154th Commencement Exercises

Lehigh University

Sunday, May 22, 2022 Monday, May 23, 2022



Lehigh University Commencement

May 22 and 23, 2022

About Commencement

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College of Arts and Sciences

- 7 Doctoral Degree Recipients
- 8 Master's Degree Recipients
- 10 Bachelor of Arts Degree Recipients
- 13 Bachelor of Science Degree Recipients

College of Business

- 15 Doctoral Degree Recipients
- 15 Master's Degree Recipients
- 17 Bachelor of Science Degree Recipients

College of Education

- 21 Doctoral Degree Recipients
- 22 Educational Specialist Recipients
- 22 Master's Degree Recipients

P.C. Rossin College of Engineering and Applied Science

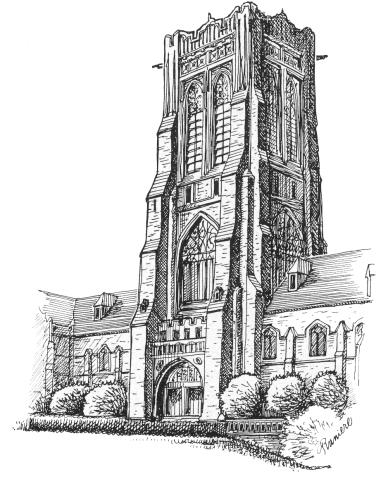
- 26 Doctoral Degree Recipients
- 28 Master's Degree Recipients
- 32 Bachelor of Science Degree Recipients

Interdisciplinary Programs

- 35 Master's Degree Recipients
- 35 Bachelor's Degree Recipients

Academic Honors

- 37 Academic Honors
- 42 Honor Societies
- 44 Departmental Honors
- 45 Academic Awards and Prizes



Alumni Memorial Building

Order of Exercises

Graduate Ceremony

May 22, 2022

The Processional

The Allentown Band "Procession of the Nobles" from *Mlada* by Rimsky-Korsakov "Pomp and Circumstance Marches Nos. 1 & 4" by Elgar

The Invocation Reverend Lloyd H. Steffen *University Chaplain*

National Anthem Led by Mark Andrew Schafer '20 '22G

Welcome Kevin L. Clayton '84 '13P *Chair of the Board of Trustees*

Greetings Nathan N. Urban *Provost and Senior Vice President for Academic Affairs*

Graduate Student Remarks

Praveen Sreeramagiri '22G

Introduction of the Commencement Speaker

Joseph J. Helble '82 President

Commencement Address

Judith F. Marks '84 '13P Chair, CEO and President of Otis Worldwide Corporation

Conferring of Degrees and Doctoral Hooding

Nathan N. Urban Provost and Senior Vice President for Academic Affairs

College of Arts and Sciences College of Business College of Education P.C. Rossin College of Engineering and Applied Science Interdisciplinary Programs

Remarks

Joseph J. Helble '82 President

The Benediction

Reverend Lloyd H. Steffen University Chaplain

Alma Mater Led by Mark Andrew Schafer '20 '22G

Undergraduate Ceremony

May 23, 2022

The Processional

The Allentown Band "Procession of the Nobles" from *Mlada* by Rimsky-Korsakov "Pomp and Circumstance Marches Nos. 1 & 4" by Elgar

The Invocation

Rabbi Steven P. Nathan Endowed Director of Jewish Student Life and Associate Chaplain

National Anthem

Led by Joshua I. Venick '22

Welcome

Kevin L. Clayton '84 '13P Chair of the Board of Trustees

Greetings

Nathan N. Urban Provost and Senior Vice President for Academic Affairs

Undergraduate Student Remarks

Matthew J. Gunton '22

Introduction of the Commencement Speaker

Joseph J. Helble '82 President

Commencement Address

Judith F. Marks ′84 ′13P Chair, CEO and President of Otis Worldwide Corporation

Conferring of Degrees

Nathan N. Urban Provost and Senior Vice President for Academic Affairs

College of Arts and Sciences College of Business P.C. Rossin College of Engineering and Applied Science Interdisciplinary Programs

Remarks

Joseph J. Helble '82 President

Ringing of the Bell Oldrich Foucek III '72 '05P '09P and Michael C. Hurst '22

The Benediction Rabbi Steven P. Nathan *Endowed Director of Jewish Student Life and Associate Chaplain*

Alma Mater

Led by Heather R. Keyser '22



Judy Marks '84 '13P

Renowned business leader Judy Marks '84 '13P is the Chair, CEO, and President at Otis Worldwide Corporation, the world's leading company for elevator and escalator manufacturing, installation, and service. She leads a global team of 70,000.

Marks earned a bachelor's degree in electrical engineering from Lehigh in 1984. Marks' daughter, Sasha, graduated from Lehigh with a bachelor's degree in civil engineering in 2013.

Marks' experience and nearly 40 years in industry span multiple areas in the aerospace and defense, and data and industrial technology worlds, including systems engineering, engineering management, business development, capture, subcontract and program management, business leadership, and executive management. She began her career at IBM Federal Systems, later acquired by Loral and then Lockheed Martin, where she served in various divisional leadership roles of increasing responsibility. She was president of two operating divisions over eight years in transportation and security solutions and distribution technologies.

Marks joined Otis in 2017. She was appointed CEO and President of Otis in June 2019 and elected the Chair of the Otis Board of Directors in 2021. Prior to Otis, Marks served as CEO of Siemens USA and Dresser Rand, a Siemens business. She was also chair of the Siemens Foundation board of directors. Marks joined Siemens in May 2011 as head of Siemens' U.S. federal business, where she was responsible for growing a newly formed U.S. business unit tasked with providing a more comprehensive portfolio of solutions to the federal government across several sectors.

In April 2020, Marks led Otis through a successful separation from its parent company to return to its roots as an independent, publicly traded company on the NYSE. That year, in response to the urgent problems of social unrest and entrenched racism, Marks and her executive leadership team also developed and implemented "Our Commitment to Change," a framework to identify and prioritize actions and establish accountability to eliminate bias and inequity and ultimately measure progress across the organization.

In addition to working on comprehensive diversity, equity, and inclusion efforts, Marks has been an advocate for diversifying talent in the fields of science, technology, engineering, and math (STEM) and ensuring STEM programming and opportunities get introduced early in underrepresented communities around the world.

Marks has been honored as one of the Top 50 Most Powerful Women in Technology and received the Excellence in Leadership Award from the International Society of Automation. In 2021, she was recognized with a Distinguished Leadership Award by the Committee for Economic Development of The Conference Board (CED).

She serves on the board of directors of Otis Worldwide Corporation and AdvanceCT, and is a member of the Business Roundtable.

While at Lehigh, Marks was a member of Alpha Gamma Delta, the American Institute of Electrical Engineers, the Gryphon Society, Hillel Society, and the Society of Women Engineers.

Marks has been a supporter of Lehigh initiatives aimed at increasing diversity among the STEM disciplines and has served as a guest speaker for the Women in Technology class. From 2006 to 2016, she served as a member of the P.C. Rossin College of Engineering and Applied Science Dean's Advisory Council.

Officers of the University

2021-2022 Board of Trustees

Kevin L. Clayton '84 '13P Chair

Maria L. Chrin '87 '10P Vice Chair

Philip B. Sheibley '81 '19P Vice Chair

Frank A. Roth '80 '08P '11P General Counsel Secretary to the Board of Trustees



Corporate Trustees

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Appointed Trustees

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Alumni Trustees

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Honorary Trustees

Victoria Zoellner

Trustee Ex-Officio

Joseph J. Helble '82 President

2021-2022 University Administration

Joseph J. Helble '82 *President*

Nathan N. Urban Provost and Senior Vice President for Academic Affairs

Patricia A. Johnson *Vice President for Finance and Administration*

Stephen P. DeWeerth *Dean, P.C. Rossin College of Engineering and Applied Science*

Robert A. Flowers II '91G Herbert J. and Ann L. Siegel Dean, College of Arts and Sciences

William Gaudelli Dean, College of Education

Georgette Chapman Phillips Kevin L. Clayton '84 '13P and Lisa A. Clayton '13P Dean, College of Business

Elizabeth A. Dolan *Interim Dean, College of Health*

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Christine E. Cook *Vice President for Strategic Planning and Initiatives*

Ricardo D. Hall Vice President for Student Affairs

Cheryl A. Matherly *Vice President and Vice Provost for International Affairs*

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Donald A. Outing *Vice President for Equity and Community*

Frank A. Roth '80 '08P '11P General Counsel Secretary to the Board of Trustees

Alan J. Snyder Vice President and Associate Provost for Research and Graduate Studies

Joseph D. Sterrett '76 '78G '03P '05P '07P '09P Murray H. Goodman Dean of Athletics

Erik J. Walker *Chief of Staff, Office of the President*

Oliver Yao Interim Deputy Provost for Graduate Education

Jennifer M. Jensen Deputy Provost for Academic Affairs

Jackie Krasas '87 Deputy Provost for Faculty Affairs Yenny D. Anderson '18P Vice Provost for Institutional Research and Strategic Analytics

Khanjan Mehta Vice Provost for Creative Inquiry and Director of the Mountaintop Initiative

Henry U. Odi '98G Deputy Vice President for Equity and Community and Associate Provost for Academic Diversity

Gregory M. Reihman Vice Provost for Library and Technology Services

Daniel A. Warner *Vice Provost for Admissions and Financial Aid*

John W. Welty Vice Provost for Western Regional Office

Chris Halladay Associate Vice President for Human Resources

Katherine W. Lavinder Dean of Students

Steven Wilson Assistant Provost for Academic Affairs

Commencement Officials

Kashi K. Johnson '93 Mace Bearer (Undergraduate Ceremony) Professor of Theatre

Linda Lowe-Krentz '11P University Marshal Professor and Chair of Biological Sciences

James E. Roberts Head Usher Associate Professor of Chemistry

Robert V. Skibbens '17P '21P Mace Bearer (Graduate Ceremony) Professor of Biological Sciences

About the President



President Joseph J. Helble '82

Joseph J. Helble became Lehigh University's 15th president on August 16, 2021. He comes to Lehigh from Dartmouth College, where he served as provost from 2018 to 2021. As provost, Helble was the university's chief academic and budget officer. He oversaw all of Dartmouth's professional and graduate schools - Geisel School of Medicine, Guarini School of Graduate and Advanced Studies, Thayer School of Engineering, and Tuck School of Business — as well as major academic support units and a variety of other offices, academic centers, and institutes. He set the budget for arts and sciences and was also responsible for setting the

university's budget priorities and overseeing its annual budget process, developing financial plans, and coordinating support for Dartmouth's research infrastructure. Helble also served as a professor of engineering in the Thayer School of Engineering, and he played a critical role in guiding the campus community through the COVID-19 pandemic and providing regular updates about the university's operations and decisions.

Before becoming provost, Helble served for 13 years as dean of Dartmouth's Thayer School of Engineering. As dean, he oversaw a record increase in the school's research funding, a near doubling of enrollment, an increase in its number of tenure-track faculty, and the introduction of new majors and programs. During Helble's leadership, the school also experienced a sharp increase in the percentage of engineering graduates who are women. Helble and his colleagues in the Thayer School also created the Ph.D. Innovation Program (PhD-I), the first program in the nation to prepare engineering doctoral candidates for entrepreneurial success.

Prior to arriving at Dartmouth, Helble served as professor and chair of chemical engineering at the University of Connecticut.

After graduating with highest honors from Lehigh in 1982, Helble earned his Ph.D. in chemical engineering, with a minor in Spanish, from the Massachusetts Institute of Technology (MIT) in 1987. He worked for several years in the private sector as a research scientist at Physical Sciences, Inc., during which time he also spent several months on leave as a science policy fellow with the U.S. Environmental Protection Agency. Later, as the American Association for the Advancement of Science (AAAS) Revelle Fellow, he spent a year in Washington, D.C., working on environmental and technology policy.

Helble holds a bachelor of science in chemical engineering from Lehigh University and a doctorate in chemical engineering from MIT.

College of Arts and Sciences

Candidates were presented by Robert A. Flowers II '91G, Herbert J. and Ann L. Siegel Dean of the college.

DOCTORAL DEGREES

Autumn Ann Anthony

Ph.D. - Physics Systematic Measurements of Interleaflet Friction in Supported Bilayers Advisor: Aurelia Honerkamp Smith

Ashley M. Baxter

Ph.D. - Chemistry Bioanalytical Techniques to Investigate the Consequences of Photosensitized Lipid Oxidation on Lipid Bilayer Formation and Structure

Nick G. Boekell

Ph.D. - Chemistry Studies of Coordination-Induced Bond Weakening in Divalent Samarium Complexes

Stephanie Christine Cerce

Ph.D. - Psychology "To Know Me is to Love Me:" The Implications of Historicist Narratives for the Potential to Change

Ian Scott Crawley

Ph.D. - Physics A Li-6 Apparatus for the Study of Spin Transport in Strongly Interacting Systems Advisor: Ariel Sommer

Heidi Sue Cunnick

Ph.D. - Earth and Environmental Sciences Predictive Mapping and Monitoring of Vegetation Change in Northern Latitudes Peatlands Using Nested

Scales of Spectral Data in Remotely Sensed Imagery

Jay B. Donis

Ph.D. - History Frontier Crowds: Riots, Rights, and Revolution in the mid-Atlantic West, 1765-1792 Advisor: Monica Najar

Caitlin Edwards Takacs

Ph.D. - English Emancipated Intimacy: Kate Chopin's Eco-Feminism Advisor: Seth Moglen

Cynthia Estremera Gauthier

Ph.D. - English New World Blackness: Curating Cultural Blackness and Collective Liberation for Women in Hip Hop, Literature and Society

Annika Ewigleben

Ph.D. - Physics Transverse Momentum Imbalance (xJ) of Neutral Triggered Hard-Core Jets in Au+Au Collisions at √ sNN = 200GeV Advisor: Rosi Reed

Dylan Zachary Faltine-Gonzalez

Ph.D. - Biology Mechanism of Neuronal Patterning in the Anthozoan Cnidarian, Nematostella vectensis

Adam Heidebrink-Bruno

Ph.D. - English Working-Class Literature and the Promise of Affluence in Postwar America Advisor: Seth Moglen

Sarah Elizabeth Heidebrink-Bruno

Ph.D. - English "'How Will You Grow?': Restorative Justice in Contemporary American Women's Literature and Beyond" Advisor: Mary Foltz

Caitlin Alexandra Hyland

Ph.D. - Cell and Molecular Biology Molecular Mechanisms Regulating Gap Junction Endocytosis and its Relevance to Disease

Alan Guy Hylton

Ph.D. - Mathematics On the Cohomology of Seaweed Algebras

Muhammad Imran

Ph.D. - Chemistry Open-shell N-substituted Bisphenalenyls: Synthesis, Optoelectronic Properties, and Device Applications

Devon Scott Jakob

Ph.D. - Chemistry Pulsed Force Kelvin Probe Force Microscopy

Zhiyu Jiang

Ph.D. - Physics Experimental Study of Particle Motions and Oil-Drop Deformations in Osmotic Pressure Gradients Advisor: H. Daniel Ou-Yang

Jeffrey Adam Julien

Ph.D. - Chemistry In vitro Post-Translational Modifications of Caveolin-1 and its Effect on Protein Structure, Topology, and Oligomerization in Model Membranes

Kiran Khadka

Ph.D. - Chemistry Byproduct-free Synthesis, Characterization, and Reactivity of Aminosiloxane and 1, 2-Diaminosiloxane Monolayers on Silicon/Silicon Dioxide, and a Fundamental Study of Droplet Motion on an Incline Advisor: Gregory Ferguson

William J. Leon

Ph.D. - Chemistry Mechanical Properties at the Molecular Scale: Making Nanoindentation Quantitative Advisor: Dmitri Vezenov

College of Arts and Sciences

Tianbo Liu

Ph.D. - Mathematics Curvature Estimates for Complete Gradient Expanding Ricci Solitons

Michael Mfarej

Ph.D. - Biochemistry Novel Insights into the Molecular Functions of the Eco1 Acetyltransferase in Saccharomyces cerevisiae

Matthew Peter Nikitczuk

Ph.D. - Earth and Environmental Sciences Geochemistry of Altered Hyaloclastites

and Hydrothermal Vent Fluids at Oceanic Spreading Centers: Implications for Astrobiology and Understanding Earth's Largest Submarine Hydrothermal Plume

Amanda Marie Ratajczak

Ph.D. - Physics Quantifying the Flow-Mediated Lateral Transport of Lipid-Anchored Proteins through Supported Lipid Bilayers Advisor: Aurelia Honerkamp Smith

Nicholas Vincent Russoniello

Ph.D. - Mathematics On Contact Lie Algebras: Seaweeds and Lie Poset Algebras

Scott Thomas Shreiber

Ph.D. - Chemistry Advancing Fluoroalkylation Methodologies with Copper, Nickel, and Cobalt

Eden L. Sikorski

Ph.D. - Chemistry Targeting the Tumor Microenvironment with pH-Sensitive Agents for Selective Cancer Therapy

Austin Edward Stewart

Ph.D. - History Western Cherokees, Territoriality, and the Politics of Land and Removal in the Trans-Mississippi West, 1763-1840

Wyntre Autumn Stout

Ph.D. - Psychology Exploring The Intersection of Mentalistic and Normative Frameworks in Explanations of Others' Behaviors

Jing Su

Ph.D. - Physics Four-Wave Mixing: From Broadband Wavelength Conversion in Optical Fibers to Free Space Pump and Probe Experiments Advisor: Ivan Biaggio

Kristin Elizabeth Tremper

Ph.D. - History Beyond the Grave: The Politicization of Death in Eighteenth-Century America Advisor: Monica Najar

Jessica Vander Heide

Ph.D. - History Schooling Intimacy: Lessons in Love, Romance, and Sexuality at American Female Academies, 1780-1870 Advisor: Monica Najar

Ryan Christopher Vignogna

Ph.D. - Biochemistry Identifying Allele-Specific Genetic Interactions Using Experimental Evolution

Scott Michael Wert

Ph.D. - History Dispersing the Dark Clouds: Native American Religions in the Pennsylvania Long Peace, 1628-1755 Advisor: Michelle LeMaster

MASTER'S DEGREES

Eric Jordan Adamo M.A. - Political Science

Sami Alawadhi M.S. - Physics

Alishya Leena Almeida M.A. - English

Thomas Edward Carne Bate M.S. - Statistics

India Baker

M.P.P. - Public Policy

Anna Clare Baum M.S. - Physics

Tiffany Margaux Baumann

M.S. - Earth and Environmental Sciences

Angela Marie Beechan M.S. - Molecular

Julie Anna Benco M.A. - Environmental Policy Design

Rachael Ann Botsford M.S. - Physics

Lorena Bravo M.A. - Political Science

Connor Francis Burbridge M.A. - Environmental Policy Design

Nadia Thomas Butler M.A. - English

Bowen Chai M.S. - Statistics

Amanda M. Chapin M.A. - Environmental Policy Design

Jacob Christ M.S. - Mathematics **Sung Hyun Chung** M.S. - Mathematics

Thomas Albert Corey III M.S. - Chemistry

Patrick Chandler Cunningham M.S. - Molecular

Gerald George Curran III M.S. - Physics

Angelica Adamakos DeDona M.A. - English

Nicholas Anthony DeMarco M.A. - Political Science

Elizabeth Jane Dobson M.A. - Sociology

Connor Christopher Downing M.S. - Earth and Environmental Sciences

Thomas Michael Dunn III M.A. - Political Science

Jenna Bailey Fagan M.A. - History

Olivia Ila Fay M.A. - Political Science

Ana Ferariu M.S. - Statistics

Ann J. Foley M.A. - Environmental Policy Design

Yujie Hu M.S. - Statistics

Huiting Jian M.S. - Statistics

Hareem Zafar Khattak M.A. - English **Rita Antoinette Knasel** M.S. - Psychology

Hannah Gabrielle Kushner M.A. - Environmental Policy Design

Eva Katharine Lane M.A. - English

Emma Rae Lewis M.A. - Political Science

Sijin Li M.S. - Statistics

Sara Ryan Polly McCartney M.A. - English

Jillian Madison Medina M.A. - History

Krietee Monjaury M.A. - Political Science

Austin Nealon M.S. - Mathematics

Zizhao Niu M.S. - Statistics

Keenan Bennett Overa M.P.P. - Public Policy

Emma Jewell Page M.S. - Physics

Arush Pande M.A. - English

Emily C. Poole M.A. - Environmental Policy Design

Tristan Lewis Protzman M.S. - Physics

Xinzhi Rao M.S. - Statistics

Isaiah Frost Rivera M.A. - English **Leo Joseph Rooney II** M.A. - Political Science

Benjamin David Schwartz M.A. - Environmental Policy Design

Amira Moustafa Shokr M.A. - English

Christopher Luis Shosted M.A. - English

Mengjin Sun M.S. - Applied Mathematics

Ryan Michael Tarto M.S. - Molecular

Christina Thomas M.A. - Environmental Policy Design

Juan J. Valladares M.S. - Psychology

Michael Mohabir Vanyo M.S. - Physics

Elizabeth Ann Virlee M.S. - Molecular

Emma Louise Walen M.S. - Molecular

Yuxuan Wang M.P.P. - Public Policy

Deborah-Ayanna Monét Woods M.A. - English

Victoria Rose Wrigley M.S. - Statistics

Simin Xia M.S. - Physics

Xinze Zhou M.S. - Statistics

College of Arts and Sciences

BACHELOR OF ARTS DEGREES

Anthropology

Eva M. Ehrich Linda Arayza Figueroa Jessica M. Galarza Devynn Ann Goodspeed Isabel F. Heslin Allison Carlisle Kirkpatrick Henry Frazier Nordahl

Architecture

Anastasia Michelle Citsay Natalie Nicole Constante Ben Diflo Ella Van Sice Fabozzi Giovanna Goncalves Zamora Gastón Borboa Hernández Jr Darien J. Hersh Michael B. Hoben Lucas Paul King Mariah Allison Langlois Janelle Julia Laros Colin James Lerner Teasha McKoy Katelyn Rose McNamara David Warner Peterson Avi Kenneth Runge Matthew Sikorski Selinee Tejada Morillo Mia Nian Xue Waters Nicholas Archer Wilson

Art

Michael Allen Beaumont Jr. Erica Elizabeth Fischer Katherine Mary Goodwin Sarrah Hussain

Art History Erica Danielle Kagan

Asian Studies Misa Leeflang

Behavioral Neuroscience

Zaria Mariatou Beckley Quinnlyn C. Burger Madison Paige DeMarchis Abby R. Goldberg Sarrah Hussain Kelsey Marie Johnson Claire Keller

Biology

Michelina Paige Beaumont Olivia Rose Bergstein Mary Youmans Buttarazzi Holly Guinan Sujin Kang Elora Marvasi Tiffany Janae Montgomery Christy Roush Emily Jessica Tasik

Chemistry Hunter M. Louie Yanqiu Shen

Classical Civilization

Rowan William Heffernan Isabel F. Heslin

Cognitive Science

Brendamaria A. Cuadra-Arguello McKenzie R. Dominick Alissa Renee Moriguchi Landberg Olivia Rose Negri

Computer Science

Michael J. Bombard Fernando Cuaya John Patrick Curtis Kevin Do McKenzie R. Dominick Nicole Deborah Franklin Michael Ryan Hagenberger James John Kellerk III Yan-Ru Lai Alissa Renee Moriguchi Landberg Michaela Alethea Lewis Kenneth D. Lopez Michalina Modzelewska Manpreet Nagra Michael Boamah Osei Quinn Erik Robertson Anna Kishida Thomas

Design

Michael Allen Beaumont Jr. Zachary Nathan Boop Jaelynn Rose Chesson Erica Elizabeth Fischer Eli Geleerd Devynn Ann Goodspeed Andreas Zannos Grekos Minh Le Chuchu Li Amanda Morgan Lugo Emma McGillis Caroline Patricia Nagy David Warner Peterson Owen Power Rahr Sydney Rose Sciascia Hannah Rose Siesel Stasia Simcox Matyjas Daniela Elizabeth Slepak Grace Maria Vigorito Sarah Ronsdal Wecht Lily Anne Wojciechowski

Earth and Environmental Sciences

Evelyn Guadalupe Batres Rachel A. Condon Kendall Catherine O'Farrell Sarah Truxal

Economics

Ken Daniel Brea Rachael Victoria Bucci Michael A. Castro John B. Chace Santiago Delgado Ariel Deljanin Brian Michael Donaghy Jr. Eva M. Ehrich Matthew L. Gibson Synclair B. Goyer Deirdre Donovan Kelshaw Glenn Sung Lasco Zewei Lei

Megan Lindle Yuxin Liu Peter Joseph Lucas Sarabeth S. MacMullen Rafi Q. Naber Manpreet Nagra Emma Shea Neary Olivia Rose Negri Khue Minh Nguyen Nathaniel A. Norris Sophia Rose Poeta Caroline Anne Robinson Olivia Krista Sakorafos Annabelle Ida Sharenow Madison Casondra Stewart Bryana Ashley Wiggins

English

Sara Alethia Boyd Benjamin David Carder Eirlys Chui Sara MacCalla Davis Eliza Rogan Higgins Luke Joseph Karam Grace Catherine Kennedy Violet Blue Kertis Ryan Lockwood Loftus Kayla Jean Miranda Hannah Murphy Janice Louise Rapp Olivia Krista Sakorafos Evan David Sievers Sarah Alexis Loughran Steffens

Environmental Studies

Evelyn Guadalupe Batres Eirlys Chui Skyler Freeman Davis Linda Arayza Figueroa Sahil V. Modi Kendall Catherine O'Farrell Simona Esther Shur

French and Francophone Studies

Grace Hammond Hedrick Amanda Kirsten Karr Emily McCall Panarese

German Harrison Peter von Rinteln Ernst

Global Studies

Hannah G. Figueroa Jessica M. Galarza Allison Carlisle Kirkpatrick Lucy Joseph Kwiatek Misa Leeflang Jake Herbert Noss Margaux Nicole Petruska

Health, Medicine, and Society

Quinnlyn C. Burger Ariel Deljanin Hiwot Demelash Grace A. Fahrney Krisana Goel Holly Guinan Amanda Nicole Hall Rowan William Heffernan Victoria Morgan Kaufman Amanda Jordyn Klansky Elora Marvasi Katherine Seavey Matthews Kelsey Miley Yasmin O'Shea Miller Sara Elizabeth Moran Andrea Gianna Pecora Olivia Josephine Perrone Sophia Rose Poeta Vincent J. Polignano Sydney Anne Powell Jenna Kathryn Roy Maria L. Saldutti Sophia Marie Salomoni Madison Isabelle Schulte Emma Kate Seguljic Vanessa Nalini Singh Lily Spitalny Ashley A. Veliz

History

James Richard Hoffman Jake Herbert Noss Henry J. Selingo Andrew Charles Taulane Olivia Rose Valenta Lena Frances Weisman

Interdisciplinary Theodore S. Goodman

International Relations

Noah S. Barnett Jack Hyun Suh Beaulieu Caroline Catherine Bender Jacob Aaron Berger Aliza Elsie Bodzin Skyler Frances Brown Hiwot Demelash Lenni E. Elias Grace Brittany Enriquez **Clare Fonstein** Jordyn Rebecca Goldberg Katherine Mary Goodwin Jacob Graham Grace Hammond Hedrick Shaun Allen McNulty Vincent J. Polignano Janice Louise Rapp Matthew John Riel Jenna Kathryn Roy Jamie Elizabeth Zamrin

Joint International Relations and Economics

Iman Yassin Faris Michael Campbell Hurst Zachary Lowell Levin Mannan Prabhat Mehta Andrew Marc Nakhjavan Elias Jakob Pessiki Casey Andrew Rother Tucker Hamilton Sabine Ian Sloane Shreyant Solanki Sebastian Steel Hadley J. Webster

Joint International Relations/ Modern Languages and Literatures

Jennifer Jenny Lee Emily McCall Panarese Madison Casondra Stewart

College of Arts and Sciences

Journalism

Caleigh Lia Avramis Alec Kenneth Beesmer Grayson B. Begier Kara Marguerite Bonner Katherine K. Brady Isabella Nancy Cammisa Caroline Leigh Coffey Julia Marie D'Apolito Julia Quinn DePillis Ariana A. Dimitrakis Joseph Dotta Lenni E. Elias Christianna Elizabeth Faenza Gabrielle Mara Falk Maxwell Gardner Fern **Clare Fonstein** Peter A. Gardner Samantha Ann Gentile Leidy Mary Iglesias Andrew Jacob Isaacson Yamelin F. Jaquez Estevez Steven L. Kattouf Deirdre Donovan Kelshaw Cole Patrick Kirst Minh Le Katherine Rose McNulty Sydney Shea Staples Andreas Alexander Tsiaras Lilia Hope Tympanick Sydney H. Weber

Latin American and Latino Studies

Mericel Mirabal Gerardo Tome Casanova Jamie Elizabeth Zamrin

Mathematics

Jocelyn Miranda Buchheister Michael A. Castro Peter David Johnson Kennedy Quinn Erik Robertson Janelle Saba Joshua Isaac Venick Runjie Zhao

Molecular Biology

Brittney Stella Adams Maria Candelaria Boffi

Music

Nicholas K. Bowers Jocelyn Miranda Buchheister Kai Amaranth Davison Yariel Henriquez Philip G. Kaufinger Peter David Johnson Kennedy Devon Jay Kolumber Megan Lindle Craig Morris Mandelbaum

Philosophy

Veronica Sofia Collins Katelyn Marie Diaz Griffin A. Fox Sophie Jae Kellner Norberto Mendez Jr. Skylar Brett Nicholas Maeve Tules Kaiwen Wu

Physics

George Awad

Political Science

Heather L. Arias Jack Douglas Barclay Caroline Catherine Bender Isidoro Anderson Bento Sara Alethia Boyd Rachael Victoria Bucci Brandon I. Buscarnera Margaret Leigh Callahan Tasnim Chowdhury Zachary Ryan Cotter Ashley Marie Coyle Andre Cronmiller Skyler Freeman Davis Santiago Delgado Eileen Deutelmoser Joseph Dotta Jenna Jean Smith Garden Andrew Jacob Isaacson

Sophie Jae Kellner Grace Catherine Kennedy Chad Robert Kittaka Jack Henry Liss Nicholas Chapman Lynch Holly Loren Quinn Macdonald Jared S. Man Matthew Arsen Mardirossian Matthew Thomas Marker Patrick W. McIlroy Kevin P. McNulty Norberto Mendez Jr. Julia Menziuso De'Shun Amere Mickens Yasmin O'Shea Miller Michael J. Monitto Leah M. Montgomery Skylar Brett Nicholas Margaux Nicole Petruska Kendall Rita Prime Brittany Leigh Quirk Kathryn M. Rice **Benjamin Santos** Henry J. Selingo Vanessa Nalini Singh Sarah Alexis Loughran Steffens Harry Parker Swanson Joseph James Mark Swenson Alyssa Michele Tabershaw Lilia Hope Tympanick Olivia Rose Valenta George Thomas Welch Brooke M. Yacubeck

Pre-Medical Science

Saira Milind Kothari

Psychology

Maggie Nell Barr Sophie J. Beck Kate Alexa Blum Daniel Francis Brody Skyler Frances Brown Roxana I. Bustamante Isabella Nancy Cammisa Alexa Rose Char Hannah Gillian Coleman

Veronica Sofia Collins Emily Jordan Cooper Brendamaria A. Cuadra-Arguello John Patrick Curtis Grace A. Fahrney Joshua Evan Felgoise Megan Feliciano Nora Giordano Krisana Goel Ali Goksun Allison Lavonia Graham Amanda Kirsten Karr Victoria Morgan Kaufman Erin Diane Keefe Margaret Manning Kelly Addison Ann Kittel Amanda Jordyn Klansky Emma Olivia Haskins Linde Katherine Seavey Matthews Ally Eleanor McGrath Haley Elizabeth Miller Khue Minh Nguyen **Courteney Parry** Rebecca Louise Patterson Lauren Pendleton Ashley E. Rawn Devyn Rose Riddle Zeist Rizvi Benjamin McUsic Rosshirt Maria L. Saldutti Sophia Marie Salomoni Madison Isabelle Schulte Emma Kate Seguljic Simona Esther Shur Michael S. Smith Jr. Emily Elizabeth Spadaccino Lily Spitalny Bradley Drew Susskind Emily Jessica Tasik Ashley A. Veliz Alison Valentine Weber Haley Elizabeth Yahraus

Religion Studies

Jordan Alexis Hackman Zeist Rizvi

Sociology

Elizabeth Winslow Buhrendorf Tasnim Chowdhury Giselle Curiel Velazquez Eileen Deutelmoser Jacqueline Sally Fales Amaya Rose Foy Rebecca Emily Landau Geraldine Martinez Mericel Mirabal Courteney Parry Andrea Gianna Pecora Olivia Josephine Perrone Megan Riley Quigley Benjamin Santos

Sociology and Anthropology

Alexandra Joy Canning Breanna M. Chase Jordan Alexis Hackman Chae Eun Kim Nathaniel A. Norris

Spanish and Hispanic Studies Hannah Fabian

Statistics James John Kellerk III Min Sung Kim

Theatre Daniel Francis Brody Kanea M. Brooks Shaun Allen McNulty Adrian Thomas De Vera Suarez

BACHELOR OF SCIENCE DEGREES

Astrophysics Christopher James Aviles Bramer Kiley Paige Hockensmith Andrew Thomas Shedleski

Behavioral Neuroscience Elyse Kay Barkstrom Ryan K. Blinn Melissa Raine D'Alessio Kevin Anthony Fuentes Gabriella Rachel Greisberg Camari D. Griffin Monisha A. Hanagal Shelby Olivia Hinchman Brandon Thomas Hocking Evan Adrian Huaman Caroline Elaina Klebanoff Emmaline S. Kremsky Nacoya Faye Madden Ariana Malik Cassandra Rose McCabe Luis Angel Morales Lauren Nicole Powell Riley Jane Sawka Sheridan E. Scott Zoe M. Wolfenson

Biochemistry

Shaya Ameri Bachana Billy Bachiashvili Hyeyun Cho Anthony William Cusumano Thomas Paul Dressler Yunlin Fu Jing Guo John Huang David Khayata Brianna Elizabeth Maslonka Alyssa M. Murphy Sarah Grace Mutchek Isabella V. Papov Thomas Vincent Perone Hannah Tan

Biology

Jacqueline Alongi Sarah Philomena Alvi Joshua Michael Buck Bridget Elizabeth Casey Courtney Anne Clarkin Aidan W. Frick Francesca Theresa Garofalo Anna E. Gottfried

College of Arts and Sciences

Noah Jordan Harrison Lourdes Valentina Jude Patrick Joseph Hawoon Kim Eleanor Elizabeth Rushforth Labay Cindy Lin Zhen You Lin Mariah Emily Lopez Yueqi Lu Rabeea M. Mansi Remi Kalmus Matsil Kelsey Miley Kayla Jean Miranda Julia Patricia Moran Sara Elizabeth Moran Leah Marie Mullery Elena A. Myalo Annaleah N. Neugeboren Wei Ngai Sophia L. Noble Lucie Rose Pascarosa Sydney Anne Powell Alex Edward Rodrigues Sana Tariq Sheikh Claudia Danielle Small

Chemistry

Gina Catherine Angelo Kiera Lynn Englehart Yue Hu

Cognitive Science

Rosa Dasani Cortez Rosales Julia Pat Duchossois Falyn Maya Goldstein Collin Patrick Knauer Ethan Miles Moscot Evan R. Umstead

Computer Science

Dante Anthony Biase Jiabei He Sean Hong Xiao Xiao Huang Andrew Raymond Kelly Lingtao Kong Kenny Lin Xiangzhi Liu KaiDa Ma Carter Schmalzle John Baptiste Taulane IV Benjamin John Zalatan Runjie Zhao Jiageng Zheng Brian Li Zhu

Earth and Environmental Sciences

Stella Faulman Buckley Ethan Alexander Fuchs Alyssa Anne Gengaro Zoë Katarina Madsen Christine Marie Mosley Frederick Eli Newlin Karsen Jessie O'Rourke

Economics

Dan Luo Quirino James Truscott Vivian J. Yan

Mathematics

Emily Patricia Baker Kenny Kwock Yuxin Liu Zipu Qiu Megan Victoria Tomalis Haoyang Zhang Qunzhi Zhang

Molecular Biology

Noor Sabah Baban Penny H. Demetriades Kaya Harper Mackenzie Lynn Hawes Jonathan Li

Pharmaceutical Chemistry

Nicholas K. Bowers Lexi Nicole Branca Chon Hou Chan Helen Rua Flynn Thera M.V. Hibbler

Physics

Sky Lynn Bela Lorenzo Colombo Winter Grace Goodman Thomas C. Limoges Sarah Ann McCusker

Psychology

Clarissa Lynn Chun Zev Cotler Garrett M. Deppert Emma Katharine Ference Amanda Nicole Hall Ryan Lockwood Loftus Nicholas J. Major Hetty McMillan Indiana Janine Rich Ava Cecilia Rosato Zhangzhichun Xu Nada Younies

Statistics

Noah Andrew Christie Zehong Deng Scott T. Grenestedt Yi Jiang Brandon Eric Kelly Olivia Lahti Newman Lingyi Zhang

College of Business

Candidates were presented by Georgette Chapman Phillips, the Kevin L. Clayton '84 '13P and Lisa A. Clayton '13P Dean of the college.

DOCTORAL DEGREES

Pei-Chuan Ho Ph.D. - Economics Free from Pain or Trapped in Pain? The Role of Prescribed Opioids

MASTER'S DEGREES

Thomas Sebastian Ambrogio M.B.A. - Corporate Entrepreneurship

Jessica Scherer Andrews M.B.A. - Business Administration

Kerem Araci M.B.A. - Corporate Entrepreneurship

Jaspreet Kaur Bains M.S.A.I.A. - Accounting and Information Analysis

Robert James Barish M.B.A. - Finance

Corrin Bauer M.B.A. - Marketing

Derrik Benjamin Bell M.S. - Applied Economics

Katherine Fay Benware M.S. - Management

Christopher Michael Beres M.B.A. - Finance

Ethan Satchel Block M.S. - Management

James Mark Bollman M.S. - Management

Eric Bowman Jr. M.B.A. - Business Administration

Elyor Hamzakul Ugli Bozorov M.B.A. - Business Analytics Alexandra Bradford M.B.A. - Business Analytics

Krzysztof Burek M.B.A. - Business Administration

Robert Paul Campanella M.B.A. - Finance

Hongyuan Cao M.S. - Applied Economics

Xianjie Chen M.B.A. - Business Analytics

Yushi Chen M.S. - Management

Abhinav Kashyap Chitturi M.S. - Management

Mohammad Umar Choudhry M.B.A. - Business Administration

Samba Cissokho M.B.A. - International Business

Stephanie Frances Cook M.B.A. - Business Analytics

Robert Clemens Corvalan-Perez M.S. - Management

Christopher Leonardo Dapat M.B.A. - Marketing

Julian Del Campo M.B.A. - Business Administration

Kati Lynne Dempsey M.B.A. - Project Management

Adam Schuyler Devins M.B.A. - Business Administration

Mohammad Etemadrezaei M.B.A. - Business Administration

Paul L. Feher M.B.A. - Business Analytics Andrew Scott Feldman M.S.A.I.A. - Accounting and Information Analysis

Peter Andrew Fleming Jr. M.B.A. - Finance

Darryl Forster M.B.A. - Business Administration

Eli J. Fraerman M.S. - Management

Jennifer Marie Goodman M.B.A. - Business Administration

David Grube M.B.A. - Supply Chain Management

Sally Gu M.S. - Management

Zhenyu Guan M.B.A. - Business Analytics

Mohamed-Gani Abdirahman Gullied M.B.A. - Project Management

Noor Hachil M.B.A. - Business Administration

Matthew Robert Handwerk M.B.A. - Business Administration

Mark Allen Hartenstine Jr. M.B.A. - Supply Chain Management

Lenke Havas M.S. - Applied Economics

Sarrah Hussain M.S. - Management

Nurgul Iminova M.B.A. - Business Analytics

Devon Rose Jackson M.S. - Management

College of Business

Eric B. Jones M.B.A. - Finance

Ramy Kamel M.B.A. - Business Administration

William Samuel Karr M.B.A. - Project Management

Harini Kasturi Kataria M.B.A. - Business Administration

Georges Katerji M.B.A. - Business Analytics

Cynthia Katsempris M.B.A. - Project Management

Karch Andrew Klos M.S. - Management

Caitlin Ann Kustes M.B.A. - Business Analytics

Reilly Shea Kyle M.S. - Management

Ni Lai M.S. - Management

Matthew Alfred Leddy M.B.A. - Finance

Jieyi Li M.S. - Management

Abigail Stade Lombard M.S. - Management

William Robert Longworth M.B.A. - Finance

Gerickson J. Lopez M.S. - Management

Miona Adriana Lucic M.S. - Management

Zipei Ma M.S. - Applied Economics **Irene Magistro** M.B.A. - Business Administration

Hanxuan Mao M.S. - Applied Economics

Qingqin Mao M.S. - Management

Samantha Nicole Margolin M.S. - Management

Christopher Marten Barslund Martensson M.S.A.I.A. - Accounting and Information Analysis

Caroline J. McCormack M.S. - Management

Andrew William Minnich M.B.A. - Project Management

Madaline Secrist Minor M.S. - Management

Salima Mody M.B.A. - Business Administration

Jessica Ann Morrissey M.B.A. - Business Administration

David Michael Ou M.B.A. - Business Administration

Kelly Alyse Pacello M.B.A. - Supply Chain Management

Mary Palmer M.B.A. - Business Administration

Darsh Minesh Patel M.S. - Management

Payalben K. Patel M.B.A. - Business Administration

Shreena S. Patel M.B.A. - Business Administration Ashley Desiree Pen M.S. - Management

Qianqian Peng M.S. - Management

Dillon Lee Perez M.B.A. - Business Analytics

Daniel Pflueger M.B.A. - Corporate Entrepreneurship

Rebecca Lynn Price M.S. - Applied Economics

Sheng Qu M.B.A. - Business Administration

Vard O. Rafailova M.B.A. - Finance

Joshua Seth Rashbaum M.S.A.I.A. - Accounting and Information Analysis

Aaron Liebowitz Raymar M.B.A. - Business Administration

Kasey Eleanor Riordan M.S. - Management

Jeffrey Patrick Rosenthal M.S.A.I.A. - Accounting and Information Analysis

Yamil Sanchez Rivera M.B.A. - Business Administration

Troy Benedict Sharbaugh M.B.A. - Business Administration

Samantha Nicole Shevach M.B.A. - Supply Chain Management

Jieyi Shi M.S. - Management

Madison Campbell Shourds M.S. - Applied Economics **Faraz Ahmed Siddiqui** M.B.A. - Business Analytics

Christopher J. Simeone M.B.A. - Business Administration

Kristopher Siple M.B.A. - Finance

James Michael Spence M.S. - Management

Madison Rae Staiman M.S. - Applied Economics

Beulah G. Stillman M.S.A.I.A. - Accounting and Information Analysis

Brendon Arthur Stone M.B.A. - Finance

Jingxuan Sun M.S. - Applied Economics

Xuefang Sun M.S. - Management

Kaylyn Farrell Swartz M.B.A. - Finance

Fernando Tamayo Grados M.B.A. - Business Analytics

Suhong Tan M.S. - Management

Carolyn Nicole Taylor M.S. - Applied Economics

Radha Kalavai Thiyagarajan M.B.A. - Business Analytics

Christian Andrew Torres M.B.A. - Business Administration

Aaron Joseph Walker M.B.A. - Business Administration

Abigail Elizabeth Walters M.S. - Management Keith Charles Wanamaker M.B.A. - Business Analytics

Junming Wang M.S.A.I.A. - Accounting and Information Analysis

Ning Wang M.S. - Applied Economics

Christopher John Warfield M.B.A. - Business Administration

Benjamin N. Wearin M.B.A. - Corporate Entrepreneurship

Haijun Daniel Wu M.B.A. - Supply Chain Management

Xuancheng Wu M.B.A. - Business Analytics

Junfeng Xi M.S. - Management

Shannon Marie Yeakel M.B.A. - Supply Chain Management

Fan Zhang M.B.A. - Business Analytics

Ziyi Zhang M.S. - Management

Xin Zhen M.S.A.I.A. - Accounting and Information Analysis

Tian Zhou M.S. - Management

Fangliang Zhu M.S. - Applied Economics

Zhilin Zhu M.S. - Management

Oleksandra Zinevych M.B.A. - Business Analytics **David Zugell Jr.** M.B.A. - Project Management

Paige Catherine Zytkowicz M.S. - Applied Economics

BACHELOR OF SCIENCE DEGREES

Accounting Adam A. Bowers

Brian J. Buzgo Emilia Renee Cano-Czagany Sarah Elizabeth Carman Anna Clare Cassidy Yinqiu Chen Alexander H. Chin John Thomas Cooley Xinyi Cui **Emily Patricia Dolan** Evan Barrett Edelstein Liam Francis Fischback John Francis Forster Abigail Marie Furtmann Asa David Greenaway Chantal Grullon Xivuan Gu Manuel Alejandro Herrera Joseph Richard Huber Nataya Charae Huskey Andrew Louis Kam Jared D. Keim Patrick M. Kelly Heather Rose Keyser Jung Woo Kim Isabella Nicole King Matthew Watson Knowles Karthik Koneru Katherine Anne Koval Samantha M. LaCoff Victor J. Lacombe Alina Manika-My Lam Regina Nuri Lee Junyue Li Olivia LiPuma Ryan Anthony Lynn Dillon P. McAndrews

College of Business

Andrew Benjamin Moss Thomas Guy Paglinco Matthew Moriarty Parisi Jordan Z. Resnic Grace N. Rogowski Jack A. Schnall Allyssa Ann Schnell Alexander J. Senesi FangMing Song Matthew Peter Stamford John Nolan Steitz Jacqueline Brooke Stoller Samuel J. Striz Lili Tang Sarah Elaine Valenti Michael Venezia John Brian Verity Jack Robert Whitley Ryan Zarrinmakan Saida Thalia Zerouali **Ruilin** Zhong

Business Information Systems

Amanda Alejo **Taylor Patrice Barrett** Lana Butorovic Gabriel J. Cagnazzi Lovely Charles Xinvi Cui Zehong Deng Dante Michael Dias Steven E. Frost Samuel Keyur Gandhi Noah Archibald Gibson Shujin Gong Xiaotong Huang Cole Robert Humes Han Jiang Jung Woo Kim Isabella Nicole King Karthik Koneru Victor J. Lacombe Jie Lin Jan Stanislaw Maciejewski Rene Paolo Molinari Jr. Meghan Meredith Murphy Joseph M. Musolino Christian Steven Oberst Hernandez Beatrice Olivia Pinetti Pierce A. Rankin

Cory Alexander Riegel Amanda Katherine Sax Hunter B. Segal Madison Lynn Smith FangMing Song Lili Tang Emily Taylor Thuy Anh Tran Yihao Wang Chenhao Yu

Economics

Benjamin Moses Berger Victor Steven Cochrane Olivia Renee Dehoff Cherease Laquana Douglas Alexis Michael Ennis Theodore C. Faucher Noah Archibald Gibson Catherine Alexandria Glackin Anna A. Goldberg David Gutekunst Wesley Jackson Klinvex Daniel Seth Levene Dillon P. McAndrews Lily Elizabeth Salcedo Margot Idalia Schwartz Hunter B. Segal Max E. Serventi Nande Ayanna Trant Malik Sammy Wahidy Alexander Walsh-Kelly Ian D. Wolf Xiaodong Wu

Finance

Lilly Aasmaa Eden R. Abotbool Patrick Charles Adams Lucia Alejandra Arguello Erica Greer Ashby Dean Arthur Astarita Islam Atayev Yasmine S. Azzouz Emily Patricia Baker Luke D. Balaj James Weaver Ball Alex Spencer Bargetzi Jeffrey R. Barrett Mackenzie Harken Baxter Benjamin Moses Berger Devin Murray Bernstein Priva Goel Bhatnagar Catherine Bird Adam A. Bowers Shannon E. Boyce Christian Friedrich Brodbeck Drew Isaac Broitman Alaina Elizabeth Brotman Lana Butorovic David Luc Caccavo Gabriel J. Cagnazzi Kenan Can Abigail M. Capin Otávio Santos Capps Chase Hunter Carlson James Michael Cavanaugh Chi Hang Chan Yinqiu Chen Justin K. Choi John Christen Jr. Elodie Kathryn Clowes Shane Ryan Collins Sydney M. Conway Kevin Austin Dambach Carly Discolo Margaret Katherine Ducey Cole Thomas Dwyer Evan Barrett Edelstein Ethan G. Engle Anthony David Esposito Zedrek Farrell Theodore C. Faucher McKenzie Figliolini Liam Francis Fischback Evan Morris Fisher Nora Jeanne Fitzmaurice Emma Rose Flaherty John Francis Forster Jay Richard Charles Frederick Adam M. Freeman Steven E. Frost Samuel Kevur Gandhi Ionathan David Geslani Catherine Alexandria Glackin Kate Ryan Glasser Anna A. Goldberg Shujin Gong Joseph Mario Gorla III Asa David Greenaway

Reid H. Greer Alexa C. Grill Colin N. Grimm Xiyuan Gu Jessica Guglielmo **Justin Matthew Gurth** David Gutekunst Madison Joyce Hackman Jiaqi Han Dexter Hanson Andrew A. Hernandez Manuel Alejandro Herrera Melissa Jane Hertzberg Matthew Hom Joseph Richard Huber Cole Robert Humes Nicholas Andrew Jennings John Gilligan Joy Kira Rose Kaehler Andrew Louis Kam Iared D. Keim Wasti Farzan Khan Lillian Arrott Krahmer Ian Michael Kuhn Jacob Tyler Kurz Alina Manika-My Lam Robert Lanni Bryan E. Levy lie Lin Zachary W. Lubart Joshua J. Luchini Megan Lundmark Mollie J. Maggiacomo Aidan Finley Mantelmacher Ikem Mbalewe Thomas J. McCormack III Alisha Rose McDonnell Kevin Robert McMahon James M. Milazzo Bryan M. Montero Andrew Benjamin Moss Joseph M. Musolino Seho Myung Sofia Mae Nachmias Dennis Gerard Nealon Quentin Di Re O'Brien Elizabeth Mary Olszewski Olivia Helen Ostrowski Thomas Guy Paglinco Matthew Moriarty Parisi

Jash Milan Patel Danielle Rachel Pollner Matthew C. Pulcini Yash Rane Iordan Z. Resnic Matthew John Riel Joseph Tyler Rogers Bryn Nicole Schlussler Iack A. Schnall Martina Joelynn Sell Max E. Serventi Stephen M. Sesko Lauren Elizabeth Sgro Truman Scout Shelton Brendan John Skewis Madison Lynn Smith Harrison Tyler Sneddon Jamie Jieun Song Matthew Peter Stamford Samuel Alec Steinberg Iohn Nolan Steitz Eric T. Stieber Jacqueline Brooke Stoller Samuel J. Striz Hrithik Sundri Courtney Marie Supp Gerard Anthony Sweeney Jr. Jack H. Swenson Anthony Gino Tangredi **Emily Taylor** Trevor Jacques Thenga Iohn Francis Trevisan Claire Miriam van Burken Rebecca Elizabeth Van Siclen Michael Venezia Julio Andres Veracruz John Brian Verity Paige May Verroca Thomas Jordan VonDerVellen Christina Mae Wagenseller Malik Sammy Wahidy Summit D. Wallace Natalie Hong Yue Walsh Yihao Wang Zhenyu Wang Jack Robert Whitley Jeameril Martin Wilson Xiaodong Wu Iared Max Zelin Saida Thalia Zerouali

Haoyuan Zheng Nicholas Elias Zouras

Management

Lucia Alejandra Arguello Alex Spencer Bargetzi Carley A. Barjaktarovich Soren Johanns Valentin Bugtong Tracie Bettina Dinh Brendan Frank Eisler Salma Elboute Nazr Momar El-Scari Savanna Hang Brandon Jetmore Julia Claire Kemp Bryan Yulong Lu Aidan Finley Mantelmacher Zahra Yasameen Bamidele Radjai Terry Francis Rakowsky Jr. Veronica Anna Rostkowski Runzhou Sheng Ethan Chandler Smith Clairmonde Jordan-Colonna Steele Bruce J. Taggart Matthew Tashjian Summit D. Wallace Peter Joseph Walsh Jr. Cross Michael Wilkinson Jordan Michael Wood

Marketing

Daniil Andriichenko Carley A. Barjaktarovich Katherine Garber Bozek Alaina Elizabeth Brotman Soren Johanns Valentin Bugtong Kristina Margaret Callan Honora Mary Campbell Chi Hang Chan Qingxuan Chen Andrew J. Craig Olivia Renee Dehoff Tracie Bettina Dinh Xiang Fan Natalie Ferretti Emma Rose Flaherty Kate Ryan Glasser Alexa C. Grill Bridget Elizabeth Hall Jiaqi Han

College of Business

Kyra Joan Hollenbach Benjamin S. Kabakow Kira Rose Kaehler Julia Claire Kemp Dong Sung Kim Katelyn A. Marina Anna M. Milavec Natalia Rose Montero Jack Harrison Murphy Danielle Nussbaum Rachel Sierra Oppenheimer John R. O'Shea Jenna Marie Perricelli Beatrice Olivia Pinetti Mia Lynn Poley Xinru Qin Jessica Raytsin Veronica Anna Rostkowski Amanda Katherine Sax Aidan Michael Schubert Runzhou Sheng Mia Kathryn Sonberg Clairmonde Jordan-Colonna Steele Zach Ryan Stimmel Thuy Anh Tran **Eloise Anne Trout** Claire Miriam van Burken Raquel Yvette Villanueva Zhuocheng Wang Marques A. Wilson II Yingxin Xie Leiqi Yang

Supply Chain Management Nicole Marion Abbondandelo Christian Friedrich Brodbeck Noa Ella Daskal Isabella Elisa DiRuscio Evan Albert Epstein Andrew Kyle Fishman Kyle Godau Adam Louis Graff Michael Elijah Grape Brianna Danielle Greskoviak Jaret Edward Lane Bryan Yulong Lu Thomas R. Madigan Augustine Christopher Martinez Shane D. McGorty Daniel Robert Moran III Ashley K. Pearce Jessica Raytsin Jeremy Benjamin Schoen Helana Louise Tang

College of Education

Candidates were presented by William Gaudelli, dean of the college.

DOCTORAL DEGREES

Neiad Elias Ammary

Ed.D. - Educational Leadership Athletic Director Time Use at NCAA Division I Institutions

Joseph Ryan Anthes

Ed.D. - Educational Leadership A Randomized Evaluation of Early Elementary Reading and Math Outcomes from Voluntary Summer Learning Programs

Hannah M. Bashian

Ph.D. - Counseling Psychology The Role of Aging, Anxiety, Ageism, and Health Locus of Control on Middle-Aged Adults' Health Outcomes and Health Behaviors

Irem Bilgili-Karabacak

Ph.D. - Special Education Examining Perspectives on Play Dates among Caregivers of Children with and Without Autism

Raquel Marie Burns

Ph.D. - Special Education Understanding the Implementation, Benefit, and Feasibility of SWPBIS in the Classroom Environment

Chelsea Zimmerman Busch

Ph.D. - School Psychology Predictors of Substance Use and Psychological Distress in College Students with and Without ADHD

Devon Anthony Carter

Ph.D. - Special Education Peer-Assisted Learning and Positive Peer Reporting Among High School Students with Emotional and Behavioral Disorders

Molly Daffner-Deming

Ph.D. - School Psychology From Orientation to Graduation: Predictors of Academic Success and Retention for College Freshmen with ADHD

Pegah Eftekharzadeh

Ph.D. - Counseling Psychology Coping, Ethnic Discrimination, and Depression in the Middle Eastern American Community: An Examination of Gender Differences

Kyleigh Patrice Ivory

Ph.D. - Special Education Evaluating the Rate and Quality of Parent Delivered Behavior Specific Praise and the Impact of Self-Monitoring for Skill Maintenance

Aliza Ruth Jaffe Sass

Ph.D. - School Psychology Validation of a Modified Experience Sampling Methodology to Assess Academic Impairment in College Students with ADHD

Monica Mee-Yong Kim

Ph.D. - Counseling Psychology Maternal Sensitivity to Distress and Infant Attachment: Infant Vagal Regulation as a Moderator

Seth Daniel Laracy

Ph.D. - School Psychology The Sleep Beliefs and Values of Parents of Children in Preschool and Kindergarten: A Q Method Study Among Diverse Families

Kimberly A. Levin

Ed.D. - Educational Leadership The Complexity of Teacher Interactions with At-Risk Students

Jennifer Robyn MacDonald

Ed.D. - Educational Leadership Perception of English Learner Education in a Rural, Low Incidence School District: A Phenomenological Study of Key School-Level Stakeholders

Nicholas Graham Mitchell

Ed.D. - Educational Leadership The Digital Distraction of Educational Technology: A Mixed-Methods Analysis of the Multitasking Behavior of Middle School Students

Samuel Mark Perugini

Ph.D. - Teaching, Learning, and Technology

GIS and Hurricane Irma: Using a Web GIS Module to Assess Students' Hurricane Knowledge and Spatial Habits of Mind

Gabrielle Helen Rocchino

Ph.D. - Counseling Psychology School Climate, Teachers' Attitudes, and their Anti-Bullying Intervention Strategies: The Role of Teacher Stress

Tiffany Marie Shimmel

Ed.D. - Educational Leadership Exploring the Valuation of Assessment Methods by Teachers, Teacher Leaders, and Leaders: An Analysis of Values Alignment and Educator Perceptions

Jennifer Lynn Te Huki

Ed.D. - Educational Leadership International School Teacher Perceptions of Their Intercultural Competencies

College of Education

Nina Ventresco Leonhardt

Ph.D. - School Psychology Social Validation of the Classroom Check-Up PBIS Coaching Model

Damian Jacob Wyman

Ph.D. - Comparative and International Education "Better than 1,000 Pieces of Gold": A Case Study of Inland Chinese Parents and Children Making Decisions Together to Study Abroad

Stephanie Rachael Ziegmont

Ed.D. - Educational Leadership Career Education Impact on Students' Career Knowledge, Confidence and Influences

EDUCATIONAL SPECIALIST

Amanda Marie Campanaro Ed.S. - School Psychology

Olivia Lois Rich Ed.S. - School Psychology

Megan Irene Turner Ed.S. - School Psychology

MASTER'S DEGREES

Brooke Nicole Ackerman M.Ed. - Teaching and Learning

Ian Wolfe Adler M.Ed. - Secondary Education

Zaina Fouad Al Falah M.Ed. - International School Counseling

Brittany Marie Altavilla M.Ed. - Special Education

Erin R. Anagnost M.Ed. - Educational Leadership

Alyssa Nicole Balzarotti M.Ed. - Human Development

Aaron David Beetz M.Ed. - International School Counseling

Morgan Jones Benner M.Ed. - Human Development

Taylor Marie Bennett M.Ed. - Educational Leadership

Kristen Grace Berry M.Ed. - Human Development

Jessica E. Berton M.S. - Instructional Technology

Marta Bidoli Fernandes M.Ed. - International School Counseling

Sarah Catherine Boccella M.Ed. - Special Education

Hannah Joy Bovard M.Ed. - School Counseling

Michael A. Boyko M.Ed. - Secondary Education **Stacy L. Burger** M.S. - Instructional Technology

Yin Cai M.Ed. - Human Development

Jia Cao M.Ed. - Counseling and Human Services

Richard Joseph Casey III M.Ed. - Secondary Education

Evan Douglas Chadbourn M.Ed. - Elementary Education

Jennifer Naserien Chesnut-Tangerman M.Ed. - International School Counseling

Amber Zehner Chiafulio M.S. - Instructional Technology

Lauren Elizabeth Cicale Smith M.Ed. - Educational Leadership

Tarah A. Cicero M.S. - Instructional Technology

Taylor Paige Cole M.A. - Teaching and Learning

Elessette Conwell M.Ed. - Educational Leadership

Leslie Elizabeth Corbett M.Ed. - Educational Leadership

Claire Frances Iris Curtin M.Ed. - School Counseling

Gretchen Goodrich Curtis M.Ed. - International School Counseling

Pamela Marie Danko M.Ed. - Counseling and Human Services **Allison N. Dantinne** M.Ed. - Secondary Education

Juan Jose Davila M.Ed. - Educational Leadership

Laura Ann DeFelice M.Ed. - Counseling and Human Services

Tracy A. Diefenderfer M.Ed. - Educational Leadership

Lisa Do M.Ed. - Counseling and Human Services

Devin Trumane Dobson M.Ed. - Educational Leadership

Alyson Brooke Ellison M.Ed. - Counseling and Human Services

Nicola Jayne Ellwood M.Ed. - Educational Leadership

Meagan Mary Eripret M.Ed. - Elementary Education

Kristin Marie Erle M.Ed. - Teaching and Learning

Micha M. Fell M.Ed. - Educational Leadership

Jacquelyn C. Fetzer M.Ed. - Elementary Education

Emily Rose Forcht M.Ed. - Human Development

Julie P. Fraenkel M.Ed. - Elementary Education

Isabella Mia Franks M.Ed. - Counseling and Human Services

Amy Katharine Gardiner M.Ed. - Special Education **W. Rod Gerdsen** M.Ed. - Educational Leadership

Jack Matthew Gibson M.Ed. - Educational Leadership

Kyle Johnathon Giesbrecht M.Ed. - International School Counseling

Rachel Nicole Gingrich M.Ed. - Secondary Education

Emily Louise Glueck M.Ed. - Secondary Education

Thomas Golden M.Ed. - Secondary Education

Wendy J. Goldman M.Ed. - Educational Leadership

Nayla Habib M.Ed. - International School Counseling

Jaclyn Rose Haiem M.Ed. - Counseling and Human Services

Julia Hall M.Ed. - School Counseling

Keyonta' Shannon Hall M.Ed. - Counseling and Human Services

Ginger E. Harper M.Ed. - International School Counseling

Molly Margaret Harper M.Ed. - Counseling and Human Services

Ryan D. Harper M.Ed. - Special Education

Mary V. Hartnett M.Ed. - Educational Leadership Melissa Helm M.Ed. - Special Education

Madeline Grace Henderson M.Ed. - Educational Leadership

Jessica Lynn Hergenrother M.Ed. - Educational Leadership

Sophie Anne Hillier M.Ed. - International School Counseling

Lauren Veronica Hochberg M.Ed. - Human Development

Paige Katharine Hoffman M.Ed. - Educational Leadership

Shannon Elizabeth Hreyo M.Ed. - School Counseling

Sara Hwang M.Ed. - International School Counseling

Silvia Jimenez Atochero M.Ed. - International School Counseling

Ellen Rae Johnston M.Ed. - International School Counseling

Ayesha Mohammad Kamal M.Ed. - International School Counseling

Brittney Elise King M.Ed. - Special Education

Aileen Y. Klingensmith M.Ed. - Behavior Analysis

Bethany M. Koenig M.Ed. - Educational Leadership

Brooke Ashley Kohler M.Ed. - Human Development

College of Education

William Thaddeus Kosinski M.Ed. - Secondary Education

Jessica Ann Lathrop M.Ed. - Human Development

Samantha Michelle Lawson M.Ed. - Secondary Education

Lindsay Scott Lebresco M.Ed. - Educational Leadership

Natalie Grace Levine M.Ed. - Elementary Education

Nicole Lichtenstein-Lowell M.Ed. - Educational Leadership

Alexander Robert Lincoln M.Ed. - Educational Leadership

Natania Sage Lipp M.Ed. - Human Development

Brooke Kathryn Loller M.Ed. - Behavior Analysis

Julia Leigh Lombardo M.Ed. - Special Education

Amy Elizabeth Long M.Ed. - Behavior Analysis

Melissa Andrea Lopez M.Ed. - International School Counseling

Alexander Manuel Lopez-Barton M.Ed. - Educational Leadership

Susan Janette Macdonald M.Ed. - Educational Leadership

Anthony John Marinelli M.Ed. - Educational Leadership

Allison Lynn Markel M.Ed. - Special Education

Amanda McCready M.Ed. - Behavior Analysis **Randi Le McCullough** M.Ed. - Behavior Analysis

Matthew Edward McDonough M.Ed. - Educational Leadership

Rory Daniel McMullen M.S. - Instructional Technology

Ariella Beth Mease M.Ed. - Educational Leadership

Francisco Jesus Mendez M.Ed. - Counseling and Human Services

Bradley Douglas Merkl-Gump M.Ed. - Teaching and Learning

Lauren Kim Miller M.Ed. - Human Development

Douglas Edward Molhoek M.S. - Instructional Technology

Jessica Haley Morrell M.Ed. - Counseling and Human Services

Jessica Ann Mowrey M.Ed. - Special Education

Katie Lynn Neumann M.Ed. - Teaching and Learning

Patrick John O'Connor M.Ed. - Educational Leadership

Michaela Ann Ott M.Ed. - Secondary Education

Jung Su Park M.Ed. - School Counseling

Jeremy Balanza Pascua M.Ed. - Human Development

Ada Lorraine Patterson M.Ed. - Secondary Education Marshall Ward Peppelman M.Ed. - Educational Leadership

Danielle E. Perdock M.Ed. - Secondary Education

Mariangela Yvonne Perrella M.Ed. - Human Development

Jonathan F. Piperato M.Ed. - Educational Leadership

Mark R. Piskorski M.S. - Instructional Technology

Brett Podhyski M.S. - Instructional Technology

Katie Praetzel M.Ed. - Special Education

Samantha Nicole Pross M.Ed. - Elementary Education

Sabina Katarzyna Reeder M.Ed. - School Counseling

Kailen Janae Richmond M.Ed. - Educational Leadership

Teresa Rosenberger M.Ed. - Human Development

Debra Ausband Rubart M.S. - Instructional Technology

Sharon Christine Rubart M.Ed. - Educational Leadership

Marlena Brooke Shirley Ruser M.Ed. - Elementary Education

Christine Ann Russell M.Ed. - Educational Leadership

Alison Saeger M.Ed. - Educational Leadership

Hope Karoline Sagnip M.S. - Instructional Technology **Greg Sanguinito** M.Ed. - Special Education

Celysmar Santana Oquendo M.Ed. - Educational Leadership

Brooke Frances Santy M.Ed. - Special Education

Michael August Sartini M.Ed. - Secondary Education

Karissa A. Schmidt M.Ed. - Special Education

Rachel Lee Seitz M.Ed. - Special Education

Taylor Shafer M.Ed. - Human Development

Kathryn Shefren M.Ed. - Educational Leadership

Samantha Blair Shera M.Ed. - Human Development

C. Finn Siepser M.Ed. - Counseling and Human Services

Iana Sigitova M.Ed. - International School Counseling

Jaskarampreet Singh M.Ed. - Educational Leadership

Allison Slate M.Ed. - School Counseling

Emily Mara Smull M.Ed. - Special Education

Raquel Sosa M.Ed. - Human Development

Melissa Veronica Stewart M.Ed. - Educational Leadership **Katherine Dona Stodter** M.Ed. - Teaching and Learning

Jessica Stralkowski M.Ed. - Educational Leadership

Adelle Kaye Sturgell M.Ed. - Human Development

Laura Ellyn Sutter M.Ed. - Educational Leadership

Alexis Maria Szaro M.Ed. - School Counseling

Thomas John Tancin M.Ed. - Educational Leadership

Wilma Tejeda M.Ed. - School Counseling

Kristi Tripoli M.Ed. - Teaching and Learning

David J. Troyan M.Ed. - Educational Leadership

Stephanie Marcella Tsihlis M.Ed. - Educational Leadership

Kyle Michael Van Laar M.Ed. - Educational Leadership

Darren Richard Vargo M.Ed. - Educational Leadership

Sara Irene Wendell M.Ed. - Human Development

Keya Felicia Williams M.Ed. - Counseling and Human Services

Joseph Kenneth Winter M.Ed. - Elementary Education

Hannah Katherine Wright M.Ed. - Teaching and Learning

Shauna York M.Ed. - Special Education Megan Jo Yosko M.Ed. - Human Development

Corinne Elizabeth Zimmerman M.Ed. - Human Development

Henry Herbert Zink M.Ed. - Human Development

P.C. Rossin College of Engineering and Applied Science

Candidates were presented by Stephen P. DeWeerth, dean of the college.

DOCTORAL DEGREES

Ahmed Khudher Abdulridha

Ph.D. - Structural Engineering Structural Concrete for Thermal Energy Storage in Power Generation Facilities: Modular Demonstration and Reinforcement Creep Testing

Mohammed Redha Mahdi Aliakbar

Ph.D. - Civil Engineering Seismic Analysis and Design of Self-Centering Cross-Laminated Timber Shear Wall Buildings

Khalid Fouad Alqosaibi

Ph.D. - Mechanical Engineering The Development of Advanced Hot Runner Systems for High Precision Injection Molding Advisor: John Coulter

Abdulrahman Alrumayh

Ph.D. - Mechanical Engineering Simulation of Crack Propagation for Additive Manufactured Components Advisor: Herman Nied

Muhannad Sahib Ali Altimemy

Ph.D. - Mechanical Engineering Mitigation of Flow-Induced Pressure Fluctuations Inside a Francis Turbine Using Large Eddy Simulations Advisor: Alparslan Oztekin

Tomas Farley Babuska

Ph.D. - Mechanical Engineering Linking Structure, Properties, Processes, and Tribological Performance Throughout the Lifecycle of Molybdenum Disulfide Advisor: Ganesh Balasubramanian

Liyuan Cao

Ph.D. - Industrial and Systems Engineering Model-Based Derivative-Free Optimization Methods and Analysis of Stochastic Nonlinear Optimization Advisor: Luis Vicente

Swetha Chandrasekar

Ph.D. - Bioengineering Impact of Cell Cycle Dependent Endocytosis of DNA-wrapped Single-walled Carbon Nanotubes (DNA-SWCNTs) on the Fate of Neural Progenitors Advisor: Sabrina Jedlicka

Minghui Cheng

Ph.D. - Structural Engineering Probabilistic Life-Cycle Management of Structural Systems Considering Attitudes and Perceptions of Decision-Makers and Machine Learning Advisor: Dan Frangopol

Sertac Cosman

Ph.D. - Mechanical Engineering Forward Osmosis and Vacuum Membrane Distillation Hybrid Module for Desalination Process Advisor: Alparslan Oztekin

Onur Denizhan

Ph.D. - Mechanical Engineering Incorporation of Kinematic Analysis, Synthesis and Optimization into Static Balancing Advisor: Meng-Sang Chew

Michael M. Drury

Ph.D. - Structural Engineering Critical Temperature Relationships for the Performance-Based Design of Realistically-Restrained Steel Composite Floor Assemblies Advisor: Spencer Quiel

Jonah Evan Duch

Ph.D. - Materials Science and Engineering Strain Aging and Stress Relief Cracking Susceptibility of Precipitate Strengthened Alloys INCONEL 740H and 347H Advisor: John DuPont

Hanlin Fu

Ph.D. - Electrical Engineering New Classes of III-Nitrides for Light Emitters and Power Electronics Advisor: Sushil Kumar

Peng Gao

Ph.D. - Mechanical Engineering Dynamic Melt Manipulation During Injection Molding Process for Enhancement of Semi-Crystalline Material Properties Advisor: John Coulter

Tomas Grejtak

Ph.D. - Mechanical Engineering Evolution-Structure-Property Relationships of Tissues Drive Functionality in Slicing and Grinding Dentitions Advisor: Natasha Vermaak

Thitiporn Kaewpetch

Ph.D. - Polymer Science and Engineering Microstructure and Instability in Drying Colloid-Polymer Films Advisor: James Gilchrist

Deliya Kim

Ph.D. - Mechanical Engineering Performance Characterization of the Direct Contact Membrane Distillation Module Operated with Highly Concentrated Solution Advisor: Alparslan Oztekin

Jeongjoo Kim

Ph.D. - Civil Engineering Capacity-Controlled Forces for Seismic Design and Story-Mechanism-Control Design of MRFs Advisor: Richard Sause

Bowen Li

Ph.D. - Chemical Engineering Obtain High Accuracy Data-Driven Molecular Property Estimation from Sparse Data Advisor: Srinivas Rangarajan

Minhan Li

Ph.D. - Industrial and Systems Engineering Topics on Data Science and Optimization Advisor: Frank Curtis

Tao Li

Ph.D. - Industrial and Systems Engineering Designing Reinforcement Learning Models for Combinatorial Optimization Problems

Qi Liu

Ph.D. - Computer Engineering Enhancing the Security and Reliability of Deep Learning Systems under Attacks and Hardware Faults Advisor: Wujie Wen

Suyun Liu

Ph.D. - Industrial and Systems Engineering Stochastic Multi-Objective Optimization and Its Application to Fairness in Machine Learning Advisor: Luis Vicente

Runfang Mao

Ph.D. - Chemical Engineering Investigate the Design Principle of DNA Functionalized Particles Assembly Processes Advisor: Jeetain Mittal

John Andrew McGlynn

Ph.D. - Chemical Engineering Microrheological Characterization of Cell-Mediated Remodeling of Polymer-Peptide Hydrogels Advisor: Kelly Schultz

Subramanya Pranav Kashyap Modali

Ph.D. - Mechanical Engineering On the Performance and Near Wake Characteristics of a Tidal Stream Turbine under Axial Flow Misalignment Advisor: Arindam Banerjee

Benjamin Morton Moskowitz

Ph.D. - Chemical Engineering Molecular-Level Insights into the Conversion of Ethanol to 1,3-Butadiene over ZnO-ZrO2/SiO2 Catalysts Advisor: Israel Wachs

Mehdi Nikfar

Ph.D. - Mechanical Engineering Numerical and Mathematical Modeling of Biological Systems: Mechanical Hemolysis and Drug Delivery Systems Advisor: Yaling Liu

Hussam H. Noor

Ph.D. - Mechanical Engineering An Investigation on Enhancing Material Extrusion Additive Manufacturing by Introducing Rheo-Printing Technology Advisor: John Coulter

Onoriode Nathaniel Ogidi-Ekoko

Ph.D. - Electrical Engineering Machine Learning Inspired III-Nitride Photonics Design and Power Devices Advisor: Jonathan Wierer

Nur Koncuy Ozdemir

Ph.D. - Chemical Engineering Scalable Bioinspired Synthesis of Functional Metal Sulfide Quantum Dots

Advisor: Mark Snyder

Jiangkai Peng

Ph.D. - Electrical Engineering High-Performance Distributed Control and Optimization of DGs in DC Microgrids Advisor: Wenxin Liu

Mohammad Pirhooshyaran

Ph.D. - Industrial and Systems Engineering Machine Learning in Complex Systems Advisor: Lawrence Snyder

Nijenthan Rajendran

Ph.D. - Mechanical Engineering Metal Flow Optimization Within the Deformation Zone in Continuous Rotary Extrusion (CRE) of AZ91 Magnesium Alloy Advisor: Wojciech Misiolek

Meghdad Razizadeh

Ph.D. - Mechanical Engineering Supra Coarse-Grained Modeling of Biological Membranes Advisor: Yaling Liu

Noah Daniel Reifsnyder

Ph.D. - Computer Science A Study of Goal Agents' Expectations for Nondeterministic and Continuous Domains Advisor: Hector Munoz-Avila

Ankit Roy

Ph.D. - Mechanical Engineering Multi-Principal Element Alloys: Atomistic Features Governing the Structural Properties of Refractory Multicomponent Alloys Advisor: Ganesh Balasubramanian

P.C. Rossin College of Engineering and Applied Science

Abdul Fahim Rustamy

Ph.D. - Structural Engineering Probabilistic Resilience Assessment of Electrical Substations

John David Sakizadeh

Ph.D. - Chemical Engineering Bio-Inspired Synthesis of High-Performance Photocatalysts Advisor: Steven McIntosh

Joseph M. Saunders

Ph.D. - Structural Engineering Fatigue Assessment of Steel Plate Cut-Outs using a Local Nominal Stress with Application to Slit RFB Connections Advisor: Richard Sause

Peter Michael Schwarzenberg

Ph.D. - Mechanical Engineering Development and Validation of Virtual Mechanical Testing of Bone Fracture Healing Advisor: Hannah Dailey

Zheng Shi

Ph.D. - Industrial and Systems Engineering Advanced Algorithms and Applications in Machine Learning Advisor: Martin Takac

Manoj Ruvinda Silva

Ph.D. - Chemical Engineering Natural and Tailored Magnesium-Based Materials for Adsorptive Nutrient Recovery and Catalytic Wastewater Treatment Advisor: Jonas Baltrusaitis

Sagar Sourav

Ph.D. - Chemical Engineering Molecular Structural Dynamics of Supported Mn2O3-Na2WO4/SiO2 Catalysts during Oxidative Coupling of Methane (OCM) Advisor: Israel Wachs

Praveen Sreeramagiri

Ph.D. - Mechanical Engineering High-Entropy Alloys: Predictive Laser Deposition for Targeted Phase and Structural Properties Advisor: Ganesh Balasubramanian

Xiangshuo Tang

Ph.D. - Mechanical Engineering Asymptotic Method for Entropic Multi-Relaxation Time Model in Lattice Boltzmann Method Advisor: Alparslan Oztekin

Huijie Tian

Ph.D. - Chemical Engineering Data-driven Modeling in Understanding the Mechanism of Heterogeneous Catalytic Reactions Advisor: Srinivas Rangarajan

Xiaolong Wang

Ph.D. - Mechanical Engineering Configuration and Motion Planning Using Graph Augmentation Advisor: Subhrajit Bhattacharya

Xiongliang Wei

Ph.D. - Electrical Engineering InGaN Quantum Dots for Efficient Light Emitters Advisor: Jonathan Wierer

Nan Wu

Ph.D. - Chemical Engineering Rheological Characterization of Hydrogel Degradation for the Design of Drug Delivery Vehicles Advisor: Kelly Schultz

Yuan Zeng

Ph.D. - Electrical Engineering Learning Algorithm Designs for Biological Neural Networks Advisor: Xiaochen Guo

Bin Zhang

Ph.D. - Chemical Engineering Olefin Metathesis by Supported Metal Oxide Catalysts: Influence of Oxide Supports Advisor: Israel Wachs

Leiming Zhang

Ph.D. - Mechanical Engineering Graph Modal Methods and their Applications to Multi-Robot Systems Advisor: Subhrajit Bhattacharya

Youshan Zhang

Ph.D. - Computer Science Unsupervised Domain Adaptation for Visual Recognition Advisor: Brian Davison

Baoyu Zhou

Ph.D. - Industrial and Systems Engineering Methods for Large Scale Nonlinear Optimization and Equality Constrained Stochastic Optimization Advisor: Frank Curtis

Yihe Zhuo

Ph.D. - Industrial and Systems Engineering Modeling and Algorithms: Applications in Power Systems and Facility Layouts Advisor: Lawrence Snyder

MASTER'S DEGREES

Tariq Faisal Hayat Al-Serhan

M.Eng. - Technical Entrepreneurship

Naif Ahmed G. Alghamdi

M.S. - Polymer Science and Engineering

Jacob M. Ammarell

M.Eng. - Polymer Science and Engineering Michael Obeng Annor M.S. - Materials Science and Engineering

Mackenzie J. Anton M.Eng. - Technical Entrepreneurship

Kayleigh Anne Atanasoff M.S. - Bioengineering

Myles E. Bagley M.Eng. - Technical Entrepreneurship

Jasmine Tracy Banful M.S. - Mechanical Engineering

Jamel Bernadotte M.Eng. - Structural Engineering

Tejaswini Binnamangala Srinath M.S. - Computer Science

Nicole Michelle Bolton M.Eng. - Technical Entrepreneurship

Ellen Mara Boster M.S. - Mechanical Engineering

Nicholas Francis Branham M.Eng. - Chemical Engineering

Emma Hill Bristol M.Eng. - Environmental Engineering

Emmett S. Brown M.S. - Materials Science and Engineering

Jack Warren Byers M.S. - Computer Science

Dawei Cao M.Eng. - Industrial and Systems Engineering

Dana L. Case M.Eng. - Energy Systems Engineering

Andrew N. Charway M.S. - Electrical Engineering Janny G. Chen M.Eng. - Structural Engineering

John Gabriel Chou M.Eng. - Technical Entrepreneurship

Jasper Kipkemei Chumba M.Eng. - Energy Systems Engineering

Francesca Jean Cicciari M.Eng. - Chemical Engineering

Riley Stevens Conklin M.Eng. - Structural Engineering

James Austin Conte M.S. - Computer Science

Mary Hope Cotturo M.Eng. - Chemical Engineering

Daniel Robert Cunningham M.Eng. - Management Science and Engineering

Christopher Jonathan Daly M.S. - Mechanical Engineering

James Jerry Davis III M.Eng. - Technical Entrepreneurship

Ronald Thomas Debiec M.Eng. - Polymer Science and Engineering

Bradford Angelo DeMassa M.Eng. - Technical Entrepreneurship

Juliana Marie DeThomasis M.Eng. - Structural Engineering

Musa'ab Ejaz M.Eng. - Mechanical Engineering

Natalie Ann Fassbender M.Eng. - Chemical Energy Engineering

Jacob Francis Fischer M.S. - Bioengineering Leigh Meta Friedman M.Eng. - Healthcare Systems Engineering

Joshua A. Gordon M.Eng. - Structural Engineering

Jacob Douglas Silvestre Graham M.Eng. - Structural Engineering

Jordan Lucas Greenland M.S. - Polymer Science and Engineering

Haina Guo M.S. - Computer Science

Hanchu Guo M.Eng. - Electrical Engineering

Jewel Haik M.S. - Mechanical Engineering

Rachel Hamburger M.S. - Structural Engineering

Jianzhi Han M.S. - Computer Science

Yufei Hao M.S. - Civil Engineering

Dinglun He M.S. - Electrical Engineering

Scott A. Heffelfinger M.S. - Environmental Engineering

Luke C. Hess M.Eng. - Healthcare Systems Engineering

Yuling Hou M.S. - Computer Science

Kehao Hu M.S. - Mechanical Engineering

Lei Huang M.S. - Computer Science

P.C. Rossin College of Engineering and Applied Science

Margaret Elizabeth Huettner M.S. - Mechanical Engineering

William Patrick Hughes M.Eng. - Energy Systems Engineering

Ethan Thomas Imler M.S. - Mechanical Engineering

Haowen Jiang M.S. - Computer Science

Yichen Jin M.S. - Computer Science

Sagar Kaushikkumar Kania M.S. - Mechanical Engineering

Poonam Kapadia M.Eng. - Polymer Science and Engineering

Kabita Karki M.Eng. - Management Science and Engineering

Marta Zuzanna Kasica-Soltan M.Eng. - Computer Engineering

Anna Rae Katz M.Eng. - Healthcare Systems Engineering

Tyler Keller M.Eng. - Civil Engineering

Griffin Dean Kent M.S. - Management Science and Engineering

Grant Lee Kim M.Eng. - Technical Entrepreneurship

Zhaoming Kong M.S. - Computer Science

Vaneck Yankam Kounga M.S. - Materials Science and Engineering **Peter Damien Landis** M.Eng. - Chemical Engineering

Nicholas Vincent LaRosa M.S. - Electrical Engineering

Edward C. Leggett M.Eng. - Healthcare Systems Engineering

Yikun Li M.Eng. - Management Science and Engineering

Yingpei Li M.S. - Electrical Engineering

Daniel G. Lindenmuth M.S. - Chemical Engineering

Liu Liu M.S. - Computer Science

Emily A. Lopez M.S. - Mechanical Engineering

Erika A. Luna Zambrano M.Eng. - Polymer Science and Engineering

Xinwei Luo M.S. - Electrical Engineering

James Richard Mannherz M.Eng. - Healthcare Systems Engineering

Theodora Anna Martin M.Eng. - Biological Chemical Engineering

Vanessa Marie Martinez M.Eng. - Structural Engineering

Christian Salvatore McHugh M.Eng. - Technical Entrepreneurship

David Benjamin McKenzie M.Eng. - Chemical Engineering **Emmanuel Robert Meinen** M.Eng. - Polymer Science and Engineering

Conor Angus Mitchell M.S. - Mechanical Engineering

Natalie Hope Morgan M.Eng. - Technical Entrepreneurship

Edwin Njabulo Moyo M.Eng. - Chemical Engineering

Scott S. Nickells M.S. - Chemical Engineering

Shaohao Ning M.S. - Civil Engineering

Jennifer Nowak M.Eng. - Healthcare Systems Engineering

Matthew Patrick O'Brien M.Eng. - Energy Systems Engineering

Usman O. Ologunebi M.Eng. - Healthcare Systems Engineering

Paul Onraet M.Eng. - Biological Chemical Engineering

Brandon Paul Paetzell M.Eng. - Technical Entrepreneurship

Swati Lakshmi Palghat M.Eng. - Healthcare Systems Engineering

Sang-jun Park M.S. - Computer Science

Ratul Paul M.S. - Mechanical Engineering

Jackson Lee Payne M.Eng. - Structural Engineering Hank Westman Portney M.S. - Mechanical Engineering

Nithin Rajaram M.S. - Mechanical Engineering

Sofia Rebecca Ramirez M.Eng. - Management Science and Engineering

Edward Channing Raymond M.Eng. - Biological Chemical Engineering

Mark Andrew Schafer M.S. - Electrical Engineering

Alex Schiffman M.S. - Computer Engineering

Princess Yvette Scott M.Eng. - Technical Entrepreneurship

Kelly Brianne Seims M.S. - Materials Science and Engineering

Whitney Alynn Shepperson M.Eng. - Polymer Science and Engineering

Samuel Showman M.S. - Bioengineering

Thomas Siggillino M.S. - Materials Science and Engineering

Nicholas David Sireci M.S. - Computer Science

Kaja Skerlj M.Eng. - Technical Entrepreneurship

Seth Thomas Slavin M.S. - Mechanical Engineering

Joshua Luke Spair M.Eng. - Healthcare Systems Engineering Harihar V. Subramaniam M.Eng. - Chemical Engineering

Thomas Paul Szewczyk M.Eng. - Structural Engineering

Giavanna Carmella Tabbachino M.Eng. - Management Science and Engineering

Samuel Nkosilathi Tapera M.Eng. - Technical Entrepreneurship

Jorgo Damtew Tesfa M.Eng. - Industrial and Systems Engineering

Mohammad Saleh Teymouri M.S. - Mechanical Engineering

Zachary Alvin Troxell M.Eng. - Technical Entrepreneurship

Indiany Valdez Herrera M.Eng. - Technical Entrepreneurship

Eric Daniel Verhasselt M.S. - Mfg. Systems Engineering

Maxim Anthony Vezenov M.S. - Computer Science

Vasilios Oliver Walsh M.S. - Computer Science

Jing Wang M.Eng. - Industrial and Systems Engineering

Ruoyu Wang M.S. - Computer Engineering

Yakun Wang M.Eng. - Industrial and Systems Engineering

Wei Wei M.Eng. - Industrial and Systems Engineering Susan Marie Westman M.S. - Bioengineering

Marisa Nicole Wildonger M.Eng. - Polymer Science and Engineering

Jeffrey Lynn Wiswell Jr. M.Eng. - Healthcare Systems Engineering

Aaron Gregory Wittkorn M.Eng. - Polymer Science and Engineering

Malia Olivia Wolf M.Eng. - Technical Entrepreneurship

Yichen Xu M.Eng. - Environmental Engineering

Zhaoyang Yan M.S. - Computer Science

Xuyang Yang M.Eng. - Electrical Engineering

Sarah Elizabeth Yeager M.Eng. - Energy Systems Engineering

Heng Zhang M.S. - Mechanical Engineering

Zhilun Zhang M.Eng. - Industrial and Systems Engineering

Zhongtian Zhang M.S. - Electrical Engineering

Rui Zhong M.Eng. - Industrial and Systems Engineering

Jinyi Zhou M.S. - Civil Engineering

BACHELOR OF SCIENCE DEGREES

Applied Science Jack Edward Rosenblatt

Bioengineering

Aylin Ay Julia Lee Ballentine Abiageal Bridget Barton Elizabeth Ann Buck Carly A. Carpino Cecily M. Coffman Natalie Elizabeth Condon Carolyn Miu David Boris Augustus Duka Alivia Marie Gallo Michael James Gonzalez-Mercedes Sara Marie Gould Catherine Veronica Hammond Kelly Taylor Heaphy Melissa Rose Henry Natasha Katharine Hunt Peter J. Jensen Andrew Kitson Ellen Eileen Klucznik Lingyang Kong Lily A. Kuhn Maria Mae Lancia Victoria Grace Landis Michael Lazzaro Zewei Lei Kayla Donelle McMillan Benjamin Phillip Murphy Rafi Q. Naber Nicholas Miller Norton Tiffany XJ Pang Leah Michelle Pasch Jaro Pick Perera Ilianna Lee Perez Carter M. Prokesch Yueving Qiu Nicole Rawiszer Luke Travis Rettig Amanda S. Rubin Connor Daniel Salerno Lindsey Brooke Seroka Neena Shah Amanda Edna Spencer

Maham Tanveer Jake Avedissian Tosh Madison Taylor Trinkle Sarah Truxal Rylie Jean Urbanski Lingshu Wang Yu Fei Wang Samuel Henry Ward Linxi (Poplar) Yang Rachel Elizabeth Zale

Chemical Engineering

Samuel Michael Jeffrey Agro Abdulaziz Abdulrahman Alsalem Kelby A. Anderson Rani Baidoun Lidya Yalew Bekele Sydney Erin Belej Maria Candelaria Boffi William Ellis Buckley Benjamin Isaac Burkhart Zeping Chen Chang Hyeon Choi Brady S. Coleman Zachary D. Corcoran Kiera Jane Croland Lin Du Nicholas Anthony Fantini Emma Fernandez Echeverri Jovanna Veronica Gonzalez Richard James Hart III Michael James Hill Aubre-Anne Ibanez John Klikushin Vincent Paul Kundrik Madeline G. Malone Annie Deirdre McNally Veronica R. Meyer Michael Gerard Nardelli Megan Elizabeth Purcell Carly Melissa Roche Leiry Laura Rumaldo Alda Saba Parshwa S. Sheth Anna Sivinski Jeremy B. Stoddard Merith Velazquez Jimenez Megan M. Walker Cameron John Wood Alexander Michael Ziemba

Chemistry

Alexander James Forry

Civil Engineering

Sakshi Acharya Tucker Adison Bayda Evan Thomas Concannon Benjamin Paul Czaja Alyssa Nicole Drosnock Justin M. Fischetti Giovanna Goncalves Zamora **Emily Rose Grills** Dara Toby Hecht Vivi N. Hoang Alexis Jose Javier Vaafoulay Sulaiman Kanneh Alexander Edward Kiel Lucas Paul King James O'Mara Lamphier Colin James Lerner Brandon S. Lima Drew Ward Miller Gabriel Maximo Pinheiro Quinton Shane Fitzgerald Ritchie Evelyn Jean Roth Jason Shao Gregory Matthew Strabo Jillian Maria Tamarazzo Jarrett M. Taneyhill Alexander Valente Torres Kenneth E. Warman IV Grant B. Zuver

Computer Engineering

Nathaniel Adjei Vaibhav Anand Henry W. Anderson Clayton Maclean Boice John Alexander Carr Matthew Clarke Stephen Jack Fisher Kairan Gu Wilmer Alexander Hernandez Jr. Grant Michael Hershman Martin Labib Matthew Kremer Mahoney Sameer R. Merchant Luca Peter Milletti Emma Mirabelli Cameron L. Osborn

Jacob H. Parr Dayna A. Pfau Sharun Rajaram Charles Bradley Rittler III Ryan W. Schmid Nathaniel K. Schutte Erick M. Siguenza Berry Pan Situ

Computer Science

Justin Reid Angelel Noah Filip Backman Mickias Bekele Peter Anthony Bernard Nicolas Campion Tal Derei Victoria Louise Dorn Nicole Jane ElChaar Hannah Fabian Melissa Caitlyn Fedorka Marc Alexander Ferdinandusse Haoluo Fu Hailey S. Goldschmidt Dylan J.H. Goldstock Andrew Ha Ralph Nicolas Haddad Muyuan He Samuel Leonard Joffe Athanasios Kougionis Kenny Kwock Kevin S. Laudano Iason Edward Lee Jack Liu Yuzhe Liu Maximillian Karl Machado Yixun Meng Ulan Mirlanov Chloe Dayne Norvell Jacob Campbell Oakman Cormac John O'Day Wesley Robert Olsen Nicholas C. Owens Bratislav Kilian Petkovic Andrew A. Principato Felix Manuel Quintana Buckley R. Ross Jason Thomas Schanck Samuel Noah Schwartz Neel Ram Sikka Ryan A. Stelly

Hayden L. Trautmann Graham Wandless Jiabei Wei Reilly Daniel Yankovich Shenyi Yu Jiaqiang Yuan Alan Eduardo Zarza Yifan Zhang Yue Zhuo

Electrical Engineering

Beyza Akinci RaShawn Jamal Allen David Scott Brandt Kevin E. Brown Harrison Peter von Rinteln Ernst Jean-Pierre Fearon-Hernandez Calista Nicole McCarty Christian James Schulte Jeremy William Strungis Ziyi Xuan Ziyang Zhang

Environmental Engineering

Nora Ann Abbott Rachel A. Condon Nicholas Peter Crociata Caileen Rose Dollard Kristen Brittany Hayes Ava Lauren Hudson Victoria Francis Jepson Menglin Jiang Joshua S. Kalada-Kania Alyssa M. Klinger Samuel Nadeau Haley Taylor Robb Alexis Rose Romeo Gia Nichole Schweitzer **Jade Sessions** Belle Sarah Millicent Sullivan Aimee Teplitskiy Alexander Michael Ziemba

Industrial and Systems Engineering

Nathaniel Robert Alter Samuel Martin Bupp Justin Ismael Cajamarca Sophie Barnard Champ John David Fris Aidan Gales Sam D.W.K Geroux Mary Anne Grabowski Emma N. Grothaus Elizabeth M. Haines Iames Hanna Ryan Christopher Heaton Mitchell Charles Heyda Michael Shane Jeney Austen Reece Johnson **Jacob Paul Kassis** Alexandra Marie Largey Alexander Marcus Lidonnici Aidan James Liston Sage Moon Lucas Amanda Lauren Morrison Samantha Fu Nason Zachary Kane Olson Ryan M. Palmer Sheina Patel Valentine Perevalov Pritam Reddy Scott Hanson Rothstein Dylan Thomas Scheidle Jonathan D. Schiltz Yanlin Shen Kate Halley Silverman Logan M. Stormont Owen Robert Thomas Sarah R. Vaknin Winton Yingjun Wong James Damy Wood Jiaming Yao

Materials Science and Engineering

Ely Brown Savannah J. Buzzeo Chase D. Clapp Alek Sze-Hua Elcavage Julia Suzanne Patridge Austin James Pisani Anna Sophia Adelle Smith Julian Tsang

P.C. Rossin College of Engineering and Applied Science

Mechanical Engineering

Satoshi Abe Christopher A. Amaral Dana Baker-Tubbs Kyle N. Batchelor Audrey Elisa Benson **Dawson James Berger** Nathan Bowler Matthew James Braun Thomas Martin Bryan Jr. Lucas Viola Burke Ryan Joseph Burke Rhys Christopher Busillo Maximiliano Raul Campusano Evan Adam Chinman Kelly Anahy Coca Addison Vance Cochran Shaun P. Coulter Brennan Lawrence Daly Julia Anne Damron David Dang Michael Ross Delman Michael Christopher DeMasi Joseph Allen Dermond John Reed DiCenso Erin N. Dillon Jakob Moore Donoghue Julia Katherine Dorley Gabrielle Franolich Eliseo Dmitry Gregory Fay Ryan Michael Ferdinand **Emily Ann Ferencz** Steven Gerazounis Joseph E. Hana Sarah Grace Hancock Luke Hanna Ethan J. Hill Elliot Arthur Horowitz Melanie Grace Huber Nattapat (Dream) Intarachumnum Elijah S. Jones Jae Yong Ju Gerassimos Garrett Kalogiratos Philip G. Kaufinger Devon Jay Kolumber Trevor John Kraws Nicholas M. LaBadie Vincent S. Lazzaris

Nicholas Nering Lorch Travis John Martinez Davis Christian Maxie Maybeck Lawrence McCann Edward Arthur McCarty III Kerry Jean McHugh Patrick T. McLaughlin Benjamin Alexander Metz Ashley Naomi Moscoso Abiola Adeola Oladipo Rvan T. Peterson Alexander Edmund Powell Robert Logan Prann Kevin Ryan Prochner Logan R. Riker Calvin John Rivera William Thomas Schelling Era Shuaipi Quinten B. Slyder Bree Ana Smentkowski Samantha Sorokin Griffin T. Soule Yuzhe Wang Troy Wilford-Hunt Ashley Kemp Wilhelm Tristan Alexander Wolf Xin Ling Xu Mikhaila Elizabeth Zacharia Shaohan Zhang

Interdisciplinary Programs

Candidates were presented by Georgette Chapman Phillips, the Kevin L. Clayton '84 '13P and Lisa A. Clayton '13P Dean of the College of Business, and Stephen P. DeWeerth, dean of the P.C. Rossin College of Engineering and Applied Science.

MASTER'S DEGREES

Jack Brennan Dean M.S.F.E. - Financial Engineering

Yiran Liu M.S.F.E. - Financial Engineering

Matthew Ellison Marine M.S.F.E. - Financial Engineering

Michael Orval Nelson M.S.F.E. - Financial Engineering

Tian Xu M.S.F.E. - Financial Engineering

Bryan Issac Yekelchik M.S.F.E. - Financial Engineering

Pulin (Kirin) Zhang M.S.F.E. - Financial Engineering

BACHELOR OF SCIENCE IN COMPUTER SCIENCE AND BUSINESS (CSB)

Gustavo Adame De La Rosa Jordon Philip Baum Kyle Patrick Burke Zheyan Chen Ji Ho Choi Zachary Robert Coriarty Andrew Louis Dalzon Haydn Emlyn Davies Adam Melkon Debus Zachary Peter Elliott Bora Batu Fanuscu Gary C. Fishkin Omid Ghazizadeh Julio Cesar Gonzalez Gonzalez Hannah Rae Gotwalt Connor Robert Greene Matthew J. Gunton Brock Markham Herring Sarah Horne Surui Huang Dave Raj Jha Daniel O. Karkhut Joshua Parrish Krinsky Ronan Patrick Leahy Hannah Emily Leland Luke Michael Lenny Antonio Stephen Lia Daolong Liu Xinhao Liu Sarah Anne Loher Peter Tymish Luba Andrew Paul MacCausland Sahil Malhotra Jay William Thompson McCormick Meghna Mishra Alec P. Mitrokostas Christopher L. Munoz Tyler Yok Man Nguyen Michael L. Port Swetha Ramesh Cameron Seth Rosenthal Samuel P. Sausville Graham S. Shanno Nicholas Silva Jenna Rose Simon Karthick Sivakumar Brian T. Snyder Dylan Edward Staniszewski Kenneth Capello Straw Ngan Tran **Iefferson Foster Bales Van Buskirk** Manasi Neha Vitthanala Alan Shuo Yang Wang Joseph William Wesselman Joshua Breeze Yang Zhiyi Zheng

BACHELOR OF SCIENCE IN INTEGRATED BUSINESS AND ENGINEERING (IBE)

Bioengineering Michael Joseph Pulcini

Chemical Engineering John Klikushin

Computer Science Caleb H. Edelhertz

Economics Samuel Leonard Joffe Helen Claire Tynes

Environmental Engineering Joshua S. Kalada-Kania

Finance

Maytal S. Balaish John Alexander Carr John Joseph Cascio III Evan Adam Chinman Zachary D. Corcoran Gabrielle C. Effendi Nicole Jane ElChaar Jessica A. Franolic Aidan Gales Steven Gerazounis Kairan Gu Ralph Nicolas Haddad James Hanna Ryan Christopher Heaton Melissa Rose Henry Austen Reece Johnson Joseph J. Min Amanda Lauren Morrison Benjamin Phillip Murphy Sheina Patel Scott Hanson Rothstein Jonathan D. Schiltz Rvan W. Schmid Anders Peter Seline

Interdisciplinary Programs

Noah G. Sutherland Alexander Valente Torres Jake Avedissian Tosh Rylie Jean Urbanski Troy Wilford-Hunt Mikhaila Elizabeth Zacharia Shaohan Zhang

Financial Engineering

Nicholas C. Evangeline Michael Shane Jeney Connor J. Sept Sean Michael Stix

Industrial and Systems Engineering Maxwell Cyr Kemper

Marketing Sarah N. Smith

Materials Science and Engineering Julia Suzanne Patridge

Mechanical Engineering

Thomas Martin Bryan Jr. Jae Yong Ju Jake Henry Levin Ryan T. Peterson

Supply Chain Management Mary Anne Grabowski

BACHELOR OF SCIENCE IN INTEGRATED DEGREE IN ENGINEERING, ARTS AND SCIENCES (IDEAS)

Brenton William Carter Hannah Rebecca Clarkson Allison Marie Codi Caitlyn Elizabeth Devine Ariana A. Fantasia-Davis Allison M. Findley Gabriel Cole Finnell Carly Anne Friend Aiden M. Galbraith Adyn Rebekah Gallagher Chloe A. Koehler Nicholas Samuel Kosir Zachary Alexander Laswick Yixuan Vincent Liu Lauren Grace Mannion Melina Georgia Mitsogiorgakis David Evan Molish Gabriella Maria Nori Anne Phi Norris Nicholas C. Owens Vasilij Pavlov Thomas I. Perillo Danielle Marie Picarello John Oliver Prescott Ariel Ranker Eric K. Scott Sarina Hetal Shah Kerry A. Shamnoski Yichen Shen Nora Elizabeth Thomson Julia Victoria Zak

Academic Honors

HIGHEST HONORS

The following students received a GPA of 3.80-4.00

Nora Ann Abbott Sakshi Acharya Amanda Alejo Vaibhav Anand Kelby A. Anderson Justin Reid Angelel Christopher James Aviles Bramer Rani Baidoun Carley A. Barjaktarovich Sydney Erin Belej Dawson James Berger Clayton Maclean Boice Nicholas K. Bowers Nathan Bowler Daniel Francis Brody Skyler Frances Brown Samuel Martin Bupp Brandon I. Buscarnera Lana Butorovic Isabella Nancy Cammisa Abigail M. Capin Carly A. Carpino John Alexander Carr Sophie Barnard Champ Chi Hang Chan Evan Adam Chinman Justin K. Choi Allison Marie Codi Caroline Leigh Coffey Hannah Gillian Coleman Emily Jordan Cooper Kiera Jane Croland Kevin Austin Dambach Michael Ross Delman Hiwot Demelash Emily Patricia Dolan Thomas Paul Dressler Nicole Jane ElChaar Lenni E. Elias Nicholas C. Evangeline Grace A. Fahrney Ryan Michael Ferdinand Clare Fonstein John Francis Forster Abigail Marie Furtmann Adyn Rebekah Gallagher Samantha Ann Gentile Abby R. Goldberg Jordyn Rebecca Goldberg Alexa C. Grill

Matthew J. Gunton Andrew Ha Amanda Nicole Hall Melissa Jane Hertzberg Isabel F. Heslin Ethan J. Hill Brandon Thomas Hocking Matthew Hom Sarrah Hussain Leidy Mary Iglesias Michael Shane Jeney Menglin Jiang Samuel Leonard Joffe Jae Yong Ju Erica Danielle Kagan Philip G Kaufinger Victoria Morgan Kaufman Maxwell Cyr Kemper Peter David Johnson Kennedy David Khayata Andrew Kitson John Klikushin Ellen Eileen Klucznik Devon Jay Kolumber Nicholas Samuel Kosir Lillian Arrott Krahmer Eleanor Elizabeth Rushforth Labay Mariah Allison Langlois Zachary Alexander Laswick Minh Le Misa Leeflang Thomas C. Limoges Cindy Lin Zhen You Lin Xiangzhi Liu Yuxin Liu Mariah Emily Lopez Dan Luo Nicholas J. Major Aidan Finley Mantelmacher Edward Arthur McCarty III Sarah Ann McCusker Shane D. McGorty Ally Eleanor McGrath Teasha McKoy Hetty McMillan Katelyn Rose McNamara Joseph J. Min Emma Mirabelli Iulia Patricia Moran Sara Elizabeth Moran Amanda Lauren Morrison Alyssa M. Murphy Michael Gerard Nardelli

Skylar Brett Nicholas Jacob Campbell Oakman Quentin Di Re O'Brien Karsen Jessie O'Rourke Courtency Parry Lucie Rose Pascarosa Julia Suzanne Patridge Valentine Perevalov Thomas J. Perillo Sophia Rose Poeta Vincent J. Polignano Lauren Nicole Powell Zipu Qiu Ashley E. Rawn Devyn Rose Riddle Carly Melissa Roche Alexis Rose Romeo Ava Cecilia Rosato Benjamin McUsic Rosshirt Riley Jane Sawka Jason Thomas Schanck Dylan Thomas Scheidle Ryan W. Schmid Jack A. Schnall Madison Isabelle Schulte Margot Idalia Schwartz Hunter B. Segal Lindsey Brooke Seroka Lauren Elizabeth Sgro Annabelle Ida Sharenow Yichen Shen Jenna Rose Simon Quinten B. Slyder Adrian Thomas De Vera Suarez Courtney Marie Supp Jack H. Śwenson Maham Tanveer Thuy Anh Tran Lilia Hope Tympanick Helen Claire Tynes Sarah R. Vaknin Jefferson Foster Bales Van Buskirk Joshua Isaac Venick Julio Andres Veracruz Alan Shuo Yang Wang Samuel Henry Ward Zoe M. Wolfenson Zhangzhichun Xu Jiaming Yao Nada Younies Alexander Michael Ziemba Nicholas Elias Zouras

Academic Honors

HIGH HONORS

The following students received a GPÅ of 3.60-3.79 Satoshi Abe Eden R. Abotbool RaShawn Jamal Allen Abdulaziz Abdulrahman Alsalem Nathaniel Robert Alter Shaya Ameri Erica Greer Ashby Emily Patricia Baker Julia Lee Ballentine Abiageal Bridget Barton Michelina Paige Beaumont Michael Allen Beaumont Jr. Lidya Yalew Bekele **Mickias Bekele** Sky Lynn Bela Audrey Elisa Benson Rvan K. Blinn Kara Marguerite Bonner Shannon E. Boyce Sara Alethia Boyd Katherine K. Brady Matthew James Braun Christian Friedrich Brodbeck Drew Isaac Broitman Rachael Victoria Bucci Joshua Michael Buck Soren Johanns Valentin Bugtong **Kyle Patrick Burke** Ryan Joseph Burke Rhys Christopher Busillo Savannah J. Buzzeo Margaret Leigh Callahan Maximiliano Raul Camposano Alexandra Joy Canning Sarah Elizabeth Carman Bridget Elizabeth Casey Qingxuan Chen Zheyan Chen Hyeyun Cho Ji Ho Choi Eirlys Chui Clarissa Lynn Chun Anastasia Michelle Citsay Hannah Rebecca Clarkson Victor Steven Cochrane Cecily M. Coffman Brady S. Coleman Zachary D. Corcoran Zev Cotler Ashley Marie Coyle

Brendamaria A. Cuadra-Arguello Xinyi Cui Anthony William Cusumano Sara MacCalla Davis Kai Amaranth Davison Adam Melkon Debus Madison Paige DeMarchis Michael Christopher DeMasi Penny H. Demetriades Julia Quinn DePillis Eileen Deutelmoser Caitlyn Elizabeth Devine Ben Diflo Ariana A. Dimitrakis Julia Pat Duchossois Boris Augustus Duka Caleb H. Edelhertz Evan Barrett Edelstein Gabrielle C. Effendi Salma Elboute Zachary Peter Elliott Kiera Lynn Englehart Grace Brittany Enriquez Evan Albert Epstein Hannah Fabian Ella Van Sice Fabozzi Christianna Elizabeth Faenza Jacqueline Sally Fales Gabrielle Mara Falk Ariana A. Fantasia-Davis Nicholas Anthony Fantini Theodore C. Faucher Melissa Caitlyn Fedorka Joshua Evan Felgoise Marc Alexander Ferdinandusse Emma Katharine Ference Emma Fernandez Echeverri Allison M. Findley Gabriel Cole Finnell Erica Elizabeth Fischer Gary C. Fishkin Emma Rose Flaherty Jessica A. Franolic Yunlin Fu Aiden M. Galbraith Aidan Gales Jenna Jean Smith Garden Francesca Theresa Garofalo Alyssa Anne Gengaro Omid Ghazizadeh Noah Archibald Gibson Catherine Alexandria Glackin Krisana Goel Falyn Maya Goldstein

Shujin Gong Anna E. Gottfried Allison Lavonia Graham Asa David Greenaway Connor Robert Greene Gabriella Rachel Greisberg Emma N. Grothaus Kairan Gu Justin Matthew Gurth Madison Joyce Hackman Elizabeth M. Haines Bridget Elizabeth Hall Jiaqi Han Joseph E. Hana Monisha A. Hanagal Savanna Hang Luke Hanna Kaya Harper Kristen Brittany Hayes Ryan Christopher Heaton Melissa Rose Henry Michael James Hill Shelby Olivia Hinchman McKenzie Figliolini Vivi N. Hoang Kyra Joan Hollenbach Evan Adrian Huaman Ava Lauren Hudson Natasha Katharine Hunt Andrew Jacob Isaacson Alexis Jose Javier Peter J. Jensen Han Jiang Kelsey Marie Johnson Elijah S. Jones Kira Rose Kaehler Andrew Louis Kam Amanda Kirsten Karr Erin Diane Keefe James John Kellerk III Sophie Jae Kellner Deirdre Donovan Kelshaw Julia Claire Kemp Violet Blue Kertis Chae Eun Kim Allison Carlisle Kirkpatrick Chloe A. Koehler Lingtao Kong Yan-Ru Lai Maria Mae Lancia Alissa Renee Moriguchi Landberg Robert Lanni Kevin S. Laudano Vincent S. Lazzaris

Jason Edward Lee Colin James Lerner Chuchu Li Brandon S. Lima Jie Lin Olivia LiPuma Daolong Liu Xinhao Liu Sarah Anne Loher Peter Tymish Luba Sage Moon Lucas Megan Lundmark Holly Loren Quinn Macdonald Maximillian Karl Machado Nacoya Faye Madden Matthew Kremer Mahoney Ariana Malik Jared S. Man Rabeea M. Mansi Katelyn A. Marina Elora Marvasi Brianna Elizabeth Maslonka Kayla Donelle McMillan Julia Menziuso Veronica R. Meyer Anna M. Milavec Kelsey Miley Haley Elizabeth Miller Luca Peter Milletti Mericel Mirabal Kayla Jean Miranda Melina Georgia Mitsogiorgakis Michalina Modzelewska Joseph M. Musolino Sarah Grace Mutchek Elena A. Myalo Caroline Patricia Nagy Olivia Rose Negri Frederick Eli Newlin Khue Minh Nguyen Sophia L. Noble Henry Frazier Nordahl Jake Herbert Noss Danielle Nussbaum Rachel Sierra Oppenheimer Isabella V. Papov Leah Michelle Pasch Lauren Pendleton Thomas Vincent Perone Margaux Nicole Petruska Sydney Anne Powell Kendall Rita Prime Xinru Qin Megan Riley Quigley

Felix Manuel Quintana Owen Power Rahr Swetha Ramesh Jessica Raytsin Jordan Z. Resnic Indiana Janine Rich Matthew John Riel **Ouinn Erik Robertson** Grace N. Rogowski Buckley R. Ross Veronica Anna Rostkowski Amanda S. Rubin Sophia Marie Salomoni Samuel P. Sausville Jonathan D. Schiltz Allyssa Ann Schnell Christian James Schulte Sydney Rose Sciascia Sheridan E. Scott Emma Kate Seguljic Anders Peter Seline Max E. Serventi Sarina Hetal Shah Kerry A. Shamnoski Andrew Thomas Shedleski Sana Tariq Sheikh Simona Esther Shur Hannah Rose Siesel Matthew Sikorski Berry Pan Situ Anna Sivinski Ian Sloane Ethan Chandler Smith Brian T. Snyder FangMing Song Lily Spitalny Dylan Edward Staniszewski Sydney Shea Staples Sebastian Steel John Nolan Steitz Madison Casondra Stewart Eric T. Stieber Logan M. Stormont Jeremy William Strungis Bradley Drew Susskind Noah G. Sutherland Hannah Tan Lili Tang Emily Jessica Tasik Andrew Charles Taulane Selinee Tejada Morillo Aimee Teplitskiy Anna Kisĥida Thomas Nora Elizabeth Thomson

Jake Avedissian Tosh Sarah Elaine Valenti Claire Miriam van Burken Ashley A. Veliz Michael Venezia Paige May Verroca Grace Maria Vigorito Christina Mae Wagenseller Megan M. Walker Natalie Hong Yue Walsh Graham Wandless Kenneth E. Warman IV Mia Nian Xue Waters Lena Frances Weisman Joseph William Wesselman Nicholas Archer Wilson Kaiwen Wu Yingxin Xie Xin Ling Xu Ziyi Xuan Brooke M. Yacubeck Joshua Breeze Yang Julia Victoria Zak Benjamin John Zalatan Rachel Elizabeth Zale Jamie Elizabeth Zamrin . Ounzhi Zhang Shaohan Zhang Yifan Zhang Runjie Zhao Haoyuan Zheng Jiageng Zheng Brian Li Zhu

HONORS

The following students received a GPA of 3.40-3.59

Samuel Michael Jeffrey Agro Jacqueline Alongi Sarah Philomena Alvi Henry W. Anderson Gina Catherine Angelo Bachana Billy Bachiashvili Maytal S. Balaish Alex Spencer Bargetzi Maggie Nell Barr Kyle N. Batchelor Evelyn Guadalupe Batres Mackenzie Harken Baxter Tucker Adison Bayda Grayson B. Begier Caroline Catherine Bender Isidoro Anderson Bento

Academic Honors

Olivia Rose Bergstein Devin Murray Bernstein Catherine Bird Kate Alexa Blum Adam A. Bowers Kanea M. Brooks Alaina Elizabeth Brotman **Quinnlyn C. Burger** Benjamin Isaac Burkhart Gabriel J. Cagnazzi Honora Mary Campbell John Joseph Cascio III Anna Clare Cassidy Michael A. Castro Alexa Rose Char Zeping Chen Chang Hyeon Choi Tasnim Chowdhury Noah Andrew Christie Chase D. Clapp Matthew Clarke Courtney Anne Clarkin Veronica Sofia Collins Natalie Elizabeth Condon Rachel A. Condon Sydney M. Conway Zachary Ryan Cotter John Patrick Curtis Melissa Raine D'Alessio David Dang Carolyn Miu David Santiago Delgado Zehong Deng Tal Derei Erin N. Dillon Tracie Bettina Dinh Carly Discolo Jakob Moore Donoghue Joseph Dotta Margaret Katherine Ducey Alexis Michael Ennis Harrison Peter von Rinteln Ernst Xiang Fan Zedrek Farrell **Dmitry Gregory Fav** Maxwell Gardner Fern Liam Francis Fischback Evan Morris Fisher Nora Jeanne Fitzmaurice Helen Rua Flynn Griffin A. Fox Amaya Rose Foy Adam M. Freeman

Aidan W. Frick Carly Anne Friend Steven E. Frost Iessica M. Galarza Alivia Marie Gallo Peter A. Gardner Kate Ryan Glasser Anna Á. Goldberg Hailey S. Goldschmidt Giovanna Goncalves Zamora Joseph Mario Gorla III Hannah Rae Gotwalt Adam Louis Graff Iacob Graham Scott T. Grenestedt **Emily Rose Grills** Holly Guinan Jing Guo David Gutekunst Iames Hanna Mackenzie Lynn Hawes Muyuan He Kelly Taylor Heaphy Rowan William Heffernan Andrew A. Hernandez Eliza Rogan Higgins Sarah Horne Yue Hu John Huang Surui Huang Yamelin F. Jaquez Estevez Victoria Francis Jepson Dave Raj Iha Austen Reece Johnson Vaafoulav Sulaiman Kanneh Jared D. Keim Andrew Raymond Kelly Brandon Eric Kelly Patrick M. Kelly Heather Rose Keyser Wasti Farzan Khan Isabella Nicole King Amanda Jordyn Klansky Caroline Elaina Klebanoff Wesley Jackson Klinvex Lingyang Kong Katherine Anne Koval Emmaline S. Kremsky Joshua Parrish Krinsky Kenny Kwock Martin Labib Samantha M. LaCoff James O'Mara Lamphier

Rebecca Emily Landau Michael Lazzaro Ronan Patrick Leahy Jennifer Jenny Lee Zewei Lei Hannah Emily Leland Luke Michael Lenny Bryan E. Levy Junvue Li Megan Lindle Jack Henry Liss Bryan Yulong Lu Zachary W. Lubart KaiDa Ma Andrew Paul MacCausland Zoë Katarina Madsen Mollie J. Maggiacomo Lauren Grace Mannion Travis John Martinez Katherine Seavey Matthews Alisha Rose McDonnell Emma McGillis Kevin Robert McMahon Annie Deirdre McNally Mannan Prabhat Mehta Sameer R. Merchant Benjamin Alexander Metz Meghna Mishra Sahil V. Modi David Evan Molish Natalia Rose Montero Ethan Miles Moscot Christine Marie Mosley Christopher L. Munoz Meghan Meredith Murphy Seho Myung Rafi Q. Naber Samantha Fu Nason Emma Shea Neary Olivia Lahti Newman Anne Phi Norris Christian Steven Oberst Hernandez Kendall Catherine O'Farrell Elizabeth Mary Olszewski Olivia Helen Östrowski Nicholas C. Owens Thomas Guy Paglinco Matthew Moriarty Parisi Rebecca Louise Patterson Andrea Gianna Pecora Jenna Marie Perricelli Rvan T. Peterson Danielle Marie Picarello

Mia Lynn Poley Michael L. Port Andrew A. Principato Carter M. Prokesch Yueying Qiu Janice Louise Rapp Kathryn M. Rice Quinton Shane Fitzgerald Ritchie Calvin John Rivera Zeist Rizvi Alex Edward Rodrigues Scott Hanson Rothstein Christy Roush Jenna Kathryn Roy Avi Kenneth Runge Lily Elizabeth Salcedo Maria L. Saldutti Connor Daniel Salerno **Benjamin Santos** William Thomas Schelling Carter Schmalzle Gia Nichole Schweitzer Henry J. Selingo Martina Joelynn Sell Connor J. Sept Graham S. Shanno Erick M. Siguenza Kate Halley Silverman Daniela Elizabeth Slepak Claudia Danielle Small Anna Sophia Adelle Smith Michael S. Smith Jr. Harrison Tyler Sneddon Mia Kathryn Sonberg Jamie Jieun Song Emily Elizabeth Spadaccino Matthew Peter Stamford Sean Michael Stix Jacqueline Brooke Stoller Kenneth Capello Straw Belle Sarah Millicent Sullivan Alyssa Michele Tabershaw John Baptiste Taulane IV Emily Taylor Owen Robert Thomas Megan Victoria Tomalis John Francis Trevisan **Eloise Anne Trout** Julian Tsang Evan R. Umstead Olivia Rose Valenta Rebecca Elizabeth Van Siclen

John Brian Verity Thomas Jordan VonDerVellen Malik Sammy Wahidy Yuzhe Wang Yihao Wang Yu Fei Wang Sydney H. Weber Hadley J. Webster Sarah Ronsdal Wecht Troy Wilford-Hunt Lily Anne Wojciechowski Cameron John Wood James Damy Wood Jordan Michael Wood Haley Elizabeth Yahraus Linxi (Poplar) Yang Shenyi Yu Ryan Zarrinmakan Álan Eduardo Zarza Haoyang Zhang Lingyi Zhang Ziyang Zhang Zhiyi Zheng

Honor Societies

Beta Gamma Sigma

Beta Gamma Sigma is the only national honor society serving business programs recognized by the Association to Advance Collegiate Schools of Business (AACSB) International. Election to membership in Beta Gamma Sigma is the highest scholastic honor that a business student anywhere in the world can receive in a business program accredited by AACSB International. Graduating members are entitled to wear honor cords in royal blue and gold.

Undergraduate

Lucas Achman Amelia Baffuto **Trevor Ballingall** Sarah Bastian Tobey Bill Samuel Cahill Stephanie Callahan Abigail Capin Maia Drugmand Katrina Fett Dara Fitteron Marilyn Gao Asher Hamrick Frannie Hottinger Aidan Mantelmacher Sean McKenna Mason Mosack Andrew Mottram Francesca Orsini Alexander Perlman Alexa Riso William Rothpletz Juan Carlos Santamaria Leila Schneider Kylie Seyler Jenna Simon Gabe Stern Linh Thai Quang Tran Olivia Wood Lauren Workosky

Graduate

Kerem Araci **James Bollman** Krzysztof Burek Robert Paul Campanella Adam Devins Mohammad Etemadrezaei Eli I. Fraerman Sarrah Hussain Eric B. Jones William Karr Georges Katerji Karch A. Klos Matthew A. Leddy Gerickson J. Lopez Madaline Minor Matthew Joseph Morana Mary Palmer Darsh Patel Dillon Lee Perez Dahee Seminara Brendon Stone Kaylyn F. Swartz KC Wanamaker Shannon Yeakel Fan Zhang

Phi Beta Kappa

Phi Beta Kappa, the oldest national honor society (founded in 1776), recognizes high academic achievement in the liberal arts and sciences. The Lehigh chapter was chartered in 1887. Graduating members are entitled to wear honor cords in pink and blue.

Kelby Anderson Clayton Boice Nicholas Kevin Bowers Eirlys Chui Caroline Leigh Coffey Declan Coster Grace Fahrney Abby Rose Goldberg Manyi Guo Amanda Hall Marissa Hastings Ethan Hill Maxwell Kemper Chloe Armstrong Koehler Yuxin Liu Mariah Emily Lopez Sarah Ann McCusker Hetty McMillan Mason Mosack Sofia Ava Mottola Thomas J. Perillo Anna Camille Peris Devyn Riddle Ava Cecilia Rosato Riley Jane Sawka Lindsey Brooke Seroka Simona Esther Shur Nora Elizabeth Thomson Zoe Meyer Wolfenson

Phi Sigma Tau

Phi Sigma Tau, the international honor society in philosophy, was founded in 1930 with the purpose of developing and honoring academic excellence and interest in philosophy and of promoting interest in philosophy in the general collegiate public. The Lehigh Alpha Beta chapter was chartered in 2013. The society awards membership to students who have attained its standards of high academic achievement and who manifest a commitment to philosophy in the highest degree. Graduating members are entitled to wear honor cords in purple and white.

Casey Barjaktarovich Veronica Collins Griffin Fox Sophie Kellner Skylar Nicholas

Psi Chi

Psi Chi is an international honor society with the purpose of recognizing and promoting excellence in the science and application of psychology. The Lehigh University chapter was founded in 1955.

Raihan Alam William Bahlke Chun Clarissa Cline Grace **Emily Cooper** Brendamaria Cuadra-Arguello Bella D'Angelo Caroline Danner Dylan Dansky Kai Davison Emma Flinchbaugh Jacqueline Giordano Allison Graham Alberto Guinand Caitlin Elizabeth Haas Amanda Klansky Sophie Leighton Ryan Loftus Khue Nguyen Devvn Riddle Madison Schulte Alyssa Schwartz Emma Seguljic Giavanna Semiao Mava Valenzano Sara Weisman Sydney Williges Cameron Wylie Zhangzhichun Xu Xindi Zhang

Tau Beta Pi

The Tau Beta Pi association was founded more than 125 years ago at Lehigh University by Edward H. Williams, Jr., professor of mining and geology, to recognize distinguished scholarship and exemplary character among students of engineering. Williams Hall is named in honor of Professor Williams. Graduating members are entitled to wear a white scarf with an orange Tau Beta Pi logo.

Shahood Ahmad Nicolas Altenderfer Vaibhav Anand Kelby Anderson Rani Baidoun Jess Barry Tobey Bill Clay Boice Owen Brown Phoebe Burtt Daniel Cahill Alexander Carr Ching-Duan Chiu Kenneth Cho Declan Coster Adam Debus Michael Delman Michael DeMasi Nicole ElChaar **Ryan** Ferdinand Jake Fleischer Stephen Gee Kevin Gu Matthew Gunton Andrew Ha Iacob Herman Ethan Hill Lauryn Holgado Natasha Hunt Sam Joffe Max Kemper Andrew Kitson Iohn Klikushin Devon Kolumber Nicolas Kozachuk Yukang Kuang

Eric Lai Gabrielle Layne Karen Li Dan Lindenmuth Zacharv Loh Maximillian Machado Mary Mahoney Ed McCarty Sean McLaffertv Emma Mirabelli Aidan Moretz Amanda Morrison Mason Mosack Philip Napoli Kwadwo Ohemeng Alex Park JiSoo Park Wesley Patel Michael Peralta Alex Perlman Matthew Piriya Henry Price Sarah Scarnavack Dylan Scheidle Ryan Schmid Ben Schwartz Lindsev Seroka Jingming Shi Jenna Simon Alexis Soulias Andrew Sukach David Tauman Jacob Thompson Quang Tran Helen Tynes Sarah Vaknin Christopher Vella Samuel Ward Sydney Waterman Matthew West Eva Wolfe Kirk Yap Jae Yong Yifan Zhang

Departmental Honors

Art, Architecture, and Design

Erica Elizabeth Fischer Erica Danielle Kagan Mariah Allison Langlois Minh Le Hannah Rose Siesel Mia Nian Xue Waters

Asian Studies

Misa Leeflang

Astrophysics

Christopher James Aviles Bramer Andrew Thomas Shedleski

Biological Sciences

Bachana Billy Bachiashvili Penny H. Demetriades Thomas Paul Dressler Kevin Anthony Fuentes Kaya Harper Isabella V. Papov

Chemistry

Jing Guo Yue Hu David Khayata Brianna Elizabeth Maslonka

Cognitive Science

Brendamaria A. Cuadra-Arguello Julia Pat Duchossois Falyn Maya Goldstein Alissa Renee Moriguchi Landberg

Earth and Environmental Sciences

Alyssa Anne Gengaro Karsen Jessie O'Rourke

English

Eirlys Chui Violet Blue Kertis

History Lena Frances Weisman

Journalism and Communication

Lenni E. Elias Peter A. Gardner Leidy Mary Iglesias

Music

Nicholas K. Bowers Jocelyn Miranda Buchheister Kai Amaranth Davison Philip G. Kaufinger Peter David Johnson Kennedy Devon Jay Kolumber Megan Lindle

Physics

Sky Lynn Bela Winter Grace Goodman Sarah Ann McCusker

Political Science

Isidoro Anderson Bento Julia Menziuso Skylar Brett Nicholas Alyssa Michele Tabershaw

Psychology

Clarissa Lynn Chun Courteney Parry Devyn Rose Riddle Madison Isabelle Schulte Zhangzhichun Xu

Sociology and Anthropology

Amaya Rose Foy Jessica M. Galarza

Theatre

Daniel Francis Brody

Eckhardt Scholars

Emily Patricia Baker Nicholas K. Bowers Daniel Francis Brody Hiwot Demelash Eva M. Ehrich Grace Brittany Enriquez Sophie Jae Kellner Lucy Joseph Kwiatek Zhen You Lin Megan Lindle Nacova Fave Madden Sara Elizabeth Moran Olivia Rose Negri Khue Minh Nguyen Benjamin McUsic Rosshirt **Benjamin Santos** Annabelle Ida Sharenow Adrian Thomas De Vera Suarez

Martindale Scholars

Sakshi Acharya Nathaniel R. Alter Lidya Yalew Bekele John A. Carr Clare Fonstein Griffin A. Fox Jessica A. Franolic Melissa J. Hertzberg Michael G. Nardelli Thomas J. Perillo Adrian Thomas D Suarez Helen C. Tynes

American Chemical Society Award

To an outstanding senior in chemistry or chemical engineering

Nicholas Bower Eva Wolfe

American Chemical Society Inorganic Chemistry Award

To a top graduating senior student majoring in either chemistry or biochemistry who has demonstrated excellence in inorganic chemistry and who displays a significant aptitude for inorganic chemistry and to further interest in the field

Helen Flynn

American Chemical Society Organic Chemistry Award

To a top graduating senior student majoring in either chemistry or biochemistry who has demonstrated excellence in organic chemistry based on a combination of research experience, coursework, and a desire to pursue a career in chemistry

Nicholas Bower

American Chemical Society Physical Chemistry Award

To an outstanding senior who has demonstrated excellence in physical chemistry and is committed to a career in chemistry

Kiera Englehart

American Institute of Chemists Award

To the outstanding senior majoring in chemistry, chemical engineering, or biochemistry

> Yunlin Fu Wes Patel

American Society of Civil Engineers Prize

To an outstanding senior in civil engineering

Tucker Bayda

Association of Certified Fraud Examiners Award

To a student with academic excellence in accounting with high morals

Duy Nguyen

Richard Hay Barkalow Award

Presented to an outstanding graduate student for scholarship and service

Benjamin Davis

Ferdinand P. Beer Award

To an outstanding senior who has shown excellence in mechanics

Zehao You

David A. Begelman Endowed Prize in the Department of Management

To a senior in the department of management who is in good academic standing, exhibits a strong work ethic, is intellectually curious, and embraces life with enthusiasm

Salma Elboute

Bethlehem Fabricators Award

To a junior who has shown the most improvement in academic achievement over the sophomore and junior years

Philip Kaufinger

Binkley Prize

To the top-ranking senior in the university majoring in physics as a gift in memory of E. Raymond Binkley MS 1931

> Hannah Marie Clark Dylan Elijah Morschl-Villa

Biochemistry Award

Awarded to the highest-ranking junior or senior biochemistry major

Thomas Dressler

Robert W. Blake Memorial Award

To the freshman who has completed one year of studies in the College of Arts and Sciences and is recommended by the college faculty as most outstanding in high scholastic achievement and in promise of leadership

Julia Klayman

Nelson Leighton Bond Memorial Prize

To an outstanding sophomore on the basis of character, leadership, and scholastic achievement, but not financial need, in the College of Business

> Tobey E. Bill Maia Ruo Ling Drugmand Katrina Susanne Fett Rose Frances Hottinger JC Santamaria Kylie Seyler Linh Thai Ben Wainfan

Donald T. Campbell Social Science Research Prizes

Awarded for social science papers of high quality, methodological originality, and societal significance as embodied in the work of Dr. Campbell, university professor emeritus

> Hiwot Demelash Lena Weisman

John B. Carson Prize

To the senior civil engineer showing most marked excellence in professional courses

Alexis Javier

William H. Chandler Chemistry Prize

To the highest-ranking student in each class in chemistry or chemical engineering

> Nolan Cremi Kiera Croland Isabella Guet-Cruza Jueun Han Gabriel Masso Jacob Thompson

John C. Chen Chemical Engineering Endowed Prize

To a full-time student who has demonstrated academic capability and effective leadership in chemical engineering

> John Klikushin Megan Walker

Class of 1904 Scholarship Award

To an outstanding member of the junior class on the basis of character, scholarship, qualifications indicating promise of future leadership, and extracurricular activities

> Raihan Alam Emily Cimino Steven Escobar-Mendez Morgan Heller Frances Hottinger Leeza Khalif Tygee Leach Jacob Martinez Marina Mendez Legarra Deeksha Mikkilineni Jennifer Ocampo-Castaneda Anna Piecuch Evan Taylor Sabrina Trabish Dannah VanPraagh

College of Arts and Sciences Dean's Dissertation Award

Awarded for an outstanding doctoral dissertation in the College of Arts and Sciences

Jessica Vander Heide

Computer Science and Engineering Systems Award

This award is given to a graduating senior who has demonstrated excellence, enthusiasm, and commitment in research and coursework related to designing and implementing system software, including but not limited to parallel, concurrent and distributed computing, database systems, heterogeneous computing, system security, and networking.

Nicole ElChaar

George P. Conard, II Award

Presented to an outstanding graduate student for research

Joshua Smeltzer

Cornelius Prize

To the senior student in mechanical engineering who is judged to have profited most by his or her opportunities at Lehigh University

Abiola A. Oladipo

Alpha A. Diefenderfer Award

To the highest-ranking student in analytical chemistry

Alexandra Pellett

Dreyfus Portfolio Award

For outstanding contribution to a student-run investment portfolio

Max Kemper

Aurie N. Dunlap Prize

To an outstanding senior majoring in international relations

Marissa Hastings Vinny Polignano

Philip Francis du Pont Memorial Prize in Electrical Engineering

To the two highest-ranking seniors in electrical engineering

RaShawn J. Allen Jeremy W. Strungis

Eta Kappa Nu Prize

To the highest ranking freshman in electrical and computer engineering

Isaac S. Levine

Joseph C. Gabuzda, Jr. Memorial Award

To a member of the junior class in electrical engineering showing outstanding promise intellectually and in leadership qualities

> Declan Coster Yukang Kuang Kwadwo Ohemeng Chloe Wilcox

German Prize

To seniors who are excellent in the German language and literature and who have performed outstanding service (as president, secretary, or treasurer) to the German House

Harrison Ernst

Malcolm J. Gordon, Jr., Physics Prize

To the top-ranking sophomore majoring in physics with some extracurricular activity

Cameron MacMahon

Samuel L. Gulden Memorial Award

Awarded by vote of the CSE faculty to a senior who has demonstrated outstanding achievement in the study of algorithms and/or theoretical computer science

Jefferson Van Buskirk

Handwerk Prize

Awarded to a graduating senior for outstanding achievement in the fields of chemistry, materials science and engineering, or earth and environmental sciences

> Alyssa Gengaro Julia Patridge

Bill Hardy Memorial Prize

The prize is awarded to a junior who most nearly reflects the qualities that typified Bill Hardy while he attended Lehigh University. The award is based upon financial need, character and personality, scholastic achievement, and leadership qualities.

Declan Coster

The Harmer Prize

To an undergraduate student in the materials science and engineering department who promotes good citizenship with the school and community

Savannah Buzzeo

George D. Harmon Memorial Award

To an outstanding senior in the history department who has the highest GPA in history courses and has a 3.0 GPA overall

> Andrew Taulane Lena Weisman

Health, Medicine and Society Student Achievement Award

To a graduating senior who minored in health, medicine, and society; demonstrated academic excellence; and made a significant contribution to HMS by expanding knowledge, doing research, or working with communities on campus, locally, or globally

> Hiwot Demelash Sara Moran Madison Schulte

Joseph C. Hendrzak Memorial Award

Awarded to the outstanding senior Army ROTC cadet in military science who evidenced leadership ability during the school year

Aidan Frick

Donnel Foster Hewett Award

To a senior in earth and environmental sciences who has demonstrated the greatest potential for a professional career in the earth sciences

Karsen O'Rourke

Robert C. Hicks Prize

To a student or students who rank academically among the top four in chemical engineering at the end of their sophomore or junior year

> Joelle Chehade Lauryn Holgado

Donald J. Hillman Memorial Award

To a senior who demonstrates outstanding achievement in the study of artificial intelligence and/or intelligent systems

Samuel Joffe

Theodore U. Horger '61 Visual and Performing Arts Scholarship

This award recognizes dedication and excellence in the visual and performing arts.

> Jack Catlett Nessie Houck Juliana Kilgore

Harold J. Horn Prize

To the highest-ranking juniors in electrical engineering

Declan M. Coster Kwadwo K. Ohemeng

C.C. Hsiung Award

To a graduating senior who demonstrates outstanding scholarship in mathematics

Peter D. Kennedy

Institute of Internal Auditors Senior Award

To an outstanding senior who is interested in auditing and has a high scholastic standing and qualities of leadership

Emily Dolan

Thomas E. Jackson Award

Given to the senior mechanical engineering student who has made the greatest contribution to the development and/or use of the Thomas E. Jackson Engine Testing Laboratory

Edward A. McCarty III

Richard H. Johnson Economics Prize

To a graduating senior majoring in economics with outstanding achievement in the study of economics

Samuel Joffe

Carey B. Joynt International Relations Leadership Award

Awarded by vote of the international relations faculty to the senior international relations major for outstanding academic performance, contribution to the life of the department, or both

Jordyn Goldberg

The Robin B. and Allan B. Kachel '71 Awards in Writing

Awarded to students in the categories of news reporting, feature writing, editorial writing, sports writing, fiction, and non-fiction

> Alana Bonfiglio Peter Gardner Sharon Jo Simona Shur

Kahn Memorial Award

To a senior outstanding in materials science and engineering

Julia Patridge

Karakash Prize

To a graduating student in electrical or computer engineering based on scholarship and evidences of professional leadership

Christian Schulte

Lt. General Fred Kornet, Jr. Award

To a graduating senior in military science whose academic performance and AFROTC achievement indicate the greatest potential for sustained professional excellence in a military career

Elias Pessiki

George B. Lemmon Prize

This prize is awarded to a graduating Eckardt Scholar in recognition of outstanding academic performance during his or her undergraduate Lehigh career. This award is subject to the recommendation of the thesis advisor and/or the chairperson in the major field.

> Nick Bowers Daniel Brody Megan Lindle Annabelle Sharenow

Le-wu Lu Memorial Prize

This prize recognizes exceptional academic work by a graduating senior. It is given to individuals who have enhanced the visibility of the department, who have given their time and energy to the department efforts, humanitarian efforts, and / or leadership in professional organizations.

> Nora Abbott Sakshi Acharya

Marketing Commendation Awards for Class Project/Paper

Awarded to a project team which has demonstrated outstanding performance in a class

> Michael Barrera Abbey Capin Caroline Coffey Erin Cotter Katrina Fett Benjina Laurent Tygee Leach Jack Lee Mason Mosack Rebecca Patterson Beatrice Pinetti Samantha Powers Cherry Qin Caitlyn Wagner

Mathematics Faculty Award

To an outstanding junior majoring in mathematics or statistics

Joshua Isaac Venick

Robert H. Mills Outstanding Accounting Major Award

Given to a senior accounting major who excels in both academics and extracurricular activities

Patrick Kelly

J. Robert Munford Award

To an earth and environmental sciences senior who has shown the greatest improvement in overall performance over four years

Christine Mosley

Elizabeth Major Nevius Award

To individuals who have entered their fifth year of work at Lehigh, whether it be a second undergraduate degree or graduate degree, on the basis of leadership, citizenship, and scholarship

> Michael Boyko Richard Casey Robert DiLello Rachel Gingrich Grant Kim Natalie Levine Yikun Li Alexandra Meisse Madaline Minor Ada Patterson Joshua Rashbaum Princess Scott Alexander Skrapits Emily Walczyk Yuxuan Wang

Patti Ota Women, Gender, and Sexuality Studies Award

To a graduating senior who, during her or his undergraduate years, has pursued a course of study that included women's studies issues and who has contributed to efforts to improve the atmosphere and campus climate for women's studies and/or to improve conditions for women in the community

Sky Bela

The Deborah Pearsall Prize

Awarded annually to the female undergraduate student who best exemplifies the attributes that Deborah Pearsall '12 embodied throughout her life: engaged leadership; an inexhaustible optimistic attitude about challenges and opportunities; a "can do" spirit combined with action, integrity, courage, honesty, fairness, advocacy, and enthusiasm; and a commitment to "do the right thing" regardless of whether it is the popular choice

> Violet Kertis Martina Sell

Pennsylvania Institute of Certified Public Accountants Senior Prize

To a senior in the College of Business majoring in accounting who is outstanding in academic achievement and leadership

Grace Rogowski

Phi Sigma Kappa Scholarship Cup

To the fraternity or sorority having the highest scholastic average for the preceding year

Alpha Gamma Delta

Philadelphia Philanthropic Society for Information Management Foundation Scholarship

Presented to a student who is a high-performance junior

Linh Thai

Leonard P. Pool Memorial Prize

To rising juniors and seniors interested in a career in the business community who have exhibited those entrepreneurial talents which so typified the life and career of Mr. Pool

> Asgar Ali Keagan Casey

Allen S. Quier Prize

To the senior adjudged by the staff of materials science and engineering to have made the most progress in that curriculum

> Julia Patridge Austin Pisani

The Richard Redd Award

To a senior from the department of art, architecture, and design for outstanding performance in the classroom and studio in the department major course of study and for significant contributions to the culture of the department

> Teasha McKoy Ryan Saks

Bosey Reiter Leadership Cup

To a graduating senior whose leadership contributes primarily to the best interests of the university

Carley Barjaktarovich

Robert Ridgeway Senior Cup

To the senior in the P.C. Rossin College of Engineering and Applied Science with the highest cumulative average

> Nora A. Abbott Kelby A. Anderson

Eli Schwartz Undergraduate Research Prize in Economics

Awarded each year to a student who has written an outstanding research paper in economics

> Michael Castro Ben Wainfan

The Oles M. Smolansky Award for Academic Excellence in International Relations

Judged by the faculty of the international relations department, the award is presented annually to a graduating senior who has achieved an outstanding academic record. It was established in 2011 to honor Oles M. Smolansky, university professor emeritus of international relations.

Hiwot Demelash

The Society of Information Management Future Leader Award

Recognizes both the accomplishments of the student in their academic life and the potential for leadership in the information systems field

Noah Gibson

John S. Steckbeck Memorial Award

To the senior Army ROTC cadet who best exemplifies the school spirit of John Steckbeck

Aidan Frick

Alan Stenning Award

To a senior mechanical engineer or mechanics student for excellence in an undergraduate engineering project

Benjamin E. Kramer

Bradley Stoughton Student Award

Given to an outstanding senior in the materials science and engineering department

Stout Dissertation Award

Awarded to a doctoral student in each of the four colleges to recognize significant scholarly achievement in a dissertation project

> Nicholas Russoniello -College of Arts and Sciences Pei-chuan Ho -College of Business Damian Wyman -College of Education Baoyu Zhou -P.C. Rossin College of Engineering and Applied Science

Supply Chain Management Junior Scholar Award

Presented to the student who has the highest cumulative GPA for a supply chain major in the junior class

David Hinkle

Supply Chain Management Professor Award

Presented to the student who exemplifies and is a professional ambassador of the SCM program at Lehigh University

Isabelle di Ruscio

Supply Chain Management Senior Scholar Award

Presented to the student who has the highest cumulative GPA for a supply chain major in the senior class

Shane McGorty

Tau Beta Pi Prize

To the engineering sophomore having the highest scholastic average

David J. Li

Geraldo Vasconcellos Thompson International Award

To students finishing their final year with portfolios and have shown exemplary work and leadership in the management of the portfolios

Seho Myung

Thornburg Mathematics Prize

To the senior with the most outstanding record in an advanced mathematics course

Kenny Wen Chieh Kwok

Trustees Scholarship Cup

To the living group having the highest scholastic average for the preceding year

Warren Square E

Harry M. Ullmann Chemistry Prize

To the highest-ranking seniors in chemistry and chemical engineering

Kelby Anderson Alyssa Murphy

University Service Award

To the senior who has been adjudged to have contributed most during his or her career at Lehigh to promote student body unity, campus cooperation for worthy objectives, and loyalty to the alma mater

> Dominique Ocampo Michael Tahiru Nande Trant

John R. Wagner Award

To the junior student in mechanical engineering whose scholastic record is the highest in his or her class in the freshman and sophomore years and whose character and life purposes are deemed deserving and worthy

> Luke Broderser Kylie S. Frew

H.R. & Y.B. Wei Prize

To an undergraduate junior student in mechanical engineering and mechanics in recognition of his or her academic achievements and demonstrated leadership qualities

> Nathan Bowler Philip G. Kaufinger

William Whigham, Jr. Memorial Prize

To the highest-ranking freshman in engineering based on high cumulative average in the first two semesters

David J. Li

Elisha P. Wilbur Mathematics Prize

To the highest-ranking freshmen engineers in mathematics

Kylie Shae Frew Sophia Martino Kirk Wilson Yap

Elisha P. Wilbur Scholarship Prize

To the sophomore with the best semester average for the sophomore year

Fiona Mensching Ben Murphy-Schmehl Xavier Piccone

Williams Writing and Performance Awards

Creative Writing RaShawn Allen Julia Aloi Bonor Ayambem Eirlys Chui Junmoke James Violet Kertis Dylan Loiacono Kaitlin Mauriello Julia Patridge Janice Rapp Abigail Trainor

Design Portfolio Emma Satin

English Composition by Seniors Eirlys Chui Ryan Loftus

English Composition by Juniors Eirlys Chui Margaux Shearer Catherine Spellman

English Composition by Sophomores Julia Aloi Junmoke James Lily MacLean English Composition by Students in the First-Year Writing Program Brynna Morris Meredith Purcell Josh Tripoli

English Composition by First-Year Students Not in the First-Year Writing Program Julia Aloi Theodora Chacharone Abigail Trainor

Internship or Practicum Portfolio Jordan Wolman

Journalism and Communication Bonor Ayambem Isabella Cammisa Lenni Elias Chrissie Faenza Gabi Falk Sharon Jo Rachel Krevans Francis Mack Emma Satin Nora Thomson Jordan Wolman

Multimedia Project

Bonor Ayambem Gabi Falk Emma Satin Jordan Wolman

Photography Portfolio

Emma Satin Nora Thomson **Research Paper** Lenni Elias Francis Mack Jordan Wolman

Video Sharon Jo Frances Mack

Theodore B. Wood Prize

To the mechanical engineering student who has made the greatest scholastic improvement during the first two years of the college career

EJ Rimerman



Lehigh University is first and foremost an educational institution, committed to **developing the future leaders of our changing global society.** Every member of our community has a personal responsibility to acknowledge and practice the following basic principles:

> We **affirm the inherent dignity** in all of us, and we maintain an inclusive and equitable community.

We recognize and celebrate the richness contributed to our lives by our diverse community.

We promote mutual understanding among the members of our community.

We **confront and reject discrimination in all its forms,** including that based on age, color, disability, gender identity, genetic information, marital status, national or ethnic origin, political beliefs, race, religion, sex, sexual orientation, socio-economics, veteran status, or any differences that have been excuses for misunderstanding, dissension, or hatred.

We **affirm academic freedom** within our community and uphold our commitment to the highest standards of **respect**, **civility**, **courtesy**, **and sensitivity** toward every individual.

We **recognize each person's right to think and speak** as dictated by personal belief and to **respectfully** disagree with or counter another's point of view.

We promote open expression of our individuality and our differences within the bounds of **University policies**.

We **acknowledge each person's obligation to the community** of which we have chosen to be a part.

We take **pride** in building and maintaining a culture that is founded on these **principles of unity and respect.**



