## INDIANA UNIVERSITY BLOOMINGTON ONE HUNDRED NINETY-FOURTH COMMENCEMENT



FRIDAY, DECEMBER 15, 2023

#### THE STAR-SPANGLED BANNER

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

#### HAIL TO OLD I.U.

Come and join in song together, Shout with might and main; Our beloved Alma Mater, Sound her praise again.

#### Chorus

Gloriana, Frangipana, E'er to her be true; She's the pride of Indiana, Hail to old I.U.!

-Joe T. Giles, Class of 1894

#### INDIANA, OUR INDIANA

Indiana, our Indiana, Indiana, we're all for you. We will fight for The Cream and Crimson For the glory of old IU. Never daunted, we cannot falter. In the battle, we're tried and true. Indiana, our Indiana, Indiana, we're all for you! I-U!

-Russell P. Harker

## ONE HUNDRED NINETY-FOURTH COMMENCEMENT

Indiana University Bloomington

#### **Dear Friends:**

Welcome to Indiana University's 2023 Winter Commencement. This celebration of the tremendous success of our graduating students is one of the high points of the year.

Graduates, today we pause to honor your tremendous accomplishments. This is your shining moment.

You come from across the state of Indiana, throughout the nation, and around the world. You have become a part of a tradition of excellence at Indiana University that dates back more than two centuries. No matter what degree you have earned, you have drawn on your intelligence and tenacity to achieve mastery and prepare for the challenges of tomorrow. We honor your achievements today and recognize the challenges you have already faced, and overcome, as you have pursued your dreams.

To the family members and friends of the Class of 2023 who have joined us today, thank you for being here and for the love, encouragement, and faith you have given in support of today's graduates. I know how proud you must be, and all of us at IU share your pride. The strength of support like yours helps each of us achieve our highest aspirations and deserves our deepest gratitude. Today is as much a day to share that gratitude as to celebrate.

Graduates, you will always be a part of IU's rich and living history, and no matter where your lives and careers take you, you will be IU Hoosiers for life. We know that you will value your IU education, use it for worthy ends, and go on to accomplish many more great things. We will remember and celebrate you always, wishing you the greatest success in the future.

Your strength, commitment, and perseverance have awarded you this well-deserved achievement. Congratulations!

Most sincerely,

Ponela Whike

Pamela Whitten President



## **CONTENTS**

Degree-Granting Schools and Administration	3
Guest Information	4
Commencement Traditions	5
Student Commencement Speaker	7
Acknowledgments	8
One Hundred Ninety-Fourth Commencement Ceremony	9
Graduate and Undergraduate Degree Recipients	11

#iubgrad23

With honor to the First Nations people of Indiana, on whose ancestral homelands and resources Indiana University Bloomington was built.

Indiana University communications and marketing professionals will be gathering still images and video for use on university social media and websites, as well as for other marketing and news purposes. Your participation in this public ceremony grants Indiana University permission to use your likeness in such material.

## DEGREE-GRANTING SCHOOLS AND ADMINISTRATION

#### College of Arts and Sciences, page 11 Rick Van Kooten, *Executive Dean* Jane D. McLeod, *Executive* Associate Dean

Elizabeth Cullen Dunn, Associate Dean for Graduate Education Vivian Nun Halloran, Associate Dean for Diversity and Inclusion and Arts and Humanities Richard Hardy, Associate Dean for Undergraduate Education Caroline Jarrold, Associate Dean for Natural and Mathematical Sciences and Research Rebecca Lave, Associate Dean for Social and Historical Sciences

Indiana University Eskenazi School of Art, Architecture, and Design—College of Arts and Sciences, page 14 Peg Faimon, *Founding Dean* Jawshing Arthur Liou, *Associate Dean* 

Indiana University Hamilton Lugar School of Global and International Studies— College of Arts and Sciences, page 14 Nick Cullather, *Interim Dean* 

David Bosco, *Executive Associate* Dean

The Media School—College of Arts and Sciences, page 15 David Tolchinsky, *Dean* Radhika Parameswaran, *Associate Dean* 

Indiana University Kelley School of Business, page 16 Ash Soni, Dean Patrick Hopkins, Vice Dean Dan Li, Executive Associate Dean for Faculty and Research Josh Perry, Executive Associate Dean for Academic Programs Sreeni Kamma, Associate Dean for Academics Rebecca Slotegraaf, Associate Dean for Research Robert E. Thomas, Associate Dean for Diversity, Equity, Inclusion, and Belonging

School of Education, page 19

Anastasia Morrone, Dean Sarah Lubienski, Executive Associate Dean Indiana University Luddy School of Informatics, Computing, and Engineering, page 21 Joanna Millunchick, Dean Apu Kapadia, Associate Dean for Graduate Studies Paul Macklin, Associate Dean for Undergraduate Education Selma Sabanovic, Associate Dean for Faculty Affairs XiaoFeng Wang, Associate Dean for Research Indiana University Maurer School of Law, page 22 Christiana Ochoa, Dean

Steve Sanders, Associate Dean for Academic Affairs Deborah Widiss, Associate Dean for

Research and Faculty Affairs

Indiana University Jacobs School of Music, page 23

Abra K. Bush, David Henry Jacobs Bicentennial Dean

Jeremy Allen, Eugene O'Brien Bicentennial Executive Associate Dean

Ryan Kelly, Associate Dean for Academic Affairs and Student Success

Lissa May, Interim Associate Dean for Faculty Affairs, Research, and Creative Activity

School of Nursing, page 25

Robin P. Newhouse, Dean Wendy Trueblood Miller, Executive Associate Dean for Research

Indiana University O'Neill School of Public and Environmental Affairs, page 25 Siân Mooney, Dean Bradley T. Heim, Executive Associate Dean Joseph Shaw, Associate Dean for Research

Philip S. Stevens, Associate Dean for Faculty Affairs

R. J. Woodring, Associate Dean for Educational Programs

#### School of Public Health, page 27

David B. Allison, *Dean* NiCole Keith, *Executive Associate Dean* 

Jerono Rotich, Associate Dean for Organizational Climate,

Inclusion, and Belonging Kelli Ryckman, Associate Dean for Research

## School of Social Work, page 28

Jeffry Thigpen, Interim Dean Amy Murphy-Nugen, Associate Dean

Indiana University Graduate School Bloomington, page 29 David Daleke, *Dean* 

#### Indiana University

Pamela Whitten, President Jay L. Hess, Executive Vice President for University Clinical **Affairs** Carol Anne Murdock-Kinch, Interim Executive Vice President and Chancellor. IUPUI Dwayne Pinkney, *Executive Vice* President for Finance and Administration Rahul Shrivastav, Provost and Executive Vice President, Indiana University Bloomington Scott Dolson. Vice President and Director of Intercollegiate Athletics Michael Huber, Vice President for University Relations Hilary Kahn, Interim Vice President for International Affairs Rob Lowden. Vice President for Information Technology and Chief Information Officer Thomas A. Morrison, Vice President for Capital Planning and Facilities Russell J. Mumper, Vice President for Research Nancy E. Paton, Vice President and Chief Communications and Marketing Officer Julie Payne-Kirchmeier, Vice President for Student Success Anthony Prather, Vice President and General Counsel Todd Richardson, Vice President and Chief Human Resources Officer Susan Sciame-Giesecke, Vice President for Regional Campuses and Online Education James Wimbush, Vice President

for Diversity, Equity, and Multicultural Affairs Brenda Stopher, Chief of Staff, Office of the President

## **GUEST INFORMATION**

#### Indiana University Foundation

J Thomas Forbes, President and Chief Executive Officer

#### University Libraries

Diane Dallis-Comentale, *Ruth Lilly* Dean of University Libraries

#### Indiana University Bloomington

#### Rahul Shrivastav, Provost and Executive Vice President

David Daleke, Vice Provost for Graduate Education and Dean of the Indiana University Graduate School Bloomington Carrie Docherty, Vice Provost for Faculty and Academic Affairs Aimee Heeter, Vice Provost for Finance and Administration Lamar Hylton, Vice Provost for Student Life David Johnson, Vice Provost for Enrollment Management Brea Perry, Vice Provost for Research Vasti Torres, Interim Vice Provost for Undergraduate Education Kirk White, Vice Provost for External Relations James Wimbush, Interim Vice Provost for Diversity and Inclusion

Kathy Adams Riester, Associate Vice Provost for Student Life and Dean of Students

#### Hutton Honors College Rebecca Spang, *Dean* Lynn Cochran, *Assistant Dean*

Indiana University Bloomington Faculty Council Colin Johnson, President Danielle DeSawal, President-Elect Cathrine Reck, Past President

#### **Trustees of Indiana**

University Quinn Buckner, Bloomington, Chair Cynthia Lucchese, Indianapolis, Vice Chair Cathy Langham, Carmel Jeremy A. Morris, Indianapolis J. Timothy Morris, Nashville, Tennessee Kyle Seibert, Connersville Donna B. Spears, Richmond Isaac Torres, Granger Vivian Winston, Bloomington

#### FIRST AID AND RESTROOMS

The IU Health Bloomington Hospital Emergency Department and Ambulance Service have personnel units located off the main lobby area to assist attendees. Emergency paramedic personnel will be able to provide immediate medical attention. If you require emergency medical assistance, please contact the nearest usher or police officer.

IU Auditorium has public men's and women's restrooms located on the Orchestra, Mezzanine, and Balcony Levels. A gender-neutral and family restroom is located on the north side of the house. All restrooms are ADA accessible. Please ask an usher if you need guidance to any of these locations.

#### LOST AND FOUND

Recovered items will be collected by event staff. To check for lost items, please ask an usher for directions to the lost and found areas located at the coat check in IU Auditorium. After Commencement, please call 812-855-9528 for help with lost or found items.

## **COMMENCEMENT TRADITIONS**

The audience is requested to remain until the conclusion of the ceremony.

Today's 194th Commencement exercises at Indiana University Bloomington mark the joyous culmination and proud recognition of our graduates' academic achievements. The ceremony is rich in academic tradition and protocol.

#### THE STUDENT

PROCESSION The university grand marshal, attired in a black brocade gown with a gold sash and a black velvet cap, leads the procession into the hall. The students are next, marching in the respective schools that recommend them for their degrees.

Once the candidates have reached their seats, the members of the faculties of Indiana University Bloomington enter, wearing the colorful hoods of the colleges and universities from which they are graduates.

#### THE CEREMONY

The grand marshal, carrying Indiana University's ceremonial Mace, begins the platform party procession, and immediately following the grand marshal are the president, members of the Board of Trustees, the provost, the deans of the schools, university officers, and other participants.

The ceremony includes a Commencement address by the president, remarks by other speakers, and the conferral of degrees.

#### SYMBOLS

Traditional in all formal ceremonies of Indiana University are the Mace, symbol of authority, and the Jewel of Office, emblematic of the Office of the President.

The Mace, which is carried in by the grand marshal and is placed on the stage for the duration of the ceremony, is a symbol of authority. IU's Mace was presented by Phi Delta Theta in 1949 and is embossed with the seals of the university and the state of Indiana.

The president's Jewel of Office is also rich in meaning. Its design is inspired by the arbutus, the university flower. Three precious stones within the jewel represent reading, writing, and arithmetic, and another three, the arts, sciences, and humanities. The Jewel of Office was presented by Beta Theta Pi in 1945.

#### ACADEMIC ATTIRE

The origins of academic dress date back to the twelfth and thirteenth centuries, when universities were taking form. The ordinary dress of the scholar, whether student or teacher, was the dress of a cleric. Long gowns were worn and may have been necessary for warmth in unheated buildings.

The assignment of colors to signify certain faculties was a much later development, and one that was standardized in the United States in the late nineteenth century.

#### Gowns

All candidates for degrees and those who hold these degrees, including university officials and faculty and visiting dignitaries, wear traditional gowns. Most are black, but some are brightly colored. The style of the gown indicates the highest degree held by the wearer, and the colors represent institutions and fields of study. The gowns for bachelor's degree and associate degree recipients have a closed front and open sleeves. At Indiana University, candidates for bachelor's and associate degrees also wear crimson "stoles of gratitude," which they may keep as a memento of the day or present as a token of thanks to anyone who has guided them on their path to graduation.

The master's degree gown has extremely long, closed sleeves, from which the arms extend through a slit at the wrist; the end of the sleeve is square, with an arc cut away just above the bottom. The doctor's gown has velvet panels down the front and voluminous bell-shaped sleeves on which there are three velvet bars.

#### Caps, Tassels, and Hoods

Candidates for associate, bachelor's, and master's degrees wear square-topped caps—also called mortarboards—which are adorned with colored tassels appropriate to the school or division from which they are graduating. The same colors are used throughout the United States. They are:

Arts and Sciences-White Business-Drab Education-Light Blue Informatics, Computing, and Engineering-Copper Law-Royal Purple Medicine-Kelly Green Music-Pink Nursing-Apricot Optometry-Aqua Public and Environmental Affairs-Peacock Blue Public Health-Salmon Social Work-Citron Graduate School-Royal Blue Doctoral candidates may wear either a mortarboard or a velvet tam. Doctoral tassels are gold.

Velvet-lined hoods are worn by master's and doctoral candidates. The master's hood extends to the middle of the back, is edged in velvet in the same color as the tassel, and is lined with colors representing the institution from which the degree was earned. Indiana University hoods are lined with cream and crimson. The doctor's hood is longer, has wider velvet edging, and fully exposes the lining.

#### Honor Cords and Medallions

Graduating with Distinction, High Distinction, and Highest Distinction Indiana University holds all of its graduates in high esteem and takes an added measure of pride in those who have excelled academically.

Candidates who graduate with Distinction, High Distinction, and Highest Distinction are entitled to wear on their left shoulders the fourragère, cream and crimson cords. In addition, on some IU campuses, certain students are entitled to wear gold medallions indicating that they are graduating with honors. The recorders in each school distribute fourragères to qualified students before Commencement. The requirements for graduating with honors are different for each school.

IU Bloomington College, School, and Departmental Honor Cords Some schools and departments offer honors programs for students who excel academically and seek an enriched and challenging learning environment. Graduates who fulfill the requirements of these programs receive a notation on their diplomas and are eligible to wear gold or blue honor cords, which are provided by the participating colleges, schools, and departments.

Insignia from Greek Honor Societies A wide array of honors organizations recognize outstanding achievement in service, philanthropy, and scholarship. Indiana University is proud of all of its students who fulfill the requirements for membership in these important societies, but on Commencement day the university singles out those honor societies that emphasize academic achievement. Graduates who have been admitted to these societies may wear the appropriate cords at Commencement.

Honor Cords for Veterans and Service Members Graduating students who have served or are currently serving in the U.S. Armed Forces wear red, white, and blue cords.

MUSIC Today's music is performed by musicians from the Indiana University Jacobs School of Music. The selections represent a range of genres, including traditional ceremonial pieces, such as several of the famous Pomp and Circumstance Marches by Sir Edward Elgar and Marching Song by Gustav Holst. In addition, the program consists of other familiar marches and fanfares, and two Indiana University traditions: Hail to Old I.U. and the IU fight song, Indiana, Our Indiana.

#### HERALD TRUMPETERS

Josh Levy Wayner K. Ramón Ortega Sebastian Petzinger Stephen Stavnicky

## STUDENT COMMENCEMENT SPEAKER

#### HARIKESHAV NARAYAN

Harikeshav Narayan graduates today with highest distinction, earning a Bachelor of Science from the IU Kelley School of Business, where he majored in finance. He completed a minor in economics in the College of Arts and Sciences. Arriving at IU from Bangalore, India, Narayan chose to major in finance to develop his interests in quantitative analysis and mathematics.

He is the recipient of a Louis R. Mervis Scholarship, which supports the studies of Kelley School of Business juniors and seniors who have demonstrated academic excellence and who are actively involved in student organizations. Previously he received the school's Tilla M. Cruser Business Scholarship, also granted to academically distinguished students.

Narayan has held several leadership roles in the IU chapter of Phi Eta Sigma, the oldest and largest firstyear honor society on campus. Inducted into the chapter as a sophomore, he represented it at two national conventions. He was designated a member of distinction, and he served as the IU chapter's executive president, making a significant impact by helping to rebuild the chapter and by leading the election of a diverse executive team. In 2023 the chapter inducted more than 650 new members, a success that is largely attributable to his efforts. He continues his involvement as an advisor to the chapter's executive committee, and he serves as director of expansion for the Midwest region for Phi Eta Sigma's national organization.



Earlier this year, Phi Eta Sigma presented him with the Foy-Sagabiel Undergraduate Scholar-Leader Award, given annually to one honoree who is named the top undergraduate student leader among its 386 chapters on campuses throughout the United States. He also was awarded a Founders Fund Scholarship, affiliated with Phi Eta Sigma, citing sustained influence on the organization.

Narayan served as the director of legal affairs at Kubate at Kelley, an organization that aims to equip its members with tools to curate and pitch business ideas to angel investors. Among other contributions, Narayan drafted Kubate's bylaws and promoted student engagement.

He is a holder of the Kelley Coin, an honor awarded to Kelley School of Business students who advance with integrity, hold themselves accountable, and persevere through challenges.

Narayan has worked as a coinstructor and teaching assistant at the Kelley School for a graduatelevel course in intellectual property and undergraduate-level courses in business law, marketing, and microeconomic theory. He completed internships at the BDO public accounting firm in Chicago, specializing in tax consultancy, and at the Stryker Corporation in Kalamazoo, Michigan, focusing on financial analytics. Currently he works remotely for CareCognitics, a Las Vegas-based digital healthcare startup, as a business analyst and client specialist. He holds certificates in global financial markets from Rice University and foundational financial accounting from the University of Illinois.

An IU Founders Scholar who completed his degree requirements in three years, Narayan now plans to take an extended backpacking trip across northern India before joining the Stryker Corporation as a financial analyst on an accelerated management track, beginning in the summer of 2024.

## ACKNOWLEDGMENTS

#### INDIANA UNIVERSITY BLOOMINGTON Dan Grundmann, O'Neill School of John Walbridge, Hamilton UNIVERSITY GRAND Public and Environmental Affairs Lugar School of Global and MARSHAL International Studies Joan Hawkins, The Media School 11:00 a.m. and 3:00 p.m., Friday, December 15, 2023 Brian Horne, Associate Professor Songhu Wang, College of Arts and Jeffrey Holdeman, College of Arts of Music (Voice), Jacobs School Indiana University Auditorium Sciences and Sciences of Music Eduardo Ximenes, School of Public Angela Jackson-Brown, College of Health Arts and Sciences UNIVERSITY PLATFORM PAMELA WHITTEN, President of Indiana University, Presiding Kevin Jaques, College of Arts and MARSHAL Sciences Sarah B. Mostes Evan Jordan, School of Public FANFARE Indiana University Herald Trumpeters Health **HEAD MARSHALS** Jennifer Lale, College of Arts and PROCESSIONAL Shayla Rose Van Hal Sciences Valarie Akerson, School of Doctoral Student Doug Landsittel, School of Public Education Health Jacobs School of Music K. Allen Davis, College of Arts and Christopher Lubienski, School of Sciences Education WELCOME President Whitten Brent Gault, Jacobs School of Music Deanna Malatesta, O'Neill School of Jennifer Piatt, School of Public Public and Environmental Affairs THE STAR-SPANGLED BANNER Health Anthony Josep Allan Martell, Luddy School of Class of 2023 Cathrine Reck, College of Arts and Informatics, Computing, and Jacobs School of Music Sciences Engineering Joe Schroeder, Kelley School of Lindsey Mazurek, College of Arts **Business** INDUCTION CEREMONY Rogelio Anthony Zamudio (11:00 a.m.) and Sciences Steve Tait, College of Arts and Class of 2023 Mark Messier, College of Arts and Sciences Kelley School of Business Sciences Jennifer Terrell, Luddy School of Kate Muehlhaus, Luddy School of Informatics, Computing, and Clara Alexandra Isaac (3:00 p.m.) Informatics, Computing, and Engineering Class of 2023 Engineering The Media School Amy Murphy-Nugen, School of FACULTY MARSHALS Social Work Alex Alexeev, O'Neill School of Martin Vargas Michael Oakes, Kelley School of Public and Environmental Affairs Chair, Board of Managers, **Business** Sridhar Arcot, Kelley School of Indiana University Alumni Association Faridah Pawan, School of Education **Business** Marty Pieratt, Kelley School of Roxie Barnes, School of Nursing STUDENT COMMENCEMENT ADDRESS Harikeshav Naravan **Business** Jon Brauer, College of Arts and Class of 2023 P. David Polly, College of Arts and Sciences Kelley School of Business Sciences Andrew Butters, Kelley School of Roberto Rodríguez, School of Public **Business** CHARGE TO THE CLASS President Whitten Health David Cartledge, Jacobs School of Howard Rosenbaum, Luddy School Music of Informatics, Computing, and **RECOGNITION OF GRADUATES AND** President Whitten Kyle Cattani, Kelley School of Engineering PRESENTATION OF DOCTORAL **Business** Indrakshi Roy, School of Public DEGREE RECIPIENTS Rahul Shrivastav Deb Christiansen, Eskenazi School Health Provost and Executive Vice President of Art, Architecture, and Design Shelly Scott-Harmon, Kelley School Indiana University Bloomington Daniella Chusyd, School of Public of Business Assisted by the deans of the schools (listed on page 3) Health Patricia Silveyra, School of Public Sharon Daley, School of Education Health CONFERRAL OF DEGREES AND Trent Deckard, Kelley School of President Whitten April Smith, Kelley School of **Business CLOSING REMARKS** Business Laurent Dekydtspotter, College of Joey Tartell, Jacobs School of Music Arts and Sciences HAIL TO OLD I.U. Led by Mr. Josep Esi Thompson, The Media School Angela De Leon, School of Public Arturo Valdivia, College of Arts and Health INDIANA, OUR INDIANA Ms. Van Hal Sciences Heather Eastman-Mueller, School of AND RECESSIONAL Sonia Velázquez, College of Arts and Public Health Sciences Ellen Evans, School of Public Health Henry Wakhungu, O'Neill School of Enrique Galindo, School of Public and Environmental Affairs

**ONE HUNDRED NINETY-FOURTH** 

**COMMENCEMENT** 

Education



## **GRADUATE AND UNDERGRADUATE DEGREE RECIPIENTS**

This list of 2023 recipients of degrees includes the names of graduates whose degrees were awarded in the fall term of 2023 and who applied to graduate by their programs' stated deadlines. Degrees and honors are confirmed after the completion of all requirements is verified. Diplomas for all fall term graduates will be mailed to recipients. For details on graduating with honors, please visit **go.iu.edu/honorgrads**.

## College of Arts and Sciences

**BACHELOR OF ARTS** Mohamed Ahmed Khalfan Jumaa Alsuwaidi With Distinction Eduardo Alexis Anguiano Cora Elizabeth Bassett With Distinction Amelia G. Bell Romey Lee Bell Griffin James Belt David Wolfe Bender With High Distinction Emily M. Berg Katherine Black Emma Clairc Blankenship With Highest Distinction Maecie Grace Boles Shelby Lynn Bond Hannah P. Booth With High Distinction Megan Diane Brady Leah Elizabeth Brandt With Highest Distinction Caitlin T. Brodwater Alexis R. Brouwer Izabella Mary-Frances Brown-Sparks Ashton Kylie Bruns Sydney Pauline Bustos Lindsey A. Camden With Highest Distinction Linkun Cao Lacey Anne Carter Jiayu Chang Caleb Andrew Cohen With Distinction Kathryn Rose Cooper Samuel Correa Magdalen Ann Crimmins Colin Zachary Crippin Ariana Elizabeth Davis With Distinction Dillon Grey Dayhoff Leonardo Joseph Di Lena

Hannah Marie Didonato Lauren Elizabeth Dodd Reagan Egbert With High Distinction Paige Marie Emoff Hadley Shae Enlow Zeynep Penelope Erel Harrison Fairfield Alexander James Farrar With Distinction Lily Lynn Fenner Terence David Flynn Sydney Layne Ruth Foreman With High Distinction Nicole M. Fox Kynli Cierra Frazier Sophia Freeland Josie Freeman With High Distinction Meghan Elizabeth Frost Annika Fuller With Distinction Oscar Antonio Godoy Joshua Scott Gondeck Audrey Joyce Goodpaster With Distinction Kindale Michelle Graves Erica Lauren Green Isabella Maria Guivas Katelyn Marie Hartman Samantha Erin Hash With Distinction Alexus Head Nicholas Robert Hedinger Mackenzie Marie Henry Ivan Hernandez Antonia Jordan Hiland With Distinction Meredith Ann Hilgefort Caleb Andrew Hill With Distinction Elle E. Hillers Thawng Hmung Emma Noel Holmes With High Distinction Gavin Lee Hopf With Highest Distinction

Benjamin Douglas Huston Dalea S. Johnson Abigail Susan Jones Amy Joy Juarez Julian Cassia Kim Christopher Brian Kirk Gianna Mariel Kirkley Andrew William Kloss Alyson Ya Wen Kniola With High Distinction Kadzumi Komiyama With High Distinction Olivia Claire Konchar Isabel Lauren Korte With Highest Distinction Brett Tiger Kravatz Eva Milner Ladd With Highest Distinction Brenn Lammert Isabella Florine Lewis Jingqi Liao Carolina Maltez Lima Thaddeus Joseph Limauro Xiaochen Liu Sophia Jane Louthain With Distinction Mallory Kay Love Steve Patrick Mack Jr. John Hollister Mitchell Aracely Molina Parker C. Moore Sidney Katherine Louise Morris With High Distinction Alisa Mufti Mayola Muniz Alyssa Rachel Myers With Highest Distinction Jacob Sean Myers Allison M. Nelson With Highest Distinction Alexander Michael Nettles With Highest Distinction Jackson Chase Norman Delia Novak Sunkanmi Temitope Ogunmakinwa Roberto Andres Ortiz Franco JiWon Park Giorgia Pasquinelli Annery G. Patel Emma Elizabeth Powell **Bettie June Price** Jared Thomas Quigg With Highest Distinction Olivia Rose Ramirez Kennedy Shea Reardon With Highest Distinction Marco Antonio Rebolledo

Emily Harriett Record With High Distinction Wyatt McEwan Reid Maggie Richey

With High Distinction Brysen James Riley Giovanni Rivera Daisy Lizeth Rocha Lourdes B. Rodriguez Benitez Ethan Hansen Rogers James Michael Rogers Shannon Rogers Kaitlyn Marie Rourke Eduardo Jose Rubiano Isabelle Kate Ruiz Yakira Netanya Rupenthal Riley Lynn Saddlemire Grace Ann Sarrazin Darrell Anthony Schreiner Olivia Anne Self Abdul Malik Shahid Frances Elizabeth Sheets Samantha Kailee Sheets Carter Sherwin Karen Elizabeth Shriver Simreet Kaur Singh Shubhi Sinha Delaney Marie Sizemore Courtney Jeanea Sloop Spencer Campbell Smith Kavla Marie Smock Delaney Stafford Breanna Steiff Lauren Elise Steinwedel Ashley Nicole Stout Audra Ann Stuck With Distinction Kyla Marie Study With Distinction Hanna Michelle Suchman Bawi Hnem Sung Delhi Julie Thang TawkHnin Thang Marin Elizabeth Thomas With Distinction Samuel Graham Thomas Jenna Christine Thompson Noah Thompson Ethan C. Tyler Nathan Ryan Tyler With Highest Distinction Bianca VanHooks Nuria Abril Vasquez Nicole Anahi Velasquez Castillo Cami Lynn Voiles Allison Marie Waller Jillian Inez Warren With Distinction Chloe White Samantha Willev Haley M. Williams Maojia Wu Kangzhe Xu

BACHELOR OF FINE ARTS Abigail Susan Jones

#### BACHELOR OF

LIBERAL STUDIES Nicole Airhiagbonkpa Andrea Malaga Bautista Lucien George Bayless Solomon Van Biak Jonathan Daniel Boatright Madot Manute Bol Amelia Bostick Kasey Marie Bridges Colin Ashfield Brown Christopher Jordan Buck Cameron Camper Maria Guadalupe Campos Ethan Carlin Jared Ray Casev Angeli Noel Cauley Hannah Cole Jessica Dawn Corns LeDarrius Cortez Cox Kevin David Crone Boon Tyler DeMuth Bruck James Digby Daniel J. Dittmer Griffin Lawrence Dorsey With Distinction Madison Nicole Eads Lizbeth Estrada Tanille Denise French Jessica Marie George Samuel John Gillespie Ethan John Grossman Brooklynn Nicole Gruwell Joshua Ryan Henderson Justin Hensley Sophia Rose Holland Myles Anthony Jackson McKenzie Anna-Nadine Jones Colyn Anthony Joseph Nana Amar Kaba Christopher Todd Kidd Noah Jamieson Koch Isabelle Caspian Lavengood Patrick Fitzgerald Lucas Jr. Gary Leo Macieczni Jr. Tonya Dawn McCray Hope Katherine Meierkort With Highest Distinction Divin Seda Ngangu Ethan Nixdorf Brock Victor Pedersen Katherine Ruth Pelton Emma Elaine Quackenbush Dmitri Vontae Richardson Dylan J. Ricketts Javier Roberto Rodriguez Oliva Joshua Sanguinetti Caroline Grace Seymour Siyuan Shen

Angelina Dominique Shufford Karanbir Singh Joe Snow IV Jason Michael Spriggs Kayla Marie Viramontes Allison Lindsay Wadsworth Anna Grace Walls Hannah White Star Jasmine White Dexter Lee Williams II Ryan Marshall Wilson Brett Alexander Wolin Yiliang Zhou Victoria Anne Zigenfus

#### BACHELOR OF SCIENCE

IN ANIMAL BEHAVIOR Rachel E. Albright Sarah Buschman Mahina Fayyaz Shellee Lee Goodman Alyssa Angela Highberg Alexis R. Hill Peyton Nichole Hutchinson Alex Martindale Emma Van Prooyen Marie J. Villaneda

#### BACHELOR OF SCIENCE IN ASTRONOMY AND ASTROPHYSICS Arnob Ahnaf Rasul

BACHELOR OF SCIENCE IN ATMOSPHERIC SCIENCE Silvia Josefina Lombardo

#### BACHELOR OF SCIENCE

IN BIOCHEMISTRY Nicholas David Marek Jacob Alan Norris Christian Spencer

#### BACHELOR OF SCIENCE

IN BIOLOGY Brooke Marie Dills With High Distinction Xutong Guo With Highest Distinction Madison Hicks JoLynn Elizabeth Hockemeyer With High Distinction Adam Brian Keeton With Distinction Justin Edward Kidd Alexis Mackenzie Lindahl Grant Monesmith Meru K. Patel Marissa L. Peckenpaugh Olivia Solomon Pickard Darcy Allison Rose

Rebecca Leigh Schofield Hayden Daniel Smithey *With Distinction* Darby Lynne Tassell Maria Damita Vivanco Ryan Trent Walden Breanna LaShawn Winters Erin Shields Wurtsbaugh Soyeon Yu

#### BACHELOR OF SCIENCE IN BIOTECHNOLOGY

## Taylor Knoll Gasman BACHELOR OF SCIENCE

Riley Grace Crump

IN CHEMISTRY Parker Anthony Thomas Kelley Charles Dezelan Vielee

BACHELOR OF SCIENCE

#### Eli Joseph Webster BACHELOR OF SCIENCE

IN ENVIRONMENTAL SCIENCE

Aralia Rose Pawlick With Highest Distinction Robert Reece Raduchel III Samantha Stockman

#### **BACHELOR OF SCIENCE**

IN GEOGRAPHY Joseph Cummings Louis Sun

#### BACHELOR OF SCIENCE

IN HUMAN BIOLOGY Catherine Elizabeth Burke Malia RaeAnn Edlin Maisy Elizabeth Feltner Gracyn Avery Fetters Rachel Holly Gilchrist Kynton Grays Sara Ann Bayan Grossniklaus Connor J. Hedges Brandon J. Hunt Leon Kinne Lexus Mav-Ann Martin Aniya Maree Nwabuko Maggie Elizabeth Pryor Margaret Jane Robinson With Highest Distinction Anna Kay Shafer With High Distinction Elaina Marie Sims Meghan Alexandria Tester With Highest Distinction

Allison Marie Waller Alec John Walsh Paige Lynn Webber With Distinction

#### BACHELOR OF SCIENCE

IN MATHEMATICS Nicholas Riley Adkins Brooke Serena Martin Augustine *With Highest Distinction* Robert Joseph Grimley Chenrui He Matthew Roach Carolina Salgado

#### **BACHELOR OF SCIENCE**

IN MICROBIOLOGY Caleb Andrew Hill *With Distinction* Stephen Lian Delilah Paige Perry

#### BACHELOR OF SCIENCE IN MOLECULAR LIFE SCIENCES Bethany Grace Tucker

BACHELOR OF SCIENCE

IN NEUROSCIENCE Ghalib Iqbal Akhter Ammar Ahmed Athar Shreya Bothra With Highest Distinction Xutong Guo With Highest Distinction Lindsey Francis Gusdorf Lucy Elizabeth Kachur Meredith Maureen King Emily Christy Kotvasz Nicholas David Marek Ashlee Layne Miller Chonny Van Nguyen With High Distinction Josiah Samuel Nissley With High Distinction Sarah Nolan Miller Jon Peterson Sean Thomas Pieszchalski With High Distinction Xhesiana Ramo

## BACHELOR OF SCIENCE

AND BUSINESS PSYCHOLOGY Abhinav Anand Madison Ann Teague

#### BACHELOR OF SCIENCE IN PHYSICS Michael Robert Foley Nicholas Hainer

BACHELOR OF SCIENCE IN PSYCHOLOGY

Ghalib Iqbal Akhter Cecelia Grace Bartholomew Dawthleitial Bawikhar Danyel Cervantes Evan Shane Fredericks Xutong Guo With Highest Distinction Ciara Haskins Emiliano Ibarra Malaika T. Khan Elizabeth Nicole Kuntz Anna Michalow Chonny Van Nguyen With High Distinction Olive G. Nystrom With Highest Distinction Janna Victoria Osborne With Highest Distinction Elizabeth Grace Renz Reyna Joy Rodriguez Allyson Marie Utz With Highest Distinction Maria Damita Vivanco Jessica E. Wade Chad Ryker Whelan Jacqueline Beth Woldt

#### BACHELOR OF SCIENCE

IN STATISTICS Weixi Lin Ava Leigh Mattox *With High Distinction* Andrew C. Meighan *With High Distinction* 

Recipients of Master of Arts, Master of Arts for Teachers, Master of Fine Arts, Master of Science, and Doctor of Philosophy degrees are listed under the Indiana University Graduate School Blooomington, pages 29–33.

#### Eskenazi School of Art, Architecture, and Design— College of Arts and Sciences

#### BACHELOR OF ARTS

Chloe Isabel Buse Kathleen Michelle Faust *With High Distinction* Haylee Jordyn Friedman Bradley Elijah Gibbs Fengwen Guo Taylor Lamparski Cody Jay Rosenberg Anna Louise Thomas Samantha E. Whitlock

**BACHELOR OF FINE ARTS** 

Ariel Yazmeen Castillo Alizah Sage Conard Sara Lynn Deren Jack Eamon Donnelly *With High Distinction* Thandie Hunter Goins *With Highest Distinction* Zoey K. Mcleod Kristian Isaac Pontius Gabrielle Elyse Schenck Anna Ruth Sowka

#### BACHELOR OF SCIENCE

IN APPAREL MERCHANDISING Kaitlyn Beth Bowles Devon Victoria Everton Lindsay Ferrell Jack Thomas Hidde Efia Toftdal Howarth Sarah Marie Newton Kaylee Patricia Sheehan Madisyn L. Smith Stephanie M. Varkados

#### BACHELOR OF SCIENCE IN COMPREHENSIVE

DESIGN Isabelle Jade Arive *With High Distinction* Annalise Barden Romey Lee Bell Zachary Clayton Brokaw Aiden Thomas Burns *With High Distinction* Yibei Cheng Rachael Lynne Davis Corrin Lauren Dillon Colby Michael Facklam Jordan Jaques Kira Dawn Morton Trenton Durand Musch Andrew Michael Noppenberger Jessaca Rae Rawson Krishan Recinto Lauren Emily Reedy Colton Snider

#### BACHELOR OF SCIENCE

IN MERCHANDISING Jackson Bernard Frank Cameron Jolie Hoskins Sophia Lynn Pacilio Renae Angelique Perez Malia-Alana Kahealani Scheele With High Distinction

Recipients of Master of Arts and Master of Fine Arts degrees are listed under the Indiana University Graduate School Blooomington, pages 29–33.

Adama Jalloh Avesha Khan Naomi Alexandra Mather William Tapscott McGimpsey Timothy Thomas McGowan With Hiah Distinction Dylan Andrew McLeod Seiktama Mon Aralia Rose Pawlick With Highest Distinction Kennedy Shea Reardon With Highest Distinction Ebony Marie Richardson Maggie Richey With High Distinction Bridget Nicole Robinson Jason Sadlowski With Highest Distinction Grace Ann Sarrazin Evalina Sophia Schneider With High Distinction John Brycen Veach Maxwell Wilson

Hamilton Lugar

School of Global

and International

Studies-College

BACHELOR OF ARTS

Emma Caroline Bartolo

Jaylen Shea Conrad

Grace Madison Gott

Leah Ellen Heneveld

Tyson Blake Hotopp

Jesse Henslev

Halcyon Duyen Doan

Sofia Elizabeth Duarte

With Distinction

With Highest Distinction

With Hiah Distinction

of Arts and Sciences

BACHELOR OF SCIENCE IN CYBERSECURITY AND GLOBAL POLICY Kyle Robert Blum *With High Distinction* Mallory Kay Pence *With Highest Distinction* Jacob Alexander Stevens

BACHELOR OF SCIENCE IN INTERNATIONAL STUDIES Silvia Josefina Lombardo

#### MASTER OF INTERNATIONAL

#### AFFAIRS Frances Pascale Clever Jacob Carlisle Crosley Anna Joy D'Souza Ndayishimiye Florence Maria Lucero Guillen Puon Braden Holt Margaret R. Klemsz

Syuzanna Martirosyan

Jarrett George McGuire

Recipients of Master of Arts and Doctor of Philosophy degrees are listed under the Indiana University Graduate School Blooomington, pages 29–33. The Media School— College of Arts and Sciences

#### BACHELOR OF ARTS Erin Akgun

With Distinction Abigail Rose Arvin Alexander Louis Barden Luke Timothy Bianco William Brandstatter IV Yibei Cheng Delainey Cockrell Ziyi Ding Elliot A. Dobson Desiree Marie Dufek Austin D. Fletcher Marie Helen Gryl With Highest Distinction Micco Zakai Guthrie Alexander John Hall Braden Jeffery Hall Logan Hare Kaitlin Nicole Harris With High Distinction Mickaela Joyce Woon Ko Taylor Lamparski Kaden Jay Latimore Haoyu Lin Halle Magruder Christopher Braden Marksberry Viktoriia Medvedeva With High Distinction Matthew Wayne Muncie Katherine Daisy Murphy Jastin A. Nolan Maeve Noelle Panich With Distinction Daniel Nathan Park Alexander Cole Pavich Jacqueline Michele Preston Caiden James Purcell Connor Stephen Ross Abbey Anne Ruckert Molly Marie Sawyer With Highest Distinction Ryan Michael Schultz Jannica Seraypheap Cameron John Shearin Patrick Connor Shirley Nicholas Andrew Siniscalchi Grace Katherine Skekloff Annie Noel White Stryker Zachary Scott Todd With Highest Distinction Joshua James Tonner William Bailey Wright

#### BACHELOR OF ARTS

IN JOURNALISM David Wolfe Bender With High Distinction Michaela Alayne Bruns With Distinction Olivia Renee Franklin Amani Sanea Gates Anya Isabella Heminger Clara Alexandra Isaac With Highest Distinction Neal Stackhouse Kaelble Jared Thomas Quigg With Highest Distinction Lauren Kathryn Reising Ethan Graham Rogers Lily James Staatz Abigail Ukinski Alexis Deamber Woods Megan Zacharias With Highest Distinction Brianna Faye Zeiberg

#### BACHELOR OF FINE ARTS William L. Clark

Recipients of Master of Arts, Master of Science, and Doctor of Philosophy degrees are listed under the Indiana University Graduate School Blooomington, pages 29–33.

#### **Kelley School** of Business

#### **BACHELOR OF SCIENCE**

IN BUSINESS Addison Miller Abramowitz Syed Muhammad Ali Akbar Alene Alderman Jaishnav Reddy Allapureddy With Distinction Ashlev Suzanne Allen **Benjamin Baines** Willem Matthew Blandford Eduardo Angel Bolivar Robert James Booden John Augustus Born Chandler DaCosta Bovce Rvan Patrick Bretwisch Shelby Kay Buss Kailong Cai Michael Casey Thomas K. Cattani Sasha Barbara Causee Mahesh Chaganti **Rithvik Chilamkurty** Jong Won Choi Austin David Coll Thomas Cortese Jason Scott Czabaj Ryan Anthony Dattilo Samantha Lauren Devereaux Jaskarn S. Dhami Brooke Marie Dills With High Distinction Danielle Yu Dionisio With High Distinction Taylor Lynn Disabato Edward Dlatt Michael B. Doman Jake Ryan Ebach James Thomas Donnelly Evans Vincent Joseph Fiacable Jason Dallas Fraser II Ethan Isaac Freed With High Distinction Carson Matthew Gadd Grev Edward Garcia Seth Nathaniel Gausman Mark Andrew Gazall Daniel Cooper Gehrs Robert John Gevers With High Distinction Grant Michael Gibson Kitchel Gifford Maya Ilyana Goldenberg With Distinction Andrew Grant Goldsworthy With Distinction Shivan Rajkumar Golechha Frances C. Graf Chirayu Gupta

Isha Gupta Daniel Stefan Hall With Highest Distinction Jonathon Thomas Hanson Charles Hargis Blake Crocker Harju Chloe Lynn Hawkins Andrew Heekin With High Distinction Leo Matthew Heller Seoveon Heo With Distinction Jeremy Nathan Herlambang Madeline Claire Hildreth With Highest Distinction Maxwell Himelstein Christian Walter Hitt Ryan Hong Ziyan Huang Adam Michael Hummel Ashby Jain With Distinction Hyunji Jang Arvan S. Jasani Palmer Patrick Jones Minki Jung With High Distinction Ashwin Veda Kamineni Ingyu Kang Nicholas George Katsis With High Distinction Sydney Leigh Keld Ruchika Khowala With Highest Distinction Davin Kim Hyeongjun Kim Brandon Thomas Kirkman Samuel Sebastian Knill Kyle Kohanteb With Distinction Daniel Mitchel Kovfman With Highest Distinction Colten Joseph Krekeler Mose Kwon Connor Laurino With High Distinction Jeremy Carleton LaVine With Distinction Marcus Duc-Tai Le With Highest Distinction Quan Uyen Le Cameron M. Ledbetter Austin Matthew Lee Ching-Chen Lee Allen Li With High Distinction Lingyi Li Mingyang Li Michelle Lin With High Distinction Shiying Lin Jingru Liu

Yicen Liu Jinhao Luo Nathaniel Miles MacAbee Pranav Madhu With Highest Distinction Joseph Franklin Maher Satvik Reddy Malapati Vikram Manaktala With Highest Distinction Derrick Maurice Mark With Distinction Jessica Rose Marquis Jacob Daniel Martin Auston James McCollum Eric Blaine McGrath Lauren Brooke McKay Logan John McKinnon Jacob Mehringer Maxwell Wade Mobley Kelly Anthony Moran Harrison Robert Morosky Sneha Khagendra Muthe Harikeshav Narayan With Highest Distinction Nathan Russell Nichols Olive G. Nystrom With Highest Distinction Luke Christian Olson Zixuan Ou With Distinction Caiden Jonathan Paauwe Garima Pancholi With Highest Distinction Dylan Anthony Panzica Akash Vijav Patel Manav Patel Daniel Alberto Pauletto With Distinction Huiyi Peng Zachary Allen Peterson Matthew Pettev Sameer Anand Prakash Jodh Pullela Lukasz Patryk Rafalski Maeve Estelle Randall Jacob Dutch Rosen Kriswiroj Ruangkanchanasetr Margaret Ann Ryan Shayoni Saha With Distinction Aryaman Sarda Jonathon J. Sauter Mark Phillip Schiavo With Distinction Olivia A. Schitter Lance Michael Schreibstein Steven Maxwell Segel Shruti Sunil Senan Jaemin Seo Aagam Shah Rayed Bukhari Shaik Sooin Shin

Anushka Silwal With Distinction Mohkm Singh With Distinction Henry Dalton Smith Thomas S. Snell Anudari Sodnomtseren Keumkyung Son With High Distinction Dillon Cole Sternberg Sasta Sudhakaran Raghav Sundar Murtaza Syed With Distinction Chaochen Tan With Distinction Ravaan Taneja Alexandra Tangeman Samira Tara Jason Tedjasasmita With Highest Distinction Lauren Townsend Khoa Tran Nikitas Vailas With High Distinction Blake Varsolona Erin Nicole Verni With Highest Distinction Ashvvath Vijav With Distinction Roshan Vishwanath Yu Wei Wang Ziqi Wang With Distinction Nathan Jefferv Ward Kavla Weede With High Distinction Noah Kyle White Grant J. Wiegand Bairan Wu Claire Wu Xiao Xiao Yunhan Ye With High Distinction Sung Hwa Yoon Russell Yuen With Distinction Juhui Yun Rogelio Anthony Zamudio Songdi Zhang With Distinction Yizhen Zheng Brianna Zhou With Distinction Ruijie Zhou MASTER OF BUSINESS Yun Joo An Jacob Andrassy Wenying Chen Savannah Lynn Conder

Katherine Ann Daugherty Donggyu Jeon Yoonkyung Jin Andrew K. Jones Ben Lazarine Adam Pigg Anne Sophie Sabbatucci Jing Wang Qianfan Wu Aijia Yuan MASTER OF BUSINESS ADMINISTRATION

Mohamad Abbas Christina Marie Abel Bridget Colleen Afshar Mohamed Almansoori Faisal M. Alzahrani **Rajesh Arangamany** Abhishek Arohi Ormazd Asadi Corey James Augenstein Fernando Damo Baesso Dustin David Bagwell Jeremiah Baker Jessica Barb John Michael Barrett Nicholas Errell Bauer Mary Baumann Manpreet S. Bedi Premal Ramesh Bhartiya Maheshwari Bhosale Whitney Rissler Biggs Daniel Guy Blessing Colby Aaron Bockwoldt Tiffany Bolin Alexandra Borostyan Courtney Boyer Nicholas Brennan **Courtney Brumbach** Paola Cecilia Carmona Hamelius Daniel Catre Tyler James Cecil Saira Berenise Chavez Yin-Yu Chen Seojeong Choi Megan Ann Connell TaraLee Cook Kristine Helene Crawford Nicholas Daanen Oswald Appiasam Dadson Rafek David II Kelsev Allen DeBoer Amrita Deo Mario Esteban Di Salvo Melanie DiPietro-Picolo Eva Catherine Dixon Lucas T. Dombroski Morgan Dovle Anna Duan Jianan Duan

David Duffy Momcilo Durdevic Payton Duwe Eric Michael Eade Luis Eguia Justin Englebert Ellen Teresa Ernstberger Sarah L. Feliciano Sarah E. Fessenden Talia Erin Fishman-Strait John Christian Foster Elizabeth Joy Fullerton Kenny Gadok Todd Anthony Garcia Tomas Dequech Garcia Akansha VipinKumar Garg Joseph Andrew Garrett Jr. Daniel B. Gavnor Kristopher Patrick Geyer-Roberts Michael C. Giano Ryan Scott Glomboske Rebecca Ellen Goforth Sudheer Gollapudi Manasa Gopireddy Prashantha Gowda Jorge Alphonso Gutierrez Jr. Shamanth Hande Matthew Donald Happe Thomas Bryan Hargett Sorcha Leigh Hartman-Birge Matthew Levin Hays Sidnee Rose Hill Hieu Tuan Hoang Gregory Lee Hoffman Brett Davis Hofman Kenneth K. Hollar Kristen Lea Hollar Jonathon Robert Horbal Christian J. Hoyos Coll Sarah Sliger Hunnicutt Anne Hurtado Christopher Lewis Jackson Eric Oscar Jacob Sanjana Jangeed Steven Jensen Lisette Doreen Jingco Emma Johnston Jay S. Joneja Alexander William Joss Sean M. Kampsen Supriya Kanal Yanita Rossenova Karatchorova William Joseph Keating Aaron William Kellev Lauren Kendall Thomas Kim Michael Aaron Klein Jacqueline Klindt Jacob Joseph Kluth Binod Kumar Elizabeth Anne Labuzienski Connor Patrick Lamson

Sofia Lara Aguilar Jaehong Lee Victor Lee Sydney Nicole Lesko Elena Lin Julie Anna Lloyd Kevin Loh Abbey Nicole Lopp Jeffrey Clark Lowman Mateusz Maciejewski Caitlin Madison Abhaycharan Sanjiv Maheshwari Wilfredo A. Maldonado Harshitha Mannam Kyle Maple Nicholas Marek Lakshmi Menon Christine Andrea Metrick Benton Thomas Hamilton Miller Mary Kathleen Morris Charles Austin Mosier Joydeep Mukherjee Kiruthik Kumar Nandakumar Joseph Natividad Gary Lee Newell Laura Nibbelink Christopher Mantovanelli Nobre Abby O'Rourke Walter T. Oliff II Samuel Paul Owings Kaushal Pankaj Patel Niraj Gordhanbhai Patel Rahul Raman Patel Kyle Richard Perry Stefan Oliver Pfandt Brian Kevin Pfeiffer James Porile Sumit Prajapati Michelle Ralph Lauren Jacqueline Ray Aaron Razavi Bradley Reardon **Rvan James Reese** Stephen Joseph Robben Erika Larican-Martinez Rosefall David Joshua Rubin Mandar Shripad Sathave Maria Fernanda Santolalla Sayers CiCi Lynne Dadds Scharf Rachel Jean Schmidt Nigam Shah Amit Sharma Paramiyot Singh Yuriy Slutskyy Edwin Alexander Smith Jr. Isaac Michael Smith Mathieu Smith Robert Philip Swart Stefan Swenson Brian Swift Lucas Szabo Mark Timothy Tatum Morgan Thome

Supriya Thorbole Raphael Chinagorum Tobis Tayanna Todd Erika Tucker Zachary Scott Tucker Eric Myron Uehlein Anthony Valitutti Gretchen Vincil John Vink Mounika Viswanadha Michael Thomas Walsh Ruiyao Wang Yang Wang Sarah Wanjura David James Ward Rosabeth Heyman Ward Kyle D'Amico Warneke Matthew Lee Thomas Watson Robert Joseph Welch III Michael Jay Wheeler II Logan Whitehead Joel Iheanyi Wigwe Jesse Stroder Wolgamott Brock James Wright Abishek Yadav Nishant R. Yamujala Sherwin Sou Lam Yee Genna Ruth Young Michael Zerbe Yujia Zhang

#### MASTER OF SCIENCE IN ACCOUNTING WITH DATA AND ANALYTICS Pei-Yu Hsu

Yiying Zhang

#### MASTER OF SCIENCE IN BUSINESS ANALYTICS

#### Alexandra Borostyan Samantha Copeland Jianan Duan Jordan T. Foss Montre Garius Hartage Karl Torsten Lagerlof Ricardo Maurtua Gregory Nowicki Rajesh Surendra Persad Stephen Joseph Robben Kristopher Roman Yoder

#### MASTER OF SCIENCE

IN FINANCE Matthew Dale Gobreski Pranav Kartik Danisha Pasaya Qudrat Ullah Qureshi Sarav Sundaram Deepika Udhani Sohum Surendra Waikar

#### MASTER OF SCIENCE IN HEALTHCARE MANAGEMENT Blake Austin Castetter Ritza Garcia Sabrina V. Vandergriff

#### MASTER OF SCIENCE

IN INFORMATION SYSTEMS **Rithies Athulya Alagarsamy** Govindasamy Logan Vaughn Bland-Chastain Jonas Eugene Chapman II Kaleb Quinton Clous Saurav Dahal Rvan C. Everts Aayush Mathew George Kavya Goyal Jarrod Scott Harris Tae Hyoon Kim Angela Yi Ting Lee Hsiao Gabrielle Elizabeth Leier Akanksha Mansharamani John David O'Hara Wensi Ouyang Ankitha Parlapalli Chase M. Retter Urvi Sethia Saurabh Girish Shastri Nishant Ramesh Shenoy Braeden James Smith Logan Richard Stachnik Anu Ann Thomas Makena Trew Taejun Um Vijay Gokul Umamaheswaran Vaishnavi Venkat Vatti Adam Ye

MASTER OF SCIENCE IN INFORMATION TECHNOLOGY MANAGEMENT Lauren Ashley Fox Rebecca Ellen Goforth

MASTER OF SCIENCE IN MARKETING Won Jang Aviva Zakarin-Angel

#### MASTER OF SCIENCE

IN STRATEGIC MANAGEMENT Efren Aldrete Syed Adnan Aqil Morgan Doyle Akansha VipinKumar Garg Aron William Harms KwanYoung Jin Chaehee Kim Jiveon Kim Miri Kim Jungyeon Koo Mark Anthony Pecaro II Sean Patrick Penwell Nicola Pohl Oriane Alexandra Robison Preston Scott-Hall Eric Ryan Sharp JeongWoo Shin Perri Michaela Taylor

Recipients of Doctor of Philosophy degrees are listed under the Indiana University Graduate School Blooomington, pages 29–33. School of Education

#### BACHELOR OF SCIENCE IN EDUCATION Wolfe I. Allen Samantha Marie Baughn Santos Domingo Cantu III With High Distinction Anna Noel Cooper With High Distinction Alyssa Marie Darragh Naomi Grace Gee Yahnea' Gentry With Distinction Ava L. Goins With High Distinction Robert Gordon Hannah Andie Elaine Henton With Highest Distinction Kaia Lily Krejci Elizabeth Grace Krueger With High Distinction Miguel Angel Lopez Adam Albert Marcuson With Distinction Tatum Cora Parker With High Distinction Jackson Phelps Kobey M. Ronk Vivian G. Ryker With Highest Distinction Cara A. Shaw Claire Elizabeth Stancombe With Highest Distinction Jacob I. Tribby Abigail Katrine Westerfeld

#### MASTER OF SCIENCE

IN FDUCATION Adele Antonia Brewer Hannah Lynn Burcham Tikva Carol Belser Chofi Whitney Ervn Cogdill Debbie Annette Curtis David Jonathan Elian Katarzyna Gannon Skylar Haywood Kaley Hendrickson Jeffrev Alan Hitchcock Jr. Sara L. Holmes Elizabeth Jones Breann M. Kroeber Ceasar LaBauve **Rory Paul Langton** Emily Ellen Lepore Dawn Elise Marciniak Janay Kayleen McGill Patti Newton Alyssa M. Owens Lisa Camille Owens Jacqueline Yvette Paiz

Ja'Toria Palmer Sarah Naomi Puckett James Thomas Renfro Ashley Evan Rhodes Alisa J. Schank Margaret Jane Simpson Ciara Thomas Taryn Danielle Thomas-Esters Matthew Valant Alisa VanDeusen Ann Elizabeth Walker Heather Lynn Walker JoyLynn Whitfield Jack Ayers Wilson

#### DOCTOR OF EDUCATION

Marta M. Adan Major: Literacy, Culture, and Language Education Dissertation Title: Sustaining the *Empoderamiento* of Spanish Heritage Learners at the Secondary Level through Critical Sociocultural Pedagogies Research Chair: Carmen Medina

#### L. Blair Alexander

Major: Higher Education Dissertation Title: Institutional Policy Changes and Their Effects on the Quality of Study-Abroad Proposals and Students' Intercultural Competence: A Program Evaluation Research Chair: Thomas Nelson Laird

Kerry Bruce Armbruster Jr. Major: Literacy, Culture, and Language Education Dissertation Title: Reframing Critical Cosmopolitan Literacies for Justice-Oriented Youth Activism Research Chair: Mary Beth Hines

#### Cassie Bailey

Major: Literacy, Culture, and Language Education Dissertation Title: The Case for a Critical Literacy Approach in an Elementary Book Club: A Catalyst for Illuminating Student Voice and Hidden Perspectives Research Chair: Karen Wohlwend Samantha Bise Major: Literacy, Culture, and Language Education Dissertation Title: Discerning Identity and Biblical Literacy Third Spaces through Narratives of Mothers Research Chair: James Damico

Aura Carrillo Gonzalez Major: Literacy, Culture, and Language Education Dissertation Title: Dos Voices, One Identidad: The Role of Translanguaging in Reimagining the Secondary Language Classroom Research Chair: Mary Beth Hines

Gilbert Orbiso Dizon Jr. Major: Literacy, Culture, and Language Education Dissertation Title: Exploring Language Learners' Digital Practices for Informal Foreign Language Learning Research Chair: Karen Wohlwend

Kathryn Whitney Leigh Daniel Dubrulle Major: Literacy, Culture, and Language Education Dissertation Title: *Devenons Éco-citoyens*: Engaging with Ecojustice Literacies in an Upper-Level U.S. High School French Classroom Research Chair: James Damico

Jandi Terey DuPree-Drye Major: Literacy, Culture, and Language Education Dissertation Title: Perceptions of Literacy among Culturally and Linguistically Diverse Adult Secondary Education Graduates: A Case Study of Student Expertise for Engaging Culturally Sustaining Pedagogies Research Chair: Mary Beth Hines

Anna L. Hamrick Major: Literacy, Culture, and Language Education Dissertation Title: An Examination of Kindergarten Teachers' Perceptions of Readiness and Their Utilization of South Carolina's Kindergarten Readiness Assessment Data to Inform Literacy Instruction Research Chair: Karen Wohlwend Andrea Lee Harville Major: Educational Leadership Dissertation Title: Understanding Perceptions and Practice of Principal Leadership in a Catholic Arts Integrated Elementary School Research Chair: Chad R. Lochmiller

Jennifer M. Hatfield Major: Instructional Systems Technology Dissertation Title: A Case Study of Student Perceptions of Online Course Design Features in a Bachelor of Health Sciences Program Research Chair: Thomas Brush

Umida Hikmatilla Major: Instructional Systems Technology Dissertation Title: Intercultural Pedagogy in Less Commonly Taught Language Classrooms: Teacher Perceptions and Practices Research Chair: Thomas Brush

Ishwarya Narayanan Iyer Major: Literacy, Culture, and Language Education Dissertation Title: Transformative Classroom Practices: A Focus on Classroom Libraries, Imaginative Practices, and Sociomaterial Entanglements Research Chair: Carmen Medina

Kathy Keunghee Kim Major: Literacy, Culture, and Language Education Dissertation Title: Young Learners' Digital Storytelling of Korean Folktales: Cross-Cultural and Translanguaging Implications in Contexts Research Chair: James Damico

Carol Elizabeth Lubin Major: Literacy, Culture, and Language Education Dissertation Title: Playing Field: Educators' Perspectives on Equitable Early Childhood Literacy Education for Black and Brown Students in the Age of Technology Research Chair: Karen Wohlwend Christian Dana Perry Major: Literacy, Culture, and Language Education Dissertation Title: Transit Space as Semiotic Landscape: Cross-Cultural Investigation into Transit Signage in the United States and Japan Research Chair: Karen Wohlwend

#### **Kimberly Peters**

Major: Literacy, Culture, and Language Education Dissertation Title: Virtual Literacy Coaching: Case Study of a Rural Intermediate School District's Solution to Time, Space, and Resources Research Chair: Karen Wohlwend

Claudia Patricia Rae Major: Literacy, Culture, and Language Education Dissertation Title: Latina Women's Narratives through Testimonios and *Autohistoria-Teoría* as Literacy Practices: Trauma, Healing and Identity Making Approaches Research Chair: Carmen Medina

Katrina Marie Reinhardt Major: Literacy, Culture, and Language Education Dissertation Title: Building Pre-Service Teacher Awareness of English Learners through Participatory Action Research Research Chair: Karen Wohlwend

Michelle Caprice Stigter Major: Literacy, Culture, and Language Education Dissertation Title: First-Year Student Perspectives of Service-Learning: Cultivating Cosmopolitan Literacies Research Chair: Mary Beth Hines

Joshua Mark Wood

Major: Literacy, Culture, and Language Education Dissertation Title: Experiencing Cultural Diversity through Film: A Practitioner Inquiry on Developing Cultural Proficiency in a High School Spanish Classroom Research Chair: Karen Wohlwend

Recipients of Doctor of Philosophy degrees are listed under the Indiana University Graduate School Blooomington, pages 29–33.

#### Luddy School of Informatics, Computing, and Engineering

## BACHELOR OF SCIENCE

Zaid Osama Qassem Al-Nasser Ahmad Osama Alhamad Moon Ray Appleby Brooke Serena Martin Augustine With Highest Distinction Atinuke Ayangade Kuzey Can Bektas Alec David Blanton Isaac D. Bordfeld Mahesh Chaganti Tate Joseph Clendening With Distinction Aidan Joal Cooper Isaac Delgass Shantanu Dixit With Highest Distinction Noah Alexander Ehrman Andrew Joseph Fritz Devin Luke Goodall Aidan John Goodfellow Owen Louis Gordon With Highest Distinction Andrew Oleg Gostomelsky Maouloune Christopher Goumballe Milton L. Hinnant II Thomas Anthony Jacobs Jr. Hyungsuk Kang Seunghu Kim Caden Isaiah Kline Jordan Bradley Alan Kline Tarun Koneru Cade Low Joseph Wayne Majors Michael David Miller With Distinction Owen N. Miller Wajid Ahmad Mirani Abdul Barr Mohammed Carter Novak Khushal Patel Nimesh Sanjay Patel Shivkumar Nimeshbhai Patel Larry Joseph Pittman II Akshika Rai With Distinction Mansour Sharif Austin Lee Slattery With Distinction Connor M. Smith Samuel Albert Stazinski Zirui Sun

Nicholas David Van Burk *With Distinction* Nathan Alexander Whippo Ashley McKay Ziegler *With Highest Distinction* 

#### BACHELOR OF SCIENCE

IN CYBERSECURITY AND GLOBAL POLICY Kyle Robert Blum With High Distinction Mallory Kay Pence With Highest Distinction Jacob Alexander Stevens

### BACHELOR OF SCIENCE

IN DATA SCIENCE Morgan Allen Fissel Andrew C. Meighan With High Distinction

## BACHELOR OF SCIENCE

James Daniel Anderson Brett Riley Bebej Adam Donald Berta Joseph Breedlove Guy Jeffrey Wilder Cart Molly Jacquelyn Carter Jackson Ray Cates Alexander Eric Cook Mason J. Culley Alayne Collette Davis Samuel Joseph Durm Megan Erwin Chester Philipp Garcia Oluwatobi Adenle Gbadamosi Evan M. Gilmore Brett Campbell Gregory David William Griffin Jackson A. Hawk Donghwan Kim Emily Catherine Laszlo Nathan Dean Leach Colin LeFevre With Highest Distinction Ahrod Cornelius Lloyd Andrew Scott Myers With High Distinction Anna Elizabeth Poulsen Jonah M. Schrum John Fredrick Stroke Andrew Justin Tjahjadi Nathan Reece Wagner Shelby A. York Garry Young Jr.

#### BACHELOR OF SCIENCE IN INTELLIGENT SYSTEMS ENGINEERING Allison Kay Godfrey

MASTER OF INFORMATION SCIENCE Sathvica Kothapalli Jessica Lynn Will

#### MASTER OF

LIBRARY SCIENCE Hannah Kristina Benchik Bradan Cannon Allison Marie Coffey Samantha Joy Foster Katherine Frawley Wayne Hastings Nicholas James Havens Yilin La Taylor Shannon Strong Abigail Suddarth Ean Teague Heidi Summers Yarger

MASTER OF SCIENCE IN BIOINFORMATICS Supriya Bidanta

MASTER OF SCIENCE IN COMPUTER SCIENCE

Mana Agrawal Hardik Asnani Brooke Serena Martin Augustine Devendra Reddy Balankari Aqsa Abdulrauf Bhimdiwala Harshitha Biligere Harish Navakanth Boyina Tate Joseph Clendening Chenchao Ding Lakshmi Sai Hanuhitha Dondapati Anirudh Prem Kumar Emani Bhanu Prakash Reddy Gaddam Payal Ghorpade Aidan John Goodfellow Yashvanth Kumar Guntupalli Pooja Hegde Bhushan Sanjay Khope Himanshu Prabhakarrao Kolse Sai Prasanna Kumar Kommuri Ujwala Kuchuru Tanvi Kulkarni Yichuan Li Anurag Goud Lingala Vinay Chandra Makineni Nikhil Malisetty Samhitha Malyala Shanthan Reddy Muddasani Kiran Gurunath Naik Pranathi Neerudu Sushmitha Nekkalapudi Yuhan Ni Sripal Reddy Nomula Lalit Pandey Venkata Indu Bhanu Pothineni Sai Surva Suhas Reddy Pulagam Sumukha Gargesh Pulipak

Jayat Rateria Revanth Sai Chowdary Rayala Venkata Surendra Reddy Harsha Renkila Madhurupa Samaddar Darshal Chandrashekar Shetty Pavan Kalyan Thota Harun Tuncay Rahul Suresh Ubale Saicharan Vancha Sahithi Vasireddy Kumar Vinayak Sandy Lauren Wheeler Qingyang Xiao

MASTER OF SCIENCE IN DATA SCIENCE Hadi Abbas Sowmya Priya Anumolu Sravya Arutla Mariah Nicole Benham Qing Chai Pranay Chopra Sahil Dhingra Deepak Duggirala Zevnep Elabiad Kyle Thomas Firestone Niharika Ganji Carolyn Havthorn Keerti Kolakaluri Thomas Koutsidis Gabriel Adam Levy Shreshtha Harikishan Mankala Abu Bakar Ali Khan Mohammad Siva Sindhu Naini Julia Hoa Nguyen Vandana Panth Aastha Ketankumar Patel Nicholas Matthew Perry Vaishnavi Rajini Mohan Devna Ramesh Mackenzie Ross Hajar Sadeghi Rishika Samala Sneha Satish Jared Andrew Schlak Seth Smithson Sravya Vujjini Olga Vyrvich Lori Leigh Wasson Anne Wesley Donghui Zhou

MASTER OF SCIENCE IN INTELLIGENT SYSTEMS ENGINEERING Dene Absher Alexander Fuerst Sai Suraj Karra Ramki Ramamurthy Matteo M. Vidali

#### MASTER OF SCIENCE IN SECURE COMPUTING Darshil Dhiraj Chheda Madhay Mehta

Recipients of Doctor of Philosophy degrees are listed under the Indiana University Graduate School Blooomington, pages 29–33.

DOCTOR OF JURIDICAL SCIENCE Ahmad Abdulkhaliq Alamri Qin Chen Ahmed Saleh A. Enani Hwi Won Kim Chieh Li Pai

**Maurer School** 

MASTER OF LAWS

Nattarin Wattanatornnan

of Law

Prynn Kasemsup

Isara Santipong

DOCTOR OF JURISPRUDENCE Allison Marie Coffey Franklin Hunt-Gonzalez HongYoung Jeon Trevor Jones Alexander Mischke

#### Jacobs School of Music

#### BACHELOR OF MUSIC

Nicholas Riley Adkins Ian Cheung Joseph Chrisman Justin William Clark Alexis Ruth DePaolo Alexander James Farrar Wynton Curtis Auden Gage Owen Louis Gordon With High Distinction Homer Bryce Holt Anthony Josep Cameron Gareth Patrick MacLean-Kennedv Seo Hee Park With Distinction Maeve Elizabeth Whelan With High Distinction Hans-Derek Yu With Highest Distinction

BACHELOR OF MUSIC EDUCATION Delaney Lynn Ruble

#### BACHELOR OF SCIENCE

IN AUDIO ENGINEERING AND SOUND PRODUCTION Justin Donovan Berish Seth Jacob Goot

BACHELOR OF SCIENCE IN BALLET Benjamin Bradley Streetman

#### BACHELOR OF SCIENCE

IN MUSIC AND AN OUTSIDE FIELD Felicity Emily Kratky Tierney Della Solmo

#### MASTER OF MUSIC

Colin Anderson Michelle Marina Linnea Astorsdotter Kelsea Breanne Au Jeonghee Bae Peter Bye Kejin Chen Aleksandra Julia Czerniecka Michael DeLano Deshield Ebenezer Eserowve Eferobor Arienne Andrea Fort Cannock Yuntong Han Gabriel David Hernandez Hyrum Thomas Kohler

Grace Lerew Gina S. Lincoln Clint McClanahan Matthew Rene Perez Brandi Michelle Quinn **Emily Christine Rich** Soroush Sadeghi Elizabeth Scarlett Jun Jie Edmund Song Alex Brian Tedrow Alexander Nathan Toth Chian-Yi Tsai Charles Javier Vega Yen-Chun Wang Leah C. Warman Siyi Yan

#### MASTER OF MUSIC

EDUCATION Tiffany Nicole Bowen Danae Lee Pick Redick

#### MASTER OF SCIENCE

IN MUSIC EDUCATION Emma Goulet Taylor E. Lewis Perri Elizabeth Smith Alex Brian Tedrow Yen-Chun Wang

ARTIST DIPLOMA Daeun Han

#### PERFORMER DIPLOMA

Daesung Choi Olivia Catherine Hunt Jimin Hwang Conner John McWhirter Tzu-Wei Wang

#### DOCTOR OF MUSIC

Eun Jin Bang Major: Piano Literature and Performance Final Project: Transcribing a Piano Concerto: Exploring the Solo Piano Version of Franz Liszt's *Totentanz* Research Director and Chair: Emile Naoumoff

Steven Vincent Berlanga Major: Choral Conducting Final Project: Historical Forms and Styles in the Choral Music of Paul Hindemith: An Analysis of When Lilacs Last in the Dooryard Bloom'd Research Director and Chair: Betsy Burleigh Benjamin Keith Bradshaw Major: Bassoon Literature and Performance Final Project: A Bassoonist's Guide to Interactive Electroacoustic Music Research Director and Chair: William Ludwig

Ju-Min Chao Major: Cello Literature and Performance Final Project: An Analytical Study of String Quartets by Mieczyslaw Weinberg and Dmitri Shostakovich

Research Director and Chair: Brandon Vamos

Rachel Yu Chen Major: Piano Literature and Performance Final Project: Understanding and Teaching Students with Autism Research Director and Chair: David Cartledge

I Ping Chiu

Major: Horn Literature and Performance Final Project: Progressive Orchestral Etudes: Repertoirespecific Exercises for Horn Research Director: Richard Seraphinoff Chair: Jeffrey Nelsen

Jihye Choi Major: Organ Literature and Performance Final Project: Three Faces of the Organ Étude Research Director and Chair: Janette Fishell

Curtis Lee Crafton Major: Voice Literature and Performance Final Project: Normas Para Boa Pronúncia da Língua Nacional No Canto Erudito: A Translation and an Updated Critical Edition Research Director and Chair: Gary Arvin Grant Lewis Farmer Major: Choral Conducting Final Project: Development of Choral Tone Through a Vocology Lens: Using Informed Language in Rehearsal to Achieve Desired Effects Research Director: Brian Gill Chair: Carolann Buff

Micah Robert Fleming Major: Early Music Baroque Violin Final Project: The Ethnic Villancicos of Gaspar Fernandez: Performing in a Modern World Research Director: Dana Marsh Chair: Stanley Ritchie

Samuel Carson Myhre Grace Major: Choral Conducting Final Project: Choral Music and Gatekeeping Theory: A Model for Ethical Practicies Research Director and Chair: Dominick DiOrio

Pak Lok Alvin Ho Major: Orchestral Conducting Final Project: A Conductor's Guide to Interpreting Beethoven's Ninth Symphony Research Director and Chair: Arthur Fagen

Josué Andrés Jiménez Morales Major: Tuba Literature and Performance Final Project: An Insight and Comparison on Selected Standard Undergraduate and Graduate College Audition Repertoire for the Tuba Research Director and Chair: Daniel Perantoni

MinJi Kim Major: Violin Literature and Performance Final Project: Sunnam Kim, Forgotten Korean Composer of the Korean War and His Violin Song *Early Spring* Research Director: P. Q. Phan Chair: Mark Kaplan

Kaden Larson Major: Piano Literature and Performance Final Project: Transcendental Transcriptions: A Case for Eight Hands Research Director and Chair: Norman Krieger Melinda Ann Leoce Major: Percussion Literature and Performance Final Project: Percussion for the Non-Percussionist: A New Approach to the Methods Course Research Director and Chair: John Tafoya

Dominic Joseph Muzzi Major: Piano Literature and Performance Final Project: *Four Reflections*: A Worthy Addition to the Modern Performing Pianist's Repertoire Research Director and Chair: David Cartledge

Andrew Sang-Woog Sohn Major: Piano Literature and Performance Final Project: Schumann's *Carnaval*: A Product of Romanticism Research Director and Chair: Emile Naoumoff

Jonathan Spandorf Major: Orchestral Conducting Final Project: Orchestrating Schoenberg's Variations on a Recitative Research Director and Chair: Arthur Fagen

David Ryan Tahere Major: Voice Literature and Performance Final Project: An Examination of Māoritanga in Dame Gillian Whitehead's *Mate Ururoa* Research Director: Judah Cohen Chair: Wolfgang Brendel

Eleni Antonia Taluzek Major: Voice Literature and Performance Final Project: The American Pedagogy of Byzantine Chant Research Director: Brian Gill Chair: Timothy Noble

Carmund Theodore White Jr. Major: Voice Literature and Performance Final Project: Tenor Transitions: Three Pedagogical Approaches Research Director and Chair: Timothy Noble Benjamin Kaing Yee-Paulson Major: Composition Final Project: American Symphonic Journeys Research Director and Chair: Han Lash

Chao Jeng Yu Major: Piano Literature and Performance Final Project: A Study of Style and Pedagogy in Béla Bartók's *Mikrokosmos* Research Director and Chair: Evelyne Brancart

Recipients of Doctor of Philosophy degrees are listed under the Indiana University Graduate School Blooomington, pages 29–33.

#### School of Nursing

**BACHELOR OF SCIENCE** IN NURSING Adi Ahmetspahic Dawson Matthew Ames Jessica Christine Baker Lilvan Mae Bryant With Highest Distinction Emma Suzanne Hamilton Jessica Shaine Jordan Ruchika Khanna Nicole Elizabeth Kilzer Yuliya Kim With Highest Distinction Caitlyn Lee Francisca Jennifer Rivas Catherine Elizabeth Ryan Sierra Rose Ryan Makayla Chevenne Swinford

Amanda Lynn Tomasikiewicz

Claire Catherine Wilhelm

Elijah Tunstall

Courtney Waskow

Alexandria Woertz

#### Affairs BACHELOR OF ARTS Romey Lee Bell Andrew William Kloss

**O'Neill School** 

Environmental

of Public and

Eva Milner Ladd With Highest Distinction Delia Novak Kennedy Shea Reardon With Highest Distinction Ashley Nicole Stout Audra Ann Stuck With Distinction Samuel Graham Thomas Samantha Willey

#### BACHELOR OF SCIENCE

IN ARTS MANAGEMENT Bennett Reeves Henry Eric Benjamin Jaacobi Regan Kathleen Mehling Keannah Lanay Waddell

#### BACHELOR OF SCIENCE IN ENVIRONMENTAL

SCIENCE Ty Allen Bogemann Franklin Hou Regan Bailey Mangrum *With Highest Distinction* Kelly Benjamin Price Adam Michael Russell

#### BACHELOR OF SCIENCE

IN HEALTHCARE MANAGEMENT AND POLICY Oluwanifemi Gift Anikoh Paxon Graham Bartley Abigail Jane Burns Preston Deonte Davis David S. Delfiner Christopher A. Denardis Alayna R. Eismin Joslynn Ann Margaret Funnell Mark P. Gemmer Helen Iang With Distinction Anahy Jimenez Shannon Jo Klompmaker Giang Le Carson David Bruce Livingston Tahiya Binte Mahbub Shreva Natesh Allie Marie Semler With Highest Distinction

Christopher John Seydel Avery Ross Whitten Lucas James Wynne

#### BACHELOR OF SCIENCE

IN PUBLIC AFFAIRS Cassandra Lynn Allen Olivia Grace Andrews Ciera Christine Belter Kelly Elizabeth Berry Allison Christine Bielawa Kennedy Bland Zack Guernsey Blumer With Highest Distinction Brenton Thomas Borlik Steven Boyajian Caitlin T. Brodwater Brooke Kaylyn Carr Matias Nicolas Carrillo Lewis Chandler Gabriella Marie Clark Christopher David Clegg Jared Andrew Cohen Kaci Craig David Dafiaghor Patrick Nyhan Daniels Michael David Dezelan Dakota Douglas East Ethan Conner Emsweller Antonio Eduardo Eraso Sofia Isabel Caroline Fitzgerald Rachel Ellen Fletcher Brian Christopher Gaffney Julie Anne Garcia Aaron J. Glaub Caden M. Golden Jackson Isaac Greene Benjamin Greller Hannah Harper Zane Higdon Breanna Lynne Hume Hannah Elizabeth Jackson Brady Christopher Jarosinski Jessica Rae Jeffries Olivia Marie Jones Mehul Sandeep Kamerkar Hunter Thomas Killion Cecelia Teresa Kincaid Shannon Marie Knudtson With Highest Distinction Erin T. Knutson Radhika Krishnamurthy Morgan Ashley Lawhorn Jackson David Lay Tianyi Liu Adam Christopher Lopez Grant Thomas Marker Katherine Rose Martin Andrew Chase Mattingly Brendon Michael McKinstry

Thomas McLaughlin

Thomas James McQuade Madison Iris Meriwether Macy Kaylin Millspaugh Julie Elizabeth Moriarty Shane Murdock Madelvn Kav Mustaine With Highest Distinction Alijah Oliver Brooklynn E. Pace With Highest Distinction Yash Bhupendra Patel Benjamin Yates Patterson Jackson Nolan Phillips Saagar Rishab Punjabi Gabriela M. Rodriguez Jonah M. Schrum Mia Grace Schul Brandon M. Sermersheim Leo Sheng Marina Mae Sigmund Paxton Delaney Smith Jillian Marie Smock Jiajing Song Nathan Alexander Stonecipher Mikele Marie Suman Bryan Sweitzer Erick Allyn Tidey Dana M. Weaver Benjamin Cavazos Williamson Yiyu Xie

#### MASTER OF ENVIRONMENTAL SUSTAINABILITY Mikki Steeves Rebecca Anne White

#### MASTER OF INTERNATIONAL AFFAIRS

Frances Pascale Clever Jacob Carlisle Crosley Anna Joy D'Souza Ndayishimiye Florence Maria Lucero Guillen Puon Braden Holt Margaret R. Klemsz Syuzanna Martirosyan Jarrett George McGuire

#### MASTER OF PUBLIC AFFAIRS

Thomas Agger Murtadha Alburayman Nya Linese Anthony Gillian Margaret Applegate Eavan Barbieux Reza Bayuaji Ashlynne Michelle Bender Joseph Bergin Stephen Michael Bessasparis

Annika Brown Allison C. Butrum Dasaya Rachelle Cates Nicole Elaine Chandler Shalom Chime Jill Marie Conniff Elizabeth Jane Curran-Groome Jamie Suzanne Davenport Michael Dutcher Alicia Cassandra Einfalt Elisabeth Susanne Enveart Kayla Elizabeth Fenning Samantha Nicole Goins Amado Gonzalez Matthew Thomas Gross Alison Rae Handy Delaney Jewel Hasselbring Joshua B. Hiller Hayley Renae Huntley Joanne Stephanie Joven Alexis Jurek Jonathan David Kim Leslie Ann Kutsenkow Emmanuel Kwakve Declan Christopher Lee Forrest Levy Michael Milner Mikayla Diane Moore Sabreen Jameelah Murray Mary Claire Noble Anthoney Chijioke Obasi Jose Fernando Oliva Anthony Ross Samantha Ryan Amalia Naomi Shifriss Emily Ruth Smitheram Eric W. Spitznogle Lance Turner Stark Benjamin Tally Madeleine Faye Thompson Gnagna Toure Jack Edward Turman III Kerry Tuttle Margaret Vaitkus Camille C. Verendia Seth L. Warnick Stephanie Marie Wiley Artikayara Yunidar Qidi Zhu

## MASTER OF SCIENCE

SCIENCE Thomas Agger Eavan Barbieux Stephen Michael Bessasparis Daniela Cala Nicole Elaine Chandler Elizabeth Jane Curran-Groome Jamie Suzanne Davenport Kayla Elizabeth Fenning Matthew Thomas Gross Alison Rae Handy Delaney Jewel Hasselbring Havley Renae Huntley Joanne Stephanie Joven Alexis Jurek Jonathan David Kim Emmanuel Kwakye Declan Christopher Lee Forrest Levy Mary Claire Noble Michael Benjamin Pence Matthew Shuwal Madeleine Faye Thompson Margaret Vaitkus Camille C. Verendia Oidi Zhu With Distinction

#### MASTER OF SCIENCE IN HEALTHCARE MANAGEMENT Blake Austin Castetter Ritza Garcia Sabrina V. Vandergriff

Recipients of Master of Arts and Doctor of Philosophy degrees are listed under the Indiana University Graduate School Blooomington, pages 29–33.

#### School of Public Health

#### BACHELOR OF SCIENCE IN APPLIED HEALTH SCIENCE

Mesha Suzann Ashby Olivia Noelle Beardslee Kiley Diane Bouvier Carolyn J. Cvelbar Jadiyah Angelee Davis With Distinction Maret Elizabeth Duffey With Highest Distinction Ryan Arnold Gold Zetta Deloris Gore With Highest Distinction Jazmin Araceli Hernandez Honey Kingbawl With Distinction Olivia Meek Melissa Anne Meils RaeShawn D. Norfleet Jackson Cade Ragains With Distinction Gabriele Sarhece Rasdall

#### BACHELOR OF SCIENCE

IN KINESIOLOGY Thomas Million Adams Aron Emiliano Aleman-Moreno Madison Maryjoy Alfonso With Distinction Gavin Robert Amburn With Highest Distinction Robert Austin Benjamin Michael Barnhart Sean Patrick Barrett Elliot David Barton Cole Jacquard Behringer Zachary M. Behrmann With Highest Distinction **Ouinton Bolander** James Matthew Bomba With Distinction Michael Bowen Charles Andrew Breedlove Thomas R. Britton Brandon Martin Buckman Jacob Ross Bullock Jr. Emily A. Cobb With High Distinction Daesha Lanae Cottrell Cole M. Courtney With Distinction Ariana Alyse Cowper With Highest Distinction Mason Patrick Dargis With Distinction Parker Shute Denney Jacob Eduard deVarona

With High Distinction Kaelin G. Elsner With High Distinction Jackson Reid Erekson Ruth Graciela Fackson With Distinction Wyatt Gates Flake With Distinction Ethan Price Fleischer Kyle Allen Gilmack Blake Austin Goines With High Distinction Joseph Brooks Gradison Seth F. Gramling With High Distinction Kennedy Alexandria Grieve Dillon Wavne Griffin With High Distinction Madison Rose Guyer Peter Mills Haigerty McGuire Grey Heacock Grace Mackenzie Higginbotham With Distinction Anna L. Hinkle Joseph W. Hull Austin Philip Jarvinen Mason Lee Jones Benjamin Philip Joseph With High Distinction Lily Marie Kamras Jordan Russell Kaplan With Distinction Alexis Erika Karwowski Caleb Joseph Kavanaugh Kavlie Jazmine Kemp Tanya Margaret Koomjohn With Distinction Cade Robert Kronemyer Joseph Kweder Jordyn Lando Jackson Edward Lantz Calvin L. Larkin Austin Levine Samantha Morgan Loggan With High Distinction Brian J. Mars Donovan Quenton McNeal Ezra Josiah Miller **Reylin Renai Mimms** Justis Mitchell Alex M. Mueller Hunter Nard Conor Mills Nash Nathan Natalie Anthony Michael Nemeti Christopher Roy Nicknish Jr. With Distinction Maria Guadalupe Nino Guzman Chloe Lorene Olejnik With Distinction Amanda R. Palmer

Paige Alexandra Dwyer

Gino Panici Andrew A. Rhodes II Kevin Rivera-Pinhao Madilynn Tate Rooze Brooke Satterfield Ethan Schramm Julia Melissa Schwarzmann With Distinction Alec Christopher Sepaniak Matthew C. Skirvin Harris Arthur Sonnenklar Jack Albert Specius Taylor Renee Storm Makayla Cheree Terrell With Distinction Brody Jay Tisdale Jan Tomaszewski Katelynn Marie Vaughn Stephen Walker II Chuanteya N. Weaver Jonathan Weiselberg Matthew Charles Whitesell James McKee Whittemore With Hiah Distinction Trace Robert Willman Bryce Dean Wogomon Bryce Andrew Wolff With Distinction Abigail Woods Adam Sofiane Zareb

#### BACHELOR OF SCIENCE IN PUBLIC HEALTH COMMUNITY HEALTH Isabel Blythe Alexander *With High Distinction* Gabriela Avila Dresden Dunmire Emma LeeAnn Gagnon Sophia Giglio Brooke Victoria Lyngholm Katie Lynne May

Tinotenda Mutungambera Sophia Gwen Naberhaus Marley Grace Owen *With High Distinction* Payal Patel Joanna Janet Ramon-Verde Sarah Raven Chloe Jean Scales Cole M. Steger Escarvar Xavier Tatum Hunter Edmund Torres

With High Distinction

Zoe Mykelle Morrow

BACHELOR OF SCIENCE IN PUBLIC HEALTH ENVIRONMENTAL HEALTH Ethan T. Huffman

#### **BACHELOR OF SCIENCE** IN PUBLIC HEALTH EPIDEMIOLOGY Roxanne Christine Legge Ricky Jordan Salgado Ini-Abasi Faith Udoh

#### **BACHELOR OF SCIENCE** IN PUBLIC HEALTH FITNESS AND WELLNESS Luke Alexander Miles

#### **BACHELOR OF SCIENCE**

IN RECREATION Brianna Nicole Bryant Adrianna M. Cheek Destinee Clayton Anna Mae Clodfelter With Highest Distinction Kaley Elizabeth Daughhetee Quanesha Quincy Davis Kimberly Michelle Good Megan Hemmings Kylee Elizabeth Hixenbaugh With Distinction Mollie Maxine Hutchings Megan Elizabeth Kapp Mallory M. King Emma Elizabeth Lantz Taylor Lin Marshall With High Distinction Alexis Nikole McDonald Jacob Matthew Pilarski With High Distinction Julia Rose Ramirez Katelyn Elizabeth Riedinger Javenique Ja Quice Roberts Molly Hannah Rosen Diamond Rosenthall Gianna Rae Scaduto With High Distinction Samuel Paul Smith Rocco Paul McNutt Tedesco With Distinction Meadow Lorayne Zolman With Distinction

#### MASTER OF

PUBLIC HEALTH Jeffrey Grant Kathleen Ann Grauvogel Sarah Jane Greeven Claire Elizabeth Walker Griffith Kyle B. Moore Teresa Stevie Leah Morris

MASTER OF SCIENCE IN APPLIED HEALTH SCIENCE Daniel W. Lingle Abdelmuezz Osman Zeidan

#### MASTER OF SCIENCE IN KINESIOLOGY

Justin Lee Collett Katherine Nicole Noakes Andrea Gabrielle Wilk

#### MASTER OF SCIENCE

IN RECREATION Matthew Burne Jonas Schulz Ely Allison L. Ferguson Danielle Foster Bailey C. House Barakaeli Kundaeli Mbise Margaret Anne Olofson Hannah Jo Rodrick Tom C. Schimel Jr.

Recipients of Doctor of Philosophy degrees are listed under the Indiana University Graduate School Blooomington, pages 29-33.

#### School of Social Work

MASTER OF SOCIAL WORK Amy Marie Barthold

#### Indiana University **Graduate School** Bloomington

MASTER OF ARTS Eduardo A. Acaron-Padilla Major: Central Eurasian Studies

Jennifer Ann Andrus-Daley Major: English

Nya Linese Anthony Major: African American and African Diaspora Studies

Angela Joy Bailiff Major: English

Ekaterina Baldina Major: Sociology

Sonia Cani Major: Italian

Yi No Chen Major: Chinese

Meghan Elizabeth Cooper Major: Arts Administration

Major: Arts Administration

Major: Middle Eastern Languages and Cultures

Major: Middle Eastern Languages and Cultures

Jeremy Dickinson Major: Spanish

Major: Arts Administration

Nicholas James Havens Major: Central Eurasian Studies

Major: TESOL and Applied

Nadav Kohen Major: Mathematics

#### Zackary Leech **Major: Linguistics**

Piper Jasmen Majors Major: Criminal Justice

Alireza Marahel Major: Economics

Margaret McCool Major: History

Timothy Thomas McGowan Major: International Studies

Mikayla Diane Moore Major: Arts Administration

Alexandra Marie Nickolaou Major: Art History

Alp Eren Pirli Major: English

Adam Lee Poole Major: Political Science

Guosheng Qu Major: Central Eurasian Studies

Holly Ann Redman **Major: Linguistics** 

Marie Rider Major: Russian and East European Studies

Samantha Ryan Major: Arts Administration

Dominic Scott Major: African American and African Diaspora Studies

Andrea Serje Martinez Major: Arts Administration

Ellen Taraskiewicz Major: History

Emma Rose Thorp Major: Political Science

Jordan Turner Major: English

Seth L. Warnick Major: East Asian Studies

Ethan P. Weiland Major: Sociology Yutong Wu Major: Arts Administration

Mollie Ella Yanders Major: Political Science

Eujin Yang Major: East Asian Studies

Heidi Summers Yarger Major: Folklore and Ethnomusicology

MASTER OF ARTS FOR TEACHERS Timothy Eldon Barr Major: Political Science

Cole Kuszmaul Major: Chemistry

Elise Katherine Tiller Major: French

Maura Danielle Van Deventer Major: Biology

MASTER OF FINE ARTS Annalise Cain Major: Theatre and Drama

#### MASTER OF SCIENCE

Finley Jane Andrew Major: Microbiology

Jayson Ryan Eldridge Major: Geological Sciences

Caleb Fifer Major: Geological Sciences

Rachel Filippone Major: Applied Statistics

William John Holdhusen Major: Physics

Mohammad Rubaiat Islam Major: Geological Sciences

Bryan Alif Julijanto Major: Biotechnology

Kyungroak Kang Major: Applied Statistics

Hamzah Khan Major: Biotechnology

Namyoon Lee Major: Chemistry

Aleksandra Julia Czerniecka

Christopher Daniel Davidson

Elissa Mary Trang Day

Major: Linguistics

Victoria DiMartile Major: Anthropology

Lucas Esteves

Jordan Elsebeth Hussey-Andersen Linguistics

#### Yan Li Major: Chemistry

Xuechang Liu

Major: Geological Sciences

Sheeza Kauser Shaik Major: Biotechnology

Thomas R. Stucker Major: Economics

Yusur Akram Subhi Major: Biotechnology

Jordon N. Winn Major: Genome, Cell, and Developmental Biology

MASTER OF SCIENCE IN CYBERSECURITY RISK MANAGEMENT Aniket Bharat Aashra Kyle Dearing Alexander William Piegsa

#### MASTER OF SCIENCE IN QUANTUM INFORMATION SCIENCE Anurag Dwivedi

DOCTOR OF PHILOSOPHY

Abdul Aijaz Major: English Major: Geography Dissertation Title: The Vital Machines: Water Scarcity and Hydrosocial Assemblage in Punjabi Research Chairs: Purnima Bose and Rebecca Lave

Benjamin Ale-Ebrahim Major: Anthropology Dissertation Title: Observational Discipline: Negotiating Technology, Surveillance, and Belonging within Middle Eastern and Muslim Queer Communities in the United States Research Chair: Jane Goodman

Abdulrahman Saleh A. Alhayyan Major: Curriculum and Instruction Dissertation Title: Teacher Questioning: Examining Question Types, Depths, and Factors Influencing What Teachers Ask Research Chair: Erik Tillema Laila Abdulwahab Aljumah Major: Special Education Dissertation Title: Teachers' Reported Implementation of Effective Behavioral Strategies for Students with Attention Deficit/ Hyperactivity Disorder Research Chair: Ana Marie Brannan

Dmitrii Avdiukhin Major: Computer Science Dissertation Title: New directions in Distributed and Constrained Non-Convex Optimization Research Chair: Amr Sabry

Johnathan Edwin Avery Major: Cognitive Science Major: Psychology Dissertation Title: Structure and Retrieval in Semantic Memory Research Chairs: Robert Goldstone and Michael Jones

Emily Michelle Baumgart Major: Musicology Dissertation Title: Music Ficti: Fictional Musicians on Screen and Their Control over Narrative through Diegetic, Nondiegetic, and Metadiegetic Musics Research Chair: Peter Burkholder

Samantha Sue Bettinger Major: Health Behavior Dissertation Title: Individual Assessment on Vaping Cessation and Other Vaping Beliefs in College Students at Indiana University Research Chair: Dong Chul Seo

Taryn Bosquez-Berger Major: Neuroscience Major: Psychology Dissertation Title: Impact of μOR-Negative Allosteric Modulators on Cellular, Behavioral, and Molecular Aspects of Fentanyl Signaling Research Chairs: Heather Bradshaw and Andrea Hohmann

Michael Charles Bryant Major: Germanic Studies Dissertation Title: The Mythotopia of the Berliner Verkehrsbetriebe Research Chair: Benjamin Robinson Angela Helen Burgess Major: Curriculum and Instruction Dissertation Title: How Do Young People with Developmental and/ or Intellectual Impairments Connect with Nature during Nature-Emersed Education Research Chair: Gayle Buck

Yusuf Canbolat Major: History, Philosophy, and Policy in Education Dissertation Title: Does Policy Design Matter for School Choice Reforms: Essays on Educational Equity and Quality Research Chair: Christopher Lubienski

Patrick James Carmody Major: Biochemistry Dissertation Title: Modulation and Effects of -1 Programmed Ribosomal Frameshifting during Integral Membrane Protein Biosynthesis Research Chair: Jonathan Schlebach

Chavan Malintha Tharu Fernando Chakravarthige Major: Intelligent Systems Engineering Dissertation Title: Cooperative Multi-Agent Autonomy for Decision-Making in Heterogeneous Aerial Fleets under Communication Uncertainties Research Chair: Martin Swany

Ying-Chih Chuang Major: Biochemistry Dissertation Title: Adenine Cross-Feeding in a Bacterial Community Research Chair: Jake McKinley

Shawn D. Conner Major: History, Philosophy, and Policy in Education Dissertation Title: Admittedly Marginalized: Exhibitions of the Discourse of Affirmative Action on the Admissions Websites of Elite Universities in the United States and Brazil Research Chair: Bradley Levinson Amanda Leigh Coughlin Major: Physics Dissertation Title: Chemical Vapor Deposition and Correlated Characterizations of Nanostructured Metal Chalcogenides and Oxides Research Chair: Shixiong Zhang

Jin Dai Major: Microbiology Dissertation Title: Role of Rotavirus NSP1 and VP3 in Evasion of Host Antiviral Innate Immunity Research Chair: John Patton

Gabriel Jesus Escobedo Major: Anthropology Dissertation Title: Latino Youth Dance Culture: An Examination of Identity Formation through Dance in Dallas/Fort Worth, Texas Research Chair: Anya Royce

John Lewis Ferrand Major: Health Behavior Dissertation Title: Using the Consolidated Framework for Implementation Research to Address the Barriers and Facilitators of Pre-Exposure Prophylaxis Research Chair: Eric Walsh-Buhi

Jesse Adam Fivecoate Major: Folklore and Ethnomusicology Dissertation Title: Haunted Histories: An Historical Ethnographic Study of Ghost Narratives in Ireland and Northern Ireland Research Chairs: Ray Cashman and Diane Goldstein

Megan Kate Freiler Major: Evolution, Ecology, and Behavior Dissertation Title: Social Environment Modulates the Function and Neuroendocrine Regulation of Electrocommunication Signals across Species of Apteronotid Fishes Research Chair: G. Troy Smith Nickolaus Hartwell Gastil Major: Counseling Psychology Dissertation Title: Social Circles and Their Influence on Seeking Recovery for Substance Use Disorders in Rural Communities Research Chair: Ellen Vaughan

Kirby Evers Haugland Major: Musicology Dissertation Title: Bringing Opera to Saxon Audiences in the Age of Napoleon, 1800–1817 Research Chair: Kristina Muxfeldt

Erin Nicole Hennessey Major: Art History Dissertation Title: Inventing the Pictorial Landmark: The Schongauer "Death of the Virgin" and Its Reception Research Chair: Bret Rothstein

Manyan Huang Major: Epidemiology Dissertation Title: Gene-Based Association, Gene-by-Gene Interactions, and Multi-Omics Risk Prediction of Congenital Heart Defects Research Chair: Ming Li

Ting-Yen Huang Major: Leisure Behavior Dissertation Title: Slow Tourism Experience: Scale Development and Model Testing from Tourists' Quality of Life and Health Perspectives Research Chair: William Ramos

Laura Congreve Hunter Major: Astronomy Dissertation Title: Timescales of Stellar Feedback Driven Turbulence in the Interstellar Medium on Local Scales Research Chair: Liese van Zee

Curteisha LeeAnn Jacobs Major: Genome, Cell, and Developmental Biology Dissertation Title: HSF1 Excludes CD8+ T cells from Breast Tumors via Suppression of CCL5 Research Chair: Richard Carpenter Sian Jin Major: Intelligent Systems Engineering Dissertation Title: Scaling HPC Applications through Predictable and Reliable Data Reduction Methods Research Chair: Dingwen Tao

Susan Kavaya Major: Health Behavior Dissertation Title: Gender-Based Violence and Sexual Risk Behaviors That Contribute to HIV Risk among Adolescents in Kenya Research Chair: Alison Baker

Krista M. Kulesa Major: Chemistry Dissertation Title: Nitrogen Cycle Electrochemistry: New Strategies in Redox-Mediated Transformations and Electrosynthesis Research Chairs: Lane Baker and Jeremy Smith

Kemol Robert Lloyd Major: Curriculum and Instruction Dissertation Title: Examining the Relationship between University Associate Instructors' Facilitation Techniques and University Students' Thinking during Mathematics Discussions Research Chair: Enrique Galindo

Asher Lubotzky

Major: History Dissertation Title: Before the Apartheid Analogy: South African Radicals and Israel/ Palestine, 1940s–1970s Research Chairs: Alex Lichtenstein and Michelle Moyd

Alifu Mierxiati Major: Anthropology Dissertation Title: The Uyghur Reality: Genocide in the Homeland, Survival in the Diaspora Research Chair: Philip LeSourd Ludovic Vetea Mompelat Major: French Major: Linguistics Dissertation Title: To Infinitive and Beyond, or Revisiting Finiteness in Creoles: A Contrastive Study of the Complementation Systems of Martinican and Haitian Creoles Research Chairs: Sandra Kuebler and Kevin Rottet

Jennifer Parker Monger Major: Literacy, Culture, and Language Education Dissertation Title: Attuning to Multimodal Literacies in Teacher Education: A Case Study Analysis of Preservice Teachers' Aesthetic Reader Responses to a Wordless Picture Book Research Chair: Karen Wohlwend

Margaret L. Morley Major: Anthropology Dissertation Title: From Vibration to Visual Aesthetics: Political Economies of Attention in Cairo's Contemporary Belly Dance Industry Research Chairs: Shane Greene and Anya Peterson Royce

Michelle Nicole Murphy Green Major: Neuroscience Major: Psychology Dissertation Title: Maturation of the Endocannabinoid System in the Medial Prefrontal Cortex and the Effect of Perinatal Cannabinoid Exposure Research Chairs: Hui-Chen Lu and Ken Mackie

Amy Janet Núñez Major: History, Philosophy, and Policy in Education Dissertation Title: "I Wish They Knew We Existed": The Academic Experiences of Latinx College Students in Mixed-Status Families Research Chair: Sylvia Martinez

Vic Overdorf Major: Gender Studies Dissertation Title: Queer Alcatraz: The Heteronormative Carceral State and Alcatraz's Hidden Homosexual Prisoners Research Chair: Colin Johnson Thomas Konstantine Pappas Major: Classical Studies: Latin and Greek Dissertation Title: What a Tangled Web They Wove: Network Theory and Aegean Interstate Relations in the Fourth Century BCE Research Chair: Eric Robinson

Brooke Peckenpaugh Major: Evolution, Ecology, and Behavior Dissertation Title: Mechanisms and Evolutionary Consequences of Cryptic Female Choice in Drosophila Research Chair: Leonie Moyle

Casey Marie Pennington Major: Literacy, Culture, and Language Education Dissertation Title: Narrating Neighborhoods: Children Restorying Historically Segregated Places Research Chair: Karen Wohlwend

Andrea Jo Phillips Major: Curriculum and Instruction Dissertation Title: Examining Influences on Elementary Teachers' Transfer of Learning from a Science Professional Development Program Research Chair: Meredith Park Rogers

Zhongqing Ren Major: Genome, Cell, and Developmental Biology Dissertation Title: Organization of the Multipartite Genome in *Agrobacterium tumefaciens* Research Chair: Xindan Wang

Stefan Josef Richter Major: Business Dissertation Title: Examining Firms' Use of Employee-Related Tax Incentive Disclosures to Communicate Human Capital Information Research Chairs: Sonja Rego and Bridget Stromberg Gina Gabriele Romano Major: Qualitative and Quantitative Research Methodology Dissertation Title: Strongly Disagree or Strongly Agree: Evaluating Equivalence Testing for Measurement Invariance Procedures with Ordinal Data Research Chair: Leslie Rutkowski

Siwarak Ruangsakul Major: History and Philosophy of Science Dissertation Title: The Quest for Autonomous Scientific Discoveries with Artificial Scientists Research Chair: Amit Hagar

Chelsey Raquel Ruark Major: School Psychology Dissertation Title: Retrospective Perspectives of Adults Previously Hospitalized as Minors: An Exploration of Impacted Functioning, Support Involvement, and Intervention Individualization Research Chair: David Shriberg

Brian Schack Major: Computer Science Dissertation Title: Case-Base Maintenance beyond Case Deletion Research Chair: David Leake

Jill Allison Wheeler Scott Major: Literacy, Culture, and Language Education Dissertation Title: Making Stories: Decentering Print with Maker Literacies Workshops Research Chair: Karen Wohlwend

Alexander Shroyer Major: Intelligent Systems Engineering Dissertation Title: Deep Learning for Obfuscated Code Analysis Research Chair: Martin Swany

Rosemary Ellen Steup Major: Informatics Dissertation Title: Datafication and Attunement in Farming and Dementia Care Research Chairs: Nathan Ensmenger and Norman Makoto Su Brandon Stokes Major: African American and African Diaspora Studies Dissertation Title: A Divided Bronzeville: How Race and Class Created Separate Housing Institutions for African Americans in the Black Metropolis Research Chair: Jakobi Williams

Quinton Gerard Stroud Major: History, Philosophy, and Policy in Education Dissertation Title: A Seat at the Table: A Multiple Streams Analysis of Opportunities and Challenges in Contemporary Arts Education Policymaking Research Chair: Dionne Danns

#### Le Su

Major: Epidemiology Dissertation Title: Body Size over the Life Course and the Risk of Colorectal Cancer in Postmenopausal Women Research Chair: Juhua Luo

Montserrat Beatriz Valdivia Medinaceli Major: Qualitative and Quantitative Research Methodology Dissertation Title: Addressing Current Methodological Challenges in ILSA's Transition to Adaptive Testing Research Chair: Leslie Rutkowski

Grace Regina Waitman Major: Learning and Developmental Sciences Major: Qualitative and Quantitative Research Methodology Dissertation Title: Melodic Interventions: Investigating Elementary Students' Constructs of Identity in Group-Based Music Instruction Research Chairs: Barbara Dennis and Joshua Danish

Yang Wang Major: Chemistry Dissertation Title: Biomimetic Approaches to Biocatalyst Organization and the Role of Diffusion in Multistep Biotransformations Research Chair: Trevor Douglas Mary Josephine Woodruff Major: Evolution, Ecology, and Behavior Dissertation Title: How Behavior and Physiology Shape Organismal Responses to Heatwaves: An Experimental and Comparative Approach in Wild Birds Research Chair: Kimberly Rosvall

Taylor Joel Woodward Major: Neuroscience Major: Psychology Dissertation Title: Mice Lacking the Endocannabinoid-Synthesizing Enzyme NAPE-PLD Exhibit Sex-Dependent Dysregulations in Stress Adaptation Behaviors, HPA Axis Functionality, And Responsiveness to Oxycodone and Natural Rewards Research Chairs: Andrea Hohmann and Ken Mackie

#### Sen Yang

Major: Neuroscience Major: Psychology Dissertation Title: How Does Nicotinamide Mono-Nucleotide Adenylyl Transferase 2 (NMNAT2) Maintain Axonal Health in Cortical Glutamatergic Neurons? Research Chairs: Hui-Chen Lu and Ken Mackie

Zaiqiao Ye Major: Informatics Dissertation Title: Sustainable HCI: Fashion Minimalism and Human-Robot Companionship Research Chairs: Eli Blevis and Selma Sabanovic

#### Lan Yu

Major: Linguistics Dissertation Title: The Perceptual Cue Weighting of English Tense-Lax Vowel Contrasts by First Language (L1) and Second Language (L2) Speakers of English Research Chair: Kenneth de Jong

Shijing Zhang Major: Anthropology Dissertation Title: Incorrigible Optimists: Morality and Agency among Youth-Led Grassroots NGOs in China Research Chair: Sara Friedman He Zhou Major: Linguistics Dissertation Title: Treebanking and Cross-Lingual Dependency Parsing for Xibe Research Chair: Sandra Kuebler

Yihan Zhu Major: Higher Education Dissertation Title: Career Development for Chinese Undergraduate International Students at a Four-Year U.S. Institution Research Chair: Cindy Ann Kilgo

# Ψ

## COMMEMORATE YOUR ACHIEVEMENT FOR A LIFETIME.



Proudly display your accomplishment with a custom diploma frame to look back on as you start the next journey in your life.

Shop online at herff.ly/iu

HERFF JONES.





# **CONGRATS, CLASS OF 2023!**

WE'RE PROUD OF YOU. BECOME AN ACTIVE PART OF THE WORLDWIDE NETWORK OF IU GRADUATES.

ALUMNI.IU.EDU





### INDIANA UNIVERSITY BLOOMINGTON

