebovitz David Jesse Zeger Emma Zeng Andi Zhang **Emily Zhang** Laetitia X. Zhang Qingwei Zhang Siwen Zhao Xudong Zheng Zhenglong Zhou Julia Beth Zimmerman Marcia Ariel Zimmerman Corina R. Zisman Kimberly Zou

The G.W.C. Whiting School of Engineering

Baccalaureate Candidates Graduating with General Honors

Antoinette Michelle Abate
Emma E. Adams
Diego Alba Burbano
Eren Aldis
Kelvin Alexis Alvarez
Alina Keri Andrews
Santiago Appiani
Punthitra Arpornsuksant
Ganesh C. Arvapalli
Alaleh Azhir
Alexander Yeh Bai
Anna Claire Bailey
Zackary D. Baker
Sarah Elizabeth Banker
Rasha O. Bara

Altarash Barthakur Nolan A. Benner Saksham Bhandari Fatima A. Bouftas Stephen R. Brao Jeffrey A. Braun Edward Cai Ruoqing Cai Yang Cao

Henry Curtis Carpenter
Salvatore Marco Caruso
Matthew A. Chea
Jonathan Ernest Chen
Joseph Peter Chen
Xinnan Chen

Katherine Nadine Lewis Cheney

Emily Cheng Arden Rei Chew Amy S. Chi

Craig Abraham Chikis

Zi-Yi Choo

Elysia Yang Huo Chou Zenny Ted Chu

Justin-James Chan Chua

Christine Chung

Andrew Gerrit Church Jr.

Rory Anne Cole

Maria Demetria Coleman
Alexander Joseph Collins
Nicolas Paul Covone
Jaynie Xiaoping Criscione
Michael John Crockett
Damian Joseph Cross
Louis Brian DeRidder
Jose Carlos Diaz
Austin Matthew Dillow
Adriana Donis Noriega
Alexander Masahiro Doran

Nisita Dutta

Andrew Igor Efimov Karl Friedrich Ehlert Lionel Zachary Eisenberg

Matias Eisler

Sanjay Kumaren Elangovan

Leena H. El-Mufti Christian Gabriel Falgons

Najwa A. Faqih Leirong Feng

Shannon Marie Flanary Brian Andrew Gerber Fogelson

Harrison Bray Folk Paige F. Frank Sofya Freyman

Michael Anthony Gallagher

Ali M. Geisa Huizi Guo Ananya Gupta Abhinav Harish Austin D. Hartman Raymond R. He Xinyi He

Hayden Sullivan Helm Oliver Richard Frost Hickson

Chi-Ying Ho
Evan Chi Fung Hsia
Chun Cheng Hsu
Daniel Huang
Eric Chen Huang
Xinyu Huang
Yujing Huang
Nupur Jain
Andrew K. Jin
Kriti Jindal

Benjamin A. Kaminow Karun Kannan Jon Pierre Karyo Michael L. Kearns Patrick J. Kennedy

Shipra Khatri Kyu Seok Kim Talia M. Kirschbaum Joseph K. Klein Calvin A. Knowlton Can Kocabalkanli Aksel Kohen Kimberly B. Koon Connor John Krill Timothy John Kutcher

Thomas Labarca Cheng-I Lai

Lawrence Michael Langan Jacqueline Francesca Lanzaro

Peter M. Lazorchak Jae Hwan Lee Sarah M. Lee

Allison Debra Lemmer

Jason Lenh Zhou Li

Christopher Tiger Lin John Howard Lin

Yi Lin

Jessica Zexin Liu Darren H. Loh Ming Yang Lu

James Austin Lubowsky Wadia Mahzabeen

Mark Mao

Isabella Martinelli Joy L. McFadden

Madison Emilia McGrath Nathaniel Sean Vinocour

Mckeever Christopher Mejia Tyler J. Messinger Srihari Mohan Momin M. Mohis Patrick E. Myers

Rachmiel Joseph Naness Janani Virinchipuram Narayan Jeyani Virinchipuram Narayan

Rachel Lily Neiman Jack Nudelman Richard Joonyup Oh Neha Onteeru James E. Paek

Rohan Sumedh Panaparambil

Anusha Patel Abigail J. Pearse Kevin C. Peters Austin Paul Petronack Ashish Abhayakumar Phal Solomon Joseph Polansky

Adam C. Polevoy Scott Kamran Pourshalchi

Matthew D. Pressman

Calvin Qian

Sondra Miriam Rahmeh Sumita Kumari Rajpurohit

Sandhya Candace Ramachandran

Samuel Lawrence Randall Lucy Anne Reider

Aidan Joseph Reilly

Zhiyi Ren

Alex H. Rodriguez Dahlia F. Rohm Cole J. Rosenberger Lucia M. Sablich

Nicholas Christian von Sass

Alexis Kayla Scholtz Lillian Hunt Scott Jamie Erin Shade Sahil Kartik Shah Kyle John Shannahan Andrew J. Shaughnessy

Michael Shen

Sabrina Chin-yun Shen Charles Dongwon Shin

Ji Won Shin Michelle Shu Kamran Asad Siddiq Michael Vito Signorelli Zachary N. Silver

Gabriel Francis Blagdon Sinclair

Pragya Singh Nicholas P. Skacel Jarrett A. Smith Nathan C. Smith

Samuel Donald Spetalnick Luce Garlene St. Surin Alexandra Kelly Stephens Gayatri Priya Susarla

Karl A. Tayeb

Giacomo Zavolta Taylor Chanon Thanitcul Rohan Sunit Tilva Benjamin Thomas Toler Arturo Ruben Toro Brandon Thai Tran Linh Thi My Tran

Niki Natalia Tselepidakis Garrett Tyler Ung Craig Vande Stouwe Bijan Kaarlo Varjavand Catharine Ann Wain Tanner T. Walker

Joanna Y. Wang Jonathan Hong Zen Wang

Xiaowei Wang Xuejie Victor Wang Maia Joie Christina Watson Cameron Jamaal White

Jaehyung Woo Daniel Xenes Xenes

Xiao Xie Minwei Xu Justin Xie Yan Mingyu Yang Yanyan Yang

Dominic Gabriel Yared

Jack Peng Ye
Victoria M. Yee
Evelyn Chong-Lin Yeh
Jason Yuefeng Yin
Daniel James Zanko
Brenda Zhang
Peiyong Zhang
Aleck Zhao
Walter Zhao
Kevin Zhu

Nicole Sophia Zinger

The Zanvyl Krieger School of Arts and Sciences

Baccalaureate Candidates Graduating with Departmental Honors

- Tara Abrishami, Applied
 Mathematics and Statistics
 James Vincent Aiosa, English
 Sinan Akosman, Cognitive
- Science
 Shahmir H. Ali, Public Health
- Studies Christina Marie Ambrosino, Neuroscience
- Michael A. Anfang, *History* Celine Arar, *Writing Seminars*
- Caroline Evan Aronin, History of Science, Medicine and Technology
- Gabrielle E. Aversa, *Chemistry*Karissa Michelle-Antoinette
 Avignon, *Public Health*Studies
- Claudia I. Ayala, *Cognitive* Science
- Dylan Rose Balter, *Public Health Studies*
- Matthew Scott Baptist, *Physics*Tai Alexanderia Barber-Gumbs, *Public Health Studies*
- Mariana D. Baroni, *Cognitive Science*
- Mounir Mohammed Baroudi, Cognitive Science
- Awinita Barpujari, *Neuroscience* Emily A. Bascom, *Writing* Seminars
- Maria Valeria Bautista Rojas, Neuroscience
- Kiana R. Beckmen, Writing Seminars
- Lucas J. Bednarek, Writing Seminars
- Vahni-Vishala Bernard, Neuroscience
- Eric D. Bernstein, *Molecular* and Cellular Biology
- Isaac A. Bernstein, Neuroscience Diego Andres Berrios Perez, Earth and Planetary Sciences

- Akshay Bhamidipati, Molecular and Cellular Biology
- Pandurang R. Bharne, Neuroscience
- Joseph C. Boktor, *Molecular* and Cellular Biology
- Luke J. Bonanni, Molecular and Cellular Biology
- Alexandra E. Botzum, International Studies
- Roderick Peter Colyer Bowlby, Political Science
- Hayley Nicole Bronner, Writing Seminars
- Katherine A. Carosella, Neuroscience
- Audrey Leigh Chang, Behavioral Biology
- Julia Anne Chang, Chemistry
- Melissa M. Chang, *Neuroscience* Michael J. Chang, *Molecular*
- and Cellular Biology
 Yuxi Chen, Neuroscience
- Chaim Z. Chernoff, *Molecular* and Cellular Biology
- Sarah L. Choi, *Cognitive Science* Hana Marie Chop, *History*
- Ellie Kimie Clawson,
 Neuroscience
- Theo Eckler Cooper, *Physics*
- Jianna I. Cressy, Neuroscience
- Sarah E. Crum, Writing Seminars
- Alisha M. Dalal, *Neuroscience* Anthony J. Davidson, *Neuroscience*
- Tess Carla DeBerry, *History of*Art
- David N. Delijani, *Cognitive*
- Stephen R. Dempsey, *Physics*, *Mathematics*
- Hollis Elizabeth Donovan,
- English
 Daisy Duan, Biophysics
- Grace Y. Duan, Public Health
 Studies
- Anne Meredith Duncan, Writing Seminars, Humanities
- Teja Janai Barnes Dupree, Writing Seminars
- Kulsoom Durrani, *Public* Health Studies

- Julia B. Duvall, *Neuroscience*Alexa J. Earls, *Behavioral Biology*
- Lucy Gallagher Eills, Writing
 Seminars
- Collin W. English, *Neuroscience* Victor Meneses Evangelista, *Anthropology*
- Marina Boulis Fam, *Cognitive* Science
- Rebecca Zhoujie Fang, Chemistry
- Michael G. Feder, Writing Seminars
- Octavia-Helena Fitzmaurice, Writing Seminars
- Anthony M. Flores, *Physics*, *Applied Mathematics and Statistics*
- Claire Louise Fox, Writing Seminars
- Celia M. Freed, *Spanish* Charlotte Anne Fulwiler,
- Spanish

 Angel Carolina Gabriel, Public

 Health Studies
- Krysten D. Garcia, *Behavioral Biology*
- William Tristan Miles Withers Gilliam, *Neuroscience*
- Ariana Sarah Ginsberg,
 Neuroscience
- David Michael Glass, *Physics*
- Samantha Lindsay Goldschmid, *Chemistry*
- Elena F. Goldstein, *Spanish*
- Matthias P. Gompers, English, Writing Seminars
- Vanessa Gonzalez, Molecular and Cellular Biology, Spanish
- Myranda Brooke Gormley,
 Neuroscience
- Anna Gradzka, *International*Studies
- Austin J. Granmoe, *Physics*, *Applied Mathematics and Statistics*
- Mica Carmen Green Williams, Public Health Studies
- Abigail Victoria Greene, *History* Ethan Andrew Greist, *International Studies*
- Amolika Gupta, Neuroscience

- Stephanie Elizabeth Haenn, Writing Seminars
- Omar Amr Hafez, Neuroscience
- Noah D. Halpern, *Physics* Maya Alexis Hammonds, *Molecular and Cellular*
- Biology Samantha Renee Hardy, Spanish
- Jeremy C. Harrison, *Medicine*, Science and the Humanities
- Casey Ann Haughin, *History of*Art
- Paul R. Henderson, *Molecular* and Cellular Biology
- Valeria Hernandez Munoz, Biophysics
- Katherine Holobinko, French
- Hanna Hong, Molecular and Cellular Biology
- Kristen Sueko Hori, *Molecular* and Cellular Biology
- Teo Icliyurek, *International* Studies
- Kelsey M. Ishimoto, *Physics*, *Writing Seminars*
- Yash Jain, Molecular and Cellular Biology

Chemistry

- Amos Jeng, *Cognitive Science* Rayyan Trebonias Jokhai,
- Aamna A. Kabani, *Public Health* Studies
- Maya D. Kahane, *History of Art* Hyunwook Kang, *Neuroscience*
- Sadik Karma, *Biology*
- Samantha Joelan Kegel, Molecular and Cellular Biology
- Samavia Khan, *Public Health*Studies
- Hyunjun Kim, Molecular and Cellular Biology
- Jieun Kim, Neuroscience
- Kain Kim, English
- Mindy Kim, *Sociology* Wonjoong R. Kim, *Neuroscience*
- Stephanie Lynn Klaskin, Cognitive Science, English
- Anna S. Koerner, *Molecular and*Cellular Biology
- Ruchita Kothari, *Biophysics*Theodore Joseph James
- Theodore Joseph James Kranidas, Writing Seminars

- Linda K. Krasniewski, Molecular and Cellular Biology, Spanish
- Emile-Victor Bruno Isabelle Kuyl, *Neuroscience, French*
- Emily Kwan, Global Environmental Change and Sustainability
- Charlotte Shin-Yi Kwok, Neuroscience, Writing Seminars
- Jaeyoung Lee, Writing Seminars Seungshin Lee, Neuroscience
- Wei Hao Lee, Chemistry
- Woo Young Lee, *Biophysics*
- Alexandra M. Lehman, Environmental Science
- Shanna Star Leventhal, Molecular and Cellular Biology
- Lance Sun Lew, *Biophysics*, *Chemistry*
- Jiuling Li, Cognitive Science
- Xiecun Li, Economics
- Xin Ran Li, Neuroscience
- Sarah Linton, English
- Sarah Jingyu Liu, *English*, *French*
- Rachel M. Long, History
- Nancy Luo, Neuroscience
- Caroline E. Lupetini, International Studies
- Skylar H. Luu, Neuroscience
- Monyi W. Lwin, *Public Health* Studies
- Victoria J. Lyons, English
- Melissa H. Mai, Biophysics
- Nicolas D. Marin, Chemistry
- Jacqueline Monique Martin, Neuroscience
- Lindsay A. Martin, English
- Emma H. Maxwell, *Cognitive Science, Spanish*
- Noelle I. Mayers, *Public Health Studies*
- Margaret Ann Meller, *English*Anastasia A. Miller, *Molecular*and Cellular Biology
- Yasin A. Mohamed, *Chemistry* Giovanna Eva Molina, *Writing*
- Isaac Cole Morales, *Cognitive*Science

Seminars

- Dane B. Morgan, *Cognitive Science*
- Natalie G. Moss, *Neuroscience* Adam J. Munn, *Molecular and*
- Dana L. Murray, *History*

Cellular Biology

- Bronte D. Nevins, *Public Health Studies*
- Amy Ai-Minh Nguyen, *Molecular and Cellular Biology, English*
- Cathleen H. Nguyen, *Molecular* and Cellular Biology
- Phi N. Nguyen, *Chemistry,* Spanish
- Hien Minh Nguyen Tran, Neuroscience
- Chidinma N. Nnadi, Biophysics
- Laura Jeanne Nugent, *Cognitive Science*
- Peace Ogochi Obi, Sociology
- Arinze Jason Ochuba, Neuroscience
- Joseph I. O'Connor-Giles, Writing Seminars
- Jayne Katherine O'dwyer, Writing Seminars
- Joanne Hearan Oh, Writing Seminars, English, Humanities
- Sang June Oh, History
- Morgan H. Ome, Writing Seminars, Italian
- Michelle O. Ondari, *Public Health Studies*
- Michael Ontiveros, *Public Health Studies*
- Karl L. Osterbauer, *Physics*
- Alejandra M. Pablos, *Molecular* and Cellular Biology
- Julia Marie Pacitti, Writing Seminars
- Clarissa Nicole Pacyna, Biophysics, History of Science, Medicine and Technology
- Lauren Maurine Kai Fa Padilla, Writing Seminars, Medicine, Science and the Humanities
- Supriya Paidemarry, Molecular and Cellular Biology
- Emma Kitano Paine, *Economics*Chase Lukas Palanca, *Writing Seminars*

- Aisvarya Panakam, Molecular and Cellular Biology
- Erini Papas, Molecular and Cellular Biology
- Giho Park, Molecular and Cellular Biology
- Marian Taeyoung Park, Molecular and Cellular Biology, History of Science, Medicine and Technology
- Lauren Elizabeth Parker, Molecular and Cellular Biology
- Milan Himanshu Patel, *Biophysics*
- Ruchit V. Patel, *Neuroscience*AsiaLuna Patlis, *Molecular and Cellular Biology*
- Jaimie K. Patterson, Writing
 Seminars
- Sara K. Pau, Spanish
- Meagan M. Peoples, Writing Seminars
- Sarah Elizabeth Percoski, English
- Alejo Manuel Perez-Stable Husni, *History*
- Isabella Jennie Perone, Neuroscience
- Michael Paul Peters, Neuroscience
- Gianni Roberto Petrozzino,
- Neuroscience
 Patricio Pichling, Chemistry
- Joshua L. Postadan,
- International Studies, Sociology
- Ramya Prabhakar, *International* Studies
- Haley S. Province, *Neuroscience*Sabrina Mignon Pyun, *Writing*Seminars
- Wenzer Qin, Physics
- Addison Gage Quinones, Neuroscience
- Gugan Raghuraman, Neuroscience, Spanish
- Kushi Ranganath, *Public Health* Studies
- Cyrus T. Rastegar, *Biophysics* Jeremy Ratcliff, *Molecular and Cellular Biology*
- Spiros A. Reda, Physics

- Rahul Reddy, *Molecular and* Cellular Biology
- Sarina Faith Redzinski, *English*, *Writing Seminars*
- Rebecca Penny Reubenstein, Applied Mathematics and Statistics
- Cristina A. Ricco, Neuroscience
- Alexandra Ledoux Rice, *History*
- Vanessa N. Richards, *English* Juliana Andrea Rico, *Public*
- Health Studies
 Alexandra Grace Rittenhouse,
 Molecular and Cellular
- Biology
 Riley Anne Roberts, Writing
 Seminars
- Sofia Margarita Ryan, *Public Health Studies*
- Ashley Marie Sablich, Neuroscience
- Ananya Sarkar, Neuroscience
- Laura C. Schelong, Writing
 Seminars
- Rogelio Herberto Trevino Schouten-Hernandez, Neuroscience
- Michael T. Schulte, Neuroscience
- Alexa Schwartz, Writing Seminars
- Matthew Bryant Scotti, *Political*Science
- Madhura P. Shah, *Neuroscience*, *Spanish*
- Celine Heather Shanosky, English
- Juncheng Shen, Molecular and Cellular Biology
- Linyuan Shi, Neuroscience
- Sophie R. Shoemaker, Biophysics
- Motunrayo Shonibare, Molecular and Cellular Biology
- Shreya Aishwarya Singireddy, Molecular and Cellular Biology
- Jhanavi Sivakumar, Spanish Ramanan Sivakumar, Molecular and Cellular Biology
- Julia C. Slisz, *Cognitive Science* Hannah L. Smith, *Neuroscience*

- Katerina Elizabeth Smith, International Studies, Sociology
- Lucie R. Smul, Writing Seminars William Baldwin Snyder, Writing Seminars
- Brianna M. So, *International* Studies
- Alexandria L. Soto, Neuroscience
- Cassidy Michelle Speller, *Physics*
- Shelby D. Sprigg, Writing Seminars
- Manjari Sriparna, *Molecular* and Cellular Biology
- Michaela G. Sten, Earth and Planetary Sciences, Global Environmental Change and Sustainability
- Adam Thomas Strickland, *Physics, Chemistry*
- Sweta Sudhir, *Molecular and Cellular Biology*
- Kyle T. Sullivan, Physics
- Stephanie A. Summerfield, Writing Seminars
- Michael L. Sun, Molecular and Cellular Biology
- Alana R. Surowiec, *History*
- Juliann M. Susas, *International* Studies, History
- Jessica Y. Tan, Molecular and Cellular Biology
- Kamil Taneja, *Neuroscience* Fei Teng, *Economics*, *Applied Mathematics and Statistics*
- Hannah Lee Thorpe, Writing Seminars
- Samanta Torres Bertorelli, Neuroscience
- Liam M. Tresnan, Spanish
- Alexander K. Tsang, French Niki Tselepidakis, Spanish
- Rachel Lynn Underweiser,
- Writing Seminars
- Madeleine I. Uraih, Sociology Arno Ziggy Uvin, Neuroscience Lalit Sairam Varada, Physics Emily Arden Velandia, English
- Alfred Lewis Vinnett, Neuroscience

- Mayuri Viswanathan, Neuroscience, Political Science Oscar Murray Volpe, Applied
- Mathematics and Statistics
 Maleka T. Walker, Public Health
- Natalie J. Wallington, Writing Seminars
- Claudia Wang, Writing Seminars

Studies

- Liang Wang, Molecular and Cellular Biology
- Serena Maria Luz Wessely, Chemistry
- Ariana M. White, *Cognitive* Science
- James William Wilcox, *Chemistry*
- Hailey M. Williams, Writing Seminars
- Kiera Emiko Wolfe, Writing Seminars
- Kimberly W. Wong, *Cognitive*Science
- Kacie Ashton Wuthrich, International Studies, East Asian Studies
- Della Qiandai Xu, Global Environmental Change and Sustainability
- Fanghan Yang, Molecular and Cellular Biology
- Jiwon Yang, *Cognitive Science* Jiahong H. Yao, *Sociology*
- Teja Yeramosu, *Chemistry*
- Lynn Y. Yoon, Molecular and Cellular Biology
- Jia Yu, Molecular and Cellular Biology
- Luorongxin Yuan, Molecular and Cellular Biology
- Xintong Yuan, Neuroscience, Cognitive Science
- Emma Zeng, Molecular and Cellular Biology
- Emily Zhang, Behavioral Biology
- Siwen Zhao, East Asian Studies
 Julia B. Zimmerman, History of
 Art
- Marcia A. Zimmerman, Writing Seminars

The G.W.C. Whiting School of Engineering

Baccalaureate Candidates Graduating with Departmental Honors

- Antoinette Michelle Abate, Chemical and Biomolecular Engineering
- Emma E. Adams, *Computer Science*
- Diego Alba Burbano, *Chemical* and *Biomolecular Engineering*
- Anton Alexeevich Alyakin, Computer Science, Applied Mathematics and Statistics
- Alina Andrews, *Biomedical Engineering*
- Santiago Appiani La Rosa, Biomedical Engineering
- Punthitra Arpornsuksant, Biomedical Engineering
- Ganesh C. Arvapalli, *Biomedical Engineering*
- Alaleh Azhir, Biomedical
 Engineering, Computer
 Science, Applied Mathematics
 and Statistics
- Alexander Yeh Bai, *Applied Mathematics and Statistics*
- Anna C. Bailey, *Biomedical Engineering*
- Altarash Barthakur, Chemical and Biomolecular Engineering
- Nolan A. Benner, Biomedical
 Engineering
- Natasha Ismene Bornhorst, Computer Science
- Fatima A. Bouftas, *Biomedical Engineering*
- Stephen R. Brao, Chemical and Biomolecular Engineering, Spanish
- Jeffrey A. Braun, Applied
 Mathematics and Statistics
- Edward Cai, Biomedical Engineering
- Ruoqing Cai, Chemical and Biomolecular Engineering
- Yang Cao, Computer Science
- Salvatore Marco Caruso, Chemical and Biomolecular Engineering

- Oscar Castillo, Computer Science
- Matthew A. Chea, *Electrical Engineering*
- Jonathan Ernest Chen, Chemical and Biomolecular Engineering
- Xinnan Chen, Computer Science
 Katherine Nadine Lewis
 Cheney, Computer Science
- Emily Cheng, Computer Science
- Arden Rei Chew, *Biomedical Engineering*
- Amy S. Chi, Mechanical Engineering
- Craig A. Chikis, *Chemical and Biomolecular Engineering*
- Zi-Yi Choo, Biomedical Engineering
- Elysia Yang Huo Chou,

 Biomedical Engineering
- Zenny Ted Chu, Biomedical Engineering
- Mark Evan Ciccaglione, Chemical and Biomolecular Engineering
- Maria Demetria Coleman, Engineering Mechanics
- Alexander Joseph Collins, Spanish
- Nicolas P. Covone, *Mechanical Engineering*
- Michael J. Crockett, *Biomedical Engineering*
- Damian Joseph Cross, Mechanical Engineering
- Louis Brian DeRidder, Chemical and Biomolecular Engineering
- Austin Matthew Dillow, Mechanical Engineering
- Adriana Donis Noriega, Computer Science
- Alexander M. Doran,

 Mechanical Engineering
- Andrew Igor Efimov, Biomedical Engineering
- Karl Friedrich Ehlert, Civil Engineering
- Lionel Zachary Eisenberg, Computer Science
- Sanjay K. Elangovan, Biomedical Engineering

- Leena H. El-Mufti, Chemical and Biomolecular Engineering
- James Liang Fang, Chemical and Biomolecular Engineering
- Najwa A. Faqih, *Biomedical Engineering*
- Shannon Marie Flanary, Chemical and Biomolecular Engineering
- Brian Andrew Gerber Fogelson, Electrical Engineering, Computer Engineering
- Harrison Bray Folk, *Civil Engineering*
- Paige F. Frank, Biomedical Engineering, Computer Science
- Sofya Freyman, Computer Science
- Michael Anthony Gallagher, Applied Mathematics and Statistics
- Elysia Gao, Chemical and Biomolecular Engineering
- Ali M. Geisa, Applied

 Mathematics and Statistics
- Shravya R. Gogula, *Biomedical Engineering*
- Charles Philip Gulian, Applied
 Mathematics and Statistics
- Huizi Guo, Biomedical Engineering
- Ananya Gupta, Biomedical Engineering
- Oliver F. Hammond, Computer Science, Applied Mathematics and Statistics
- Abhinav Harish, Biomedical Engineering
- Austin D. Hartman, Biomedical Engineering
- Raymond R. He, *Environmental Engineering*
- Xinyi He, Computer Engineering Hayden Sullivan Helm, Applied Mathematics and Statistics
- Oliver Richard Frost Hickson, Chemical and Biomolecular Engineering
- Chi-Ying Ho, Chemical and Biomolecular Engineering
- Chun Cheng Hsu, Mechanical Engineering

- Jingfeng Hu, Computer Science, Cognitive Science
- Daniel Huang, Biomedical Engineering
- Eric C. Huang, Biomedical Engineering
- Xinyu Huang, Computer Science Yujing Huang, Applied
- Mathematics and Statistics
- Nupur Jain, Chemical and Biomolecular Engineering
- Peter Y. Ji, Chemical and Biomolecular Engineering
- Andrew K. Jin, Biomedical Engineering
- Kriti Jindal, Biomedical Engineering
- Yoon Ki Joo, Chemical and Biomolecular Engineering
- Benjamin A. Kaminow, Chemical and Biomolecular Engineering
- Karun Kannan, Biomedical Engineering
- Prasiddha Karki, *Computer Science*
- Jon Pierre Karyo, Computer Science
- Michael L. Kearns, *Civil Engineering*
- Shipra Khatri, Biomedical Engineering
- Anthony Sunghoon Kim, Computer Science
- Talia M. Kirschbaum,

 Biomedical Engineering
- Calvin Alexander Knowlton, Computer Science
- Can Kocabalkanli, Mechanical Engineering
- Felicia Koerner, *Computer Science*
- Kimberly B. Koon, Environmental Engineering
- Timothy John Kutcher, Computer Science
- Cheng-I Lai, Electrical Engineering
- Lawrence Michael Langan, Materials Science and Engineering
- Jacqueline F. Lanzaro,

 Biomedical Engineering

- Peter M. Lazorchak, Chemical and Biomolecular Engineering, Computer Science
- Jae H. Lee, Biomedical Engineering
- Sarah M. Lee, *Biomedical Engineering*
- Allison Debra Lemmer, Biomedical Engineering
- Bryan P. Li, Computer Engineering
- Zhou Li, Biomedical Engineering Christopher Tiger Lin, Chemical and Biomolecular Engineering
- John Howard Lin, *Biomedical Engineering*, *Mathematics*
- Tianyi Lin, Computer Science, Mathematics
- Yi Lin, Computer Science, Mathematics
- Patrick C. Little, *Cognitive Science*
- Jessica Zexin Liu, Biomedical Engineering
- Yang Liu, Spanish
- Darren H. Loh, Chemical and Biomolecular Engineering
- Ming Yang Lu, Biomedical Engineering, Applied Mathematics and Statistics
- James Austin Lubowsky, Chemical and Biomolecular Engineering
- Wadia Mahzabeen, Chemical and Biomolecular Engineering
- Mark Mao, Chemical and
 Biomolecular Engineering
- Isabella Martinelli, Biomedical Engineering
- Joy L. McFadden, Environmental Engineering
- Elizabeth G. McGonagle, Chemical and Biomolecular Engineering
- Christopher Mejia, *Biomedical Engineering*
- Srihari Mohan, Computer Science
- Momin M. Mohis, *Biomedical Engineering*
- Patrick E. Myers, *Biomedical Engineering*

- Rachmiel J. Naness, *Computer Science*
- Janani Virinchipuram Narayan, Chemical and Biomolecular Engineering
- Jeyani V. Narayan, Chemical and Biomolecular Engineering
- Rachel L. Neiman, Civil Engineering
- Jack Nudelman, Computer Science
- Richard J. Oh, *Chemical and Biomolecular Engineering*
- Shih-Hao Ou, Chemical and Biomolecular Engineering
- James E. Paek, *Applied Mathematics and Statistics*
- Rohan Sumedh Panaparambil, Biomedical Engineering
- Mateo Paredes Sepulveda, Computer Science
- Bailey Gordon Himes Parker, Computer Science
- Anusha Patel, Chemical and Biomolecular Engineering
- Abigail J. Pearse, Environmental Engineering
- Kevin C. Peters, *Mechanical Engineering*
- Austin P. Petronack, *Biomedical Engineering*
- Ashish Abhayakumar Phal, Chemical and Biomolecular Engineering
- Solomon Joseph Polansky, Mechanical Engineering
- Adam C. Polevoy, *Biomedical Engineering*
- Scott Kamran Pourshalchi, Mechanical Engineering
- Matthew David Pressman, Chemical and Biomolecular Engineering
- Calvin Qian, Biomedical Engineering
- Sondra Miriam Rahmeh, Biomedical Engineering
- Sumita Kumari Rajpurohit, *Mechanical Engineering*, *French*
- Sandhya Candace Ramachandran, *Biomedical Engineering*

- Samuel Lawrence Randall, Applied Mathematics and Statistics
- Lucy Anne Reider, *Mechanical Engineering*
- Aidan Joseph Reilly, Computer Science, Physics
- Zhiyi Ren, Mechanical Engineering, Physics
- Alex H. Rodriguez, *Applied Mathematics and Statistics*
- Dahlia F. Rohm, *Biomedical Engineering*
- Cole J. Rosenberger
 Environmental Engineering
- Lucia M. Sablich, Chemical and Biomolecular Engineering
- Jacob Matthew Sager, *Electrical Engineering*
- Nicholas C. Sass, *Biomedical Engineering*
- Alexis Kayla Scholtz, *Biomedical Engineering*
- Jamie Erin Shade, *Biomedical Engineering*
- Sahil Kartik Shah, Computer Engineering
- Andrew J. Shaughnessy, Mechanical Engineering
- Sabrina C. Shen, *Materials*Science and Engineering
- Ji Won Shin, Computer Science, Applied Mathematics and Statistics
- Michelle Shu, Applied

 Mathematics and Statistics,

 Computer Science
- Kamran Asad Siddiq, Biomedical Engineering
- Michael V. Signorelli, Biomedical Engineering, Electrical Engineering
- Zachary N. Silver, *Computer Science*
- Gabriel Francis Blagdon Sinclair, *Chemical and* Biomolecular Engineering
- Pragya Singh, Chemical and Biomolecular Engineering
- Nicholas P. Skacel, *Computer Engineering*
- Jarrett A. Smith, *Chemical and Biomolecular Engineering*

- Nathan C. Smith, *Materials* Science and Engineering
- Ziang Song, *Cognitive Science* Samuel Donald Spetalnick,
- Electrical Engineering, Computer Engineering
- Alexandra Kelly Stephens,

 Applied Mathematics and
 Statistics
- Gayatri P. Susarla, *Computer* Science
- Matthew Ryan Sy Tan, Chemical and Biomolecular Engineering
- Karl A. Tayeb, Applied

 Mathematics and Statistics,

 Mathematics
- Giacomo Zavolta Taylor, Computer Science
- Chanon Thanitcul, Biomedical Engineering, Applied Mathematics and Statistics
- Rohan Sunit Tilva, Computer Science
- Benjamin Thomas Toler, Chemical and Biomolecular Engineering
- Arturo R. Toro, Chemical and Biomolecular Engineering
- Brandon Thai Tran, *Electrical Engineering*
- Linh Thi My Tran, Biomedical Engineering, Applied Mathematics and Statistics
- Niki Natalia Tselepidakis, Biomedical Engineering, Spanish
- Garrett T. Ung, Mechanical Engineering
- Catharine A. Wain, Chemical and Biomolecular Engineering
- Joanna Y. Wang, Chemical and Biomolecular Engineering
- Jonathan Hong Zen Wang, Computer Science
- Kevin Wang, Environmental Engineering
- Xuejie Victor Wang, Biomedical Engineering
- Maia Joie Christina Watson, Environmental Engineering
- Elaine S. Wong, Computer Science, Writing Seminars
- Jaehyung Woo, *Cognitive* Science

- Daniel Xenes, Chemical and Biomolecular Engineering
- Xiao Xie, Applied Mathematics and Statistics
- Minwei Xu, Computer Science
- Justin Xie Yan, Biomedical Engineering
- Mingyu Yang, Materials Science and Engineering, Cognitive Science
- Dominic Gabriel Yared, Mechanical Engineering
- Jack Peng Ye, Biomedical Engineering
- Victoria M. Yee, *Environmental Engineering*
- Evelyn C. Yeh, *Biomedical* Engineering
- Jason Yuefeng Yin, Computer
- Daniel James Zanko, *Mechanical Engineering*
- Brenda Zhang, Computer Science
- Peiyong Zhang, Computer Science
- Aleck Zhao, Applied

 Mathematics and Statistics,

 Mathematics
- Walter Zhao, Biomedical Engineering
- Kevin Zhu, Biomedical Engineering
- Nicole Sophia Zinger, Biomedical Engineering

Candidates for Degrees in Order of Presentation

The appearance of a name in this section of the program is not considered conclusive evidence of graduation, nor is the omission of a name evidence that a degree was not awarded.

THE SCHOOL OF EDUCATION

Doctors of Education

- Rabiah Khalil Abdullah,

 Teacher Development. Literacy
 in the Lives of FormerlyIncarcerated African
 American Young Men: A
 Phenomenological Study.
- Américo Nobre Gonçalves Ferreira Amorim, *Education*. The Use of Digital Games by Kindergarten Students to Enhance Early Literacy Skills.*
- Jennifer Ann Asmonga,

 Education. The Space
 Between: Using Inquiry
 Teams to Encourage
 Multilevel Boundary
 Crossing Between
 Educational Research and
 Practice.
- Kristin Hopkins Barbour, Education. Improving Educational Therapists' Knowledge, Efficacy, and Practices Related to Developing Students' Growth Mindsets.
- Tricia Shupe Beck, Education.
 Literacy Coaching as
 Professional Development
 to Support Self-Efficacy,
 Knowledge, and Use of
 Literacy Practices for
 English Teachers with an
 Increasingly Diverse Student
 Population.
- Kaycee Jasmyn Brock,

 Education. College Fit
 for Me: An Early College
 Access Workshop Series
 for Ninth-Grade Black and
 Latino Males.

- Marissa Alexandra Bulger, Education. Supporting Female Adolescent Social and Emotional Health through a Reading Intervention.**
- Robert William Dodd,

 Education. Impacts of Semi
 Self-Centered Learning
 Communities in Grade 6
 on Students' Engagement,
 Achievement, and Perceptions of the Classroom
 Environment: An Evaluation
 of Project Success.**
- Sara W. Donaldson, *Education*.

 A Mixed Methods Study of
 Critical Colleagueship as
 Sustainable Support for
 Elementary Mathematics
 Educators.*
- Brenda L. Eagan-Johnson,

 Education. Return to Learn
 Concussion Management
 Teams: Investigating School
 Staff Knowledge, Beliefs,
 and the Fidelity of Protocol
 Implementation.
- Izora M. Everson, *Education*.

 Implementation of Blended
 Learning Following a
 Yearlong Professional
 Development Program:
 A Descriptive Case Study.
- Kyle S. Fahsel, *Education*. Live Coaching, Teacher Efficacy, and Teacher Retention: A Study of a Live Coaching Pilot Program at an Urban Charter School.
- Katchia Joyner Gethers, Education. Transforming the Leadership Practices of School Principals Using a Blended Leadership Model.**
- Michelle M. Gosh, *Education*. Student Belonging and Self-Beliefs.
- Daniel Green, *Education*.

 Fostering Teacher Innovative
 Behavior Through Design
 Thinking.*

- Jennifer G. Harris, *Education*.
 Supporting High School
 Co-Teachers Through a
 Professional Learning
 Community.
- Hannah K. Hoilett-Frierson, Education. The Effect of Professional Development on Teachers' Technology Use in a Rural Setting.**
- Beth R. Holland, *Education*.

 Communication Between
 Public School Leaders to
 Support Systemic Innovation
 of Classroom Practice.*
- John E. Howard, Education.
 Educational Moneyball:
 Principals' Decision
 Making in the Screening
 and Selection of Effective
 Teachers.**
- Felicia M. Jones, Education.

 Bedtime in a Box: A Worthy
 Parent Intervention
 to Address the School
 Readiness of Preschoolers
 Residing in an Urban
 Community.*
- Jennifer A. Lamia, Education.
 Video Self-Reflection
 and e-Mentoring to
 Support Proficiency in a
 High-Performing School
 District.*
- Mariana E. Leon, *Education*. An Intervention in Transformational Leadership to Improve the Behavior and Attributes of Faculty Supervisors in Private Universities in Panama.
- Peling Li, *Education*.

 Instructional Coaching to
 Support General Education
 Teachers' Self-Efficacy in
 Teaching Dually Identified
 Students.
- Todd H. Marshburn, Education.
 Developing Non-technical
 Aircraft Automation
 Management Skills: First
 Steps in an Organizational
 Intervention.

- Diane O'Connor Martin, Education. A Cycle of Self-regulation to Decrease Avoidance Behaviors in Middle School Males.*
- Paul Daniel Miller, Education.
 School Leaders' Engagement
 and Its Association with
 Schoolwide Supports
 and Program Fidelity:
 A Secondary Analysis of
 Powerteaching Math.**
- Sharon T. Mistretta, *Education*. Understanding Genderbased Attitudes in Stem Environments.
- Kristen C. Moore, *Education*. The Retention of Black and Latino Teachers in an Urban School Context.**
- Margaret Victoria Cameron
 Murphy, Education.
 Active Engagement in a
 Professional Learning
 Community to Influence
 Teacher Competency and
 Self-Efficacy Toward Media
 Literacy Instruction.
- Veena Radhakrishnan,
 Education. A Role Analysis
 Exercise to Minimize Role
 Ambiguity and Promote
 Role Clarity in Instructional
 Design Teams.**
- Rena Lee Robey, *Education*.
 Online Community of
 Practice as a Vehicle to
 Enhance Faculty Knowledge.
- Briauna Knott Scott, Education.
 Using Classroom-level
 Positive Behavior Intervention Supports in High
 School Science Classes.*
- Rachna Shah, Education.
 Fostering Constructivist
 Teaching Beliefs in
 English Language
 Classrooms Through
 the Implementation
 of Participant-driven
 Workshops, Professional
 Learning Communities, and
 Coaching Facilities Within

- a Professional Development Structure in India.*
- Tin-Wei Sheu, Education.

 Building Middle School

 Teachers' Efficacy and

 Expertise in Writing

 Instruction Within an

 International School Setting.
- Andrew James Smith,

 Education. End-Users'

 Experiences with Ed-tech

 Procurement Practices.
- Tiveeda Jerusha Stovall,

 Education. A Qualitative
 Examination on the Effects
 of Youth Participatory Action
 Research to Engage Black,
 First Nation, and Latinx
 Students: "We Have Nothing
 to Lose But Our Chains."
- Carmen Isabel Strigel,

 Education. Improving
 Inclusive Instruction with
 Assistive Technology in
 Ethiopia and Exploring
 Intervention Replicability.
- May Lyn Tan, Education.
 Supporting Adjunct Faculty
 in Student-centered
 Instruction: A Comparison
 of Two Mobile Learning
 Professional Development
 Approaches.**
- Amanda Sue Thorpe, *Education*.

 A Data Review of an Intervention to Address Racial
 Disciplinary Disproportionality at a Midsize, Suburban
 High School.
- Remy L. Washington,

 Education. A Mixed Methods

 Evaluation of Virtual

 Teacher Collaboration to

 Address Teacher Attrition in

 Charter Schools.
- Allie S. Watkins IV, Education.
 Examining the Impact of
 Professional Development
 and Instructional Coaching
 on Special Education
 Teachers' Mathematics
 Knowledge for Teaching
 and Mathematics Teaching
 Efficacy.

- Elana Jaffe Weissman,

 Education. The Influence
 of Autonomy-Supportive,
 Student-Centered Teaching
 on Student Engagement: A
 Mixed-Methods Study.
- Siamack Zahedi, Education.
 Professional Learning
 Communities and Teacher
 Quality in Special Needs
 School in India: A Case
 Study.*
- Justin Ross Shane Zephyrine, *Education*. A Systematic Approach to Faculty's Blended Course Design.

THE SCHOOL OF EDUCATION

Doctors of Philosophy

- Ean A. Fonseca, *Education*.

 Peeling Back the Layers
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- Daniel Princiotta, *Education*. Understanding the Great U.S. High School Graduation Rate Rise: 1998–2010.
- Daniel T. Shackelford,

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Jin-Hwa Choi, Composition John Isaac Greene, Guitar Zachary Gulaboff Davis, Composition Charles John Tim Holt IV, Composition Iris Hsu, Piano Da-Hee Kim, Piano Min Sang Kim, Voice Kimberly Kong, Piano Paula Gail Maust, Harpsichord Sun-Young Park, Composition Robert Joel Pippin, Wind Conducting Mauricio Rey Gallego, Violoncello Meng-Sheng Shen, Piano

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- Iquo N. Andrews-Cooper.
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- Stephanie Anne Byrd. Sudden Sensorineural Hearing Loss Guidelines: Assessing Knowledge among Primary Care Providers to Improve Patient Outcomes.
- Evi Angela Dallman. Antibiotic Stewardship in Pediatric Primary Care.
- Barbara Nicole Davis.

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- Julie M. Donahue. Targeted Postpartum Breastfeeding Intervention to Improve

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- Darryn W. Dunbar. Reducing Emergency Department Length of Stay for Patients Requiring Admission to the Intensive Care Unit.
- Suzanne Michelle Dutton.

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- Ashleigh SheRon Epps.
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- Ashley Lauren Fenton. A
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- Nadine Fioan Henry-Thomas.

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- Jocelyn Nicole Kirk. Discharge Readiness Screening and Postpartum Follow-Up for Well Newborns to Reduce Early Hospital Readmission.
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- Irina Koyfman. Student Nurses as Intervention Advocates:
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- Meghan Elise Lopez. Setting up for Success: Supporting Positive Parenting Interventions for Caregivers Impacted by Violence.
- Priya Ami Meyer. Evidence-Based Audit and Feedback to Sustain Highly Reliable Nurse Leader Rounds.
- Danielle Marie Raja. Improving Adherence and Satisfaction with the iPLEDGE Program.
- Nancy Gentry Russell.
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- Cynthia Divens Sweeney. Improving a Program of Meaningful Recognition

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- Jannelle Vicens. The Vicens Palliative Care Initiative.
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- Reiko Asano. Breathlessness in Chronic Heart Failure.
- Jenna Ashly Levenson Brager.
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- Rebecca Rothenberg Safley Clark. Oxytocin Use and Its Association with Postpartum Hemorrhage and Primary Cesarean Section in the U.S.*
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- Karen Trister Grace. Correlates of Reproductive Coercion and Strategies to Minimize Harm among Latina Women.

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Elizabeth Jane Alexander,
Biochemistry and Molecular
Biology. Quality Control
Under Stress: Ubiquilin 2
Bridges Protein and RNA
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- Omamah A. Alfarisi,

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- Antonio M. Quispe,
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Christina Vivelo, *Biochemistry*and Molecular Biology.
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Landon Gerhardt vom Steeg,
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Kiley Frances Hunkler Alex Jang Zachary Mason Janik Daniel Matthew Kerekes Rachel Christine Kim Aparna Krishnan Valerie Ann Larson Melissa Jane Lavoie Brian Andrew Lentz Abigail Lin Sophie Zhirong Lin Melissa Margaret Liu Zhen Arthur Lu Nicole Lunardi Nicholas Mai Diana Brosten Mannschreck Chih-Ping Mao Rouzbeh Mashayekhi Paul Jonathan Michel Niv Milbar Leah Jennifer Mische Matthew Robert Murray Matthew Tyge Murrill Leila Sarvenaz Musavi Archana Jayasurya Nelliot Neil Montgomery Neumann Anh Quynh Nguyen Stephen Maina Njau Maeva Size Nyandjo Benjamin Tyler Ostrander Sandeep Palepu Alexander Samuel Pasciak Kathryn Reeves Pearson Rachel Pedreira Rachael Anastasia Pellegrino Jennifer Blair Plotkin Ross Andrew Pollack Joshua Joseph Prudent Elisabet Pujadas **Taylor Elise Purvis** Mohamud Ahmed Qadi Joshua Ra Julia Victoria Ramos Divya Rayapati Zachary Paul Reilly Julia Suzanne Retzky Sheryl-vi Ramos Rico Davis Lane Rogers John Ryan Megan Lauren Salter Ashlie Sewdass Colleen Moran Shannon Brendan Yuxiao Shi Marc Fong Shi

Christine Lee Shrock Maya Erica Siegel Ayodeji Emmanuel Sotimehin Damian Stobierski Margaret Hannah Sundel Stephanie Felicia Sweitzer Eva Paige Szymanski Matthew Alan Thimm Emilia Galli Thurber Monica Louise Tung Elizabeth Kimberly Uhlig Mohammad Farooq Usmani Sharif Vakili Sanskriti Varma Marija Vasiljevic Judith Bina Vick Cristina Viguera Altolaguirre Jaeyun Jane Wang Jane Wang Eric Gregory Weaver Carson Fairfield Woodbury Matthew Curtis Woods Yuanxuan Xia Jenny Jin Yan Baltazar Antonio Zavala

THE SCHOOL OF MEDICINE

Doctors of Philosophy

Emily Adney, *Human Genetics*.
Comprehensive Scanning
Mutagenesis of a Human
Retrotransposon Identifies
Motifs Essential for
Function.

Amer M. Al-khouja,

Pharmacology and Molecular
Sciences. Development of
Prodrug Approaches for
Long-Acting Injectable
Nanoformulations of
Emtricitabine-Based
Regimens.**

Pornpat Athamanolap,
Biomedical Engineering.
Development of Streamlined
Platform for Bacterial
Identification and Antibiotic
Susceptibility Testing.

Haley Dara Axelrod, *Cellular* and *Molecular Medicine*. The Role of AXL in Prostate Cancer Dormancy.** Travis Austin Babola,

Neuroscience. Cochlear

Purinergic Receptors

Contribute to in vivo

Spontaneous Activity in the

Developing Auditory System.

John Austin Belcher, Program in Molecular Biophysics. Computational and Experimental Studies of Glutamate Receptor Ligand Binding Domains.**

Drew Tyler Bell, *Pathobiology*. The Putative L,D-Transpeptidases of *Pseudomonas* aeruginosa.

Peter Joseph Boutros,
Biomedical Engineering.
Continuous Restoration of
the Human Vestibulo-Ocular
Reflex Using a Multichannel
Vestibular Implant.

Caitlyn Elizabeth Bowman,
Biochemistry, Cellular and
Molecular Biology Training
Program-Biological Chemistry.
Mitochondrial Oxidative
Metabolism Regulates
Maternal-Fetal Metabolic
Communication.**

Mary Loring Burgess,

Functional Anatomy and

Evolution. Ontogenetic

Changes in Limb Bone

Structural Properties and

Locomotor Behavior In Pan.**

Berry Camille Button, Cellular and Molecular Medicine. Characterization of the Estrogen Receptor-Alpha S118P Variant in Breast Cancer.**

Leah Sinclair Cairns,
Biochemistry, Cellular and
Molecular Biology Training
Program–Biophysics and
Biophysical Chemistry.
Biophysical Characterization
of Drosophila Hippo Pathway
SARAH Domains.

Elizabeth Calzada,

Biochemistry, Cellular and

Molecular Biology Training

Program—Physiology.

Cellular and Biochemical

Characterization of Mitochondrial Phosphatidylethanolamine Metabolism.**

Maria Augusta Carrera Haro,

Molecular Biology and

Genetics-Program in

Immunology. Immune

Checkpoints as Gatekeepers

of CD8⁺ T Cell Differentiation.

Kimberly Loretta Chan, Biomedical Engineering. Accelerating Edited Magnetic Resonance Spectroscopy and Spectroscopic Imaging of the Human Brain at 3T.

Anna Jui Fang Chang,
Neuroscience. Distinct
Microcircuits in the Dorsal
Raphe to Ventral Tegmental
Area Projection Pathway.

Pooja Pradip Chaudhari, Cellular and Molecular Medicine. Modeling Hepatobiliary Development Using Human Induced Pluripotent Stem Cells.**

Brian James Christmas,

Molecular Biology and
Genetics-Program in
Immunology. Epigenetic
Reprogramming of MyeloidDerived Suppressor Cells
Sensitizes Breast and
Pancreatic Cancers to
Immune Checkpoint
Inhibition.

Eric Ka On Chu, *Biomedical Engineering*. Environmental Effects on Bacterial Communication and Communal Behavior.

Terri Lynn Clister,

Biochemistry, Cellular and

Molecular Biology Training

Program-Pharmacology and

Molecular Sciences. Spatial

Compartmentalization of

cAMP/PKA Signaling:

Nanodomains in the

Nucleus and Beyond.**

Rachael Lauren Cohen,

Cellular and Molecular

Medicine. Determining the

^{*}Degree conferred August 24, 2018

^{**}Degree conferred December 28, 2018

- Regulation and Expression of Murine (Ptch53) and its Contribution to the Innate Immune Response to Influenza A Infection.
- Karen Christie Cravero,

 Cellular and Molecular

 Medicine. Characterizing
 (NOTCH1) PEST Domain

 Mutations in Triple Negative
 Breast Cancer.
- Tyler Jones Creamer, *Human Genetics*. The Effect of
 miR-29 and TGFB on
 Fibrosis.**
- Jevon Cutler, Human Genetics.
 Dissecting BCR-ABL Variant
 Signaling Pathways Using
 Novel Interactome
 Identification Strategies.**
- Mateusz Dobrowolski,

 Biochemistry, Cellular and

 Molecular Biology Training

 Program–Neuroscience. GDE3

 Function in Oligodendrocyte

 Precursor Cell Proliferation.
- Aneesh Nitin Donde,
 Neuroscience. Splicing
 Repression is a Major
 Function of TDP-43 in
 Motor Neurons: Therapeutic
 Implications for Amyotrophic Lateral Sclerosis.**
- Ashimiyu Babatunde
 Durojaiye, Health Sciences
 Informatics. A Novel
 Approach for the
 Investigation of Multidisciplinary Collaboration
 Using Social Network
 Analysis on Electronic
 Health Record Data.**
- Heather Jacobs Faust, Cellular and Molecular Medicine. Approaches in Osteoarthritis Therapy: From Biomaterials to Immunology.**
- Travis Ewart Faust,
 Neuroscience. Novel
 Mechanisms of Aldehyde
 Dehydrogenase 7 Family
 Member A1 (ALDH7A1) in
 the Brain: Astrocytes,
 Excitatory-Inhibitory
 Balance, and Behaviors.**

- Christopher Fletez-Brant, *Human Genetics.* Methods for the Analysis of High Throughput Sequencing Data.**
- Francis Kusi Fordjour, Biological Chemistry. New Insights into Exosome Biogenesis.
- Ellen Elise Irwin Fricano,
 Functional Anatomy and
 Evolution. The Primate
 Ectotympanic Tube:
 Correlates of Structure,
 Function, and Development.
- Hugh Giovinazzo,

 Pharmacology and Molecular
 Sciences. Novel Inhibitors of
 the Epigenetic Reader
 Proteins MBD2 and
 UHRF1.**
- Leah Joy Greenspan,
 Biochemistry, Cellular and
 Molecular Biology Training
 Program—Cell Biology.
 Regulation of Niche Cell
 Plasticity in the Drosophila
 Testis.**
- Jonathan Cory Grima, Neuroscience. The Nuclear Pore Hypothesis of Neurodegeneration.
- Victoria Lea Halperin Kuhns, Cellular and Molecular Physiology. Discovering Novel Genes Expressed in the Renal Cortex in Both Health and Disease.**
- Sangwoo Theodore Han, Human Genetics. Using Cellular Models to Inform Diagnoses and Predict Therapeutic Responses of Individuals with Cystic Fibrosis.**
- Dawn Hayward, Biochemistry,
 Cellular and Molecular
 Biology Training Program—
 Physiology. ANKRD9 is a
 Metabolically-Controlled
 Regulator of IMPDH2
 Abundance and MacroAssembly.
- John Wirthlin Hickey, Biomedical Engineering.

- Engineering Biomaterial Properties for T Cell Immunotherapy.
- Boyang Hua, *Biophysics and Biophysical Chemistry*.

 Method Development for Next-Generation Single-Molecule Fluorescence Technologies.
- Elizabeth Ann Ihms, Cellular and Molecular Medicine.
 Down the Rabbit Hole:
 Unraveling the Pathogenesis of Pulmonary Cavitation
 During Mycobacterium
 Tuberculosis Infection.
- Dorothy Mae Dillon Johnson,
 Biochemistry, Cellular and
 Molecular Biology Training
 Program—Cell Biology. TissueSpecific ChIP-seq of
 Drosophila Salivary Gland
 Transcription Factors Reveal
 that CrebA Directly Regulates
 Secretory Regulators and
 Effectors.**
- Noelle Rex Jurcak, Cellular and Molecular Medicine. The Role of Axon Guidance Signaling in the Tumor Microenvironment of Pancreatic Ductal Adenocarcinoma.
- Rebecca Ellen Walter Keener,
 Biochemistry, Cellular and
 Molecular Biology Training
 Program–Molecular Biology
 and Genetics. TEL1(ATM)
 Kinase Mechanisms in S.
 Cerevisiae Telomere Length
 Regulation and DNA
 Damage Response.
- Jayoung Kim, Biomedical
 Engineering. Engineering
 Polymeric Drug Delivery
 Vehicles For Enhanced
 Tissue Targeting.**
- Valerie Joanna Kinchen,
 Cellular and Molecular
 Medicine. Characterization
 of the Role of Broadly
 Neutralizing Antibodies in
 Clearance of Human
 Hepatitis C Virus Infection.
- Kristen Marie Kokkonen-Simon, *Cellular and*

- Molecular Medicine.
 Differential MicroRNA
 Regulation by PDE5 and
 PDE9 in the Heart and
 their Intra-Myocyte
 Compartmentation.
- Kyungyoon Jennifer Kwon, Pharmacology and Molecular Sciences. Inducibility of Latent HIV-1 in Resting CD4⁺ Memory T-Cell Subsets.
- Bramwell Gideon Emmett
 Lambrus, Biochemistry,
 Cellular and Molecular
 Biology Training Program—
 Molecular Biology and
 Genetics. Characterizing the
 Cellular Consequences of
 Centrosome Loss: Discovery
 of a Mitotic Surveillance
 Pathway.
- Valerie Ann Larson,

 Neuroscience. The Role of
 Kir4.1 in Oligodendrocyte
 Development, Myelination,
 and Regulation of Neuronal
 Excitability.
- Lauren Yuen-Yee Lee, Cellular and Molecular Medicine.
 Overcoming the Protective Effect of the Bone Marrow Microenvironment by Dual FLT3 and BET Inhibition in FLT3-ITD Acute Myeloid Leukemia.
- Michelle Stephanie Levine,
 Biochemistry, Cellular and
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 Program–Molecular Biology
 and Genetics. Understanding
 the Role of Centrosome
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 Disease.
- Donghui Li, *Human Genetics*.

 Rearranging Natural and
 Engineered Genomes: From
 Mobile DNA to Designer
 Deletion Cell Lines.**
- Kai Yuen Lim, Biomedical Engineering. The Development of a Comprehensive Non-Human Primate Cochlear Implant Model Using the Common Marmoset (Callithrix jaccus).**
- *Degree conferred August 24, 2018
 **Degree conferred December 28, 2018

- Melissa Margaret Liu, Cellular and Molecular Medicine. Gene Expression in Retinal Development, Degeneration, and Differentiation.
- Yunlong Liu, Biochemistry,
 Cellular and Molecular
 Biology Training Program—
 Biophysics and Biophysical
 Chemistry. Understanding
 Protein Mechanism with
 Computational
 Approaches.**
- Jingchuan Luo, Biochemistry, Cellular and Molecular Biology Training Program— Molecular Biology and Genetics. Karyotype Engineering: Synthesis and Fusion of Yeast Chromosomes.**
- Chih-Ping Mao, Molecular
 Biology and GeneticsProgram in Immunology.
 New Technologies for
 Cancer Immunotherapy and
 Disease Profiling.
- Randall Alfred Meyer,

 Biomedical Engineering.

 Biomimetic Polymeric

 Particles for Biomedical

 Therapeutics.
- Yuchuan Miao, *Biological Chemistry*. Mechanism and
 Function of Excitable
 Cortical Waves in Cell
 Migration.
- Brent Matias Millare,

 Biomedical Engineering.

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 Computational Study.**
- Griffin Wallace Milsap,
 Biomedical Engineering.
 Leveraging Spatiotemporal
 Relationships of HighFrequency Activation in
 Human Electrocorticographic Recordings for
 Speech Brain-ComputerInterface.**

- Neil Montgomery Neumann,
 Biochemistry, Cellular and
 Molecular Biology–Cell
 Biology. Epithelial Tissues
 Arise From the Coordinated
 Behaviors of Motility
 Programs and Cellular
 Force Dynamics.
- Dillon Christopher Muth,

 Cellular and Molecular

 Medicine. Extracellular

 Vesicles and MicroRNA in
 Biofluids, Cell Culture and
 Primary Cells in Health and
 HIV-1 and SIV Infections.**
- Karina Negron, *Pharmacology* and Molecular Sciences.
 Addressing a Major Hurdle for Brain Cancer Therapy:
 Widespread Therapeutic Delivery.
- Robert William Nickl, Biomedical Engineering. Spatial and Timing Regulation of Upper-Limb Movements in Rhythmic Tasks.**
- Laurel Marguerite Oldach,
 Biochemistry, Cellular and
 Molecular Biology Training
 Program-Pharmacology and
 Molecular Sciences. Dynamic
 Visualization of Protein
 Interactions: Mapping and
 FRET Biosensor
 Development.**
- Chin Siang Ong, Cellular and Molecular Medicine. Cardiac Regeneration and Disease Modeling Using Biomaterial-Free Three-Dimensional (3D) Bioprinted Cardiac Tissue.
- Luke Emmett Osborn,

 Biomedical Engineering.

 Enhancing Upper Limb

 Prostheses Through

 Neuromorphic Sensory
 Feedback.
- Veena Padmanaban,
 Biochemistry, Cellular and
 Molecular Biology Training
 Program—Cell Biology.
 Mechanisms of Collective
 Epithelial Invasion and
 Metastasis in Breast Cancer.

- Chirag Haresh Patel,

 Molecular Biology and

 Genetics-Program in

 Immunology. The Role of

 mTOR Signaling in T Cell

 Differentiation.
- Jaymin Vijay Patel, *Biomedical Engineering*. The Mouse Brain: A 3D Atlas Registering MRI, CT, and Histological Sections in the Three Cardinal Planes.**
- Corey Porter, *Pathobiology*.

 Lactoferrin CpG Island
 Hypermethylation and
 Decoupling of mRNA and
 Protein Expression in the
 Early Stages of Prostate
 Carcinogenesis: Exploring a
 Role for Lactoferrin in
 Tumor Suppression and
 Chemoprevention.**
- Amanda Joy Price, *Human Genetics.* Regulation of the
 Transcriptome and
 Epigenome in Human
 Cortical Development.**
- Elisabet Pujadas, *Biomedical Engineering*. Epigenetic Landscapes and Glioblastoma.
- Varenka Angelica Rodriguez
 DiBlasi, Cellular and
 Molecular Medicine.
 Changes in the Epigenetic
 Landscape and Chromatin
 Structure Variability in
 Metastatic Pancreatic
 Cancer.**
- Brian Louis Ross, Biomedical Engineering. New Technologies for Live Cell Fluorescence Imaging of Post-Translational Modifications.**
- Richard Roth, *Neuroscience*.
 Visualizing Synaptic
 Plasticity Vivo During Motor
 Learning.
- Kyle Michael Rupp, Biomedical Engineering. Cortical Representations of Language Components Studied with Human Electrocorticography.**

- Matthew Ryals, Biochemistry,
 Cellular and Molecular
 Biology Training Program—
 Molecular Biology and
 Genetics. Analysis of Cellspecific Heat Shock
 Transcriptomes in the
 Inner Ear.**
- Christopher Tem Saeui,

 Biomedical Engineering.

 Advancements in Glycometabolic Engineering and

 Carbohydrate Drug Design.**
- Juan Jose Salvatierra,

 Biochemistry, Cellular and

 Molecular Biology Training

 Program-Physiology. The Role
 of Na_v1.9 and Na_v1.1 in

 Somatosensory Perception.**
- Sara Elizabeth Sanders,
 Biochemistry, Cellular and
 Molecular Biology Training
 Program-Pharmacology and
 Molecular Sciences.
 Understanding the Antimicrobial Activity of the
 Early Stage MEP Pathway
 Inhibitors.**
- Thomas Barentin Schaffer,
 Biochemistry, Cellular and
 Molecular Biology Training
 Program—Biological Chemistry.
 The Protein Kinase C &
 Isoform Restricts Dendritic
 Spine Density by Activating
 the RhoA GEF Ephexin5
 during Hippocampal Neuron
 Morphogenesis.**
- Eric Scott Schiffhauer,
 Biochemistry, Cellular and
 Molecular Biology Training
 Program—Cell Biology.
 Mechanoresponsive
 Behaviors of Actin Cytoskeletal Proteins in Cell
 Shape Change Processes.**
- Kyle Scott Severson,

 Neuroscience. Primary

 Afferent Encoding of

 Whisker Self-Motion and
 Active Touch.
- Yanghui Sheng, *Neuroscience*.
 Phototransduction
 Mechanism and Regulation
 of Response Kinetics in
 M1-ipRGCs.

^{*}Degree conferred August 24, 2018

^{**}Degree conferred December 28, 2018

- Daniel Silverman,

 Biochemistry, Cellular and

 Molecular Biology Training

 Program-Neuroscience. Dark

 Noise and the Apo-opsin

 Effect in Retinal Rods and

 Cones.
- Orit Katarina Sirka,

 Biochemistry, Cellular and

 Molecular Biology Training

 Program–Cell Biology. The

 Role of Myoepithelial Cells

 in Epithelial Dissemination,

 Invasion and Growth.
- Kelsey Mae Stuttgen, *Human Genetics*. Genetic Testing, Interpretation, and Communication: Exploring Across Disciplines.
- Im Hong Sun, Molecular
 Biology and GeneticsProgram in Immunology. The
 Role of mTORC1 in
 Regulating Lymphocyte
 Differentiation: mTORC1
 Defines Central and Effector
 Tregs Asymmetric
 Inheritance of mTORC1
 Dictates CD8+ T Cell Fate
 Novel Role of Vimentin
 Regulating Translation
 Through elF4E.
- Kousik Sundararajan,
 Biochemistry, Cellular and
 Molecular Biology Training
 Program-Biological
 Chemistry. The Disordered
 C-Terminal Linker of FtsZ
 Regulates Z-ring Assembly
 and Cell Wall Metabolism
 During Cell Division in
 Caulobacter crescentus.**
- Jungeun Monica Sung, Human Genetics. A Novel Role for Bone Marrow-derived Circulating Cells in the Repair of Intestinal Inflammation in a Murine Parabiosis Model.**
- Raiha Tahir, *Biochemistry*,

 Cellular and Molecular

 Biology Training Program—

 Biological Chemistry.

 Mutation-Specific and

 Common Phosphotyrosine

 Signatures of KRAS G12D

 and G13D Alleles.**

- Steven Wayne Tilley II,

 Biomedical Engineering.

 High-Quality Computed

 Tomography Using

 Advanced Model-Based

 Iterative Reconstruction.
- Collin James Tokheim, Biomedical Engineering. A Computational Search for Mutational Drivers of Cancer.**
- Samantha Danielle Torquato,

 Cellular and Molecular

 Medicine. Genetic

 Alterations in Prostate

 Cancer: Evaluating Their

 Biomarker Potential and

 Roles in Therapeutic

 Response and Resistance.**
- Meghan Stephanie Vermillion, Cellular and Molecular Medicine. Pregnancy and Viral Pathogenesis: Exploring Mechanisms of Disease through Mouse Models.**
- Maria Del Carmen Vitery, Cellular and Molecular Physiology. (Awarded posthumously)
- Shih-Chin Wang,
 Biochemistry, Cellular and
 Molecular Biology Training
 Program-Biophysics and
 Biophysical Chemistry.
 Developing Single-Molecule
 Augmented Capture (SMAC)
 to Detect Biomarkers in
 Human Blood.
- Tim Sen Wang, Biochemistry,
 Cellular and Molecular
 Biology Training Program—
 Cell Biology. Mechanistic
 and Biological Assessment
 of Novel Stress-Responsive
 Intra-Mitochondrial
 Accumulation of
 Endolysosomes.
- Zheng Wang, *Pharmacology* and *Molecular Sciences*. Dynamics of HIV-Infected CD4+ T Cells: Implications for Cure Strategies.**
- Ian Gilbert Waters, Cellular and Molecular Medicine. Subclonal Sociability: Interactions of PIK3CA and

- *HER2* Mutant Cells in Breast Cancer.
- Tyler John Wied, Biochemistry,
 Cellular and Molecular
 Biology Training Program—
 Biophysics and Biophysical
 Chemistry. Structural
 Characterization and
 Conformational Dynamics
 of Clamshell-Like Ligand—
 Binding Domains.**
- Phillip Wulfridge, Cellular and Molecular Medicine. Epigenetics of Gene-Environment Interactions in a Mouse-Diet Model.**
- Wen Xin, *Neuroscience*.
 Functional Heterogeneity in the Macroglial Network.
- Haojun Yang, Cellular and
 Molecular Physiology. The
 Relationship Between
 Copper Homeostasis and
 Lipid Metabolism.**
- Kimberline R. Yang, Cellular and Molecular Medicine. Characterization of Inflammation and Macrophages for Novel Therapeutics and Biomarker Discovery.**
- Jesse Yoder, $Program\ in$ $Molecular\ Biophysics.$ Sodium Channel $NA_V1.4$ and $NA_V1.5$ Regulation by Calcium and Calmodulin.
- Kaya Gallagher Zelazny,
 Functional Anatomy and
 Evolution. Morphological
 Variation in the Distal
 Humerus of Extant
 Hominids and Fossil
 Hominins.
- Jianan Zhan, Biomedical
 Engineering. Explore the
 Relationship Between
 Genetic Variations and
 Phenotypes with Bayesian
 Approaches.**
- Ye Zhang, *Biomedical*Engineering. Advanced

 Platforms for Multiplexed

 Nucleic Acid Research.
- Yang Zheng, *Neuroscience*.

 Deep Sequencing of
 Somatosensory Neurons

- Reveals Molecular Determinants of Intrinsic Physiological Properties.
- Zhihao Zheng, Neuroscience.
 Olfactory Input to the
 Mushroom Body in a
 Complete Electron
 Microscopy Volume of the
 Adult Drosophila Brain.
- Yi Zhou, Biochemistry, Cellular and Molecular Biology Training Program— Neuroscience. Identifying Key Markers and Mechanisms Underlying Adult Neural Stem and Progenitor Cells and Neurogenesis.**

THE G.W.C. WHITING SCHOOL OF ENGINEERING

Doctors of Philosophy

- Alexandros Afthinos, Chemical and Biomolecular Engineering. Cancer Cell Migration and Decision-Making in Physiologically Relevant Confining Microenvironments.**
- Fozia Ahmed, *Materials*Science and Engineering.
 Characterizing the Interactions of Tropomyosin
 Receptor Kinases (Trks) in the Plasma Membrane.
- Darius DeLeon Alix-Williams,

 Materials Science and

 Engineering. Simulation and

 Modeling of Glasses:

 Analysis of Structure and

 Mechanical Response at

 Various Length Scales.
- Ebuka Stephen Arinze, Electrical and Computer Engineering. Engineering Tunable Colloidal Nanostructures for Light Energy Harvesting.**
- Saeed Ashrafinia, Electrical and Computer Engineering.
 Quantitative Nuclear
 Medicine Imaging Using
 Advanced Image Reconstruction and Radiomics.

*Degree conferred August 24, 2018
**Degree conferred December 28, 2018

- Amy Elizabeth Babay,

 Computer Science. Timely,
 Reliable, and Cost-Effective
 Internet Transport Service
 Using Structured Overlay
 Networks.**
- Adrian Donald Benton,

 Computer Science. Learning
 Representations of Social
 Media Users.**
- Maxim Isaac Bogorad,

 Materials Science and

 Engineering. Measurement
 and Quantitative Analysis of
 Drug Transport in a
 3-Dimensional in vitro
 Model of the Blood-Brain
 Barrier.**
- Angelo J. Cangialosi, *Chemical* and *Biomolecular Engineer*ing. DNA Programmable Soft Matter Devices.*
- Joshua Robert Cape, Applied Mathematics and Statistics. Statistical Analysis and Spectral Methods for Signal-Plus-Noise Matrix Models.
- Debmalya Chakrabarty, Electrical and Computer Engineering. A Hierarchy Based Acoustic Framework for Auditory Scene Analysis.*
- Preetham Chalasani,

 Computer Science.

 Complementary Situational

 Awareness for an Intelligent

 Telerobotic Surgical

 Assistant System.
- Huang Chen, Mechanical
 Engineering. Elucidating the
 Onset of Stall and Cavitation
 Breakdown in Axial Turbomachines and Applications
 of Casing Treatments to
 Alleviate Them.
- Liang Chen, Geography and Environmental Engineering. Yellow River Delta Management Using Flood Mitigation Strategies.
- Michelle Lei Chen,

 Mechanical Engineering.

 Mechanochemistry of

 Collagen Network

 Remodeling in the Sclera.

- Tianyi Chen, Applied

 Mathematics and Statistics.

 A Fast Reduced-Space

 Algorithmic Framework for

 Sparse Optimization.**
- Amy Marie Dagro, *Mechanical Engineering*. Mechanical Properties of Glial Cells.
- Joshua David Davis,

 Mechanical Engineering.

 Conformal Additive

 Manufacturing and

 Cooperative Robotic Repair
 and Diagnosis.**
- David Wilson Eastman,

 Mechanical Engineering.

 Microscale Testing and
 Characterization Techniques for Bench-marking
 Crystal Plasticity Models.**
- Charles El Mir, Mechanical Engineering. The Multiscale Mechanics of Surface Modification Processes on Asteroids.**
- Zhaohao Fu, Civil Engineering.
 Advances in Systems
 Science using Network
 Theory and Machine
 Learning.
- Erin Meghan Gallagher,

 Materials Science and

 Engineering. Transport and
 Reactivation Behavior of
 Nerve Agent Antidotes.
- Jurij Ganitkevic, *Computer Science*. Large-Scale Paraphrasing for Text-to-Text Generation.*
- Elena Alexandra Garcia,

 Chemical and Biomolecular

 Engineering. Tuning

 Polymer Architecture and
 Chemistry to Produce
 Stimuli-Responsive
 Nanocarriers.
- Gowtham Garimella,

 Mechanical Engineering.

 Robust Control of

 Nonlinear Systems with

 Applications to Aerial

 Manipulation and SelfDriving Cars.
- Bernard Gaskey, *Materials* Science and Engineering.

- Liquid Metal Dealloying in Multicomponent Systems— Toward Next-Generation Metal Composites.*
- Courtney Elaine Gonzalez, Chemical and Biomolecular Engineering. Exploring the Fitness Landscape of TEM-1 Beta-Lactamase: A Survey of Intragenic Epistasis and the Fitness Effects of InDels.**
- Jingkai Guo, Mechanical
 Engineering. Modeling the
 Mechanical Behavior of Soft
 Active Materials.**
- Feng-wei Hung, Geography and Environmental Engineering. Green Infrastructure Evaluation and Planning for Adaptive Management.**
- Sarah Louise Inwood,

 Chemical and Biomolecular

 Engineering. Using Intrinsic
 and Extrinsic Methods to
 Engineer Improved
 Expression of Recombinant
 Proteins and Retroviral
 Vectors in Mammalian Cell.*
- Nikita Ivkin, Computer Science. Streaming Algorithms for Mining Frequent Items.**
- Wei Jiang, Civil Engineering.

 Machine Learning and

 Optimization for Healthcare
 and Energy Systems.*
- Qianru Jin, Chemical and Biomolecular Engineering. Cell Studies Using Dynamic and 3-D Micro Structured Platforms.*
- Vignesh Kannan, Mechanical Engineering. Twinning and the Dynamic Behavior of Mmagnesium and Its Alloys.
- Adam Khalifa, Electrical and Computer Engineering.
 Design, Fabrication, and Validation of a Highly Miniaturized Wirelessly Powered Neural Implant.
- Hwanpyo Kim, *Civil Engineering*. Simulation of Non-Gaussian/Non-Stationary Stochastic

- Processes: Beyond Second-Order Orthogonality.*
- Minseok Kim, Geography and Environmental Engineering. Processes and Landscape Structure Underlying System Scale Hydrologic Transport: Theory, Experiment, and Modeling.**
- Brian James Kirsch Jr.,

 Chemical and Biomolecular

 Engineering. Utilizing

 Metabolic Analysis to

 Characterize the Metabolism

 of Mammalian Cells.**
- Hanh Nguyen Dung Le, Electrical and Computer Engineering. Optical Navigation Techniques for Minimally Invasive Robotic Surgeries.**
- Kangmei Li, Electrical and
 Computer Engineering.
 Four-Wave Mixing in Highly
 Nonlinear Fiber and
 Hydrogenated Amorphous
 Silicon Nanophotonic
 Devices for All-Optical
 Processing.*
- Qingjie Li, *Materials Science* and Engineering. Dislocation Behaviors Under Extreme and Complex Conditions.
- Yuanchao Li, Mechanical
 Engineering. Effects of Tip
 Gap Sizes and Operating
 Conditions on the Flow
 Structures and the Complex
 Turbulence in the Tip
 Region of an Axial
 Compressor Rotor.**
- Zhiye Li, *Civil Engineering.*Micromechanical Studies
 of Glass Fiber Reinforced
 Epoxy Matrix Composites
 Undergoing Deformation
 and Damage at High Strain
 Rates.**
- Gary Lin, Civil Engineering.
 Integrated Modeling of
 Complex Systems with
 Applications to Public
 Health and Sustainability.**
- Chunxi Liu, Electrical and Computer Engineering. Low

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^{**}Degree conferred December 28, 2018

- Resource Efficient Speech Retrieval.**
- Yifan Liu, Chemical and
 Biomolecular Engineering.
 Advanced Nanomaterials
 and Their Applications
 Toward Sustainable
 Electrochemical Energy
 Conversion.
- Zaoxing Liu, Computer Science.
 Sketching as a Tool for
 Efficient Networked
 Systems.**
- Zachary James Lubberts,

 Applied Mathematics and
 Statistics. Generating Tight
 Wavelet Frames From Sums
 of Squares Representations.
- Fatma Abdullatif Madouh,

 Mechanical Engineering. The
 Influence of Anisotropy and
 Heterogeneity on the
 Mechanics of Mild
 Traumatic Brain Injury.
- Siddharth Mahendran,
 Electrical and Computer
 Engineering. Geometric
 Deep Learning for
 Monocular Object
 Orientation Estimation.
- Dan Dan Midgett, Mechanical Engineering. Measuring the Full-field Inflation Response of the Human Optic Nerve Head.*
- Courtney Denise Napoles-Cohen, *Computer Science*. Monolingual Sentence Rewriting as Machine Translation: Generation and Evaluation.
- Vishwa Sanjay Parekh,

 Computer Science. Integrated
 Graph Theoretic, Radiomics,
 and Deep Learning Framework for Personalized
 Clinical Diagnosis,
 Prognosis, and Treatment
 Response Assessment of
 Body Tumors.**
- Jea Ho Park, *Materials Science* and Engineering. Designing High-Throughput Cancer Biomarker Monitoring Platform Using Nanoparticles.

- Nicolas Andres Perez
 Gonzalez, Chemical and
 Biomolecular Engineering.
 The Role of the Mechanotransducer YAP/TAZ on Cell
 Volume Regulation.
- Matthew Gregory Petroff,

 Chemical and Biomolecular

 Engineering. Stability, Interactions, and Architectures of
 Colloids with Adsorbed

 Zwitterionic and Ethylene-oxide Polymer Coatings.**
- Tyler Deed Pounds, *Materials*Science and Engineering.
 Applied Electrochemistry of
 Porous Metals.
- Fabian Andres Prada Nino, Computer Science. Signal Processing on Textured Meshes.**
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 Insights into Nuclear
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 Gene Expression Through
 the Study of Homologous

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Chromosome Pairing and Transvection.

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Some Properties of Closed
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Curvature Flow.*

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The Sequence of
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Discovery of WL5A5, a Novel
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Actin Cytoskeleton and YAP
Activation for Regenerative
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Male-specific Development
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- Joel Hosner, School
 Administration and
 Supervision*
- Zarmina Hotaki, *Mind, Brain* and Teaching
- Rebecca E. Huebner, School Administration and Supervision
- Julie C. Ivins, School Administration and Supervision
- Turalloy J. Jackson, School Administration and Supervision
- Kelsey E. Jarvis, Differentiated/ Inclusive Education: Advanced Methods for Instruction*
- Kelsey E. Jarvis, *Urban Education**
- Shannon Kristie Jennings-Jones, School Administration and Supervision**
- Shaun Patrick Johnson, School
 Administration and
 Supervision*

^{*}Degree conferred August 24, 2018

^{**}Degree conferred December 28, 2018

- Johnnie Jones, School Administration and Supervision**
- Bibiane Kanzler, School Administration and Supervision
- Victoria Denise Kelly, Leadership in Technology Integration*
- Victoria Denise Kelly, Mind, Brain and Teaching*
- Tatiana J. Klein, Educational Leadership for Independent Schools**
- Tatiana J. Klein, Mind, Brain and Teaching**
- Latoya R. Knighten, School

 Administration and

 Supervision**
- Anita Knox, Mind, Brain and Teaching
- Caitlin M. Kratz, Education of Students with Autism and Other Pervasive Developmental Disorders*
- Caitlin M. Kratz, Early Intervention/Preschool Special Education Specialist*
- Juan Bosco Lascano Jr., School Administration and Supervision**
- Jennifer Kellie Laycock, School Administration and Supervision**
- Lindsay Elizabeth Littlejohn, School Administration and Supervision**
- Lindsay Elizabeth Littlejohn, *Urban Education***
- Stephanie M. MacKenzie, School Administration and Supervision
- Claire Elizabeth Malpass, School Administration and Supervision**
- Tanja Martina Mayer-Harding, School Administration and Supervision
- Amanda McMullen, School
 Administration and
 Supervision**
- Tamika L. McPherson, School

 Administration and

 Supervision**

- Michelle Meredith, School Administration and Supervision
- Jillian C. Meriweather, School

 Administration and

 Supervision**
- Rebecca Anne Morris, Educational Leadership for Independent Schools**
- Rachel Sarah Nash, School Administration and Supervision
- Rachel Sarah Nash, *Urban* Education*
- Rachel Sarah Nash, Leadership for School, Family, and Community Collaboration*
- Donna Lee Neutze, Online Teaching and Learning for Adults**
- Cheryl M. Nkeba, Educational Leadership for Independent Schools
- Jacqueline Uche Okpala, School Administration and Supervision
- Margaret C. Pyffer, Mind, Brain and Teaching
- Hannah Wiley Richardson, Educational Leadership for Independent Schools
- Krystelle Jill Castro Robeniol, Mind, Brain and Teaching
- Kelly L. Rogers, K-8 STEM Education Lead-Teacher*
- Kelly L. Rogers, Mind, Brain and Teaching*
- Jennifer Rosen, School Administration and Supervision
- Beatriz Ruiz, Mind, Brain and Teaching
- Kelly L. Russo, School Administration and Supervision
- Connie Ruth Sanabria, *Urban Education*
- John Braden Shelley, Educational Leadership for Independent Schools*
- Nicholas Robert Shepherd, Educational Leadership for Independent Schools

- Mary A. Simonsen, *Urban Education**
- Shandlyn D. Smith, *Mind*, *Brain and Teaching*
- Alicia M. Swackhamer, School Administration and Supervision**
- Amanda Lynn Thorne, *Mind*, *Brain and Teaching*
- Sepideh Vistamehr, *Mind, Brain and Teaching*
- Jennifer Williams, School
 Administration and
 Supervision
- Erica C. Williams-Randolph, School Administration and Supervision**
- Ilyssa Yousem, Mind, Brain and Teaching

THE PEABODY CONSERVATORY

Masters of Arts

Yujung Baek, Audio Sciences
Eric P. Engler, Audio Sciences
Richard Frank Grouser III,
Audio Sciences
Ruoli Li, Audio Sciences
Sharan Moses, Audio Sciences
Jonnathan Andres ParisSantana, Audio Sciences
Yutong Qi, Audio Sciences
Anthony J. Staiti, Audio
Sciences
Lin Yao, Audio Sciences

Masters of Music

Camila Marie Agosto,
 Composition
Gabriella A. Alberico, Oboe
Alex Amsel, Conducting
Rongmei An, Piano
Katelyn Grace Aungst,
 Historical Performance Voice
Ryan Ayres, Composition
Ga Eun Ban, Piano
Kathleen Elizabeth Beavers,
 Bassoon
Matteo Belli, Composition
Michael Carter, Wind

Hongsuh Cha, Flute Eugene Chan, Piano Hio Man Chang, Percussion Sheng Chen, Clarinet Yangying Chen, Violin Jun An Chew, Composition Katherine Elizabeth Christenbury, Voice Esther Yoon Chung, Harp Huan Ci, Violin Andrea I. Copland, Oboe Madilyn Crossland, Voice Hilo Tiago Carriel da Silva, Conducting Maxime Daigneault, Composition

Amanda Christine Dame, *Flute* Emma Renae Dickinson, *Voice*

Laura Gabrielle Doyon, *Voice*Yu Sherry Du, *Piano*Kyle Puebla Dubin, *Composition*

Erik Arthur Fredriksen,

Computer Music Composition

Jamie Gallupe, *Baroque* Violoncello

Ricardo Garcia, *Voice/ Pedagogy*

Samuel Garrett, Composition; Musicology

Andrew Ji Ming Goo, *Viola*Zachary Gulaboff Davis, *Music Theory Pedagogy*

Jacob J. Gutierrez, *Percussion*Zachary A. Gutierrez, *Percussion*

Erika L. Hagen, *Voice/ Pedagogy*

Jared Hancock, *Voice* Abigail Hart, *Voice*

Victor Manuel Hernandez Ramirez, *Flute*

Samantha Hornback, *Voice* Naiyin Hou, *Violin*

Tzu-Chin Hsu, Composition

Wei-Ling Hu, *Violin* Yangqian Hu, *Music Education*

Mu-Ning Huang, Violin
Henry William Hubbard,
Musicology; Voice/Pedagogy

Musicology; Voice/Pedagogy
Ian Huh, Piano

Conducting

^{*}Degree conferred August 24, 2018
**Degree conferred December 28, 2018

Bailey Jo Hutton, Voice/ Pedagogy Tobias Maxwell James, Guitar/ Pedagogy Jerram John, Violoncello Carrie A. Jones, Viola HaYoung Jung, Voice Daniel Matthew Kamon, Saxophone Scott Kehoe, Composition Dong Yeon Kim, Piano Esther Kim, Violin Gyuri Kim, Flute Hyejin Kim, Viola Brenda Siu Han Koh, Baroque Violin; Violin Kimberly Kong, Musicology Bronwyn Kure, Viola Namgon Lee, Baroque Viola Narae Lee, Piano Soo Ji Lee, Piano/Pedagogy Wang Liang, Violin Pei-Hsuan Lin, Ensemble Arts: Vocal Accompanying; Piano Xuesong Lin, Piano Tianrun Long, Composition Alicia Renee Lumberry, Voice Chuyan Luo, Voice Benjamin P. Magrowski, Trombone William Preston Marshall, Historical Performance Voice Sean McFarland, Composition Colleen Elizabeth McGonigle, Voice William D. Meinert, Voice Randa Rima Elias Melhem, Voice Jonathan F. Milord, Composition; Viola Connor Aidan Milstead, Guitar Zachary Taylor Mosher-Davis, Percussion Emma R. Nicholson, Voice Jiyoung Park, Piano Soyoon Park, Violoncello/ Pedagogy Jordan Wilder Prescott, Organ Yasmeen Richards, Horn

Arianna Celeste Rodriguez, Voice Jonathan Taylor Rush, Conducting Randy Ryan, Piano/Pedagogy Daniel Edward Sampson, Voice/Pedagogy Brianna Grace Samuels, Voice Garrett James Sanderson, Voice Maria Rosalie Servodidio, Voice/Pedagogy Isaiah Sangwon Shim, Conducting Xuan Song, Piano Shon David Stelman, Guitar/ Pedagogy Natasha Talukdar, Ensemble Arts: Vocal Accompanying Amy Huimei Tan, Viola Sarah Thomas, Violin Patrick Andrew Thompson, Composition Kelly Marie Timko, Voice Melanie Elizabeth Walker, Chelsea Wang, Piano Chuanzi Wang, Violin Lehan Xue Wang, Viola Tiantian Wang, Computer Music Composition Ting-An Wei, Viola Timothy Witbeck, Composition Kimberlyn Wu Peishi, Violin Tong Xu, Piano Mara Alexandra Rose Yaffee, Historical Performance Voice Yang Yang, Viola Ae-Lin Youn, Violin/Pedagogy Shanhong Zhang, Voice Siwei Zhang, Voice Yin Zhu, Ensemble Arts: Vocal Accompanying

Stephanie Zimmerman,

Baroque Viola

Graduate Performance Diplomas

Najette Abouelhadi, Violoncello Sean D. Brennan, Guitar Paul H. Byssainthe Jr., Organ Scott Campbell, Horn Yerim Choi, Flute Chelsea de Souza, Piano Amelia Isabel Gil-Figueroa, Voice Angi He, Voice Sijuan Hou, Voice Madeline Rose Huss, Voice Elías Leceta Gómez-Nebreda, Violoncello Minjin Lee, Violin Ye Jin Lee, *Piano* Sarah Lynne Lewandowski, **Trombone** Mengyi Li, Guitar Mark Yeh Liu, Viola Marianna I. Miché, Horn Yukiko Nakamura, Percussion Christian Paquette, Flute Sarah Spivack, Voice Chia-Yu Tsai, Piano Scott Ullman, Horn Ethan Wagner, Violoncello Yat Sze Wong, Violin Jianze Zhang, Double Bass Stephanie Zimmerman, Baroque Violin

Performer's Certificate

Guanlun Li, Viola

SCHOOL OF NURSING

Masters of Science in Nursing/Advanced Practice

Olayinka M. Ajomagberin Ann Marie Albright Sherrell Ihechinyere Apugo Basia Marie Atkinson-Barr** Buki Adenike Babagbemi** Lesley Stiffler Beavers** Kelly Amber Bell** Katherine Ann Bennett Tracey Anne Bondurant** Megan Lee Burris** James Tyler Camp** Lauren Chasan** Kaci Lyn Corrigan** Amelia Ann Cover** Alainna Christine Crotty* Katherine Elizabeth Erdelyi** Courtney E. Freimuth** Zachary Darren Furman* Madeline Reed Furst Nicole Lisa Gauthier Deanna Louise Glass-Macenka** Paige Marietta Griffith** Erique C. Gumbs** Emily Bridget Hagens** Rachel Elizabeth Hampton** Molly Elizabeth Hartman-O'Connell Chelsea Woodell Heller** Karen Maureen Hetrick Mary Brooks Ingram** Ihuoma RoseJuliet Iwe Ashley Yasamine Izadpanah** Marianne Frances Jarboe** Ashley Paige Jones** Sejung Kim** Emily Danika Kuehn Menachem Lasdun** Gina Kristine Lee** Sonia Sung Yoon Lee** Jessica Stankiewicz Lightcap** William Henry Linkroum** Melinda Maria Mayorga** Elaine Pabalan Medley* Fernando Rafael Mena-Carrasco** Margaret Jean Marie Short Mills Irene Nakanishi* Austin Jacob Nesheim** Rossana Angelik Oakley** Elizabeth V. O'Conor** Olaoluwapo Eniitan Omoleke** Caroline Elizabeth Outten** Laura Corvn Palmisano** Kelsey Lynn Peifer** Andrew David Perry** Lisa Lynn Puett**

Brandon Michael Raab**

Katherine Julia Spence Rawls

Rusana Rassokhina**

Gina M. Robinson**

Robert A. Rocheteau,

Percussion

^{*}Degree conferred August 24, 2018

^{**}Degree conferred December 28, 2018

Meghan Estock Roman Laura Kristen Ross** Caroline Eileen Ruhl Schuyler Aviana Salmeron** Hannah Isabel Salter** Aura Cristina Santaella Maria Theresa Dela Paz Santiago Ware Meghan Elizabeth Sheehan** Leah Rose Shelley** Michael Anthony Shelley** Alexandra Marie Sheridan** Sashani S. Simpson** Melanie Lynn Sperl** Renee Jean Stretchberry** Eleanor Margaret Sullivan** Amelia K. Tenberg** Jose Jeffrey Cruz Topico** Jamie Renee Undem** Alyssa Marlynn Weinstein** Deirdre Wiederrecht** Willard Wilson Will III**

Masters of Science in Nursing/Entry into Nursing Practice

Shayda Abadi Devin Elisabeth Abbott* Braden C. Adams Helena Afua-Mansa Addison Mariluz Maude Adler Simone R. Akgulian Luis Eduardo Alvarez* Chelsea Mignon Amburgey Chioma Sylvia Amenechi Rachel Louise Anderson Carlos Leonel Arias Geneva Augustin* Loren Nichole Ball* Sarah Barry Svetlana N. Bautista Idil Baysal* Damon Antoine Bennett* Morgan Noel Beutler* Steven Andrew Bindrim* Katherine A. Blackburn Iasmine Marie Blunt Carissa Marie Boire Rachel Ryan Bollens Sydney Jeanel Borum Lauren Gloria Bosway David Harris Boucher*

Jason G. Boyd Julia Joan Bozarth Juliana Marie Broussard Shannon Brunner Layla Heather Budin Kerstin Burt Kylee Regan Bushway Meredith Trowbridge Caldwell* Oumie Sompo Ceesay* Lourdes Cassandre Celius Chidera Amarachi Renee Chima Ragan Anne Chizmar Lynda Johnson Clark* Julia Louise Cohn Erica Marie Colman Bianca Jhane Cooper* Jessica Lauren Cooper Justine Nicole Cortez Jenna Christine Cosentino Tameka Latrece Cottman* RaeGina Covington* Traci Fanchon Cox Kristina Barkolova Daniel Kirsten Laine Daniels Terence M. Devenney* Elizabeth Marie Doherty William James Doyle* Serena Courtney Dunham Katlyn Thanh Thuy Easter Elizabeth Irene Eckel Julia Mae Eckert Taylor Ciara Fadrowski Briana Whitney Feldman Georgina Fields* **Emily Fister** Kayleigh R. Foulkes* McKenna Elise Fox John Wesley Free* Haley T. Freilino Robin Catherine Gagnon Ellen Rae Gatski* Anne E. Gibbons Rachel Melissa Gillett Austin Charles Godwin* Alexa Simone Goldman Jacobi Bre'sha Graham* Amelia Holland Grayson Caitlyn Janelle Green Lauren Elizabeth Greenwood*

Sabrina Janelle Gutierrez*

Sara K. Harper

Lauren Kristen Hartley Regina Landaal Hatley* Marissa J. Hayes* Natasha Akosua Hemeng Kayla Renee Herne Brittany Simone Herzenberg Samuel John Holechek* Kwan Pyo Hong Whitney Suzanne Hoover* Chelsea Stowell Howland* Elena Gray Huang Sabrina V. Hudicka Alexia Seileen Irene Huggins Katherine Grace Humphrey Mahum Hussain* Dan Hwang* Lindsey Rae Jackson Nadia Jackson* Savannah Sharae Jackson* Shardel Muriel Simone Jackson Davia Noelene James Amanda Lea Johnson* Jessica Lee Johnson Brianna N. Jones Erika Kaneko Lela Spielberg Kanter Rachel Keeney* Alexandria Jacqueline Kent* Meredith Mather McFall Kerr* Allyson Nicole Keslin Nicole Elizabeth Key Laura Elizabeth King Rebecca Kimberly Knipp* Corrinne E. Kosmowski Jelena Milana Kostic* Amanda Marie Krow Zachary Ryan Kutsche Fay Sade Laborio* Jacqueline Marie LaPointe Lauren Elyse Laviolette* Gairy LeBlanc* Emily Rebekah Lengel Rebekka Yvette Lerma Tikiki Tremice Linston Lorraine Marie Linton Lizbeth Lopez Kendall Alyse West Lovell* Eric James Lucas* Vania Ludman

Kristen Emanuel Martignetti* Karen Eve Bates McClarin* Marielle Elizabeth McDonagh* Alyssa McGarry Alexandria DeVanne McKinley Caroline Anne McKnight* Katherine C. McNabb Elisabeth Marie Mekosh Erin Meyer* Monica Mikhael* Karuna Mizusaki Laura Jeanne Moro Sarah Theresa Morris Charity Wanjiku Ndaguri* Amala Michelle Nechkash Elizabeth Kennedy Nelson Erika Lee Nelson Annelise Melissa Nentwick Shelby Leigh Newman* Duyen T. Nguyen* Vi Thuy Nguyentran Lilian W. Njeeh* Aniekan Ekpe Nkanga* Maura Jane O'Brien Alisa Sulema Ochoa Olumide Olalekan Ogunwomoju* Christine Martha Abwao Onyango Kayla Marie Orson Riley G. Oshiro Iennifer Elizabeth Pace Danica Grazia Pacifici Anita Marie Page** Drasti Ajit Patel Iennifer Dowler Patinella* Kamilah Renee Patterson Jodie Catherine Pelusi **Justin Michael Peterson** Hai Anh Pham Piper Elise Phillips Ashley Marie Pires Rachel J. Pittell Kelly Ann Polhemus William Prichard* Martine Prompt* Uma Rajhbeharrysingh Erica N. Ramirez-Kuykendall* Kayla Elizabeth Rassmann Rachael M. Renzaglia Nicole Ashley Ridings*

Brendan Paul Magistro*

Jill Kristine Magistro*

Jamie Paige Rieff* Sara Joy Robinson* Stephanie Dorothea Rodgers* Glendys Maria Rodriguez Abby Lauren Rowlands Zoe Townsend Rush* Courtnee Danvelle Russell-Moss* Natasha Sablok Frances Denise Saenz Yasmine Sahli* Kemba R. Saibou Taylor Hawley Sartor* Lesley Jo Sasnett Aspen G. Schindel Cheryl Lauren Schmidt Joanne Schroeder* Alesandra Giamario Seal* Kristen Michele Seeba Sara Elizabeth Senter Alexandra C. Sewell* Hasmin Serpas Sherwin* Lauren Alexandra Smulcer Justin M. Soberanis Kodiak Ray Sung Soled* Frank Anthony Somoano Heather Elizabeth Soucy* Melissa Jean Spahr Kathryn Jane Spearman Stephanie Brooke Stewart Chelsie Jane Sumner Mary Elizabeth Swanson Courtney Nicole Swartz* **Taylor Leigh Tims** David Anthony Tkach* Lauren Catherine Totonis Hsin-Hui Tseng Yuko Ueda-Chang Kalli Lynn Veldman* Rachael Viale* Ruchi Vig Amber Kaur Walia Xiao Wang Kizito N. Wenani* Casey August Whetzel* Anna Grace Wilen Turner Jessie Wiley* Thomas Edward Winkler Heather Elizabeth Wright Cuiyun Yu

SCHOOL OF NURSING/ BLOOMBERG SCHOOL OF PUBLIC HEALTH

Masters of Science in Nursing/Masters of Public Health

Kathleen Claire Breuninger*
Sarah Alicia Connor**
Molly Claire Cook**
Kelli Michelle Grunstra**
Jenny Vanessa Joseph**
Garrett Logan Matlick*
Cari LeighAnn Nash*
Kayla Rose Percy*
Ellen Christine Seymour*
Sarah Langford Stothers**

BLOOMBERG SCHOOL OF PUBLIC HEALTH

Masters of Arts

- Tabitha Jacqueline Acosta Bayangos, *Public Health Biology*
- Johnathon Ryan James, *Public Health Biology*
- Katherine Maria Sobel, *Public Health Biology*
- Sarah Tanveer, *Public Health Biology*
- Gabriella Celeste Zura, *Public Health Biology*

Masters of Applied Science

- Maysa Mohammed Abdelaziz Ahmed, *Spatial Analysis*
- Lauren Francesca Allen,
 Patient Safety and
 Healthcare Quality
- Ana Agustina Anzorena, Patient Safety and Healthcare Quality
- Scholastica Celestine Bahemana, *Spatial Analysis*
- Susan Bartlett-Ye, *Patient*Safety and Healthcare
 Ouality
- Tim C. Batchelder, *Population Health Management*
- Anna Katrina Carloto Briley, Spatial Analysis

- Kelly Brooke Cagle, Patient Safety and Healthcare Quality
- Pedro Hector Calves, Population Health Management
- Julie Monette Cardwell,

 Population Health

 Management
- Catherine Marie Carpenter, Spatial Analysis
- Diana Catalina Casas Lopez,
 Patient Safety and
 Healthcare Quality
- Walter Chin, Spatial Analysis Jieming Chu, Population
- Health Management
 Emily Therese Colyer, Patient
- Emily Therese Colyer, Patient Safety and Healthcare Quality
- Ann M. Crapo, Spatial Analysis Curt Michael Cronister, Spatial Analysis
- Amanda Jane Cullison, *Patient*Safety and Healthcare
 Quality
- Marcia Roddy Cupit, Patient Safety and Healthcare Quality
- Saly A. Dahab, *Patient Safety* and *Healthcare Quality*
- Rachel Melissa Edmonds, Spatial Analysis
- Rasha Abdelmoneim Khider Elnimeiry, *Spatial Analysis*
- Geoffrey M. Empey, *Population Health Management*
- Hilary Ruth Evans, Spatial Analysis
- Ian Godwin Faragher, *Patient*Safety and Healthcare
 Quality
- Crystal Monique Garcia,

 Population Health

 Management
- Jason Michael Geslois, Spatial Analysis
- Nina A. Glover, *Population* Health Management
- Anand Gourishankar, Spatial Analysis
- Gregory Hagley, Patient Safety and Healthcare Quality

- Veronica Halloway, *Population Health Management*
- Timothy Neylon Hardy,

 Population Health

 Management
- Jennifer Lorette Hernandez,
 Patient Safety and
 Healthcare Quality
- Lubina Perez Hernandez,

 Population Health

 Management
- Racheal Hernandez, Patient
 Safety and Healthcare
 Ouality
- Melody Christine Howell, Population Health Management
- Lushin Huey, Population Health Management
- Michael Rae Ingui, *Population Health Management*
- Laura Marie Jansen, Spatial Analysis
- Amir H. Jennaty, *Population Health Management*
- Francelethia Serena Johnson,

 Population Health

 Management
- Jennifer Maxine Johnson,

 Patient Safety and

 Healthcare Quality
- Seraphina Malini Johnson, Spatial Analysis
- Ji Yeon Joo, Spatial Analysis Lisa Marie Jordan, Population Health Management
- Sylvia Kataike, *Patient Safety* and *Healthcare Quality*
- Donna Keehn, *Patient Safety* and *Healthcare Quality* Stacy Kelleher, *Population*
- Health Management
 Comfort Kissi, Patient Safety
 and Healthcare Quality
- Aimee R. Kramer-Devereaux, Spatial Analysis
- Rupesh Kshetri, Patient Safety and Healthcare Quality
- LaRobin Francesca Lee, Spatial Analysis
- Neha Longani, Patient Safety and Healthcare Quality
- Lura Cynthia Lunsford,

 Population Health

 Management

Julie Rose Zingeser

^{*}Degree conferred August 24, 2018

^{**}Degree conferred December 28, 2018

- Katherine Victoria Marker, Population Health Management
- Sharon Murn Mazzocco,

 Patient Safety and

 Healthcare Quality
- Karen Marie Miller, Patient Safety and Healthcare Quality
- Meghan Nora Moylan, *Patient*Safety and Healthcare
 Quality
- Veronica Nicole Natale, *Patient*Safety and Healthcare
 Quality
- Erica Lynne Nelson, *Spatial Analysis*
- Elizabeth J. Nichols, *Patient*Safety and Healthcare
 Quality
- Erika Marie Opgenorth, Spatial Analysis
- Renee Lynn Overstreet,

 Patient Safety and

 Healthcare Quality
- Deidre A. M. Patterson-Manansala, *Spatial Analysis*
- Laura Liane Pilozzi-Edmonds,
 Patient Safety and
 Healthcare Quality
- Natalie R. Pirkola, *Population Health Management*
- Gabriela Marie Plasencia,

 Population Health

 Management
- Liping Rahman, Spatial Analysis
- Samantha Hooper Reid, Population Health Management
- Harry Reyes Jr., Spatial Analysis
- James Michael Robinson,

 Population Health

 Management
- Vilmarie Rodriguez, Patient Safety and Healthcare Quality
- Lia Scarince, Spatial Analysis*
 Jessica Schiller, Population
 Health Management
- Jennifer Schmidt, Spatial
 Analysis
- Jessica K. Sexton, Spatial
 Analysis

- Kristy M. Shaddy, *Patient*Safety and Healthcare
 Quality
- Sean Shieh, Patient Safety and Healthcare Quality
- Brooke Siepierski, *Patient*Safety and Healthcare
 Quality
- Daniel Harper Singleton,

 Population Health

 Management
- Joseph Ssekasanvu, Spatial Analysis
- Leonard Anthony Stagoski Jr., Population Health Management
- Lokachet Tanasugarn, Spatial Analysis
- Kelly Tauber, *Population Health Management*
- Filomena Tavares, Patient Safety and Healthcare Quality
- Lekilay Gai Tehmeh, Patient Safety and Healthcare Quality
- Debra Kirby Thompson,

 Population Health

 Management
- David Michael Wade, *Spatial Analysis*
- Kaipeng Wang, Spatial
 Analysis
- Isa Hiroki Watanabe, *Spatial Analysis*
- Megan Christine Wink, Spatial Analysis
- Taylor Brooke Wootton,

 Patient Safety and

 Healthcare Quality

Masters of Bioethics

Emily Capen Farmer,
Extradepartmental Studies
Christen Olivia Paradissis,
Extradepartmental Studies
Hunter Jackson Smith,
Extradepartmental Studies
Robert Daunt Stenzel,
Extradepartmental Studies*

Masters of Science

- Reham Aljumaah,

 Biochemistry and Molecular

 Biology
- Katherine Christine Anderson, Health, Behavior and Society
- Sean Vincent Brown,

 Biochemistry and Molecular

 Biology*
- Laura Marie Canaday, Molecular Microbiology and Immunology
- Brendan Francis Fries, *Epidemiology***
- Luqin Gan, Biostatistics
- Alexa Rose Geltzeiler, *Health, Behavior and Society*
- Wenxuan Guo, *Biochemistry* and *Molecular Biology*
- Kimberly Nicole Harer, Clinical Investigation**
- Jeanna E. Hoffman, Molecular Microbiology and Immunology
- Ruthe Baihui Huang, *Biostatistics*
- Stephanie Yu-Lin Irwin, Epidemiology
- David Michael Jacobs,

 Molecular Microbiology and

 Immunology
- Chloe Mayumi Kashiwagi, Environmental Health and Engineering
- Brian Edward Krahl, Biochemistry and Molecular Biology*
- Ananya Kumar, Epidemiology Weixin Li, Biochemistry and Molecular Biology
- Xinye Li, Biostatistics
- Yingyue Li, *Health*, *Behavior* and *Society*
- Dolly Menghan Lin, Epidemiology
- Hans Bon Liu, *Biochemistry* and *Molecular Biology**
- Chenery Louise Turtle Lowe, *Health, Behavior and Society***
- Ana Gabriela Madrigal,

 Molecular Microbiology and

 Immunology

- Amber Marie Martin,

 Biochemistry and Molecular

 Biology
- Sahra Mohazzab Mohazzab-Hosseinian, *Epidemiology*
- Valerie Nicole Morrill, Epidemiology
- Suk Namkung, Molecular Microbiology and Immunology
- Ahna Marie Neustadt, *Health, Behavior and Society*
- Molly Rose Petersen, Epidemiology
- Andrew Abelardo Pita, Biostatistics
- Yujia Qiao, *Epidemiology*
- Nathaniel Pendleton Rogers Jr., *Biochemistry and Molecular Biology*
- Nicole M. Salazar-Austin, *Epidemiology*
- Sarah Rachell Salter, Biostatistics
- Abeer Afnan Sayeed, Molecular Microbiology and Immunology
- Emily Alison Scott,

 Biostatistics
- Jaime Elisabeth So, Molecular Microbiology and Immunology
- Geetika Sood, Epidemiology**
- Maya Sarita Spaur,

 Environmental Health and

 Engineering
- Camilla Ann Strother,

 Molecular Microbiology and

 Immunology
- Lesley Elizabeth Summerville, Biochemistry and Molecular Biology*
- Alan Huy Tieu, Clinical Investigation
- Hanwei Wang, Environmental Health and Engineering
- Luqiong Wang, Molecular Microbiology and Immunology
- Mengrui Wang, *Biochemistry* and *Molecular Biology* Ting-Hui Wu, *Epidemiology*
 - *Degree conferred August 24, 2018

**Degree conferred December 28, 2018

- Shuhao Xiao, Molecular Microbiology and Immunology
- Yuting Yuan, Molecular Microbiology and Immunology
- Wanying Zhang, *Epidemiology* Yujiao Zhang, *Biochemistry* and Molecular Biology

Masters of Science in Public Health

- Elizabeth A. Abrams,

 International Health
- Mary Ebunoluwa Alao, International Health
- Nicholas Wade Albaugh, International Health
- Valeria Alonso, *International Health*
- Assanatou Alma Zombre Bamogo, *International Health*
- Vaiddehi Bansal, *Population*, Family and Reproductive Health
- Colin Brander, *Environmental Health and Engineering**
- Hannah Samantha Breakstone, *Health*, *Behavior and Society*
- Andrew A. Brown,

 Environmental Health and

 Engineering**
- Marielle Maibel Tanangco Bugayong, *Health, Behavior* and Society
- Ryan Daniel Burgess, Environmental Health and Engineering**
- Drew Matthew Cantor, Environmental Health and Engineering**
- Joshua Chang, Environmental Health and Engineering**
- Jennifer Chen, Population, Family and Reproductive Health
- Xiaomeng Chen, Population, Family and Reproductive Health
- Karamjit Singh Chohan, International Health

- Lani Kyung Chung, International Health**
- Christopher Cheng Chung On, Health, Behavior and Society
- Samantha Melissa Cino, Health, Behavior and Society
- Rachel Marie Coe, *Health Policy and Management*
- Kathryn Jane Davis, International Health
- Javier de la Maza Guzman, Health, Behavior and Society
- Ellie Mackenzie Decker, International Health
- Lynn Desamours, International Health
- Alexandra Claire Devenport, Population, Family and Reproductive Health
- Bianca Lynn Devoto, International Health
- Chloe Hope Dillaway,

 International Health
- Elizabeth Allen Donckels, *Health Policy and Management*
- Ariel Frankel, *International*Health
- Maria Garcia Quesada, International Health
- Kathryn Elizabeth Gerber, International Health
- Ashley Rose Germann, International Health
- Emma May Gorin,
 International Health
- Kelsey N. Griffin, Environmental Health and Engineering*
- Grace Mary Guerrero-Ramirez, Population, Family and Reproductive Health
- Bengucan Gunen, *Health Policy and Management*
- Elizabeth Anne Hahn, International Health
- Michael Peter Hamill,

 Environmental Health and

 Engineering**
- Hana Hanfi, *International*Health
- Abu Abdullah Mohammad Hanif, *International Health***

- Ajeenah Lateefah Haynes, Environmental Health and Engineering**
- Lauren Paige Heinrich, International Health
- Erik Steven Heithaus, Environmental Health and Engineering
- Elodie Ngoc Thy Ho, International Health
- Leah Holmes Holmes, International Health
- Meridian Howes, *International Health*
- Maisha R. Huq, *Population*, *Family and Reproductive Health*
- Cindy H. Hwang, *International Health*
- Liyana Jendre Ido, Population, Family and Reproductive Health
- Belinda Jivapong,
 International Health
- Zhihui Ju, International Health
- Page Kremer Keating, International Health
- Taj Unnikrishna Keshav, International Health
- Farhad Ali Khan, *International Health*
- Seung Yun Kim, *International Health*
- Eilleen Noel Lane, *Health*, *Behavior and Society***
- Hyeonji Lee, *Health*, *Behavior* and *Society*
- Katerina Giselle Lescouflair, International Health
- Haolin Li, International Health
- Lihan Lu, *International Health* Dania Mallick, *International*
- Reuben Thomas Mathew, International Health*

Health

- Kenai Iman McFadden,

 Health, Behavior and Society
- Dorothy Grace McLain, International Health
- Kavita Lakshmi Mizin,
 Environmental Health and
 Engineering**
- Angela Onwah Ng, International Health

- Rachel Dennie Nichols, Health, Behavior and Society
- Alison Kramer Nulty, International Health
- Ezinne Adaku Ogbonna, Population, Family and Reproductive Health
- Chrystal Nkechinye Okonta, Health, Behavior and Society
- Anna Elisa Passaniti, International Health
- Rachael Anne Peroutky, *Health Policy and Management*
- Michaela Pfeiffer-Mundt, International Health
- Rose Pollard, *International Health*
- Julia Catherine Pringle, International Health
- Maya Sunita Raghavan, International Health
- Akhil D. Reddy, *Health Policy* and Management
- Andrew James Rosenblum, Health Policy and Management
- Juliana Patricia Saracino,

 International Health
- Simone Blaire Sawyer, *Health, Behavior and Society*
- Harpur Anne Schwartz, Health, Behavior and Society
- Amanda Leanne Scotland, International Health
- Michelle R. Selim, International Health
- Neha Shah, International Health
- Patrick John Shea, International Health
- Angela Nhu Shelton, International Health
- Jessi Erin Silverman,
 International Health
- Isabel Jaschek Slettebak, International Health
- Natalie Anne Smith, *Health Policy and Management*
- Aurash Jason Soroosh, International Health
- Daniel K. Stephens,

 International Health

^{*}Degree conferred August 24, 2018

^{**}Degree conferred December 28, 2018

- Ronald Denning Stokes-Walters, *International Health***
- Christine Paige Stone, *Health Policy and Management*
- Kathryn Naiman Sugg,
 Population, Family and
 Reproductive Health
- Staci Leigh Sutermaster, International Health
- Leah Christine Tanner, International Health
- Sabah Tariq, Environmental Health and Engineering**
- Rebecca Morgan Taylor,

 Population, Family and

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THE PAUL H. NITZE SCHOOL OF ADVANCED INTERNATIONAL STUDIES

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Sharon Jungwon Yoo Kento Yoshimura Stephanie Dawn Zable**

Johan Sebastian Zambrano

Rachel Zaporowski

Huiyu Zhai Ranyan Zhan

Wanda Wu Zhan** Cheng Zhang

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Tingyun Zhang**

Wenni Zhang Yilun Zhang

Zheming Zhang Zhuo Zhang

Zhuo Zhang Ruowei Zhou

Shangsi Zhou

Siyu Zhou

David Steven Zogheb

Masters of Arts in **Global Policy**

Rebecca Jean Betz** Edward William Buckley IV** Thiago De Aragao** Charlotte Brady Fallon** Hannah Bryce Ferguson** Jessica Rojek Giffin** Adriana Gutierrez Cancino** Russell Paul Hanser** Matthew Douglas Hearn**

Alena Anne Ho** Raymond Price Kaplan** Ashley Mergen Kennedy** William George Lyne** Sofia Beatriz Machado** Jacqueline Carina Moore** Martin Sebastian Morales** Janet La Verne Morgan** Craig Scott Morris** Matthew Joseph Nevins** Peter George Patterson** Nirupama Pradhan** Jose Gabriel Salazar Guerrero** Erinn Kaley Taucher** John Francisco Vidaña**

Masters of Arts in Global Risk

Megan Elissa Zavertnik**

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Masters of Arts in International Affairs

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Cecilia Marconi Silje Martine Bøe Olssøn Elif Nisa Polat Line Annie Claudine Relisieux Christina Riegler Umberto Stolfo Speranza Erik Stone Trautman

Masters of Arts in **International Economics** and Finance

Nathaniel Austin* Eleanor Rose Babcock* Nicholas Stone Baulch* Grant Matthew Bodnar* Ivan Burgara* Andrea Irene Cañas* Maddalena Castelli* Xin Chang* Shijia Chen* Cale Alan Clingenpeel* Romina Valeria Ferreira* Yanapoli Fofanah*

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^{*}Degree conferred August 24, 2018 **Degree conferred December 28, 2018

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Masters of Arts in International Studies

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Masters of International Public Policy

Adeola Oluwole Akinremi Khalid Nassir bin Khorsan Al-Ajmi Robert J. Alberts** Taghreed Azmi Falah Alresheq* Cynthia Margarita Arevalo Jonathan Clay Austin** Christian Ballester Aakar Chandravadan **Brahmhhatt** Andrew Braxton Canfield Katherine Maria Castro Omar Mauricio Cavalier** Travis Richard Clonch Michael Robert Connors Colleen Denny** Inigo Febrel Benlloch Patricia Maria Foresti De Campos Dutra James Eugene Fulks Christopher Thomas Gage Mary Goldstein** Michael Nieves Gonzalez Matthew Peter Gross** James William Guglielmi Robert Arthur Halliday Ryosuke Hanafusa Fazelhaq Haqmal** Stephen Michael Harmon** Andrew P. Herendeen Yuki Hirakawa Yonatan Holz David Colin Jackson** Ghoncheh M. Jafarpisheh-Lee** Ryan Patrick Karr Yoonhee Kim **Justin Kim Kwon**** Claudia Lacerda Trevisan DaQuan Marquise Lawrence* Charles Alexander Litz

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Mary Zarlenga**

Certificates

Michael Howard Malloy, History of Medicine Anncy Tharkolil Thomas, Certificate in Clinical Informatics**

Masters of Science

Tripti Aggarwal, Applied Health Sciences Informatics** Adler Archer, Applied Health Sciences Informatics Elyse M. Blazosky, *Program in* Molecular Biophysics Gurmehar Singh Deol, Applied Health Sciences Informatics** Melissa Lynn Fannin, Applied Health Sciences Informatics Jeffrey Allen Ford, Applied Health Sciences Informatics** Jessica Ann Johnson, Applied Health Sciences Informatics Zubin Akhil Khan, Health Sciences Informatics** Abraham Kim, Applied Health Sciences Informatics** Alexandra Diana Loucks. Biomedical Engineering Suzan Chuang Lowry, Applied Health Sciences Informatics** Xiaomeng Ma, Applied Health Sciences Informatics** Ishita Masand, Applied Health Sciences Informatics** Joseph Robert Mercado, Applied Health Sciences Informatics Umair Mushtaq, Applied Health Sciences Informatics** Ethan Ryan Naylor, Biomedical Engineering Matthew Neil, Molecular Biology and Genetics-Program in Immunology** Lucas Vieira de Camargo Santos, Biomedical Engineering Daniel Stephen Smith, Applied Health Sciences Informatics

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Masters of Arts

- Brittany Celeste Bennett, Medical and Biological Illustration
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- Burke Hood Dial, *History of Medicine*
- Cecilia Catherine Johnson,

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- Lohitha Kethu, Medical and Biological Illustration
- Vondel Shadrach Edwin Mahon, Medical and Biological Illustration

THE G.W.C. WHITING SCHOOL OF ENGINEERING

Post-Master's Advanced Certificates

- Sergey Cherny, Cybersecurity**
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Masters of Science in Engineering

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- Yu Ding, Robotics
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- Shannon Marie Flanary, Chemical and Biomolecular Engineering
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- Like Gong, Materials Science and Engineering
- Troy Joseph Gonzalez, Chemical and Biomolecular Engineering
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- Mrudul Anil Harwani, *Computer Science*
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- Ximin Hu, Geography and Environmental Engineering**
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- Jiajie Huang, Materials Science and Engineering
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 Mathematics and Statistics
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- Nirmal S. Krishnan, Computer Science**
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^{**}Degree conferred December 28, 2018

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- Aliya Abdulaziz Lakhani, Chemical and Biomolecular Engineering*
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- Bowen Li, Computer Science Chenyang Li, Chemical and Biomolecular Engineering*
- David Ziming Li, Computer
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- Huixiang Li, Mechanical Engineering
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- Chelsie W. Librun, Systems Engineering
- Chia-Hung Lin, Robotics Jingxian Lin, Electrical and Computer Engineering
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- Zhenxuan Lin, *Materials*Science and Engineering
- Chunru Liu, Materials Science and Engineering
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- Lihao Liu, Electrical and Computer Engineering
- Luoluo Liu, Applied Mathematics and Statistics
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 Science**

- Shijia Liu, Computer Science Shuyu Liu, Mechanical Engineering**
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- Yixiao Luo, Computer Science
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- Anqi Lyu, Applied Mathematics and Statistics**
- Haoxiang Lyu, Chemical and Biomolecular Engineering
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- Poorya Mianjy, Computer Science
- Roxana Elena Mitrut, Chemical and Biomolecular Engineering
- Poojan A. Mody, *Mechanical Engineering*
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- Cong Mu, Applied Mathematics and Statistics
- Hongqiao Mu, Applied Mathematics and Statistics**
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- Patrick E. Myers, *Biomedical Engineering*
- Rohan Nadkarni, *Biomedical Engineering*
- Harnish Mukesh Naik, Chemical and Biomolecular Engineering*
- Ankitha Rajagopalan Nair, Biomedical Engineering*
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- Shirley Ng, Materials Science and Engineering**
- Harrison Huy-Anh Nguyen, Electrical and Computer Engineering
- Chuanxin Ni, Mechanical Engineering
- Christopher R. Niles, *Systems Engineering*
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- May Thu Nwe Nwe, Civil Engineering**
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- Angelo J. Olcese, *Computer Science*
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- Carolina Pacheco, Biomedical Engineering*
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- John C. Palladino Jr., Systems Engineering
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Biomolecular Engineering

Bailey Gordon Himes Parker, Computer Science**

- Srivathsa Pasumarthi Venkata, *Computer Science*
- Archan B. Patel, Computer
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- Jackson Tyler Paul, Chemical and Biomolecular Engineering**
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 Mathematics and Statistics**
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 Computer Science
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 Biomedical Engineering
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 Mathematics and Statistics
- Junyi Rao, Chemical and Biomolecular Engineering
- Vishal Srinivasan Rao, Computer Science
- Kushan Bandara Ratnayake, Mechanical Engineering**
- Bin Ren, *Applied Mathematics* and *Statistics*
- Manyi Ren, Applied

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- Xin Ren, Robotics**
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- Anna Mei-lin Rittenburg,

 Applied Mathematics and

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 Biomedical Engineering
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- *Degree conferred August 24, 2018
 **Degree conferred December 28, 2018

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- Aalap Dhiraj Shah, *Robotics* Samyak M. Shah, *Biomedical Engineering*
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Krithik Srithar, Biomedical Engineering

Madison K. Vanosdoll, Biomedical Engineering

Allison Noelle Wallingford, Biomedical Engineering

Shicheng Xu, Biomedical Engineering

Masters of Science in Engineering in Financial Mathematics

Jiawen Bai, Applied Mathematics and Statistics

Zackary D. Baker, *Applied Mathematics and Statistics*

Kun Bao, Applied Mathematics and Statistics**

Luke Nathaniel Brown, Applied Mathematics and Statistics**

Benqi Chen, Applied

Mathematics and Statistics**

Yingzhong Chen, Applied

Mathematics and Statistics
Qi Duan, Applied Mathematics

and Statistics
Qican He, Applied Mathematics
and Statistics

Yingze Hou, Applied

Mathematics and Statistics

Jing Jin, Applied Mathematics and Statistics**

Yang Lei, Applied Mathematics and Statistics**

Jiayu Li, Applied Mathematics and Statistics

Qingyu Li, Applied Mathematics and Statistics**

Wenyan Li, Applied

Mathematics and Statistics

Shuoyang Lou, Applied

Mathematics and Statistics**

Xiangyu Lu, Applied
Mathematics and Statistics**
Xinhan Luo, Applied
Mathematics and Statistics**
Gabrielle Christianna Wendy
Moss, Applied Mathematics

Tu Anh Nguyen, Applied

Mathematics and Statistics**

and Statistics**

Yu Shao, Applied Mathematics and Statistics

Xuantong Shi, Applied Mathematics and Statistics

Qi Si, Applied Mathematics and Statistics

Ruijia Sun, Applied
Mathematics and Statistics**

Kun Wang, Applied
Mathematics and Statistics

Xuan Wang, Applied
Mathematics and Statistics**

Xuechen Wang, Applied

Mathematics and Statistics

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Mathematics and Statistics**

BiHua Zhang, Applied

Mathematics and Statistics**

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Lingfei Zhao, *Applied Mathematics and Statistics*Xiaxuan Zheng, *Applied*

Xiaxuan Zheng, Applied
Mathematics and Statistics**

Masters of Science

Todd Adams, *Applied Physics*Jones B. Adirimo, *Information Systems Engineering*

Nicholas Adkins, Systems Engineering*

Victoria Elizabeth Afram, Space Systems Engineering

Ali S. Ahmad, Electrical and Computer Engineering

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- Rachel Ilean Allen, Applied and Computational Mathematics**
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- Davy Andrew, Technical Management
- Syed Mubashir Anwar, Applied Physics
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- Keith K. Arora-Williams, Geography and Environmental Engineering
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- Harsimar Bagga, Security
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- Matthew C. Bahnsen, Electrical and Computer Engineering**
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 Basketfield, Computer
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- Danielle Louise Beeve-Morris, Environmental Planning and Management
- Kyle James Benk, Computer Science
- Christopher Bennett, *Applied Physics**
- Steven Bergey, *Electrical and Computer Engineering**
- Caitlin Siobhan Bergin, Environmental Engineering and Science
- Michael Jacob Bernard, Computer Science**
- Renan Albanezi Bertolazzi, Information Systems Engineering**
- Kalpana Rajashekhar Betageri, Applied Biomedical Engineering
- Matthew Joseph Beutler, Computer Science**
- Matthew Adel-nassif Bichay, Computer Science
- Amanda Kiely Bicket, Applied Biomedical Engineering
- Nicholas Ryan Bishop, Space Systems Engineering
- Katie Ann Blumer, *Electrical* and Computer Engineering
- Aleczander Frederick Bohn, Systems Engineering**
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 and Science**
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- Stephen N. Jenkins, Applied and Computational Mathematics*
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- Taylor Clark Killian, *Electrical* and Computer Engineering**
- Anson Kim, Cybersecurity
- Edward Minkwon Kim, Computer Science**
- Sungwon Brandon Kim,

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- Bethany Ann King,

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 and Science**
- Audrey Mary Kirchens, Systems Engineering**
- Thomas R. Kivlen, *Systems Engineering*
- Zachary Mark Klenk, *Electrical* and Computer Engineering**
- Andrew D. Knauss, *Electrical* and Computer Engineering**
- Kasey L. Knoell,

 Environmental Engineering
 and Science
- William Kenneth Knopf,

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 Management
- Andrew Allan Knuth, Technical Management**
- Kurt Ko, Applied Biomedical Engineering
- Kwok Hin Ko, Technical Management*
- Christopher Gene Koerner, Computer Science
- Matthew Alan Kok, *Computer Science*
- Timothy Koritz, Systems Engineering
- Polina Koroleva, Geography and Environmental Engineering
- Lindsey A. Kostkowski, *Electrical and Computer Engineering*
- Christopher James Krajewski, Information Systems Engineering
- Kyle A. Kramer, *Electrical and Computer Engineering***
- Joseph Andrew Kreft, Electrical and Computer Engineering**
- Andrew Stephen Krepps, Computer Science

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- Avijit Kumar, Security
 Informatics**
- John Lawrence Kvarta, Information Systems Engineering**
- Christopher Marshall Laird, Computer Science**
- Nicholas P. Lajeunesse, Computer Science*
- Janice Ching Sze Lam Snyder, Environmental Planning and Management**
- Bradford Joseph Lapsansky, Applied Physics
- Andrew James Larkin, Computer Science*
- Nicholas Frank Larovere, Computer Science**
- Natalie Ann Larsen, Security
 Informatics
- John Paul Laverde, *Computer Science*
- Andrew Lavia, Information Systems Engineering*
- Christopher Todd Lawrence, Systems Engineering
- William Martin Lechtenberg, Computer Science
- Chad Lee, *Electrical and Computer Engineering*
- John Miles Lento Jr., Computer Science**
- Stephanie Danielle Lepchenske, *Space Systems Engineering*
- Clarence Leopold Leslie II, Computer Science**
- Amber Lonnette Lewis, Systems Engineering
- Binjie Li, Security
 Informatics**
- Hongzhou Li, Applied and Computational Mathematics*
- Matthew Benjamin Li, Environmental Engineering and Science
- Sifan Li, Security Informatics**
 Xiahan Li, Computer Science*
 Xiaowang Li, Applied and
 Computational Mathematics

- Zheming Li, Security
 Informatics**
- Zhiyuan Li, Security
 Informatics
- Shuaiqi Liao, Geography and Environmental Engineering**
- Versie M. Liles, *Technical Management*
- Ronald M. Lillie, *Technical Management***
- Bolun Lin, Applied and Computational Mathematics
- Dana Marie Lindquist, Electrical and Computer Engineering
- Brian David Link, Computer Science
- Miranda Nicole Link, Space Systems Engineering*
- Xiaoling Liu, Geography and Environmental Engineering
- Ying Liu, Security
 Informatics**
- Zhongxia Liu, Geography and Environmental Engineering**
- Laura Michelle Loebach, Computer Science
- Jeffrey Loewenthal, *Computer Science*
- Siheng Long, Geography and Environmental Engineering**
- Bianca J. Lopez, *Environmental Engineering and Science*
- Daniel Micheal Lozier, Computer Science**
- Owen J. Lu, Electrical and Computer Engineering
- Ruihui Luo, Security
 Informatics**
- Hong Ma, Security Informatics**
- Joanne Dizon Magtibay, Computer Science**
- James Joseph Maguire, Computer Science
- Nikita Abirami Mahendra Kumar, Applied Biomedical Engineering
- Robert Austin Mahoney, Technical Management*
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- Cole Joseph Manaster, *Cybersecurity**

- Jacob Lawrence Mangan, Electrical and Computer Engineering**
- Nicholas Joseph Mariconda, Computer Science*
- Alexander Roman Markowski, Information Systems Engineering
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 Biomedical Engineering**
- Laura Valeria Mayor, Space Systems Engineering**
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- Van M. Mccarren, *Information*Systems Engineering**
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 Engineering
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- Sabrina Nicole Mcconoughey, Information Systems Engineering
- John Connor Mcgeough, Electrical and Computer Engineering
- Brittney Sierra McIntosh, Technical Management
- Patrick Thomas Mclaughlin, Electrical and Computer Engineering**
- Britton Thomas McMahon, Systems Engineering**
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- Sarah Ann Meehan, *Cybersecurity***
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- Benjamin Isaac Miller, Applied and Computational Mathematics
- Grant Thomas Miller, Systems
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- Kendra Lynn Miller, *Technical Management*
- Travis C. Miller, Systems
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- Rebekah Chantel Mills, Cybersecurity
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- Arunesh Mittal, Computer
- Rahmath Syed Mohamed, Space Systems Engineering
- Andres A. Monterrosas, Electrical and Computer Engineering
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 Management**
- Ali Effaren Morales, Systems Engineering*
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- Raghavendra V. Motamarri, *Technical Management**
- Edward Charles Mulhern, *Applied Physics*
- Luis A. Munoz, Space Systems Engineering
- Miranda Cayman Myers, Computer Science
- Jamie Alexis Nakawatase, Space Systems Engineering**
- Alexander P. Nathan, *Electrical* and Computer Engineering
- Daniel Navarro Perez, Computer Science**
- Claire Nguyen, *Computer* Science
- Hieu Trung Nguyen, Computer Science
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- Darryl James Nixon, Computer Science**
- Seyed Davood Norouzi, Applied Biomedical Engineering*
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- Rebecca Michelle Oaks, Environmental Engineering and Science
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- Rahman A. Oridedi, Information Systems Engineering**
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- Dominic M. Padova, Applied and Computational Mathematics
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- Joseph Lewis Valeriano,
 Systems Engineering
- Ryan Mitchell Van Soelen, Computer Science
- Emmanuelle Vargas Gonzalez, Computer Science
- Prashanth Venkateswaran, Security Informatics**
- Subramaniam Mukund Venkitachalam, Environmental Planning and Management**
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- Jeffrey A. Wallace, Computer Science
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- Peiyu Wang, Security Informatics**
- Sean Sen Wang, Electrical and Computer Engineering
- Shuai Wang, Security
 Informatics**
- Weizhou Wang, Security
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- Zuo Wang, Security
 Informatics**
- Sagar Sunil Wani, Security
 Informatics**
- Allyson Marie Ward, *Technical Management***
- Dexter Laurence Ware, Computer Science**
- Kyle Andrew Warner, Technical Management**
- Manan Wason, Security
 Informatics**
- Adi Wasserman, Space Systems Engineering
- Robert Wayland, Computer Science**
- Jacob Weiss, Financial Mathematics
- Michael Brett Welch, *Applied Physics*
- Joseph Bradley Welsh, Systems Engineering**
- Joshua Wessling, Computer Science**
- Matthew Hunter Westerfield, Computer Science**
- Larry S. Whitlock Jr., Systems
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 Electrical and Computer

 Engineering

- Benjamin Michael Williams, Information Systems Engineering**
- Herbert Wilson IV, *Technical Management*
- Chon Alexander Winger, Computer Science
- Stefan E. Wisniewski, *Applied Physics***
- Claire Emily Witherington-Perkins, Applied and Computational Mathematics
- Christopher M. Wolf, *Systems Engineering***
- Matthew James Wolf, Computer Science
- Carole K. Wolfe, Applied
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- Patrick C. Wolfram, *Electrical* and Computer Engineering*
- Katherine M. Woolls, Electrical and Computer Engineering**
- Michael Phillip Woudenberg, Systems Engineering
- Adrienne Dale Wray, Electrical and Computer Engineering
- Shanshan Wu, Geography and Environmental Engineering
- Robert Michael Wurtz III, Cybersecurity**
- Yiming Xie, Security
 Informatics**
- Sopheap Ya, Cybersecurity*
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- Yamajala, Security
 Informatics**
- Zimo Yan, Computer Science*
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- Jingcheng Yang, Security
 Informatics**
- Erin Yi, Systems Engineering Kaun Jiun Yim, Electrical and Computer Engineering**
- Bret James Yon, *Applied Physics*
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- Miao Zhang, Security
 Informatics**
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- William Zhang, Applied Biomedical Engineering*
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- Xinrui Zhong, Geography and Environmental Engineering**
- Yuxi Zhou, Geography and Environmental Engineering** Brice Zoh, Computer Science**
- Haofei Zou, Data Science*

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- Mehwish Zuberi, *Technical Management*

Masters of Science in Engineering Management

- Khushal Agarwal, Engineering Management**
- Shashank Agarwal, Engineering Management**
- Joseph Odianose Akoun, Engineering Management
- Rohan Bholla, Engineering
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- Shreyendra Garg, Engineering Management**
- Joan M. Golding, Engineering
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- Barghav Hariharan Subramony, Engineering Management**
- David A. Hidinger, *Engineering Management*
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 Management**
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- Carolyn Ma, Engineering Management**
- Sai Shreya Madabhushi, Engineering Management
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- Omar Jonathan Saul, Engineering Management
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Masters of Chemical and Biomolecular Engineering

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Masters of Engineering Management

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Masters of Materials Science and Engineering

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Masters of Mechanical Engineering

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Fozia Ahmed, Nanobiotechnology

Graduate Certificates

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Masters of Science

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Masters of Science in Applied Economics

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Masters of Science in Bioinformatics

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Masters of Science in Biotechnology

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Masters of Biotechnology Enterprise and Entrepreneurship

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Masters of Science in Energy Policy and Climate

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Masters of Science in Environmental Sciences and Policy

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Masters of Science in Government Analytics

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Masters in Individualized Genomics and Health

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Lucas A. Corcodilos, Physics
and Astronomy*

Sumit Dahal, *Physics and Astronomy**

Sean T. Delehanty, *History** Stephen Ross Dempsey, *Mathematics*

Aniruddha Dey, Chemistry** Nicole Virginia Dickerson, Cognitive Science

Luize Anna Eihmane, *Political Science*

Stephanie R. Erev, *Political* Science**

Lauren B. Feldman, History*
Daniele Frescaroli, German
and Romance Languages and
Literatures**

Tara Renee Ghazi,

Psychological and Brain
Sciences

Fereshte Ghorbani, *Chemistry***

Brian Adam Green, Economics* Chenxiao Guan, Psychological and Brain Sciences

Bryne A. Hadnott, Earth and Planetary Sciences

Kalina Valentinova Hadzhikova, *History**

Stefan Andrew Harry, *Chemistry***

Maye Lan Henning, *Political Science*

Pablo Daniel Hernando-Kaminsky, *Economics**

Wai Ting Hung, Physics and Astronomy*

Joshua A. Kable, *Physics and Astronomy**

Hirofumi Kawaguchi, *Political* Science**

Patrick J. Kennedy,

Mathematics

Holly Howell Koogler,

Sociology**

Caitlin Brooke Lansing, History*

Jiwon Lee, Sociology**

Joong Hoon Lee, Near Eastern
Studies**

Edward Li, *Mathematics** Celia P. Litovsky, *Cognitive Science**

Ning Liu, Mathematics**

Tiantian Liu, Sociology**

Yi Luo, *Physics and Astronomy** Cara Mia Maritz, *Philosophy*

Mary Alice Marshall, Chemistry**

Chalynette Joan Martinez-Martinez, *Chemistry*

Orville Eugene Mayberry III, *Molecular and Cellular Biology*

Richard Thomas McCoy,

Cognitive Science**

Benita Maria Menezes, *Anthropology**

Molly Erin Menzel, Earth and Planetary Sciences**

Jamie Leigh Miller, Earth and Planetary Sciences

Rhiannon Nicole Miller, Sociology**

Diego Emilio Morett Aguilar, Chemistry

Morgan E. Moroney, Near Eastern Studies**

Perry Samuel Moskowitz, Political Science*

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Kyriaki Neophytou, *Cognitive* Science**

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Hiroya Nishikawa, *Physics and Astronomy***

James Michael O'Donnell, *Molecular and Cellular Biology***

Mahmoud Osman, Earth and Planetary Sciences**

Keisuke T. Osumi, *Physics and Astronomy**

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Andrew J. Patera, *Chemistry*Corey Robert Payne, *Sociology*

Alejo Manuel Perez-Stable Husni, *History*

^{*}Degree conferred August 24, 2018

^{**}Degree conferred December 28, 2018

Kombah Pessima*

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Physics and Astronomy*
Danilo Piana, Classics
Patricio Pichling, Chemistry
Alexander John Profaci,
History

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Arpan Roy, Anthropology**
Atousa Saberi, Earth and
Planetary Sciences*
Erick Charles Sadler

Erick Charles Sadler, Chemistry*

Grusha Sai Prasad, Cognitive Science**

Emily M. Sanford,

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Sachi Sanghavi, Cognitive Science*

Garima Shah, Psychological and Brain Sciences

Neta Ariel Shwartz, Molecular and Cellular Biology*

Mahetabel Pavel Solis Montes, *Economics***

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Kristin Showalter Sotzen, Earth and Planetary Sciences*

Sadhwi Srinivas, Cognitive Science*

Benjamin O. Stephens, *Chemistry**

Adam Thomas Strickland, Chemistry

Canon Sun, *Physics and Astronomy**

Zekun Sun, Psychological and Brain Sciences

Eric Steven Thompson,

Chemistry*

Rachel M. Thorman, *Chemistry*David Kelly Tian, *Political*Science

Himanshu Verma, *Economics**Hector Kevin Vivanco, *Chemistry*

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Vishal Yadav, Chemistry*

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Vishal Yadav, *Chemistry** Chi-Hui Yen, *Economics** Sahan Yildiz, *Economics*** Qian Yu, *Psychological and*

Brain Sciences Chenxiao Zeng, Physics and

Astronomy*
Tongli Zhang, Economics*
Tong Zhou, Economics*
Hongru Zhu, Cognitive
Science**

Master of Arts in Applied Economics

Dean Marcus Henderson

Masters of Arts in Communication

Nisreen Ahmed Hamdi Abdellatif Tanzila Anisa Ahad** Fahad Al Saud Holly Avera Abdelmounem Babiker* Margaret Ross Badding* Nouf Ali Bakhsh Jennifer Beltz Camille Victoria Beredjick* Nkongho Beteck Amanda Marie Bobenhouse* Anne P. Brackemyre Caitlin Dawn Butler** Lee R. Caughron** Jacob Niles Chambers Runving Chen* Elise Marie Cleva** Luisa T. Cole** Cody Joe Craynor* Loryn Dionet Crittendon** Shiyu Cui** Yao Cui

Leah Rose Dalton**

Karen Prucha DeMay

Laura De Santis**

Siliang Deng Connor Joseph Drew Noel Dominique Dufrene RaeAna Eiley* Maria K. Figueroa Jane Charlotte Gengel* Jordan P. Goldfarb** Katherine Blakely Goldsmith Robert Michael Gutnikoff* Margaret Aitken Haggerty** Stephanie Anne Hatcher Jessica Rose Higgins* Haneen Nitham Hindi Alexandria Leigh Icenhower** Hannah Elizabeth Jackson* Ran Ji** Qingxiao Jin** Zeena Kanaan* Janelle Kelly Anisha Anne Lal Matthew Peter Lara** Jesse James Larch**

Anisha Anne Lal
Matthew Peter Lara**
Jesse James Larch**
Samantha Lynn Larrick*
MaryKate Elizabeth Lavan
Bombe Lee
Seryeung Joy Lee
Lisa Lehimdjian*

Lisa Lehimdjian*
Jingyi Leng**
Jiaxin Li**
Ellen Melissa Lichtenstein

Robin Michelle Lindner Ruigi Liu**

Yilan Liu

Alejandra Lopez de Alba Gomez

Mia Brittnee Mack**

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Brant Allen Mills* Abdallah Ben Mohammed

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Laura Mushaukwa** Hope Marie Myers

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Master of Arts in Cultural Heritage Management

Melissa Jo Barbeau-Thiede

Masters of Arts in Film and Media

Yasmine Zinbi*

Sumaiya Chowdhury Ananna Kamesha Brinson Shiyun Freya Fang Joan L. Floyd Lu Liu

^{*}Degree conferred August 24, 2018
**Degree conferred December 28, 2018

Clarke Mckenzie Lyons
Jiali Ma
Anthony Mickey II
Bradley Matthew Mutchnik
Nicole Danielle Powell
Emily Hay Symington**
Maeve Riordan Tierney**

Masters of Arts in Global Security Studies

Alexandra Luisa Berkowitz** James Stuart Blundell III Charles Carroll* Benjamin Ezra Chinsky Mark Ashton Cope Jr.** Matthew Francis Coughlin Arielle T. Cronig Christopher Joseph Dellaporta* Rebecca Katherine Eshelbrenner* Richard Craig Fields** Blake Isaac Franko* Margaret Hale Gallagher** Clifford James Gere** Nick Henry Goracy* Elizabeth Ann Haverty* David Horner Herndon** Sheena Lee Hutchison Zhandos Bakhytbek Imanaliyev Neda Jafari William Benjamin Kiernan Kathryn Paige Krinsman Avatar LeFevre** Erik Michael Lincoln Veronica Cheyenne Lowman Emily Jane Markee Caleb Rene Marquis Cailey Ann Moellman Franklin Fernando Montano Mark Allan Munson Jr. Jason Neuringer* Daniel Owins* John David Papatheofanis** Yolanda Faye Peterson-Jones Jason Reeder Clayton Patrick Richardson** Jordana Samantha Schmierer** Samuel Joseph Schumach** Kevin Morris Schvaneveldt Anthony Lee Staskowski Heather Jean Stone*

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Tara M. Thomas**
Brenen Anthony Tidwell**
Joel David Ucciardi
Ayesha Siddiqua Vaid**
Patrick Reed Weaver
Rachael Shayna Weiss*
Spencer Jennings Whitaker**
Eric Lee Williams*
Shaina Marie Williams
Gabriella Irene Zach
Amitai Segal Zuckerman**

Masters of Arts in Government

Sajan Anjali Ahuja** Jason David Alinsky* Daniel Christopher Alles Katherine Ann Applebaum** Andrew Horton Armstrong James Patrick Bagg** Nicholas Michela Bellomy Andrey Beregovskiy Ioshua Michael Brandon** Elisabeth Hannah Chamberlain Aiden Chang Meaghan Lee Chelucci Walter Phillip Clark** Robert Charles Courain III* Brittney Ann Fairman** Aaron Robert Justin Fettgather Jacqueline Renee French** Courtney Vaughn Galatioto* Andrew Ignatius Guernsey** Haley Carole Halverson Aya Harb* Joseph Luis Harper** Lemoyne Joseph Henry Joel Micah Holmstock Matthew Aaron Kennedy Sean Richard Kibby* Glenn Wilden Lawrence Ethan Ray Lazuk Min Jung Lee* David Mark Levenson* Justin Roger Lynch* Michael Lyons Jason Karl Margaritis* Ryan Patrick Martin** Malcolm Dugan McGeary* William Macfarlane Minor

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Masters of Arts in Museum Studies

Christine Jin Bang Karla Judith Barron** Lauren Alyse Bearman** Debra Ann Beheler Samantha Lucia Belivakici-Clever** Marena Christian Bleech* Ameena Bossier* Meghan Elizabeth Bowyer* Lorenzo S. Bright Samantha Nicole Brooks** Hannah Julie Buchanan** Jessica Leigh Burdette** Kimberley A. Bush Melanie Sembrano Castillo Angela Maria Cavallucci** Ednah Michele Chapman

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Nicole Negron**

^{*}Degree conferred August 24, 2018

^{**}Degree conferred December 28, 2018

Meredith Marie Passey Victoria Pittl** Hannah Ruth Poropat Corey Adelia Purtell** Gabriella D. Roman Christopher Robert Rudisill Katherine Rose Saint John** Jennifer Elizabeth Salvetti-Kulla Clara Eugenia Samayoa* Angela Schlangen Erin Nichole Schmitz* Hannah Elizabeth Sedlak Suzanne Duvall Slabaugh* Mallory Marcia Spann** Laura Elizabeth Stagliola* Jean Tabbert Kristina Marie Taylor* Wynanda Ethel Tribaldos Liane Gabrielle Ullom Joshua Aaron Wartman** Ashley Cristine Weller* Jonelle Wilson** Jeana Caldwell Wunderlich*

Masters of Arts in Public Management

Rebecca Paige Ackerman Ali Saeed Ali Aldhuhouri** Aminata Bah* Justin Ross Carlson Bryant Conkling** Meghan Lea Fitzgerald Hannah G. Garber Micah J. Gaudet* Marc Edward Geller* Max Alexander Green Jean J. Gwon** Eun Gyo Jung** Rachel Loftin Mahmud* Lorri Wood Marlow Juan Antonio Marquis-Knight Bryan Christopher Martin** Laura K. McDaniel David Patrick McDonald** Lukwesa Kezia Morin** Brett Richard Nelson* Jim H. Ong Yaesul Park* Sarah Grace G. Parr John Charles Richardson

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Lauren Kathleen Vessey
Monica Kathleen
Welsh-Loveman
Valerie Charlene Williams*
Yunhe Xie**
Qiaoshan Yang
J.Y. Yoon**
Sheng Zhang

Masters of Arts in Science Writing

Aimalohi Ayobami Acquah

Ava Alsubai Amy Lynne Androff Kerry Elizabeth Benson** Carly Marie Britton Greg Brost** Ellen Brown Daniel L. Brubaker** Allison Elizabeth Capley Warren Lewis Duffie Jr.** Karen L. Elkins Magdalyn Elyse Fiore Bill Gourgey Mary Ellen Hill Tara Holley** Anna Alexandria Hopkins** Bushraa Salim Khatib** Lydia West Martin** Deanna D. McCool** Sandra Terwilliger McVearry Saheel Mayank Mehta* Bronte Elise Pearson Leanna Nicole Rinehart Malissa Nicole Rodenburg** Lori Shridhare Rachel Kathryn Spurrier Patricia Steckler Cherie Rachelle Stoll Elizabeth Anne Thompson** Jamie Wecker Karalee Anne Whiting** Kathleen T. Willett

Jacob Sam Williamson-Rea**

Masters of Arts in Teaching Writing

Kathryn Hope Cammareri* April L. Dickey Bobbi Ann Kidd Maureen Bouvier Ramey Melisa Wilmot**

Masters of Arts in Writing

Robert J. Alphin**

Yuval Dan Bar-Or** Kirondeep Singh Bhandari** Garrett Michael Carlson Madigan Baughman Gracey Meghan Kathleen Herlihy Brooke Elizabeth Hermanson** Charles Michael Hon** Rachel Leah Kozloski Denise Longo-Schoeberlein** Pamela Elizabeth McFarland** Claudine Ann Mininni Ivoti Minocha** Kara Daliha Musina Mutuli** Morgan C. Reid** David Everett Reynolds** Kyle Sellers Julie Summers Walker

Masters of Liberal Arts

Cristie Marie Alfonso** Hussain Mohammed Al-Ismail** Shaima Almulla Curt Jeffery Bachman Kevin Mitchell Bair** Michael Dean Bobo** Jerrod Allen Bryson** Rebecca Lynn Burton Mary Elizabeth Shelby Cain* Tonia D. Calabretta Candice Joel Carnes** Edward Taeha Chung** Samuel De Lano** Bertram Scott England Bryon L. Garner Merafe Gedewon Thomas William Gregg Healani Michelle Harper Ashley L. Hartman*

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Certificates in Biotechnology Enterprise

Vincent Raffaele Del Signore** Karen C. Kabonge** Richard A. Ramos** Claire Elizabeth Stamborski*

Certificates in National Security Studies

Brigitte Rebecca Steinberg-Hines**

Graduate Certificates in Geographic Information Systems

Leshi Chen*
Rebecca Irene Decker**
Kristina M. Frazier**
Ethan James B. Gilbert*
Zachary Hicks**
Patrick Shing-yan Lau
Khilia Chantal Logan
Martha Isabel Mendoza*
Kristina Marie Nayden*
Mark Walden Wilkinson*

Post-Baccalaureate Certificates, Premedical Program

Andrew Ahn George Mcdevitt Anderson* Marquis Berrey Lee Clyne Koral Cohen John Donald Dreyzehner Michael John Dubinski Jessica Anne Flickinger Alyssa Ageye Godfrey Soohwan Jung Kian M. Larijani Melissa Alexandra Major Tyler Elizabeth McClung Jeffrey Brian Petigrow Natalie Jean Photiadis Manuela Carolina Plazas Montana* Cecilia Portwood Tyler Mitsuji Pugeda Harley Lauren Roberts Amanda Rubano* **Iillianne Santos** Morgan MacKenzie Snow Christopher Douglas Streiffer Kelsey Talty* Ashley Lauren Terry Yunmeng Wang Rebekah Jean Warren David Andrew Zarrin*

Post-Baccalaureate Certificates in Digital Curation

Katie Noel Fisher Stephanie Grace Palmer* Brian William Rayca** Kristina Marie Taylor* Connor Ryan Toole**

Post-Baccalaureate Certificates in Government Analytics

Anna Kathryn Collura* Max Alexander Green Franklin Bobino Tokam-Powell** John William Weisz*

Post-Baccalaureate Certificates in Intelligence

Nicholas Arciniegas Katie E. Bowen** Nathaniel Edward Brown Matthew Paul Cibery Clifford James Gere** Sheena Lee Hutchison Neda Jafari David Mark Levenson* Erik Michael Lincoln Veronica Cheyenne Lowman Juan Antonio Marquis-Knight Cailey Ann Moellman Abigail E. Moore* Mark Allan Munson Jr. Susan Duff Rossi Jordana Samantha Schmierer** Anthony Lee Staskowski Jacob Micah Stephens** Brenen Anthony Tidwell** Patrick Reed Weaver Spencer Jennings Whitaker** Shaina Marie Williams J.Y. Yoon**

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Post-Baccalaureate Certificates in Science Writing

Janice Esser** Natalie Parletta

Post-Baccalaureate Certificates in Science, Technology and International Security

Abha Arora**
Meghan Laura Butts**
Charles Andrew Hollenbeck*
Jensen William King
Suven Prakash Nair
Julianna Pianelli**

Post-Baccalaureate Certificates in Teaching Writing

Patricia Marie Shine**

THE SCHOOL OF EDUCATION

Bachelors of Science

Jeffrey Robert Hamilton Sr.,

Management*
David W. Kitzinger,
Organizational Leadership**
David B. Marshall,
Organizational Leadership**
Ben Rodriguez, Organizational
Leadership**
Joseph R. Rose, Organizational
Leadership**
Daniel T. Sheffield,
Organizational Leadership**
Robert A. Veronesi,
Organizational Leadership**

THE PEABODY CONSERVATORY

Bachelors of Music

Charlotte Suzanne Bagwell, Voice

Madelynn Victoria Brightbill, Viola

Mercy Anne Calhoun, Music Education Olivia Castor, *Harp*Rahzé Cheatham, *Voice*Cheng-Chia Chiu, *Violin*Jordan D. Colquitt, *Guitar*Alexandra KC D'Amico, *Viola*Andrew Jerome Dardis, *Flute*Jordan Alia Dinkins, *Horn*Samuel Corrado Dugo, *Double Bass*

Eric P. Engler, Recording Arts and Sciences

Cameron B. Falby,

Composition

Yi-Chen Feng, Piano

Ernest Alexander Cross

Yunhan Gu. Piano

Ernest Alexander Green, Guitar; Recording Arts and Sciences

MengYing Han, Oboe Winston Malik Harris, Double Bass; Music Education

Jeremy Thomas Hassell, *Piano* Atticus Jahn Hebson,

Composition; Recording Arts and Sciences

Katherine Holobinko, *Voice*James Benjamin Hoyt, *Recording Arts and Sciences*Timothy J. Jones, *Piano*Thea Kammerling, *Harp*

Eric Kantor, Computer Music Composition; Recording Arts and Sciences

Christian Kazmierski, *Viola* Rachel Elizabeth Tucker Keene, *Double Bass*

Grace Y. Kim, *Violin* Yeji Kim, *Violin* Marcella Jo Kolacki,

Violoncello Anastasia Kupstas, Recording

Arts and Sciences

Robert Austin Lingerfeldt,
 Music Education; Tuba

Christine Liu, Composition

Sojourner McClure, Guitar

Alyce McNulty, Voice

Mateen Asad Milan, Bassoon

Jacob Niemann, Bass
 Trombone

Doyoung Park, *Piano* Setareh Parvaresh, *Viola*

^{*}Degree conferred August 24, 2018

^{**}Degree conferred December 28, 2018

Luke Morrison Reilly, *Double*Bass

Xingqiao Ren, Violoncello Alexander Timm Ringo, Computer Music Composition

Ethan W. Sandman, *Violoncello*

David Brian Sexton, *Voice* Fangming Shen, *Violin*

Jung Min Suh, Piano

Kahler John Suzuki, Violoncello

Thomas Rousseau Swain, *Voice*

Man Hon Ambrose Tang, *Trumpet*

Yu-Chu Teng, *Violin* Chadwick Glenn Thomas, *Clarinet*

Noah Tingen, Horn

Pirapat Tokiatrungruang, Piano; Recording Arts and Sciences

Nuowen Tu-Wang, Computer Music Composition

John Patrick Wagner, Trumpet Chenguang Wang, Trumpet Infinity Jazz Willner, Guitar Ryan Andrew Yacos, Recording Arts and Sciences Lorenzo Zapata, Voice

Mei Zhan, *Violin* Yunling Zhang, *Piano* Meimei Zhu, *Composition*

THE G.W.C. WHITING SCHOOL OF ENGINEERING

Bachelors of Science in Applied Mathematics and Statistics

Eren Aldis
Alexander Yeh Bai
Zackary D. Baker, also
Economics
Sarah Elizabeth Banker, also
Economics**
Saksham Bhandari, also
Economics
Jeffrey A. Braun
Henry Curtis Carpenter

Muhe Chen

Andrew Gerrit Church Jr., also Economics

Alexander Joseph Collins, also Economics and Spanish

Johnathon Paul Cook

Samuel M. Dayan**

Richard Pengfei Ding*

Jingya Fang, also Economics and Mathematics

Leirong Feng, also Economics International Studies

Benjamin Maxwell Fried, also Economics, Mathematics, and Physics

Michael Anthony Gallagher

Ali M. Geisa

Charles Philip Gulian

Hayden Sullivan Helm**

Yujing Huang, also Economics

Vidur Kailash

Omer Hikmet Kama, also Economics**

Patrick J. Kennedy, also Economics and Mathematics

Joseph K. Klein, also

Economics and Mathematics

Aksel Kohen, also Economics

Connor John Krill

Thomas Labarca**

Jaewon Lee, also Economics and Cognitive Science

Keehoon Lee

Patrick C. Little, also
Economics and Cognitive
Science**

Jared Michael Macneill

Tyler J. Messinger

James E. Paek, also Economics

Samuel Lawrence Randall, also Economics and Public Health Studies

Simone L. Robbennolt

Alex H. Rodriguez

Thomas Spencer Sargent, also Economics and Psychology

Michelle Shu, also Economics and Computer Science

Alexandra Kelly Stephens

Karl A. Tayeb, also Economics and Mathematics

Craig Vande Stouwe, also Economics** Jaehyung Woo, also Economics and Cognitive Science

Xiao Xie

Yanyan Yang, also Economics

Peiyong Zhang, also Economics and Computer Science

Aleck Zhao, also Economics and Mathematics

Bachelors of Science in Biomedical Engineering

Chukwuebuka Chinedu Achebe

Zain T. Ali

Alina Keri Andrews

Santiago Appiani**

Punthitra Arpornsuksant

Ganesh C. Arvapalli

Alaleh Azhir also Computer Science and Applied Mathematics and Statistics

Anna Claire Bailey

Santiago E. Balza

Shain Gabriel Bannowsky

Nolan A. Benner**

Alonso Luis Bernal

Elif Bilgin also Computer Science

Fatima A. Bouftas

Zacharv H. Buono

Edward Cai

Domonique Infinity Carbajal

Alexander W. Chang also Computer Science

Pamela Ann Chansky

Arden Rei Chew

Hyung Kyu Choi**

Zi-Yi Choo**

Elysia Yang Huo Chou

Zenny Ted Chu also Applied

Mathematics and Statistics

Michael John Crockett

Andrew Igor Efimov also Electrical Engineering

Damali Okwesiwa Egyen-Davis

Sanjay Kumaren Elangovan

Najwa A. Faqih

Matthew William Fernandez

Paige F. Frank also Computer Science

Shravya R. Gogula**

Xavier Orlando Griffith

Huizi Guo

Ananya Gupta

Youn Seon Han*

Abhinav Harish also Applied Mathematics and Statistics

Austin D. Hartman

Nicholas Hou

Daniel Huang**

Eric Chen Huang also Applied
Mathematics and Statistics

Andrew K. Jin

Kriti Jindal also Applied

Mathematics and Statistics

Karun Kannan *also Computer* Science

Prasiddha Karki *also*Computer Science

Shipra Khatri

Dongwoo Kim

Talia M. Kirschbaum

Jordan Elizabeth Kreger

Jacqueline Francesca Lanzaro

Jae Hwan Lee

Sarah M. Lee

Allison Debra Lemmer

James R. Li

Zhou Li also Applied

Mathematics and Statistics

John Howard Lin *also*

Mathematics Jessica Zexin Liu

Ming Yang Lu also Applied
Mathematics and Statistics

Cristina Elena Madalo

Isabella Martinelli**

Christopher Mejia

Momin M. Mohis also

Economics

Jared Jeffries Mosher

Olivia Marie Musmanno

Patrick E. Myers**

Ryan B. Najmi

Rohan Sumedh Panaparambil

Haochen Peng

Austin Paul Petronack

Adam C. Polevoy

Vincent Qi

Calvin Qian

James Haoquan Qin**

Nicholas Phillip Radant

Sondra Miriam Rahmeh

Sandhya Candace Ramachandran also Applied Mathematics and Statistics Dahlia F. Rohm** Shayan Roychoudhury Nicholas Christian von Sass Alexis Kayla Scholtz Christopher D. Sears Jamie Erin Shade Suraj H. Shah Kamran Asad Siddig Michael Vito Signorelli also Electrical Engineering Parth Singh also Computer Science Brooke Alexi Stephanian Chanon Thanitcul also Applied Mathematics and Statistics Sonia Trakru Linh Thi My Tran also Applied Mathematics and Statistics Niki Natalia Tselepidakis also Spanish Gulay Bengu Ulukaya also Applied Mathematics and Statistics Richard Seung Woo Um* Kesava Rao Varanasi Xuejie Victor Wang also Applied Mathematics and Statistics Jacob Shi Wei* Vincent Wu* Justin Xie Yan Jack Peng Ye also Applied Mathematics and Statistics Evelyn Chong-Lin Yeh** Walter Zhao Kevin Zhu also Applied Mathematics and Statistics

Bachelors of Science in Chemical and Biomolecular Engineering

Nicole Sophia Zinger

Antoinette Michelle Abate**
Janet Adejoke Aiyedun also
Natural Sciences Area
Diego Alba Burbano
Alp Albay also Applied
Mathematics and Statistics
Kelvin Alexis Alvarez

Imaan Sikina Amlani Simon David Barnett* Altarash Barthakur Stephen R. Brao also Spanish** Ruoqing Cai Salvatore Marco Caruso Joseph Richard Cavallo IV Piyada Chaiyakiturajai Jonathan Ernest Chen Theresa Yu Chen Siu Yan Nicole Cheng Craig Abraham Chikis also **Economics** Matthew Gee Chin Rira Choi Mark Evan Ciccaglione Louis Brian DeRidder Jose Carlos Diaz Sammy Terefe Dixon Nisita Dutta Leena H. El-Mufti James Liang Fang Rachel Alexandra Fitzpatrick Shannon Marie Flanary Elysia Livia Gao* Hayden J. Good Rayyan M. Gorashi Kristyn Lissette Green Thomas Carl Grifa* Tarush Gupta Nicole Eva Hernandez Oliver Richard Frost Hickson Chi-Ying Ho** Nupur Jain also Applied Mathematics and Statistics** Peter Y. Ji** Yoon Ki Joo Benjamin A. Kaminow Namir Khalasawi Courtney Lynn King** Urszula Krekora Peter M. Lazorchak also Computer Science Sang Hyuk Lee Teresa Angela Lee Chih Hsun Lin Christopher Tiger Lin

Farrah Lin

Darren H. Loh**

Sebastian Lozano*

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Wadia Mahzabeen** Mark Mao also Biology Calixto Mateos Salles Sean Michael McCracken Elizabeth G. McGonagle** Kyle A. Morris Natalie K. Myers Janani Virinchipuram Narayan** Charles Ndiaye Jeyani Virinchipuram Narayan Charles Ndiaye Madeline A. Noble Sam Walton Norwood also Materials Science and Engineering Richard Joonyup Oh Shih-Hao Ou* Anusha Patel Ashish Abhayakumar Phal also Applied Mathematics and Statistics** Matthew D. Pressman Natalia Rincon Lucia M. Sablich Nerea Nerea Sanchez Cortes Michael Shen Gabriel Francis Blagdon Sinclair Pragya Singh** Jarrett A. Smith Talis Glijn Ilian Spriggs Luce Garlene St. Surin Matthew Ryan Sy Tan* Benjamin Thomas Toler Arturo Ruben Toro Paul Andrew Vallejo Varun Subramaniam Venkatraman Catharine Ann Wain Joanna Y. Wang Cameron Jamaal White Daniel Xenes Xenes Albert Kai Yang Ying Ye

Bachelors of Science in Civil Engineering

Mallika Akhtar
Valentina D'empaire
Eric Michael Ditchek
Karl Friedrich Ehlert
Harrison Bray Folk
Michael L. Kearns
Claudio Briones Malicdem III
Rachel Lily Neiman
Kyle John Shannahan also
Economics
Benjamin Andrew Sokol
Erin Elizabeth Todaro

Bachelors of Science in Computer Engineering

Laura Frances Campbell
Sarah Jillian Denenberg
Michiru Kawai Fredricks also
Electrical Engineering
Anthony Garay
Xinyi He
Morgan Tipper Hobson
Justin Michael Joyce
Seungeon Lee
Arpad W. Neale
Irving Isaiah Nestor
Sahil Kartik Shah
Nicholas P. Skacel also
Computer Science
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Bachelors of Science in Computer Science

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Taliah Renee West**

Cynthia Yijie Wu Yae Eun Yang also Medicine, Science and the Humanities

Karina Nicole Wohlhieter**

Adrian Marco Wowk

Science and the Humanitie
Joanna Zhao Ye
Alexandria Yu
Laetitia X. Zhang
Qihan Zhu also Natural
Sciences Area

Bachelors of Arts in Sociology

Kwame G. Alston
Irene Bantigue
Enio Giovani Castellanos
Caroline Walker Hylton*
Mindy Kim also Natural
Sciences Area
Pava Marie LaPere
Alexandra Olimpia McManus
also International Studies
and Latin American Studies*

*Degree conferred August 24, 2018
**Degree conferred December 28, 2018

Alexandra Esther Seward Brianna Marie So also International Studies Nicholas Toussaint Warren-Mohr David Jesse Zeger also

International Studies

Bachelors of Arts in Spanish

Cori Anne Michibata**

Bachelors of Arts in Writing Seminars

Celine Raphaele Arar also Medicine, Science and the Humanities Emily A. Bascom Kiana R. Beckmen also History of Art Lucas J. Bednarek Sameer Manish Bhatia Hayley Nicole Bronner Natale Emilio Bruno** Sarah Elizabeth Crum Cooper Dalton Donoho* Anne Meredith Duncan Teja Janai Barnes Dupree Lucy Gallagher Eills** Michael G. Feder also Film and Media Studies Claire Louise Fox Jacob Marklew Golden** Stephanie Elizabeth Haenn also International Studies Megan Linn Hennessy** Hannah Hebin Jeon

also Psychology Theodore Joseph James Kranidas

Jaeyoung Lee

Katie H. Luo also Film and Media Studies

Giovanna Eva Molina also Film and Media Studies

Joseph Ian O'Connor-Giles

Jayne Katherine O'Dwyer

Joanne Hearan Oh also English

Morgan Hikaru Ome also Italian

aiso nanan

Julia Marie Pacitti

Lauren Maurine Kai Fa Padilla also Medicine, Science and the Humanities

Chase Lukas Clavel Palanca

Jaimie K. Patterson

Meagan M. Peoples also Chemistry

Sabrina Mignon Pyun

Utkarsh Singh Rajawat*

Daria Nicole Ramos-Izquierdo

Nicholas Michael Reed also

Film and Media Studies

Christina Elizabeth Vargas

Reinhardt

Alyssa Marie Remshak**

Riley Anne Roberts

also Psychology

Laura C. Schelong

Alexa Schwartz also French

Lucie Rose Smul also

Political Science

William Baldwin Snyder IV

Shelby D. Sprigg**

William Robert Stanton*

Stephanie Amy Summerfield

also Psychology

Hannah Lee Thorpe

Rachel Lynn Underweiser

Lauren E. Vogelsang

also Spanish

Claudia Wang**

Hailey M. Williams

Kiera Emiko Wolfe**

Marcia Ariel Zimmerman

^{*}Degree conferred August 24, 2018

^{**}Degree conferred December 28, 2018

DIVISIONAL CEREMONIES INFORMATION

TUESDAY, MAY 21

The Carey Business School Graduation Ceremony was held Tuesday afternoon at the Joseph Meyerhoff Symphony Hall. Calvin G. Butler Jr., chief executive officer, BGE, was the speaker.

The Bloomberg School of Public Health Convocation Ceremony was held Tuesday afternoon at the Royal Farms Arena. Laurie Garrett, American science journalist and author, was the speaker.

The G.W.C. Whiting School of Engineering Master's Degree Ceremony was held Tuesday morning at the Royal Farms Arena. Tyson Tuttle, president and CEO, Silicon Labs was the speaker.

The G.W.C. Whiting School of Engineering and Zanvyl Krieger School of Arts and Sciences Doctoral Hooding Ceremony was held Tuesday afternoon in Shriver Hall on the Homewood campus. Harold "Hal" Weaver, New Horizons project scientist, was the speaker.

WEDNESDAY, MAY 22

The School of Education Diploma Ceremony was held Wednesday morning at the Royal Farms Arena. Kelly N. Harper, 2019 Washington, DC Teacher of the Year, was the speaker.

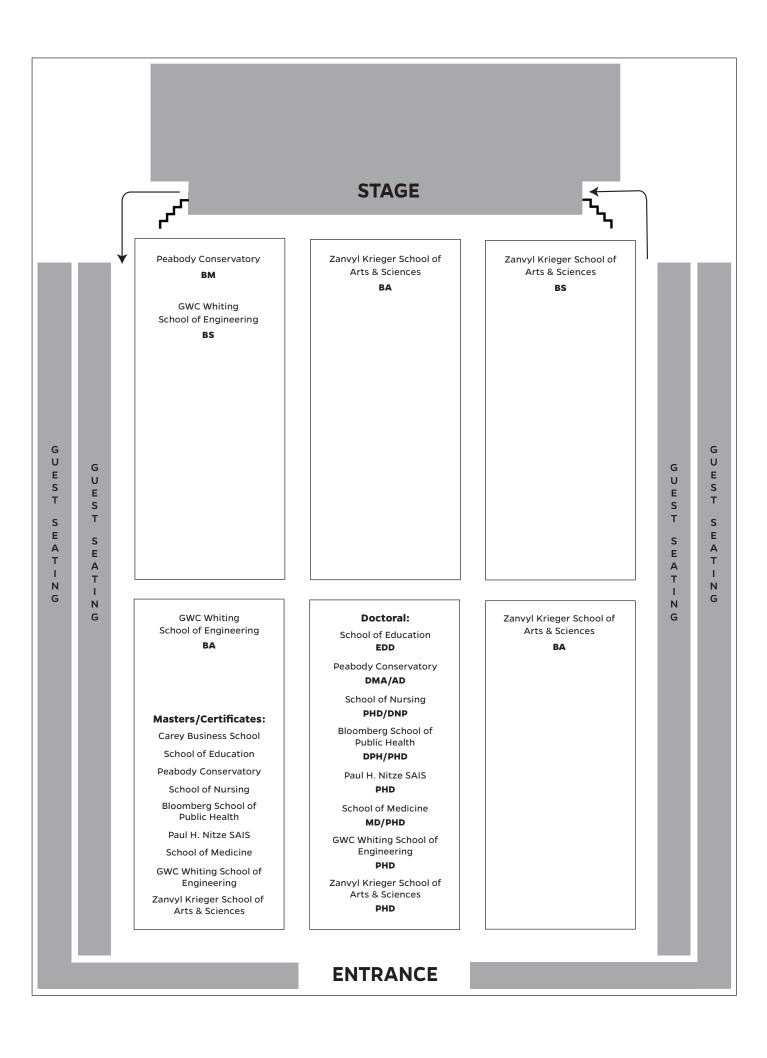
The School of Nursing Graduation Ceremony was held Wednesday morning at the Hippodrome Theatre. Ahrin Mishan, executive director of the Rita and Alex Hillman Foundation, was the speaker.

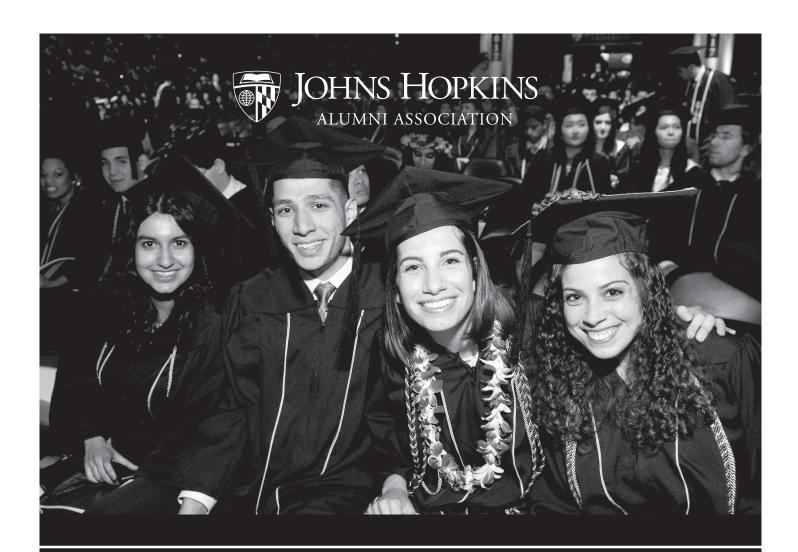
The Peabody Institute Graduation Ceremony was held Wednesday morning in the school's Friedberg Concert Hall. Tori Amos, singer-songwriter, was the speaker.

The Paul H. Nitze School of Advanced International Studies Diploma Ceremony was held Wednesday morning at DAR Constitution Hall in Washington DC. Zeid Ra'ad Al Hussein, former United Nations high commissioner for human rights, was the speaker.

The School of Medicine Convocation Ceremony was held Wednesday afternoon at the Joseph Meyerhoff Symphony Hall. Cori Bargmann, head of science for the Chan Zuckerberg Initiative; Tortsen N. Wiesel Professor, Rockefeller University; head, Lulu and Anthony Wang Laboratory of Neural Circuits and Behavior, was the speaker.

The Zanvyl Krieger School of Arts and Sciences Master's Degree Ceremony was held Wednesday afternoon at the Royal Farms Arena. Rosalie Silberman Abella, judge, Supreme Court of Canada, was the speaker.





CONGRATULATIONS!

WELCOME TO OUR WORLDWIDE ALUMNI FAMILY



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