INDIANA UNIVERSITY BLOOMINGTON

ONE HUNDRED NINETY-THIRD

COMMENCEMENT



FRIDAY, MAY 6, 2022

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

ONE HUNDRED NINETY-THIRD COMMENCEMENT

Indiana University Bloomington

Dear Graduates:

Congratulations on completing your advanced degree! This Commencement ceremony marks the culmination of your years of scholarly activity, diligent study, and exacting research. Let me add my best wishes to those of your family and friends whose love, encouragement, and faith have propelled you toward this wonderful day. The strength of that support helps all of us achieve our highest goals and deserves our deepest gratitude. Today is as much a day to share that gratitude as to celebrate.

Over the course of the years, it may have seemed as if this moment would never come. I am certain that each of you has faced challenges along the way, but I am equally certain that your professors and mentors have instilled in you skills in persuasion, reasoning, and critical inquiry that have helped you to overcome those challenges. Those are the very skills that will serve you best in a global environment of competition and change. With its many connections around the world, IU has helped prepare you to succeed in this environment.

With the completion of your graduate degree, you are extending the great traditions of Indiana University that have taken shape over more than two centuries. You and 750,000 other alumni are a proud and important part of this university's rich and living history. Wherever you go, Indiana University will always be your alma mater and will always welcome you back.

Again, congratulations and best wishes for the greatest success in the future.

Most sincerely,

Pamela Whitten President

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#iubgrad22

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.

ONE HUNDRED NINETY-THIRD COMMENCEMENT

GRADUATE CEREMONY

Simon Skjodt Assembly Hall Friday, May 6, 2022, 3 p.m.

PAMELA WHITTEN, President of Indiana University, Presiding

FANFARE Indiana University Herald Trumpeters

STUDENT PROCESSIONAL Indiana University Commencement Ensemble

Conducted by Jason H. Nam Assistant Professor of Bands Jacobs School of Music

PLATFORM PARTY PROCESSIONAL Fountain Trust Pipe Band

WELCOME President Whitten

THE STAR-SPANGLED BANNER Led by Olivia Catherine Prendergast

Master of Music, Jacobs School of Music

Class of 2022

CHARGE TO THE CLASS President Whitten

CONFERRAL OF DEGREES President Whitten

Assisted by Provost Rahul Shrivastav

and the Deans of the Schools (listed on page 5)

CLOSE President Whitten

HAIL TO OLD I.U. Led by Ms. Prendergast

RECESSIONAL Indiana University Commencement Ensemble

SEATING FOR DEGREE RECIPIENTS AND AUDIENCE

Students may be seated anywhere in the section(s) designated for their schools. Map is tentative and subject to change.

To Balcony

To Balcony

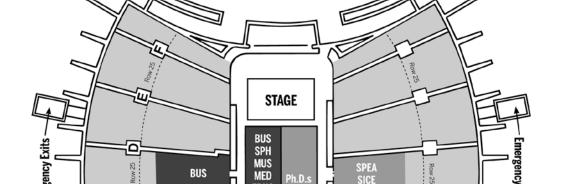
(more audience seating)

- SICE: Informatics, Computing, and Engineering **SPEA: Public and Environmental Affairs** Ph.D.s: Doctor of Philosophy **DOC: Doctorates outside the University Graduate School OPT: Optometry**
- BUS: Business **COLL: Arts and Sciences EDUC: Education** MED: Medicine MSCH: Media **MUS: Music** SGIS: Global and International Studies
- SOAD: Art, Architecture, and Design **SPH: Public Health** SWK: Social Work FAC: Faculty

To Balcony

(more audience seating)

AUDIENCE **Audience** Entrance To Balcony (more audience seating) **NORTH LOBBY** (more audience seating)



EDUC

COLL

MSCH SGIS

SOAD

SWK

Processional

SOUTH LOBBY

Audience

Entrance

Entrance >

FAC

DEGREE-GRANTING SCHOOLS

College of Arts and Sciences, page 11

Rick James Van Kooten, Executive Dear

Jane D. McLeod, Associate Executive

Paul Gutjahr, Associate Dean for Arts and Humanities and Undergraduate Education

Vivian Nun Halloran, Associate Dean for Diversity and Inclusion

Padraic Kenney, Associate Dean for Social and Historical Sciences and Graduate Education

Nicola Pohl, Associate Dean for Natural and Mathematical Sciences and Research

Eskenazi School of Art, Architecture, and Design-College of Arts and Sciences, page 16

Peg Faimon, Founding Dean Rowland Ricketts, Associate Dean

Hamilton Lugar School of Global and International Studies—College of Arts and Sciences, page 16

Nick Cullather, Interim Dean

John Hanson, Executive Associate Dean

The Media School—College of Arts and Sciences, page 17

Walter Gantz, Interim Dean Radhika Parameswaran, Associate Dean

Kelley School of Business, page 17

Idalene F. Kesner, Dean

Jamie Prenkert, Executive Associate Dean for Faculty and Research— Bloomington

Vijay Khatri, Associate Dean for Information, Instructional Technologies, and Academics

Laureen Maines, Associate Dean for Research

Ash Soni, Executive Associate Dean for Academic Programs—Bloomington

School of Education, page 23

Anastasia Morrone, Dean

Vasti Torres, Executive Associate Dean

Luddy School of Informatics, Computing, and Engineering, page 26

Dennis Groth, Interim Dean

Erik Stolterman-Bergqvist, Senior Executive Associate Dean

Esfandiar Haghverdi, Executive Associate Dean for Undergraduate Education

Kay Connelly, Associate Dean for Research

Selma Šabanović, Associate Dean for Graduate Education

Maurer School of Law, page 28

Austen L. Parrish, Dean

Ryan W. Scott, Associate Dean for Academic Affairs

Deborah Widiss, Associate Dean for Research and Faculty Affairs

School of Medicine, page 29

Jay L. Hess, Dean

Katherine Hiller, Associate Dean

Jacobs School of Music, page 30

Jeremy Allen, Interim David Henry Jacobs Bicentennial Dean

Brenda Brenner, Interim Eugene O'Brien Bicentennial Executive Associate Dean

Lissa May, Associate Dean for Instruction

School of Optometry, page 32

Joseph A. Bonanno, Dean

T. Rowan Candy, Executive Associate Dean for Academic Affairs

Stephen A. Burns, Associate Dean for Graduate Programs

Kimberly D. Kohne, Associate Dean for Students

Pete Kollbaum, Associate Dean for

Todd Peabody, Associate Dean of Institutional Advancement

Neil A. Pence, Associate Dean for Clinical and Patient Care Services

Jeffrey D. Perotti, Associate Dean for Fiscal Affairs

O'Neill School of Public and Environmental Affairs, page 33

Siân Mooney, Dean

Bradley T. Heim, Executive Associate

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 34

David B. Allison, Dean

Carrie Docherty, Executive Associate Dean for Academic Affairs

School of Social Work, page 36

Tamara Davis, Dean

University Graduate School, page 36

James C. Wimbush, Dean David Daleke, Associate Dean

ADMINISTRATION AND ACKNOWLEDGMENTS

Indiana University

Pamela Whitten, President

- Jay L. Hess, Executive Vice President for University Clinical Affairs
- Andrew R. Klein, Interim Executive Vice President and Chancellor, IUPUI
- Dwayne Pinkney, Executive Vice President for Finance and Administration
- Rahul Shrivastav, Executive Vice President and Provost, Indiana University Bloomington
- Hannah Buxbaum, Vice President for International Affairs
- Fred H. Cate, Vice President for Research
- Scott Dolson, Vice President and Director of Intercollegiate Athletics
- Laura Kress, Interim Vice President for University Human Resources
- Rob Lowden, Vice President for Information Technology and Chief Information Officer
- Thomas A. Morrison, Vice President for Capital Planning and Facilities
- Nancy E. Paton, Vice President and Chief Communications and Marketing Officer
- Anthony Prather, Vice President and General Counsel
- Susan Sciame-Giesecke, Vice President for Regional Campuses and Online Education
- William B. Stephan, Vice President for Government Relations and Economic Engagement
- James C. Wimbush, Vice President for Diversity, Equity, and Multicultural Affairs

Indiana University Foundation

J Thomas Forbes, President and Chief Executive Officer

University Libraries

Diane Dallis-Comentale, Ruth Lilly University Dean

Indiana University Bloomington

Rahul Shrivastav, Provost

- M. A. Venkataramanan, Executive Vice Provost for Finance, Budget, and Strategy
- David Daleke, Vice Provost for Graduate Education and Health Sciences
- David Johnson, Vice Provost for Enrollment Management
- M. Davis O'Guinn, Vice Provost for Student Affairs and Dean of Students
- Eliza Pavalko, Vice Provost for Faculty and Academic Affairs
- Lemuel Watson, Acting Vice Provost for Diversity and Inclusion
- Kirk White, Vice Provost for External Relations
- Jeffrey Zaleski, Vice Provost for Research
- Kurt Zorn, Acting Vice Provost for Undergraduate Education

Bloomington Faculty Council

Marietta Simpson, President

Trustees of Indiana University

Quinn Buckner, Bloomington, Chair MaryEllen K. Bishop, Carmel, Vice Chair

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Jeremy A. Morris, Indianapolis

Donna B. Spears, Richmond

UNIVERSITY GRAND MARSHAL

Brian Horne, Associate Professor of Voice

UNIVERSITY PLATFORM MARSHAL

Sarah B. Mostes

ANNOUNCER

Carolyn Calloway-Thomas, Professor, African American and African Diaspora Studies

SIGN LANGUAGE INTERPRETERS

Kathleen Bennett Melissa Hopper

FACULTY MARSHALS

Arts and Sciences

- Tessa Bent, Professor of Speech, Hearing, and Language Sciences
- César Félix-Brasdefer, *Professor of* Spanish and *Portuguese*
- David Fisher, Distinguished Professor and Ruth N. Halls Professor of Mathematics
- Jason Baird Jackson, Ruth N. Halls Professor of Folklore and of Anthropology
- Ahmad Lashkaripour, Assistant Professor of Economics
- Philip S. Lesourd, Associate Professor of Second Language Studies and of Anthropology
- Lauren M. MacLean, Professor and Chair of Political Science
- Michael McGerr, Paul V. McNutt Professor and Chair of History
- Frank Motley, Adjunct Professor of African American and African Diaspora Studies
- Julia Plavnik, Charlotte Ann Griffin Professor of Mathematics
- ${\it Heather Reynolds}, {\it Associate Professor} \\ {\it of Biology}$
- Jutta Schickore, Ruth N. Halls Professor and Chair of History and Philosophy of Science and Medicine

Art, Architecture, and Design

Mary Embry, Senior Lecturer in Merchandisina

Global and International Studies

Russell Burge, Assistant Professor of Modern Korean History

Media

Stephanie DeBoer, Associate Professor and Director of Graduate Studies

Business

John Hill, Professor of Accounting

Alfonso Pedraza Martinez, Associate Professor and Grainger Faculty Fellow of Operations and Decision Technologies

Education

- Danielle DeSawal, Clinical Associate Professor of Higher Education and Student Affairs and Master's Program Coordinator
- Vasti Torres, Executive Associate Dean and Professor of Educational Leadership and Policy Studies

Informatics, Computing, and Engineering

- Ariful Azad, Assistant Professor of Intelligent Systems Engineering
- Johan Bollen, Professor of Informatics
- Howard Rosenbaum, Professor of Information Science and Director of Graduate Programs for Information and Library Science
- Filippo Radicchi, Associate Professor
- Sam Tobin-Hochstadt, Associate Professor of Computer Science

Music

- David Cartledge, Associate Professor of Piano and Director of Graduate Studies
- Joey Tartell, Professor of Trumpet

Optometry

- T. Rowan Candy, Executive Associate Dean for Academic Affairs and Professor
- Katie Connolly, Clinical Associate Professor
- Donald Faimon, Clinical Associate Professor
- Jason Jedlicka, Clinical Associate Professor Elli Kollbaum, Clinical Professor
- Pete Kollbaum, Professor and Associate Dean for Research
- Todd Peabody, Associate Dean of Institutional Advancement and Clinical Professor

Public and Environmental Affairs

- Kimberly Novick, Associate Professor, Paul H. O'Neill Chair, Fischer Faculty Fellow, and Director, Ph.D. Program in Environmental Sciences
- Michael Rushton, Professor

Public Health

- Jared Allsop, Clinical Assistant Professor of Health and Wellness Design
- Shu Cole, Professor of Health and Wellness Design
- Virginia Githiri, Lecturer in Applied Health Science David Koceja, Professor and Chair of
- Kinesiology Jacqueline MacDonald Gibson, Professor and Chair of Environmental
- Molly Rosenberg, Assistant Professor of Epidemiology and Biostatistics

and Occupational Health

Social Work

John Keesler, Assistant Professor of Social Work

HEAD MARSHALS

- Ann Bastianelli, Senior Lecturer in Marketing, Kelley School of Business
- Brent Gault, Professor of Music Education and Department Chair, Jacobs School of Music
- William Ramos, Associate Professor of Health and Wellness Design, School of Public Health
- Cathrine Reck, Director of Undergraduate Studies, Department of Chemistry, College of Arts and Sciences
- Joe Schroeder, Associate Professor of Accounting, Kelley School of Business
- Marcy Shepardson, Associate Professor of Accounting
- Steven L. Tait, Professor of Chemistry

INDIANA UNIVERSITY HERALD TRUMPETERS

Joe Boksa Keanu Cover John LaCombe

Daniel Lehmann

INDIANA UNIVERSITY COMMENCEMENT ENSEMBLE

Christina Alegre

Sam Bowers

William Clark

Erich Corfman

Abigail Fledderman Robert Fox

Elliott Fus

Alex Keizer

Jacob Kopis Ellie Kopp

Jack Kurtz

Isaac Morton

Angela Prictoe Lawson Quesinberry

Dana Reckard

Leilani Spurlock

James Starkey Richard Stinson

Andrew Vance

Junming Wen

FIRST AID AND RESTROOMS

GUEST

The IU Health Center staffs a
First Aid Room located in Room
160, just off the South Lobby in
the East Corridor. The IU Health
Bloomington Hospital Emergency
Department and the Ambulance
Service have personnel units
strategically located through Simon
Skjodt Assembly Hall to assist
patrons. 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.

INFORMATION

Simon Skjodt Assembly hall has public men's, women's, and allgender restrooms located on the Lobby Level, Concourse Level, and Balcony Level. All restrooms are ADA accessible.

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 in the First Aid Room of Simon Skjodt Assembly Hall. After Commencement, please call 812-855-4575 for help with lost or found items.

COMMENCEMENT TRADITIONS

Today's 193rd 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.

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. White, taken from the white fur trimming of the Oxford and Cambridge bachelor's hoods, was assigned to arts and letters. Red, one of the traditional colors of the church, went to theology. Green, the color of medieval herbs, was adopted for medicine, and olive, because it was so close to green, was given to pharmacy. Golden yellow, standing for the wealth that scientific research has produced, was assigned to the sciences.

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.

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 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

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. Students who are receiving their doctoral degrees are hooded by members of the faculty during the graduation ceremony.

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 familiar marches and fanfares, and two Indiana University traditions: Hail to Old I.U. and The Vikina March, which shares its melody with the IU fight song, *Indiana*, Our Indiana.



CONGRATS, CLASS OF 2022!

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

ALUMNI.IU.EDU





GRADUATE DEGREE RECIPIENTS

This Commencement program should be regarded as a preliminary document, pending confirmation of all degrees. It includes graduates whose degrees are conferred and honors awarded for January and February 2022 and candidates for degrees and honors from March through August 2022. Degrees and honors are conferred after the completion of all requirements is verified. Diplomas will be mailed after all degree requirements and honors are confirmed. For details on graduating with honors, please visit go.iu.edu/gradhonors.

College of Arts and Sciences

MASTER OF ARTS

Itzel G. Abundis Nicole Ader Benjamin Ale-Ebrahim Morgan E. Barbre Violet Baron Kelly Bassemier Matthew Beil Andrew Berryhill Shelby T. Bruun Megan Kathryn Buckley **Emily Nicole Cain** David M. Castillo Leah Chizek **Emily Clark** Abigail Clayton Jennifer Lynne Cox Alexandra Danielides MacKenzie Louise DiMarco Ayca Fatma Durmaz Emily E. Finley Robert Gallagher Kara Genther Jodi Lynn Gleason Hannah Goodwin Megan R. Hancock Crystal L. Harrigan-Barry Bradi McKenna Heaberlin Madison Igleheart Maymuna Najam Jamil Emily Jewell Joseph Johnson Howard Kennedy Jones III Jan Cameron Juliani Justin Arras Kader Allison L. King Jacob King Gabrielle Templeton Krieble Kaela Rose Laughlin Laura Liang Alisha Brooke Lodewyk Carolyn P. Marino Manuel de Jesus Martinez Alvarenga Corentin Pierre Claude Mazet Chloe Danielle McCormick Molly McMinn Nora Therese McNamara

Molly A. Miner Giada Mirelli Dara Michelle Parker Erin Michelle Parks Matilde Patiño Arreguín Victoria Patiño Arreguín Walker Rhea Claire Haley Richters Arielle Virginia Roadman Regan Rodibaugh Molly Rozelle Emily Ryan Galia Elizabeth Sayyar Samantha M. Schnarr Erika Sosa Garcia Katy Rose Sparks Jennifer Stanley Kenneth Michael Steimel Anna Elizabeth Stoelinga Taylor Streander Ellen Taraskiewicz Kelsie Thacker Jessica Renee Villacres Joseph Salvatore Vuletich Maria de los Angeles Ward **Emily Catherine Weidig** Emerson V. Wolff Roy A. Woodall Siyu Yao

MASTER OF ARTS FOR TEACHERS

Michael William McLindon

MASTER OF FINE ARTS

Jamie Anderson Alison Laura Asagra Stoos Rachel Rose Burke Laura Dawn Dzubay Ariel Forrest Joseph David Hohman

MASTER OF SCIENCE

Noof Alsulaiti Jack Brown Zachary Richard Celentano Jasmine Lanisha Davis Billy Garret Dickson Diana Dimen Jayson Ryan Eldridge Mackenzie Michael Fahey David Joshua Ferguson James Conner Ford Ningyao Geng Saurabh Gireesan Ethan Golditch Elizabeth Anne Helms Nils Hjortnaes Paul C. Hunt Brandon Joe Kill Michael Kwakye Thomas Warne LaBarge Matt Xander Lansing Xiao Liu Sam Lobdell Shufan Lu Summer Leigh Miller Tanner Matthew Phillips Ian P. Reynolds Cole Brendan Seager Caitlin Sifuentes Dayton Elliott Stahl Brian Voas Meng Yang

MASTER OF SCIENCE IN CRIMINAL JUSTICE AND PUBLIC SAFETY

Raleigh Sell

DOCTOR OF AUDIOLOGY

Amelia Wade Fish Emily Morgan Fisher Adrienne Camille Graves Bailey Estelle Henderlong Kara Shelby Linard Madison Lynn Priddy Elly Rutkowski Alyxandria Sundheimer Kristen Joy Vieau Katherine C. Wilson

DOCTOR OF PHILOSOPHY

Noor Abo Mokh Major: Linguistics Dissertation Title: Measuring Linguistic Variation for Arabic Dialects: Syntactic Variation Research Chair: Sandra Kübler

Christopher James Agostino
Major: Astronomy
Dissertation Title: On the Hunt for
AGN: An Exploration of the
Observational Diversity of Active
Galaxies
Research Chair: Samir Salim

Victor Temitope Alabi Major: Linguistics Dissertation Title: Discursive Constructions of Selected Yorùbá Speech Acts: Apologies, Refusals And Sympathies

Research Chair: Samuel Obeng

Denise Ambriz
Major: Sociology
Dissertation Title: Examining Latinx
Education in New and
Established Destinations
Research Chair: Jennifer Lee

Tsun Fung Au Major: Geography Dissertation Title: Tree Growth Responses in the Context of Global Change Research Chair: Justin Maxwell

Kathryn Michelle Benavidez
Westrich
Major: Anthropology
Dissertation Title: Applying a
Microbial Endocrinology
Framework to Primate Ecology
And Conservation
Research Chair: Michael Wasserman

Savannah Bennett Major: Evolution, Ecology, and Behavior

Dissertation Title: Interactions Among Native and Invasive Woodland Plants, Mammalian Herbivores, and Soil Communities

Research Chair: Heather Reynolds

Tessa Maura Benson-Greenwald Major: Psychology Dissertation Title: Context and the Authentic Self: The Impact of Perceived STEM Objectivity Norms on Self-Concept Beliefs and Well-Being

Research Chair: Amanda Diekman

Hayley Elizabeth Bertrand
Major: Mathematics
Dissertation Title: Calculations of
the Euler Characteristic of the
Coxeter Cohomology of
Symmetric Groups
Research Chair: Ayelet
Lindenstrauss

Jordan Paul Blekking Major: Geography Dissertation Title: Urbanization, Spatial Complexity, and Urban Food Security in Sub-Saharan Africa Research Chair: Kurt Waldman Sarah Elizabeth Braley
Major: Chemistry
Dissertation Title: Rational
Electrocatalytic System Design in
The Pursuit of Mechanistic
Understanding of Nitrogen
Oxyanion Reduction
Research Chairs: Kenneth Caulton
and Jeremy Smith

Brooke Ann Brown
Major: Chemistry
Dissertation Title: Pushing
Analytical Boundaries through
Charge Detection Mass
Spectrometry to Characterize
Megadalton Sized Exosomes and
Other Extracellular Particles
Research Chair: David Clemmer

Amanda Anne Burtt Major: Anthropology Dissertation Title: The Dietary Behavior of Indigenous Canids: A Multi-Method Approach Research Chair: Stacie King

Julie Michelle Button
Major: Biochemistry
Dissertation Title: Examining the
Dual Roles of the Alphavirus
Capsid Protein during Assembly
and Budding
Research Chair: Suchetana
Mukhapadhyay

Gisela Cairo
Major: Genome, Cell, and
Developmental Biology
Dissertation Title: Temporal
Regulation of Meiotic
Chromosome Segregation
Research Chair: Soni Lacefield

David James Carr Major: Astronomy Dissertation Title: Active Galaxies across Cosmic Time: AGN Demographics and Metal Abundances Research Chair: John Salzer

Julian Antonio Carrillo
Major: Anthropology
Dissertation Title: Safeguarding the
Maroma Mixteca as Intangible
Cultural Heritage
Research Chair: Anya Peterson
Royce

Kairong Chen Major: Economics Dissertation Title: Essays on International Trade Research Chairs: Mostafa Beshkar and Volodymyr Lugovsky

Yue Chen Major: Linguistics Dissertation Title: Multimodal Emotion Recognition with Audio and Text Research Chair: Sandra Kübler Lucia Cores Sarria
Major: Cognitive Science; Media
Arts and Sciences
Dissertation Title: The "Breathing"
Camera: Psychological Effects of
Human-Like Camera Flow in
Visual Narratives
Research Chairs: Geoffrey Bingham
and Annie Lang

Giselle Dejamco Cunanan Major: American Studies Dissertation Title: Ethnic Studies Now: Racial Labor in a Multicultural Moment Research Chair: Micol Seigel

Christie Brooke Debelius Major: English Dissertation Title: Women Poets and Media Theory in British Romanticism Research Chair: Nicholas Williams

Corrine Mary Deegan Major: Physics Dissertation Title: Visual Motion Perception in Human Subjects Research Chair: Rob de Ruyter

Ashley Elizabeth DeYong
Major: Chemistry
Dissertation Title: Automated
Continuous-Flow Synthesis of
O-linked Fucosylated Derivatives
and Glycopeptides
Research Chair: Nicola Pohl

Megan Rita DiBartolomeo
Major: Spanish
Dissertation Title: Moving beyond
Lo Siento: The Effect of
Instruction on the Production and
Perception of Apologies in L2
Spanish

Research Chairs: Kathleen Bardovi-Harlig and Cesar Felix-Brasdefer

Marissa Ann Dobulis Major: Chemistry Dissertation Title: Probing Valence, Temporary, and Non-Valence Anions via Anion Photoelectron Spectroscopy Research Chair: Caroline Chick

Rachel Elizabeth Fadler Major: Chemistry Dissertation Title: Rigidity and Flexibility in Cyanostar and Organophosphate Assemblies Research Chair: Amar Flood

Jarrold

Kane Elizabeth Ferguson
Major: Spanish
Dissertation Title: Culinary
Negotiations of Migration and
Exile: Belonging and Foodways in
Diaspora Literature of the
Spanish-Speaking Caribbean
Research Chair: Anke Birkenmaier

Stefon Michael Flego
Major: Germanic Studies;
Linguistics
Dissertation Title: Modeling the
Role of Information-Theoretic
Factors in the Emergence of
Vowel Quality Mutation
Research Chairs: Kelly Berkson and
Tracy Hall

Feier Gao Major: Linguistics Dissertation Title: Mandarin Tonal Alternations and Implications Research Chair: Stuart Davis

Benjamin Harry Robert Gerroll Major: Chemistry Dissertation Title: Electrochemical Investigations of Direct and Catalytic Reactions Research Chair: Lane Baker

Mark David Greci Major: Genome, Cell, and Developmental Biology Dissertation Title: The Priming of DNA Replication in Archaea Research Chair: Stephen Bell

Stephanie Lauren Gummersheimer Major: Microbiology Dissertation Title: Role of Reovirus Core Proteins in Entry and Early Replication Research Chair: Pranay Danthi

Renyu Guo
Major: Chemistry
Dissertation Title: Development and
Application of Novel
Cycloadditions to Access
Three-Dimensional Molecules
Research Chair: Kevin Brown

Christina Michelle Harrison-Wilkins Major: Folklore and Ethnomusicology Dissertation Title: "A Place to Be": The Negotiation of Genre and Identity by Four Black Singer-Songwriters in Nashville Research Chair: Daniel Reed

Eleanor Ann Hasken
Major: Folklore and
Ethnomusicology
Dissertation Title: The Migration of
a Local Legend: The Case of
Mothman
Research Chair: Diane Goldstein

Joseph Brian Holmes Jr.
Major: Physics
Dissertation Title: Collective
Phenomena in Optically Active
Nanostructured Materials
Research Chair: Bogdan Dragnea

Chien-Han Hsiao Major: Linguistics Dissertation Title: Code-Switching between Typologically Similar Languages—Data from Mandarin-Taiwanese Code-Switching Research Chair: Kelly Berkson

Major: History and Philosophy of Science Dissertation Title: Three Pillars— The Principle of the Identity of Indiscernible (PII), Determinism, and Locality: Saying the Quiet Part Out Loud Research Chair: Amit Hagar

Xiaoqian Hu

Sheng-Yuan Huang Major: Chemistry Dissertation Title: Fabrication and Characterization of Nanoscale Devices for Resistive-Pulse Sensing and Nanoplasmonics Research Chair: Stephen Jackson

Ivan Jacob Huerfano
Major: Chemistry
Dissertation Title: Multifaceted
Approaches to Small Molecule
Activation: Surface and Synthetic
Strategies for Reductive
Transformations
Research Chair: Kenneth Caulton

Hannah Quinn Hughes
Major: Microbiology
Dissertation Title: Regulation of
Mannose-Sensitive
Hemagglutinin Pili in
Vibrio cholerae
Research Chair: Ankur Dalia

Dylan Stewart Jarrett Major: Spanish Dissertation Title: Epistemic Adverbs of Low Speaker-Commitment in Colombian Spanish Research Chair: Patricia Amaral

Soojin Jeong Major: Chemistry Dissertation Title: Chemical Design of Metallic Nanocrystal Electrocatalysts Research Chair: Xingchen Ye

James Edgar Johnstone
Major: Chemistry
Dissertation Title: Measurements of
the Influence of Shell Structure
on Near-Barrier Fusion for
Neutron-Rich Nuclei
Research Chair: Romualdo deSouza

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Dissertation Title: Automated
Solution-Phase Synthesis of
Thioglycoside Analogues Using
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Research Chair: Nicola Pohl

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Dissertation Title: Integrating
Remote Sensing and Field
Observations to Investigate the
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on Emergent Ecological and
Hydrological Processes at the
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Research Chairs: Taehee Hwang and
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to Claims of Belonging:
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Speech in Psychosis:
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and Peter Todd

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Dissertation Title: Beastly Bodies
and Behaviors: Defining the (Un)
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Dissertation Title: Measuring Soil
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Oxides: Instrument Design, Field
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Dissertation Title: Defining a New
Model: How Vibrio campbellii
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Dissertation Title: Genomic
Mechanisms Underlying Species
Variation in Sexually Dimorphic
Communication Signals in South
American Weakly Electric Fish
(Family Apteronotidae)
Research Chair: Gerald Troy Smith

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Dissertation Title: Borderline
Freedom: Free Black Women and
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Dissertation Title: Powerful
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Translations: A Bibliographic and
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Methodology of the English
Translation of the novel Jāhilīyah
Research Chair: Paul Losensky

Ahmed Saad Almutiri

Major: Middle Eastern Languages and Cultures

Dissertation Title: The Effect of Speech Rate on the Arabic Manner of Articulation: Acoustics Analysis on Both Native Speakers of Arabic and English Advanced Learners of Arabic

Research Chair: Salman Al-Ani

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Major: Middle Eastern Languages and Cultures

Dissertation Title: The Traditionalist in the Midst of Change:
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The Islamic Tradition, and His
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Research Chair: John Walbridge

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Major: Central Eurasian Studies
Dissertation Title: Sovereign Voices:
National Identity, the State, and
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Dissertation Title: Cover Girls: Teen
Magazines and the Construction
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Parameswaran and Brenda Weber

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Major: Cognitive Science; Media
Arts and Sciences
Dissertation Title: The "Breathing"
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Camera: Psychological Effects of Human-Like Camera Flow in Visual Narratives Research Chairs: Geoffrey Bingham and Annie Lang

Nicole Rachel FritzWilliams
Major: Media Arts and Sciences
Dissertation Title: Yes, No, and
Maybe: The Creation of a
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Measure Sexual Consent
Behavioral Intentions and the
Exploration of the Role of
Campus Sexual Health Messages
Research Chair: Lesa Hatley Major

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Nicholas Stratton Major: Media Arts and Sciences Dissertation Title: Smartphone World-Ecology and the Materialization of the iPhone 5c Research Chair: Stephanie DeBoer

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Hui Xu

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Tracy Adams Alex H. Aguilar Wiscort Banda Michael Mohsen Bastawros George Nicolas Batty Rajit Bhandari Lee Blackburn Brett Gardner Bonner Gal Mordechai Buchman Charles Anthony Buzzelli Sifei Cao Bennett Chappell Dong Chen Zhongmin Chen John Cameron Collins II Kavlan Victoria Conrad Caleb Cranton Steven Cook Crofts

Darryl Charles Crooms Jr. Simran Singh Darar Logan Ival Dehner Davis Demeter Cole Kevin Deuel Wei Ding Zachary Scott Dobos Xiangyang Dong Alexander S. Eads Nicholas Ernestine Nickolas Daniel Ernst Melissa Lynn Fajman Tianli Feng Jacob Fleck Christopher George Xiaomin Guan Chenchen Guo Michael Kash Hale Alexander Hand Autumn Olivia Harris James Dillon Hoey Jennifer Ann Holthouse **Dustin Robert Horter** Rex B. Hourigan Sawyer Jensen Chen Jia Jeromy Daniel Jorgensen Kimberly Keith Whitley-Fave H. Kennedy Vladislav Khrushch Misu Kim Dennis Kimble Cameron Kleinberg Jugander Kumar Peter Thomas Landrigan Matthew Robert Lee Alec Lehr Matthew Braden Lesh Maxwell Levin William Lewis Guangxian Li Wanrong Li Huawei Lin Wen Lin Yanfei Liu Yuhong Liu Sui Luo Mark Ma Aditva Madan Andrew Malca Brian Thomas Mark James Markwith Kerry Ann McCabe Daniel Mccarthy Ian Meeke Karl Motey Jiuk Myong Andrew Michael Nelis Fang Nie Timothy Michael O'Sullivan Lina Ouyang Shuang Pan

Aldair Sanchez Xin Shi Yu Song Raghav Sood Christopher Michael Spotts Yezi Sun Adam Tabesh Jia Tan Yasmi Yuqing Tang Raunak Thukral Ye Tian Rafael J. Toro Brandon Josue Turcios Thomas James Utley Shengpu Wang Tianxing Wang Yuanyuan Wang David Wernsing Karlton Wetzsteon Mark Walter White Andy Wong Ethan Writt Jun Xia Fen Xu Lijing Xu Yuan Xue Dawn Marie Yatsko Weijiang Ye Xiaofeng Yi Dong Yu Li Jun Yu Jian Yue Joshua Jay Zahn Matthew Garrett Zebula Xiaojun Zheng Ming Zhong Xinzhu Zhou Roarke Maeson Zimmer Ian Morris Hornick Hoyun Jang Sungyun Jung Kyounghoon Kang Nicholas A. Maria

MASTER OF SCIENCE

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Xinmiao Huang

Priyamvada Pushkar Huddar Seung Ho Hyun

Khaleel Igue Denis Joseph Jacob A. Joseph

Marko Milorad Jovanovic Rvan Kaufman

Mon Ei Khaing Ria Khatana Daniel Kinas

Kensington N. Knowling John Krieger Jack Philip Krieps Jack William Lacv

MASTER OF SCIENCE

MASTER OF SCIENCE IN GLOBAL SUPPLY CHAIN MANAGEMENT

Alexis Sachiko Dickinson David Alexander Hugueley Bryan Patrick Schorgl

Hannah Virginia Lauffer

22 23

Yiwen Pang

Marvin Powell

Xiaobo Qian

Andrew Rattin

Felix Ruckstuhl

Stella Sera Powell

William Washburne Rigby

Marlen Saavedra Bracamonte

Robert Douglas Rogers

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MASTER OF SCIENCE IN INFORMATION TECHNOLOGY MANAGEMENT

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Pushkar Deshpande Roman Feldblum Shivom Gargava Matthew Brian Garrett Megan Garufi David Lee Goldberg Xiaona Hang Ahmed Mohamed Hassan Rvan Heckel Mekangeldi Hellenov Sujan Hiregundagal Gopal Rao Christopher Hoskins Abiodun Oladimeji Ijaware Rebecca Jones Sumathi Kamalavasagam Zafar Saud Khan Marina Krenz Samjhana Lama Isaac A. Lawson Kyu Young Lee Oscar Andres Leon-Smith Xavier George Manayil Joseph Brittney Estelle Marimow Lauren Rose Fulde Marino Utkarsh Mehta Reuben Yao Mereku Edward Moynihan Rafael de Oliveira Osorio Shushrut Somashekhar Palled Kush Parikshak Maria Joseph Deepak Paulraj Michael Curtis Payne Sunil Pratap Kathryn Riesenbach Hitansu Sahoo Orlando Sanchez Martinez Benjamin James Schoettmer Dinesh Kumar Selvaraj Kudzai Marvin Shamuvarira Jyoti Shukla Monis Hussain Siddiqui Grant D. Smith Imre Sztano

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Coral Weigel

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Sanat Kumar Tripathy

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Alpha Renee Garrett
Jason Bradley Hesketh
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Antonio Kidston
Daniel Warren Melnick
Rachel D. Mendez
Riddhi Girish Patel
Ian Oliver Robinson
Kathleen Marie Sheehy
Debra Ellen Starkey

MASTER OF SCIENCE IN STRATEGIC MANAGEMENT

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DOCTOR OF PHILOSOPHY

Braiden Coleman Major: Business Dissertation Title: Does the Quality of SEC FOIA Responses Matter for Investors? Evidence from Investigation-Related Requests Research Chair: Brian Miller

Thomas Charles Hagenberg
Major: Business
Dissertation Title: Does the
Increased Availability of
Transaction-Level Disclosure
Exacerbate Systemic Risk?
Research Chair: Leslie Hodder

Byeonggwan Lee Major: Business Dissertation Title: The Relationship between Marketing and Product-Market Rivalry Research Chairs: Neil Morgan and Lopo Rego

Adam Manlove
Major: Business
Dissertation Title: The Effect of
Increased Private Tax Disclosure
on the Relevance of Reserves for
Uncertain Tax Positions
Research Chairs: Sonja Rego and
Bridget Stomberg

Emily Meredith Neubert
Major: Business
Dissertation Title: Three Essays on
Entrepreneurial Decision Making
and Financial Resource
Acquisition
Research Chairs: Greg Fisher and
Donald Kuratko

Rebecca Rees Major: Business Dissertation Title: A Nomological Net Meta-Analysis of Psychological Contract Breach Research Chair: Christopher Berry

Ji Woon Ryu Major: Business Dissertation Title: Feedback from Artificial Intelligence: Reactions of the Stigmatized to Algorithm-Driven Feedback Research Chair: Ernest O'Boyle

Nari Yoon
Major: Business
Dissertation Title: Capturing and
Keeping the Customer
Experience: The Effect of Cues on
Remembered Enjoyment and
Future Intentions
Research Chair: Raymond Robert

Burke

School of Education

MASTER OF SCIENCE IN EDUCATION

Ahmed Ali T. Alhaddad Johnnie Lee Allen Jr. Lynde Michelle Anquillare Sophia Apgar Mona Arbab Michaela Patrice Armstrong Christina M. Barnes Imani Belton Claire Marie Berman Kathryn Irene Bixby Sarah Kathryn Braunstein Bethany Kay Brewster Darrin Buchta Tori Austin Burkhart Megan Elizabeth Bybee Nelson Chavez Cubas William Donald Coy Alexis Taylor Dilg Rachael Kay Dillon Ashlev Errichiello Daniella Maria Feijoo

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SPECIALIST IN EDUCATION

Malkah Leah Bird Anna C. Brahm Karisa Antoinette Cole Daniela Pia Escobar Abigail R. Hart Abigail JoAnn Lefler Leanne Elizabeth Mordan

DOCTOR OF EDUCATION

Julia Maria Ailes
Major: Higher Education
Dissertation Title: Exploring
Motivation to Disrupt Whiteness
in Entry-Level White Women
Student Affairs Professionals.
Research Chair: Thomas Nelson
Laird

Josclynn Brandon
Major: Higher Education
Dissertation Title: Keep It Cute or
They Might Just Leave: A
Quantitative Analysis on Black
Women Faculty's Success
Strategies, Collegiality, and
Persistence
Research Chair: Megan Palmer

Kelsey Crane Deklerk
Major: Literacy, Culture, and
Language Education
Dissertation Title: Enacting
Culturally Sustaining Pedagogies
in Elementary Literacy

Classrooms Research Chair: Karen Wohlwend

Robert Edward Elliott Jr. Major: Instructional Systems Technology Dissertation Title: The Use of Mobile

Devices for Formal Learning in Higher Education: Investigating Student Behaviors and Expectations

Research Chair: Curtis Bonk

Christopher Mitchell Finley
Major: Educational Leadership
Dissertation Title: The Retention of
Effective Teachers in a HighNeed, Low-Income School
Community: Exploring Principal
Leadership Actions
Research Chair: Chad Lochmiller

Teresa E. James
Major: Educational Leadership
Dissertation Title: Otherwise
Engaged: A QuantCrit
Examination of Student
Engagement in an English 10
Classroom in an UrbanSuburban, Majority Minoritized
High School Setting
Research Chair: Sylvia Martinez

Connie Rae Kozak
Major: Instructional Systems
Technology
Dissertation Title: U.S. Army
Intelligence Training Personnel
Attitudes, Beliefs, and
Perceptions Toward Adoption of
Virtual Reality (VR): A Case Study
Research Chair: Thomas Brush

Juanita Marie Oberley
Major: Literacy, Culture and
Language Education
Dissertation Title: Pre-Service
Special Education Teachers
Integration of Culturally Relevant
Pedagogy in Literacy Methods
Research Chair: Karen Wohlwend

Elizabeth Van Pate
Major: Instructional Systems
Technology
Dissertation Title: Evaluating the
Use and Sustainability of Bitmoji
Classrooms with Online
Elementary Classrooms
Research Chair: Curtis Bonk

Kimberly Vincent-Layton
Major: Instructional Systems
Technology
Dissertation Title: Culturally
Responsive Teaching Practices in
Higher Education Online
Environments
Research Chair: Kyungbin Kwon

Fallon Elizabeth Walker
Major: Instructional Systems
Technology
Dissertation Title: An Exploration of
the Attributes of ComputerMediated Instructional Video that
Stimulate Social Presence
Research Chair: Thomas Brush

DOCTOR OF PHILOSOPHY

Viktoryia Abramenka
Major: Instructional Systems
Technology
Dissertation Title: Designing
Interactions for Supporting
Authentic Learning in Online
Courses
Research Chair: Gamze Ozogul

Abdulrahman Saleh A. Alhayyan Major: Curriculum and Instruction Dissertation Title: In-Service Elementary Mathematics Teachers' Question Types, Depths, and Factors Influencing Their Questions Research Chair: Erik Tillema

Richard Ash
Major: Higher Education
Dissertation Title: Discounting and
Discovery: How Hybrid Courses
Impact Faculty Job Contentment
in Post-Secondary Educational
Institutions

Research Chair: Thomas Nelson Laird

Weverton Ataide Pinheiro
Major: Curriculum and Instruction
Dissertation Title: At the
Intersections: Queer High School
Students' Experiences with the
Teaching of Mathematics for
Social Justice
Research Chair: Erik Tillema

Haesol Bae
Major: Instructional Systems
Technology
Discontation Title Hay Teach

Dissertation Title: How Teachers
Engage within PBL Classroom
Environments: A Multiple Case
Study of Elementary, Middle, and
High School Teachers'
Orchestration and Scaffolding
Practices

Research Chair: Krista Glazewski

Susan Lynne Batchelder
Major: Instructional Systems
Technology
Dissertation Title: Case-Based
Instruction in Entrepreneurship
Education: An Instructor's
Perspective on Implementation
and Gender Diversity
Research Chair: Thomas Brush

Chen Sung Chang Majors: Curriculum and Instruction; History, Philosophy, and Policy in Education

Dissertation Title: Jacques
Maritain's Ontology and Its
Applications: The Construction of
an Ontology of Play and an
Analysis of Pierre Bourdieu's
Theory of Art as Play
Research Chairs: Phil Carspecken
and Marjorie Manifold

Ting-Han Chang
Major: Higher Education
Dissertation Title: A Critical Study
of How College Student Leaders
of Color Conceptualize Social
Justice Leadership
Research Chair: Lucy LePeau

Parama Chaudhuri
Major: Instructional Systems
Technology
Dissertation Title: A Study of
Secondary Online Teaching
Experience during COVID-19
Research Chairs: Elizabeth Boling
and Anne Leftwich

Jennifer Lynn Cox Major: Curriculum and Instruction Dissertation Title: Confidence, Compliance, and Competitiveness: A Pragmatic Approach to Investigating Mathematics Anxiety in High School Students Research Chair: Sarah Lubienski

Bria Nichole Davis Major: Learning and Developmental Science

Dissertation Title: Flipping the
Script: Examining How Preservice
Teachers Appropriate Universal
Design for Learning and
Culturally Relevant Pedagogy as
Tools to Confront and Dismantle
Systemic Racism and Ableism
within Educational Contexts
Research Chair: Joshua Danish

Kuo Deng Major: Counseling Psychology Dissertation Title: Examining the Effectiveness of the Gratitude Group Program with the Assistance of Technology Research Chair: Joel Wong

Lauren Ann Easterling
Major: Instructional Systems
Technology
Dissertation Title: The Form and
Nature of Collaborative Faculty
Development Activities in Higher
Education Institutions—An
Activity System Analysis
Research Chair: Elizabeth Boling

Shanalee Shenagay Gallimore
Major: Higher Education
Dissertation Title: I'm Not Your
Superwoman: A Narrative Inquiry
of Black Women in Graduate
STEM Programs and Their
Holistic Well-Being
Research Chair: Lucy LePeau

Esen Gokpinar-Shelton
Major: Higher Education
Dissertation Title:
Internationalization in U.S.
Higher Education: How Do
Undergraduate Global Learning
Outcomes Relate to Four-Year
Institutions' Structural,
Interactional, Programmatic
International Diversity, and
Academic Disciplines?
Research Chair: Alexander
McCormick

Nayely Gonzalez Major: Counseling Psychology Dissertation Title: Greek Life Affiliation and Perceptions of Campus Regarding Sexual Violence: Impact on Bystander Intervention Confidence Research Chair: Ellen Vaughan

Kirstin Ane Helstrom
Major: Literacy, Culture and
Language Education
Dissertation Title: What Lies
Beneath: Exploring Beliefs and
Practices of Legal Writing
Education toward Increasing
Transparency in Legal Academia
Research Chair: Mary Beth Hines

Stephen Craig Hiller
Major: Higher Education
Dissertation Title: College Teaching
at the Intersections of
Institutional and Disciplinary
Cultures and Faculty Identities
Research Chair: Thomas Nelson
Laird

Breanya C. Hogue
Major: Literacy, Culture and
Language Education
Dissertation Title: A Case Study
Examining a Pre-Service Teacher
Informal Community of Practice
Established to Address Urban
Education Needs
Research Chair: Mitzi Lewison

Weejeong Jeong
Major: Literacy, Culture, and
Language Education
Dissertation Title: The Effects of
Certain Linguistic Features and
Genre of Test Prompt as
Predictors of College Writing
Placement
Research Chairs: Beth Lewis

Samuelson and Raymond Smith

Xiaokai Jia Major: Instructional Systems Technology Dissertation Title: Instructors' Strategies to Support Student Reflection in Service-Learning Research Chair: Anne Leftwich Eric F. Jones
Major: History, Philosophy, and
Policy in Education
Dissertation Title: On a New
Conception of Evaluation:
Exploring the Potential for
Human Performance Assessment
Grounded in Peircean Semiotics
Research Chair: Phil Carspecken

Sara Marie Lyness Reifel Major: Higher Education Dissertation Title: Faculty Motivation to Participate in Instructional Development Programs Research Chair: Victor Borden

Donté Marquis Miller Major: Higher Education Dissertation Title: FDT: Black Students' Oppositional Consciousness Cultivation Against Sociopolitical Issues Through The BSU Research Chair: Lucy LePeau

Jennifer Jihae Park
Major: Instructional Systems
Technology
Dissertation Title: The Relationships
among Sustainable Work
Environment, Human Agency,
Openness to Change, and
Innovative Work Behavior
Research Chair: Curtis Bonk

Natalie Elizabeth Peters
Major: School Psychology
Dissertation Title: Student Anxiety—
Comparing Synchronous and
Asynchronous Professional
Development Trainings
Research Chair: David Shriberg

Pengtong Qu
Major: Literacy, Culture, and
Language Education
Dissertation Title: Resources,
Knowledge, and Agency in Early
Biliteracy Practices: A Case Study
of a Chinese American Bilingual
Family
Research Chair: Carmen Medina

Michael Lee Roach
Major: Curriculum and Instruction
Dissertation Title: Grades 4 and 8
Students' Mathematical
Knowledge: Performance on the
2017 National Assessment of
Educational Progress
Research Chairs: Enrique Galindo
and Peter Kloosterman

Nicole Rodriguez Major: School Psychology Dissertation Title: Assessing Pre-Service Teachers' Self-Efficacy in Collaborating with Families about ASD Research Chair: David Shriberg Rajagopal Sankaranarayanan Major: Instructional Systems Technology Dissertation Title: Influence of Microlearning Approach on Introductory Database Programming Concepts Research Chair: Kyungbin Kwon

Quinton Gerard Stroud
Major: History, Philosophy, and
Policy in Education
Dissertation Title: If You're Not at
the Table, You're on the Menu: A
Multiple Streams Analysis of
Contemporary Arts Education
Policymaking
Research Chair: Dionne Danns

Jun Takahashi
Major: Literacy, Culture, and
Language Education
Dissertation Title: Written
Corrective Feedback Engagement
from a Sociocognitive Perspective:
A Case Study of Learners of
Japanese as a Foreign Language
Research Chair: Martha Nyikos

Stephanie Nicole Underhill
Major: Inquiry Methodology
Dissertation Title: Investigating the
Performance of Survival
Regression Models Under
Multiple, Simultaneous
Assumption Violations
Research Chair: Dubravka Svetina
Valdivia

Amy Walker
Major: Literacy, Culture, and
Language Education
Dissertation Title: Spaces of Protest
Are Spaces of Literacy: Examining
the Multiliteracies of
Transnational Latinx and White
Youth as Activists in the Rural
Midwest
Research Chair: Carmen Medina

Sylvia Christina Washington Major: Higher Education Dissertation Title: You Know It When You See It: The Influence of Television on the Meaning Making of Black College Women Research Chair: Megan Palmer

Lauren A. Wendling
Major: Higher Education
Dissertation Title: Evaluating
Engaged Research in Promotion
and Tenure: Not Everything that
Counts Can Be Counted
Research Chair: Thomas Nelson
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Luddy School of Informatics, Computing. and Engineering

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MASTER OF LIBRARY SCIENCE

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Samer Imad Al-Saffar Zuqi Liu

MASTER OF SCIENCE IN COMPUTER SCIENCE

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MASTER OF SCIENCE IN DATA SCIENCE

Mohamed Elfateh Abdallah Idris Abdelgader Bathurunnisha Abdul Jabbar Alisha Aery Nagasudheer Alluri Garrett Carter Ankney Gautam Ashok Mindy J. Baker Suresh Kumar Balasundaramsivaprakash Sr. Scott Ryan Berry Tanukrishna Chetia Mary Hannah Corso Pankaj Bharat Dange Tarini Prasad Dash Rupesh Dileep Deshmukh Lisa Dick Nrusimha Vihari Eyunni Li Feng Rhonda K. Fischer James Freisinger Maria Joy Gaffney

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Daivik Uggehalli Dayanand David Van Anda Srikanth Velpuri Apurupa Vemula Sai Ajay Vutukuri Ryan Kevin Werbeck

Adrian Kar Woo Abigale Elizabeth Wynn Yunyang Zhao

MASTER OF SCIENCE IN HUMAN COMPUTER INTERACTION

Sohile W. Ali Atishi Batra Hasmitha Bhetalam Gege Dong Utkarsha Joshi Jisun Lee Shih-Ting Lin Seth R. Lucas Sai Roshan Nagarajan Murugappan Qingran Ni Zain S. Rajwany Yue Teng Jeffrey Tran Szu Chin Wang Xia Wang Adam Scott Wolf Kevin Wu

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MASTER OF SCIENCE IN INTELLIGENT SYSTEMS ENGINEERING

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MASTER OF SCIENCE IN SECURE COMPUTING

Alexey Alexandrovich Vasilyev

DOCTOR OF PHILOSOPHY

Vafa Andalibi Major: Computer Science Dissertation Title: Leveraging Machine Learning for End-User Security and Privacy Protection Research Chairs: L. Jean Camp and Martin Swany

Robert David Badger Major: Intelligent Systems Engineering Dissertation Title: Open-Source Classification Systems for Frequency-Domain RF Signals: Robust Physical Layer Multi-Sample Rate Processing Research Chair: Minje Kim

Krishna Chaitanya Bathina Major: Informatics Dissertation Title: Quantifying the Resilience of Technosocial Systems Using Online Social Media Data Research Chair: John Bollen

Bramsh Qamar Chandio Major: Intelligent Systems Engineering Dissertation Title: Advancing White Matter Tractometry of the Brain Using Diffusion MRI Research Chair: Eleftherios Garyfallidis

Ashley Rachel Dainas Major: Information Science Dissertation Title: The GIF that Keeps on Giving: Sender and Receiver Interpretations and Misconstruals of GIFs Research Chair: Susan Herring

Jayati Dev Major: Informatics Dissertation Title: Privacypreserving and Inclusive Conversational Interfaces Research Chair: L. Jean Camp

Lucas Do Rego Barros Brasilino Major: Intelligent Systems Engineering Dissertation Title: Hardware-Accelerated Data Distillation at The Network's Edge Research Chair: Martin Swany

Wontack Han Major: Computer Science Dissertation Title: Computational Methods for Comparative Analysis of Microbiome Related to Human Diseases Research Chair: Yuzhen Ye

Swapna Chandrashekhar Joshi Major: Informatics Dissertation Title: Community-**Robot Interaction** Research Chair: Selma Sabanovic

Jayanath Chamindu Sandanuwan Kadupitiya Kadupitige Major: Intelligent Systems Engineering Dissertation Title: Enhancing Nanoscale Simulations with Machine Learning and Advanced Cyberinfrastructure Research Chair: Vikram Jadhao

DongInn Kim Major: Computer Science Dissertation Title: Integrating Human and Machine Intelligence to Secure the Web Browsing, IoT, and Control Plane Safety for the Edge of the Network Research Chair: L. Jean Camp

Sunwoo Kim Major: Intelligent Systems Engineering Dissertation Title: Model Compression for Efficient Machine Learning Inference Research Chair: Minje Kim

Aehong Min Major: Informatics Dissertation Title: Extending and Facilitating Informal Care Networks for People with Epilepsy and Caregivers Research Chair: Patrick Shih

Sevednehnood Momenzadeh Major: Informatics Dissertation Title: Economic Study on the Future of Cryptocurrencies Research Chair: L. Jean Camp

Daniele Notarmuzi Major: Informatics Dissertation Title: Propagation of Information in Online Social Media Research Chairs: Alessandro Flammini and Filippo Radicchi

Etienne Nzabarushimana Major: Informatics Dissertation Title: Characterization of Microbial Functions and Species in Gut Diseases Research Chair: Haixu Tang

Mohammad Khaledur Rahman Major: Computer Science Dissertation Title: High-Performance Graph Representation Learning and Analytics Research Chair: Ariful Azad

Fatemeh Sharifi Major: Computer Science Dissertation Title: Computational Tools for Studying the Mechanisms of Armsrace between Bacteria and Phages Research Chair: Yuzhen Ye

Grant Anthony Skipper Major: Intelligent Systems Engineering Dissertation Title: Dynamic Reconfiguration Techniques for Enhancing Security and Trust of Field Programmable Gate Arrays Research Chairs: Andrew Lukefahr and Martin Swany

Sarah Jane Spall Major: Computer Science Dissertation Title: Rattle: A Practical and Correct Forward Build System Research Chair: Sam Tobin-

Chao Tao Major: Computer Science Dissertation Title: New Efficient Decision-Making Strategies in Selected Multi-Armed Bandits Problems Research Chair: Qin Zhang

Hochstadt

Christopher Torres Lugo Major: Computer Science Dissertation Title: Catch Me If You Can: On the Detection of Coordinated Inauthentic Behavior on Social Media and Its Limits Research Chair: Filippo Menczer

Tingyi Wanyan Major: Intelligent Systems Engineering Dissertation Title: Relational EHR Data Modeling Research Chair: Ariful Azad

Xiaomeng Ye Major: Computer Science Dissertation Title: Robust Adaptation, Machine Learning Driven Adaptation and Their Implications in Case-Based Reasoning Research Chair: David Leake

Farzane Zokaee Major: Intelligent Systems Engineering Dissertation Title: Bio-specific Hardware Accelerators: From Emerging Devices to Bio-Informatics Research Chair: Lei Jiang

Maurer School of Law

MASTER OF COMPARATIVE LAW

Saleh Hissein Hassan India RoseKamala Moss

MASTER OF LAWS

Nwamaka Dionne Charlotte Agbandie-Bovce Shrisa Apitanas Zhe Che Ravvi Augusto de Abreu Coutinho Madruga Minju Koo Francesca Lacava Donghun Lee Rikard Miguel Marin Islam Mitwalli Abdelmoemen Mohamed Nneoma Chidinma Nwabunike Ulric Quee Pawel Wasylkowski

DOCTOR OF JURIDICAL SCIENCE

Ibrahim Saleh A. Aloraini Muhamad Abdulrahman S. Alshehri Eka Nugraha Putra

DOCTOR **OF JURISPRUDENCE**

Sukirti Agrawal Anthony Chris Alcivar Rahaf Alrehaili Jisoo Bae Daniel John Balser Caitlin Barbas Cum Laude Jozie Morgan Barton Olivia Bauer Kyle Christopher Beach Daniel Rudy Beising Kacey Bengel Bradley Bergquist Madeline Blanev Allison Jane Bolton Margaret Ann Bott Leland Michael Braun Cum Laude Haley Yasmine Brooks Danielle Lynn Brown Maci Nicole Brown James Cole Byram Cum Laude Raeanna Lynn Carrell Cum Laude Jacqueline Renate Caserio **Breanne Chambers** Sarah Chanev Jungje Choi Megan Lee Cicotte Cum Laude Erica Micaela Cioc Nicholas Henry Ciulla

Hannah Clarke

Javon James Coatie Jordan Elizabeth Cockrum Keanna Cohen Leslea Melissa Cole Nathan Robert Danish Magna Cum Laude Kija Lynn Davis Erin Mackenzie Deckard Cum Laude Hamilton Clair Dickey Rebeca Dorantes Alex Barrett Dowland Mary Kate Dugan Magna Cum Laude Devin Jo Dunkley Cum Laude Rebecca Isabelle Fadler Jian-Shuen Fang Erica Lindsev Fields John David French Summa Cum Laude Megan Burke Freveletti Cum Laude Michael Chamberlin Froedge Cum Laude Hannah Gahimer Cum Laude Cody Galvan Asa Jacob Gelber Magna Cum Laude Peyton Elizabeth Gilliatt Heather Christine Gin Katherine Grant John David Grasty Cum Laude Cassandra Guerin Cum Laude Natalie Elizabeth Hale Kelsev Ann Harper

Cum Laude Zachary Robert Hart Magna Cum Laude Alexis Hatchard Mary Elizabeth Haves Cum Laude Daijun He Heather Heck Magna Cum Laude Kacev Henning Allison Virginia Henry Mason Hunter Hiatt Noah Holloway Cum Laude Rebecca Ellen Hollowell Kun Huang Peter Hutson Catherine Justine Hutwagner Seila Ibruli Mounir Jamal Summa Cum Laude Mughees Jamal Jan Cum Laude Alexis Raquel Jenkins Edward Jeong Gookjin Jeong Michelle Johnston Hannah Elizabeth Jones Ji Min Kim Sara Elizabeth Kissel Christopher W. Koester

Magna Cum Laude

Kyle Joseph Kopchak Taylor Lavender Magna Cum Laude Nicole Breanna Lawvere Cum Laude Alex Wayne Layton Rachel Harley Leach Courtney Christina Taylor Lee Zebadiah Taylor Lewis Magna Cum Laude Yanan Li Wei-Chung Lin Cum Laude Olivia Liska Cum Laude Justin Michael Lorber Alexus Dean Brown Lucas Joshua Andrew Lynch Cum Laude Molly Katherine Madden Magna Cum Laude Amanda Rose Magaldi Connor Prior Marcum Amanda N. Marino John Edward Martin Yael Keren Massen **Emily Anne McDaniels** Cum Laude Abigail McGowan Magna Cum Laude Paige Jacqueline McHugh Christopher James McMillan Makenzie Marie Mehringer Magna Cum Laude Luis Fernando Mercado Shane Ari David Meza Preston Riley Michelson Magna Cum Laude Heather Migdon Cum Laude Blaire Alyse Mikesell Magna Cum Laude Maria Anne Mirande Cum Laude Hussein Yasser Mohamed Cum Laude Jesse Josef Moore Stephen Thomas Morris Cum Laude Ryan Patrick Mueller Magna Cum Laude Nathan Allan Muha Daniel Sean O'Neill Michael Gary Osborn Whitley Brianne Pannell Carsten A. Parmenter Cum Laude Richa Bhavesh Patel Olivia Jeanne Potter David Matthew Price

Jeffrey Ranger

Jalyn Rhodes

Tyler Riedinger

Cum Laude

Caroline Sebastian Riley Magna Cum Laude Elena Barbara Roper Matthew Taylor Ross Breana Michelle Rucker Samuel Thomas Russell William Ramon Sanchez Madison Grace Satterly Maana Cum Laude Elli Marie Schank Alexandra Schnarre Magna Cum Laude Haley Michelle Scott Ashley Mercedes Scurlock Abigael Ann Semnisky Youcun Shen Zacharias Edwin Shepard Cum Laude Yeting Shi Matthew James Spegele Cum Laude Tessa Steffens Grant J. Steiner Phillip George Stephenson Olivia Christine Stevens Cum Laude Allison Strong Janine Alice Tang Masie Ashlyn Taylor Logan Taylor Tedrow Patrick Dean Tilden Ronnell Turner Zachary Dean Van Duyn Caroline Aleta Veldhuizen Jacob Daniel Vent Cody James Vibbert Yu Chieh Wang Brian Perry Ward Cum Laude Kazumasa Watanabe Charles Westerhaus Kenneth C. Whitlock Jr. Elaina Hope Wilson Cum Laude Hannah Elizabeth Wilson Shaina Chantelle Wolf Kylie Nicole Yapp Zoe Louisa Zeligman Yifei Zhao Zachary Zimmerer Parker Zimmerman Leah Robyn Zoccola

Cum Laude

Jacqueline Lane Van Der Wey

School of Medicine

MASTER OF SCIENCE

Michael Edward Goodwin

DOCTOR OF PHILOSOPHY

Benjamin Michael Greulich Major: Cellular, Molecular, and Čancer Biology Dissertation Title: Regulation of ERG Function in Prostate Cancer Research Chair: Peter Hollenhorst

Vaishnavi Muralikrishnan Major: Cellular, Molecular, and Cancer Biology Dissertation Title: Targeting ALDH1A1 and Regulatory Networks That Support Ovarian Cancer Stemness Research Chair: Kenneth Nephew

Weini Wang Major: Cellular, Molecular, and Cancer Biology Dissertation Title: HOTAIR Functionality and Regulation in Ovarian Cancer Stem Cells Research Chairs: Peter Hollenhorst and Kenneth Nephew

Jacobs School of Music

MASTER OF ARTS

Monika Cecilia Franaszczuk Elizabeth Alene Frickey Jacob Daniel Sands Jahiel Katharine Emily Teykl

MASTER OF MUSIC

Sungyeon Ahn Daixuan Ai Amanda Camille Andrishak Keegan L. Bamford Christopher John Barrow Benjamin Thomas Bauer Isaac Matthew Beaumont David Alexander Boeckh Cody Gilbert Boling Giuliana Teresa Bozza Edmund B. Brown Kacie Nicole Brown Justin Brunette Jonathan David Burns Joseph Orion Canter Marinna Beth Carmichael Yi-Chen Chiang Wei Hsuan Chien Chung Him Chu Andrea Chung Madeline Dianna Coffey Drew Edward Comer Patrick M. Conklin Sara Danielle Dailey Spencer Makoto Day Katherine Marie Deneris Xinyuan Deng Kristen Marie Diederichs Andrea F. Dollinger Andrew Scot Durham Benjamin D. Elliott Donni Ruth Evans Seare Ahmad Farhat Joanna M. Fleming Yuki Futami Benjamin Nathaniel Gamze Benjamin Robert Garcia Eric Andrew Garcia Julian Edward Garvue Tianci Gu Mingzi Han Sydney Rene Hartwick Kent A. Hickey Lucas Anderson Hickman Zola Hightower **Emily Rose Hodges** Benjamin Malcolm Horne Yu-Chen Hsieh Olivia Catherine Hunt Nathan Troy Hurst Joseph James Ippolito Theodore Edward Jackson Jae Hee Jeoung Gabriel Alejandro Jimbo Viteri Rui Jin Da Hee Kim Daniel Joseph Kim Heejin Kim Jookhyun Kim

Mee Ji Kim Teu In Kim Margaret Maija Kinabrew Svjatoslav Korolev Nathan Stockton Krishnaswami Luc Ian LaChapelle Shin Lan Anna Victoria Larson Kristen Rawlinson Leavitt

Chanwoo Lee Eun Young Lee Sinae Lee

Xinyu Li Teresa Ching Lin Xiyan Liu Thomas Mathias

Reid Ethan Merzbacher Munire Mierxiati Collin Phillip Miller

Elise Alexandra Miller Matthias John Murphy Cole J. Nasman

Nicholas James Nastally Sage Keunsoo Park Evan Pasternak

Abigail Katherine Pitts Olivia Catherine Prendergast Timothy Reinholz

Emily Sierrra Rumpca Claire Elizabeth Ryterski Chase Hopkins Sanders

Marisa Sardo Victoria Lynn Schemenauer Daniel Seaman Lilah Grace Senibaldi

Dongwon Shin Nicholas Sienkiewicz Jiwoon Sim

Jeremy Hammond Sivitz Logan Skirm

Jun Jie Edmund Song Xiachu Song Paige Allison Stafford

Nicholas Andrew Stevens Noah Chasworth Strevell

Yoshino Toi See Lok Tong

Adriana Nicole Torres Diaz Shuen-An Tzuo

Uicheol Uhm Frances van Vuuren

Logan Robert Vanderlaan Wade Alan Voris

Brandon Vos Michael Anthony Walker II

Mira Carole Walker Lynnli Jina Wang Hall Shengan Wang Tzu-Wei Wang

Dawning Celesta Welliver Trent Dakota Whisenant Ling Chung Timothy Wong

Mei Yin Grace Wong Wan-Zhen Xie Ke Xu

Xiaomei Xu Feiyan Yang Hong Yao Huiming Ye Jonathan Joon Yi

Kunda Yu Eric Brian Zielsdorf

Miranda Marie Zirnbauer

MASTER OF MUSIC EDUCATION

Danae Lee Pick Redick

MASTER OF SCIENCE IN MUSIC EDUCATION

Paul David Hunt Jr.

ARTIST DIPLOMA

Ursula Megan Steele

PERFORMER DIPLOMA

Rebecca Jacks Achtenberg Barbara Brett Joy Umlauf Arjomand Seovoon Bae Pei-Tsun Chiang Tiffany J. Choe John Cleere Kira Joyce Garvie Gedeane Virginia Graham Olivia Candace Gronenthal Chih-Yun Hsiao Tse-Rung Huang Seung A. Jung Sippakorn Kaewthamai Sippapas Kaewthamai Watcharit Kerdchuen Doowon Kim

Michelle Joo Eun Kim Han Na Lee

Jisun Lee Robert William Levinger

Xizi Li Xiao Liang Xiaoyu Liu Yingge Liu Itsuki Nagamine Seungkyu Oh Sehyun Paik Anna Rigoni

Cassius Stein Rong Sui Rui Xi Kangzhi Zhao

DOCTOR OF MUSIC

Layne Michael Anspach Major: Horn Final Project: Lyrical Etudes for the Intermediate and Advanced Horn Player Research Director: Richard Seraphinoff

Connor Michael Barney Major: Guitar Final Project: Playing Together: An Ensemble-Based Method to Learning the Classical Guitar

Research Director: Brent Gault

Katherine Suzanne Burk Major: Organ Final Project: A Study of the Organ Accompaniments and Musical Style of the Evening Canticle Settings by Herbert Howells Research Director: Andrew Mead

Yi-De Chen Major: Composition Final Project: Spirituality Research Director: Aaron Travers

Ching Nam Hippocrates Cheng Major: Composition Final Project: Concerto for Orchestra Research Director: Don Freund

Ying Han Chin Major: Early Music-Keyboard/Lute Final Project: Musical Rhetoric in Early Nineteenth-Century Solo Piano Music of the English Pianoforte School Research Director: Elisabeth Wright

I Ping Chiu Major: Horn Final Project: Progressive Orchestral **Etudes: Repertoire-Specific** Exercises for Horn Research Director: Richard Seraphinoff

Zachary Ellis Coates Major: Voice Final Project: A Practical Handbook for Teaching Undergraduate Song Research Director: Mary Ann Hart

Catherine Lynn Compton Major: Voice Final Project: 19th-Century Lieder by Women Composers: A Pedagogical Anthology for Young Singers Research Director: Mary Ann Hart

Anna Czerniak Major: Violin Final Project: Form and Performance: A Guide to Sonata No. 4 for Violin and Piano by Grażyna Bacewicz Research Director: Marianne Kielian-Gilbert

Dalong Ding Major: Organ Final Project: Organ Music of Alexander Glazunov Research Director: Andrew Mead

Qianyi Fan Major: Violin Final Project: The Reconstruction of the Eugène Ysaÿe Violin Concerto in G Minor (1910) Research Director: Andrew Mead

Grant Lewis Farmer Major: Choral Conducting Final Project: Development of Choral Tone through a Vocology Lens: Using Informed Language in Rehearsal to Achieve Desired Effect Research Director: Brian Gill

Paulina Francisco Major: Historical Performance Voice Final Project: The Seventeenth Century Trillo: Historical Practice for the 21st Century Singer Research Director: Dana Marsh

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

Esteban Hernández Parra Major: Viola Final Project: Resuena Abya Yala: Decolonial Practices in Bowed Strings Learning and Performance Research Director: Javier León

Natasha Wallin Keating Major: Oboe Final Project: Applied Music Theory for the Oboist Research Director: Kyle Adams

Christina MyungJin Kim Major: Violin Final Project: A Two-Part Exploration of Effective Teaching and Violin Performance Major Curriculum at the Undergraduate Level

Research Director: Brenda Brenner

Jae Eun Kim Major: Choral Conducting Final Project: Edward Elgar's Te Deum and Benedictus in F Major, Op. 34: A Critical Edition Research Director: Dominick DiOrio

Younkyung Kim Major: Piano Final Project: William Byrd's My Ladye Nevells Booke: A Guide to Interpretation and Performance Research Director: Jean-Louis Haguenauer

Nicholas Campitelli Landrum Major: Composition Final Project: L'enfant Terrible (with flashes of bright green) Research Director: David Dzubay

Alonza Brandon Lawrence Major: Voice Final Project: Dismantling the Necessity for Vocal Code-Switching Among African Americans in the Academy through the Implementation of Open Form Educational Philosophy Research Director: Lauren Richerme

Fidel Leal Camacho Major: Piano Final Project: The Life and Keyboard Music of Leopold Koželuch Research Director: Jean-Louis Haguenauer

Louis Cameron Lohraseb Major: Orchestral Conducting Final Project: Mascagni's Cavalleria Rusticana Research Director: Arthur Fagen

Tatiana Lokhina Major: Collaborative Piano Final Project: A Performance Guide to Selected Songs by Georgy Sviridov Research Director: Gary Arvin

Sally Murphy Major: Cello Final Project: Cello Pedagogy and the Avant-Garde: A Pedagogical Guide to Claude Ledoux's First Book of 12 Studies for Cello Research Director: Peter Stumpf

Jeongung Oh Major: Composition Final Project: Orchestral Suite Research Director: P. O. Phan

Robert Rankin Major: Composition Final Project: Liar: Concerto for Wind Ensemble Research Director: P. Q. Phan

Nathaniel Vinh Shapiro Major: Violin Final Project: Frank Bridge and the Two Piano Trios: A discussion of Form, Style, and Expression Research Director: Massimo Ossi

Alexandra Mae Signor Major: Trumpet Final Project: Glossary of Big Band Terminology from 1957–1975 Research Director: Joey Tartell

Nicha Stapanukul Major: Piano Final Project: Learning Theories: Why Should They Be Important to Artist-Teacher and Applied Piano Studio Teachers? Research Director: Norman Krieger

Cassius Stein Major: Guitar Final Project: Harmony and Impulse in the Music of Agustín Barrios Research Director: Frank Samarotto

Timothy Joel Stephenson Major: Piano Final Project: Is it Unteachable? Establishing a Method for Teaching Communicative Musicality to Advanced Students Research Director: Norman Krieger

Kylie Ashlyn Stultz-Dessent Major: Clarinet Final Project: A Practice Guide to Selected Clarinet Repertoire: Contextual Insight and Preparatory Studies for the Advancing Clarinetist Research Director: Lissa May

Benjamin Taylor Watkins Major: Piano Final Project: Cryptology and Hidden Meanings in the Music of Johannes Brahms Research Director: Evelyne Brancart

Yana Weinstein Major: Voice Final Project: A Musical Analysis of Selected Medtner Settings of Pushkin Poems Research Director: Brian Horne

Wai Ki Wun
Major: Clarinet
Final Project: Performing Early
Music on the Modern Clarinet: A
New Look, with Performance
Editions of Five New
Transcriptions
Research Director: Dana Marsh

Jiajia Xia Major: Violin Final Project: It's Not Too Late to Start—Adaptive Multicultural Instructional Materials for Mature Violin Learners Research Director: Brenda Brenner Mingyuan Yang Major: Bassoon Final Project: Arrangements of the Eight Mozart Wind Concerti with Performance Practice Research Leading to Performance Editions Research Director: William Ludwig

Ki Fung Yeung
Major: Early Music—Keyboard/
Plucked Instrument
Final Project: Introducing the
Improvisations into 21st-Century
Music Classroom: A Curriculum
for Undergraduates and
Graduates
Research Director: Frank Samarotto

DOCTOR OF PHILOSOPHY

Ian Thomas Cicco
Major: Music Education
Dissertation Title: The History,
Nature, and Use of Folk Songs:
An Examination of Racist Origins
in Elementary General Music
Repertoire
Research Chair: Lauren Kapalka
Richerme

Stewart Duncan Major: Musicology Dissertation Title: Choral Singing and English Politics in the 1930s Research Chair: Halina Goldberg

School of Optometry

MASTER OF SCIENCE Alyssa Todd

Kora Ann Amunrud

Jessica Irene Arnot

With High Honors

Madison Elizabeth Androw

Kaitlin Breanne Applegate

DOCTOR OF OPTOMETRY

Jeffrey Thomas Baker Claire Marie Barna Madison Elyce Beagley Trevor Allen Bell Lauren Elaine Bender Chelsea Jade Branscum Sarah Rose Brook Calen Charles-William Bruner With High Honors Sairah Arshad Chaudhry Madison Lynn Crowe Jacob Michael Delis Holly Brianna Deming With Honors Rushvi Shailesh Desai Lauren Anne Dust Emily R. Ertel With Highest Honors Nicholas Manuel Garcia Kellie Gladys Kristen Suzanne Gracia Chelsie Morgan Greenlee Paige Elizabeth Hart Devvn Haves Theodore James Hesterman John Clarence Hinely Karlie Blain Hoelscher Brittany Lynn Holm Taylor MyRanda Holzmeyer With High Honors Kiersten Marie Hopkins Kelly Nicole Janos Shelby Taylor Jueneman With Honors Amandeep Kaur Ashley Victoria Ladd Stephanie Anne Lambertson Andrea Michelle Leonard Lauren Nicole Mancinelli Virginia Nicole Manuel Kavla Brooke Martin Addison Alexis Merem Cade Millikin Patrick James Miranda With Honors Brittany Taylor Neudecker Marissa Lucia Nicotra Marija Novakovich Carrigan Rae Peak Tyler Penny With Honors Lexie McKenna Peper Mava Jillian Pollock Brianna Marie Prescott Elizabeth Grace Ramlow With High Honors Lindsey Breeann Rector Kennedy Marti Reed

Allison Elizabeth Richardson Emily Nicole Robinson Diana Rodriguez Rvan James Saler Megan Jean Schlipf Whitney Alexandra Shaver Hady H. Srour Kyle Matthew Starkey Nicole Lee Stimmel Jacob Samuel Stoler Laura Marie Szuba Austin James Tocco With Honors Zachary Cole Unrau Taylor Lynn Welsh Cailey Anne Willhardt Olivia B. Zolnik

DOCTOR OF PHILOSOPHY

Hin Cheung
Major: Vision Science
Dissertation Title: ReflectanceBased Structural Quantification of
the Healthy and Glaucomatous
Retinal Nerve Fiber Layer using
Spectral Domain Optical
Coherence Tomography
Research Chair: William Swanson

Sonisha Neupane Major: Vision Science Dissertation Title: Challenges in Maintaining Focused and Aligned Eyes during Human Visual Development Research Chair: T. Rowan Candy

O'Neill School of Public and Environmental Affairs

MASTER OF ARTS

Bridgett Arredondo Quentin Beverly Christian Lee Bowling Hannah Merrill Crane Chloe McKenzie Dukes Annaka Grace Grismer Colin Knapp David Michael Kortes Helen H. Lee Lina Ann Millsap Stella O Hannah Reffett Sarah Ann Schaefer Dina Nart Moh'd Tahamouqa Kristen Nicole Wells Xue Xia

MASTER OF ENVIRONMENTAL SUSTAINABILITY

Parker Angelos Hannah Baker Bulent Bakkal Molly Gearin Andrew Joseph Guenther Jr. Reed Philip Hathaway Megan Hodge Tia Holden Joseph Francis Mendolia Mitchell Thomas Olinger Amanda Pobega Trent Andrew Stapleton Gabrielle Stoebick

MASTER OF INTERNATIONAL AFFAIRS

Madilyn Plowman

MASTER OF PUBLIC AFFAIRS

Haider Khaqan Abbasi Saadah Al Mubti Tyler Robert Allen Alexandra Marie Ambrose Alana Appel Nidhi Arun Delanev G. Barber Christy Barton Elizabeth Beebe Jada S. Benedict Tess Anne Bladow Elizabeth Mae Brader Kevin Jerrell Burgess Alora Marie Cain Wesley Rees Cammenga Rocael A. Cardona Spencer Thomas Carella Chia-Ni Chan

Yin-Hsiu Chen Leah Clemenson Sarah Christine Coletti James Jonathon Conaway Kathryn Simpson Crary Haleigh A. Crumley Diamond Curry Kaitlyn Anne Daugherty Brianna E. Devin Ruiyue Dong Joseph Lawrence Doyle Selena Claire Drake Chelsea Durham Grider Catherine Ana Dutton Jacob George Earnhart Kelly K. Echard Kate-Lyn Sue Edwards Ryan Amnyon Edwards Brianne Karen Elian Kathryn Hunger Elliott Luke M. Fabina Bohan Feng Adam Fogel Jesse William Fowler Claire Fredin Sandrine Frem Terres Gacek Joel Andrew Garcia Colin James Gates Kelsey Ann Gembala Daniel Allan Lepman Gonzalez Katelyn Marie Goodrich Raven Z. Harvey Christine Marie Heidebrecht Jessie Virginia Hess Jessica M. Hilton Ruby Lilian Hopkins Kathryn Hutchinson Benjamin Connor Hutt Lu Jia Morgan Johnson Brandon Gregory Jones Kayla Marie Kellar Jordan Alexander Kipp Cheyanne Kratz Andrew James Kweder Eric Lawson Hayley Leach Kelly J. Leatherman Helen H. Lee Michele Ann Lefkowitz Mary C. Leier Heather Roh Leinenbach Renee Linsenmann Peyton Lynch Tianxing Ma Molly Katherine Madden Rachael Lauren McAleer Patrick J. McEachern Kendra Dionne McKnight Sung Je Moon Wilson Mosley Shijirtuya Munkhbat Colin Murphy Lynnette Renee Murphy Landon Christopher Muzzillo Elizabeth Pratt Nelson Casey Ann Nemecek Nicole Nemerovski Jason A. Otwell Kendyll Louise Owens

Whitney Parker Christopher D. Paul Scott Timothy Peterson Destiny Velencia Houston Posso Minahil Sana Qasim Blake S. Rankin Maha Kamaria Ridley Shannon Colleen Riley Owen Rogers Daniel Rubin David Michael Runnells Signe Desiree Friel Rybolt Benjamin Dean Sharaf Vatsla Sharma Adam Shifriss **Brittany Sholl** Nathan A. Steele Andrew J. Stoll Richard Stover Katherine Elizabeth Suggs Benjamin Tally Christie Michelle Tate Christian Rockwell Thiim Madison Lynn Tinkel Sydney Justine Uphouse Daniela Vidaurri Rodriguez Daria Vinchesi Daniel James Walter Christine Siving Wang Rachel Lauryn Wells Eryicka Janell Gloria Wesley Stephen Philip Westrich Regan A. Whitesell Shelby Lorann Whitler Benjamin Wilkin Lauren Ann Williams Olivia Marie Williamson Katherine Renee Wines Philip Conrad Woelmer Xue Xia **Edward Young** Zaur Zeynalov

MASTER OF SCIENCE IN ENVIRONMENTAL SCIENCE

Abigail Grace DeMeyer
Ryan Amnyon Edwards
Terres Gacek
Leah Paige Hagemeier
Ruby Lilian Hopkins
Naw Sweet Peace Thaw Mu Khu
Tianxing Ma
Jessa R. Xiaoli Magary
Lynnette Renee Murphy
Meghan Rose
Signe Desiree Friel Rybolt
Benjamin Dean Sharaf
Carson J. Swofford
Sydney Justine Uphouse
Christine Siying Wang

MASTER OF SCIENCE IN HEALTHCARE MANAGEMENT

Uiunwa Ukamaka Adirieie Hallie Cohoon Mary C. DelGrande Tomer A. Dickstein Shamima Ferdous Melanie Claire Rendeiro Forbes Maximiliano Antonio Frausto Brinkley Lynn Gary Mary E. Gilhooly Savanna L. Grady Luke A. Haag Natali Rimoun Jouzi Pooja Kantamneni Hannah Virginia Lauffer Yongchan Lee Abigail Mann Rosalind Mark Ray Martinez Gabrielle Eden Nenedijan Mackenzie Nworah Makayla Pearson Darien Nicole Pipkin Amrit Prasad Sarah Elizabeth Puetz Staphany Santana Terry Saul III Simran Saxena Emma Grace Schreiber Jennifer Sarah Siegel Gurjeet Singh Raegene Thomas Jessica Weiss

DOCTOR OF PHILOSOPHY

Renzo J. de la Riva Agüero Major: Public Policy Dissertation Title: Too Complex to Deliver? Administrative Capacity, Governance, and Waste Management in Peruvian Municipalities Research Chair: Jennifer Brass

Lienne Rochelle Sethna
Major: Environmental Science
Dissertation Title: An Ecological and
Biogeochemical Study of
Dissolved Silicon in HumanDominated Freshwater
Ecosystems
Research Chair: Todd Royer

School of Public Health

MASTER OF PUBLIC HEALTH

Bethany Grace Alvarez Kiarra N. Boenitz Jacqueline Virginia Burnell Mallory Niu Caron Danielle Ashley Doyle Amber Marie Drake Yu Du Mylan Gaston Paige Goodwine Kathleen Nicole Heeter Madison Ashley Jordan Sunja Kim Sarah E. Larson Brianna Michele Lerch Emely Olimpia Mendez Samantha Bailey O'Dell Kathryn Palano Aaron Schaidle Nicholas Adam Sergiwa Stephanie Jane Solomon Angelia Taylor Raylond Michelle Toland Dushawn Lamonte Tunstall Jr. Meegan Nicole Voss

MASTER OF SCIENCE IN APPLIED HEALTH SCIENCE

Patricia S. Blair
Troy Dean Hubbard
Nicholas Jose Jr.
Jenna L. Jungels
Hudson Lappin
Rachel Olsen
Madison Pollard
John Denis Radecki
Indervir Singh
Taylor Mackenzie Slayback
McKenna Rose Whipker-Jackson

MASTER OF SCIENCE IN ATHLETIC TRAINING

Abigail Benzinger Claire Darnell Jacob Warren Kooistra DeVries Marcus A. Ellington Emily Christine Mahan Sophia Rose Peterson Matthew Redmond

MASTER OF SCIENCE IN ENVIRONMENTAL AND OCCUPATIONAL HEALTH

Alyson Diane Alde

MASTER OF SCIENCE IN KINESIOLOGY

Reginald Archer Edson Cuiriz Robert Gardner Chanyanut Gastel Austin Levi Hall
Caroline Elizabeth Murray
Katherine Nicole Noakes
Jung Hyun Park
Benjamin William Patrick
Liam Phillips
Michaela Pillion
John Paul Sheerin
Jacob Tanner
Dustin Alan Thomas
Marcus D. Wells

MASTER OF SCIENCE IN RECREATION

Shannon J. Aleman Amber Rose Brautigam Paige Elizabeth Cahill Rachel Clifft Amber Marie Cowell **Emily Noel Gilbertson** Sarah M. Hamilton Jeremiah Johnson Chelsea Leigh Henson Kinning Claire S. Liechty Ali Paige Patberg Cynthia A. Ramlo Lindsey Rae Reardon Hannah Jo Shields Stephanie Stocks Daniella Alexandra Tartakovsky Jessica Lynn Williams

DOCTOR OF PHILOSOPHY

Troy L. Arthur
Major: Human Performance
Dissertation Title: Perceptions and
Perspectives of Black Athletic
Directors at National Collegiate
Athletic Association Division I
Institutions
Research Chair: Paul Pedersen

Kourtney A. D. Byrd Major: Health Behavior Dissertation Title: Examining the Impact of Community Violence and Health-Related Behaviors among Black, Hispanic, and Biracial Males Research Chair: David Lohrmann and Cecilia Obeng

Don Deerie Baria Dumayas
Major: Health Behavior
Dissertation Title: The Behavioral
Determinants of Social Distancing
Intentions in Reducing
Transmission of COVID-19: An
Application of the Theory of
Planned Behavior
Research Chair: Jonathan Macy

Ummu Ditya Erliana
Major: Health Behavior
Dissertation Title: Health Factors,
Sociodemographic Determinants,
and Maternal Nutrition Intake
Related to Breastfeeding
Self-Efficacy Score of Pregnant
Women and Breastfeeding
Mothers in Indiana
Research Chair: Alyce Fly

Jessica Ann Freemas
Major: Human Performance
Dissertation Title: Fluid Regulation
in Women and Men During
Physical Work in the Heat
Research Chair: Zachary Schlader

Joel Thomas Greenshields Major: Human Performance Dissertation Title: Myocardial and Pericardial Inflammation in Collegiate Athletes with Recent SARS-CoV-2 Infection Research Chair: Joel Stager

Noah Gilbert Hoback
Major: Leisure Behavior
Dissertation Title: Impacts of
Leisure Activity, Travel Patterns,
and COVID-19 Pandemic on the
Quality of Life for the Senior
Population
Research Chair: Jennifer Piatt

Kyle Kercher Major: Health Behavior Dissertation Title: Health Risk and Reward in High School Tackle Football Research Chair: Jon Macy

Sina Kianersi
Major: Epidemiology
Dissertation Title: Accuracy of Skyn
Wearable Alcohol Monitors in
Measuring Alcohol Consumption
in Naturalistic Drinking
Environments: A Network
Sampling Approach
Research Chair: Molly Rosenberg

Shieun Lee
Major: Health Behavior
Dissertation Title: Understanding
Longitudinal Relations among
Frequent Social Media Use,
Electronic Nicotine Delivery
Systems Use, Internalizing Mental
Health Problems, and
Polysubstance Use Among U.S.
Adolescents
Research Chair: Angela Chow

Kristina Mullis Major: Health Behavior Dissertation Title: Factors Associated with COVID-19 Vaccination Intentions among College Students Research Chair: Jon Macy

Madeleine Karoline Nowak
Major: Human Performance
Dissertation Title: Effects of
Subconcussive Head Impacts on
Neural Integrity and Function in
Attention-Deficit/Hyperactivity
Disorder
Research Chair: Timothy
Mickleborough

Tzung-Shiang Ou Major: Health Behavior Dissertation Title: The Long-Term Effect of Early Childhood Stressful Life Events on Mental Health and Substance Use Research Chair: Hsien-Chang Lin

Hyejin Park
Major: Health Behavior
Dissertation Title: Flavored Tobacco
Product Use and Its Influence on
Quitting Behaviors in Vulnerable
U.S. Adult Populations
Research Chair: Dong-Chul Seo

Callie Lynn Patterson
Major: Health Behavior
Dissertation Title: Personal and
Professional Experiences of
Students Involved in Sex Work in
the United States: An Interview
Study
Research Chair: Debra Herbenick

Breanna Patrice Thomas
Major: Health Behavior
Dissertation Title: Southern Living:
Healthcare Access, Violence, and
Mental Health Among
Transgender Persons in the U.S.
South
Research Chair: Brian Dodge

Celina Bustamante Thomas Major: Leisure Behavior Dissertation Title: Cheers! College Football Alcohol Sales and Game Day Incidents Research Chair: Sarah Young

Zikun Wang Major: Epidemiology Dissertation Title: Type II Diabetes Mellitus, Habitual Tea, and Coffee Intake in Relation to Risk of Non-Hodgkin's Lymphoma in U.S. Postmenopausal Women Research Chair: Zhongxue Chen

Bing-Jie Yen Major: Health Behavior Dissertation Title: Disparities in Behavioral Health Care Use before Suicide Attempts among Patients with Mental Disorders Research Chair: Hsien-Chang Lin

Jingxian Cecilia Zhang Major: Human Performance Dissertation Title: Value Co-Creation at Recurring Sport Events from Residents' and Sport Tourists' Perspectives Research Chair: Kevin Byon

36 Shariyana Sacci Shariyana S

School of Social Work

MASTER OF SOCIAL WORK

Amy Marie Barthold Jesse Chapman Jenna Chase Rvlie E. Cook Harrison Roger Damm Julianna Nichole Delano Christopher Evan Duh Kirsten M. Fox Mobie Jean Elizabeth Glaser Arielle Nicolle Hacker Rebecca Hilas Amber Nicole Holiday Constance Johnson Melissa Lynch Madison L. Magyar Jenna Marie Meadows Daia M. Palmer Matthew Luke Stone Palmer Brvnn Luisa Parkinson Whitney Payne Conner Miles Sturgeon AnneMae Valentine Todd Chloe Wallace Tyler W. Willis Rebecca Faye Wittenstein Krista Sonia Wright

University Graduate School

MASTER OF ARTS

Dinara Abakirova Itzel G. Abundis Nicole Ader Benjamin Ale-Ebrahim Lauren Ammons Bridgett Arredondo Morgan E. Barbre Violet Baron Kelly Bassemier Matthew Beil Andrew Berryhill Ouentin Beverly Ozlem Bor Amalee Bowen Christian Lee Bowling Erin Marie Brown Shelby T. Bruun Megan Kathryn Buckley Jennifer M. Byrne Emily Nicole Cain Ann Columbia Campbell David M. Castillo Wen-Hui Chen Leah Chizek **Emily Clark** Abigail Clayton Jennifer Lynne Cox Hannah Merrill Crane Alexandra Danielides MacKenzie Louise DiMarco Chloe McKenzie Dukes Avca Fatma Durmaz Arianna Evangeline Eiler Anton Ermakov Emily E. Finley Monika Cecilia Franaszczuk Elizabeth Alene Frickey Robert Gallagher Kara Genther Jodi Lvnn Gleason Hannah Goodwin

Alexandra Lvnn Gorvl

Annaka Grace Grismer

Crystal L. Harrigan-Barry

Bradi McKenna Heaberlin

Jacob Daniel Sands Jahiel

Howard Kennedy Jones III

Jan Cameron Juliani

David Michael Kortes

Justin Arras Kader

Allison L. King

Jacob King

Colin Knapp

Maymuna Najam Jamil

Leila Natalya Kawaianuhea Hyde

Megan R. Hancock

Alexis D. Haskell

Sarah Elyse Hoffman

Madison Igleheart

J'Mauri Jackson

Ryan C. Jensen

Joseph Johnson

Emily Jewell

Gabrielle Templeton Krieble Anna Kwiatkowski Kaela Rose Laughlin Helen H. Lee Laura Liang Alisha Brooke Lodewyk Madison Lynne Luken Carolyn P. Marino Manuel de Jesus Martinez Alvarenga Corentin Pierre Claude Mazet Chloe Danielle McCormick Alex Ava McGrath Molly McMinn Nora Therese McNamara Lina Ann Millsap Molly A. Miner Giada Mirelli Stella O Daniel Patrick O'Rourke Dara Michelle Parker Erin Michelle Parks Luke A. Parra Matilde Patiño Arreguín Victoria Patiño Arreguín Scout Polizzotti Suri Minu Pourmodheji Hannah Reffett Walker Rhea Claire Haley Richters Arielle Virginia Roadman Regan Rodibaugh Molly Rozelle Emily Ryan Galia Elizabeth Savvar Sarah Ann Schaefer Samantha M. Schnarr Sara V. Schumacher Megan Smith Erika Sosa Garcia Katy Rose Sparks Anna Rose Stamm Jennifer Stanley Kenneth Michael Steimel Anna Elizabeth Stoelinga Benjamin J. Storsved Taylor Streander Katherine Anne Streckert Quentin Vasily Swaryczewski Dina Nart Moh'd Tahamouga Ellen Taraskiewicz Salina A. Tesfagiorgis Katharine Emily Teykl Kelsie Thacker Jessica Renee Villacres Joseph Salvatore Vuletich Maria de los Angeles Ward **Emily Catherine Weidig** Kristen Nicole Wells Caitlin Delaney Wischmeyer Emerson V. Wolff Roy A. Woodall

Xue Xia

Sivu Yao

Jinzhe Xiang

Volha Zavarotnava

MASTER OF ARTS FOR TEACHERS

Michael William McLindon

MASTER OF FINE ARTS

Jamie Anderson Alison Laura Asagra Stoos Kayla Barta Ivy Meredith Marie Brenneman Rachel Rose Burke Angela Gail Schrader Caldwell Kathrvn Elizabeth Combs Lauren Michelle Darrouzet Amanda Nicole Dennis Laura Dawn Dzubav Elizabeth Grace Elich Ariel Forrest Natalie Michelle Gillies Susanna Herrmann Joseph David Hohman James Mathis Kane Russell Andrew Joseph Long Kori Moriah Looker Claire Riggs Miller Sophia Okotah Mary Elizabeth Scobee Phoebe Helen Baggott Scott Danielle Larissa Smith Katherine E. Spears Brandon Lee VanWormer **Emily Yurkevicz** Emily Clark Zarse

MASTER OF SCIENCE

Noof Alsulaiti Isaac David Bowser Jack Brown Zachary Richard Celentano Jasmine Lanisha Davis Billy Garret Dickson Diana Dimen Jayson Ryan Eldridge Mackenzie Michael Fahev David Joshua Ferguson James Conner Ford Ningvao Geng Saurabh Gireesan Ethan Golditch Michael Edward Goodwin Noah A. Harrison Elizabeth Anne Helms Jackson Maddux Hicks Nils Hjortnaes Paul C. Hunt Bo Anthoney Johnson Brandon Joe Kill Michael Kwakye Thomas Warne LaBarge Matt Xander Lansing Namyoon Lee Xiao Liu Sam Lobdell Shufan Lu Jarrett Maurer Summer Leigh Miller Tanner Matthew Phillips Ian P. Reynolds

Cole Brendan Seager

Caitlin Sifuentes Amara D. Spencer Dayton Elliott Stahl Alyssa Todd Vincent M. Vangelista Brian Voas Meng Yang Tongxie Zhang

MASTER OF SCIENCE IN CRIMINAL JUSTICE AND PUBLIC SAFETY

Raleigh Sell

MASTER OF SCIENCE IN CYBERSECURITY RISK MANAGEMENT

Aderinsola Oluwafeyisayo Adesida Madeline Blanev Nathan Brady Michael Darrell Clark Mark Anthony D'Costa Kristin Enyart Alicia Nicole Freel Amanda Morgan Goodridge Sean A. Hamman Johnathan Holderman Shane Kearney Sipei Li Joel Dan Mason Noah Logan Miller Alexander Bruce Murray Kevin Matthew Negangard Sylvia Ogar George Charles Osterholt Max Aaron Pasternak Raymond James Rayburn Jr. Brett Hunter Rothman Bryce W. Sharp Megan Smaga Yu Chieh Wang Charles Westerhaus

DOCTOR OF PHILOSOPHY

Noor Abo Mokh Major: Linguistics Dissertation Title: Measuring Linguistic Variation for Arabic Dialects: Syntactic Variation Research Chair: Sandra Kübler

Viktoryia Abramenka
Major: Instructional Systems
Technology
Dissertation Title: Designing
Interactions for Supporting
Authentic Learning in Online
Courses
Research Chair: Gamze Ozogul

Christopher James Agostino Major: Astronomy Dissertation Title: On the Hunt for AGN: An Exploration of the Observational Diversity of Active Galaxies Research Chair: Samir Salim Constructions of Selected Yorùbá Speech Acts: Apologies, Refusals, and Sympathies Research Chair: Samuel Obeng Ghazal Mohammed S. Alharbi

Victor Temitope Alabi

Dissertation Title: Discursive

Major: Linguistics

Major: Middle Eastern Languages and Cultures
Dissertation Title: Contemporary
Saudi Fiction in English
Translations: A Bibliographic and Analytical Study of the
Methodology of the English
Translation of the Novel
Jāhilīyah

Research Chair: Paul Losensky

Abdulrahman Saleh A. Alhayyan Major: Curriculum and Instruction Dissertation Title: In-Service Elementary Mathematics Teachers' Question Types, Depths, and Factors Influencing Their Questions Research Chair: Erik Tillema

Ahmed Saad Almutiri
Major: Middle Eastern Languages
and Cultures
Dissertation Title: The Effect of
Speech Rate on the Arabic
Manner of Articulation: Acoustics
Analysis on both Native Speakers
of Arabic and English Advanced
Learners of Arabic
Research Chair: Salman Al-Ani

Denise Ambriz Major: Sociology Dissertation Title: Examining Latinx Education in New and

Education in New and Established Destinations Research Chair: Jennifer Lee

Vafa Andalibi

Major: Computer Science
Dissertation Title: Leveraging
Machine Learning for End-User
Security and Privacy Protection
Research Chairs: L. Jean Camp and
Martin Swany

Troy L. Arthur
Major: Human Performance
Dissertation Title: Perceptions and
Perspectives of Black Athletic
Directors at National Collegiate
Athletic Association Division I
Institutions
Research Chair: Paul Pedersen

Richard Ash
Major: Higher Education
Dissertation Title: Discounting and
Discovery: How Hybrid Courses
Impact Faculty Job Contentment
in Post-Secondary Educational
Institutions
Research Chair: Thomas Nelson

Laird

Weverton Ataide Pinheiro
Major: Curriculum and Instruction
Dissertation Title: At the
Intersections: Queer High School
Students' Experiences with the
Teaching of Mathematics for
Social Justice
Research Chair: Erik Tillema

Tsun Fung Au Major: Geography Dissertation Title: Tree Growth Responses in the Context of Global Change Research Chair: Justin Maxwell

Sarah Azmeh Major: Middle Eastern Languages and Cultures

Dissertation Title: The Traditionalist in the Midst of Change: Muḥammad Al-Khiḍr Ḥusayn, The Islamic Tradition, and His Reformist Discourse in the Modern World Research Chair: John Walbridge

Robert David Badger Major: Intelligent Systems Engineering Dissertation Title: Open-Source Classification Systems for Frequency-Domain RF Signals: Robust Physical Layer Multi-

Sample Rate Processing Research Chair: Minje Kim

Haesol Bae Major: Instructional Systems Technology

Dissertation Title: How Teachers
Engage within PBL Classroom
Environments: A Multiple Case
Study of Elementary, Middle, and
High School Teachers'
Orchestration and Scaffolding
Practices

Research Chair: Krista Glazewski

Susan Lynne Batchelder
Major: Instructional Systems
Technology
Dissertation Title: Case-Based
Instruction in Entrepreneurship
Education: An Instructor's
Perspective on Implementation

Research Chair: Thomas Brush

and Gender Diversity

Krishna Chaitanya Bathina Major: Informatics Dissertation Title: Quantifying the Resilience of Technosocial Systems Using Online Social Media Data Research Chair: John Bollen Kathryn Michelle Benavidez Westrich Major: Anthropology Dissertation Title: Applying a Microbial Endocrinology Framework to Primate Ecology and Conservation Research Chair: Michael Wasserman

Savannah Bennett
Major: Evolution, Ecology, and
Behavior
Dissertation Title: Interactions
among Native and Invasive
Woodland Plants, Mammalian
Herbivores, and Soil
Communities
Research Chair: Heather Reynolds

Tessa Maura Benson-Greenwald Major: Psychology Dissertation Title: Context and the Authentic Self: The Impact of Perceived STEM Objectivity Norms on Self-Concept Beliefs and Well-being Research Chair: Amanda Diekman

Hayley Elizabeth Bertrand
Major: Mathematics
Dissertation Title: Calculations of
the Euler Characteristic of the
Coxeter Cohomology of
Symmetric Groups
Research Chair: Ayelet
Lindenstrauss

Jordan Paul Blekking Major: Geography Dissertation Title: Urbanization, Spatial Complexity, and Urban Food Security in Sub-Saharan Africa Research Chair: Kurt Waldman

Sarah Elizabeth Braley
Major: Chemistry
Dissertation Title: Rational
Electrocatalytic System Design in
the Pursuit of Mechanistic
Understanding of Nitrogen
Oxyanion Reduction

Research Chairs: Kenneth Caulton and Jeremy Smith

Brooke Ann Brown
Major: Chemistry
Dissertation Title: Pushing
Analytical Boundaries through
Charge Detection Mass
Spectrometry to Characterize
Megadalton Sized Exosomes and
Other Extracellular Particles
Research Chair: David Clemmer

Amanda Anne Burtt Major: Anthropology Dissertation Title: The Dietary Behavior of Indigenous Canids: A Multi-Method Approach Research Chair: Stacie King Ayesha Wazir Butt Major: Middle Eastern Languages and Cultures

Dissertation Title: The Islamophobia and Counter-Islamophobia Movement: A Case Study on How the Council on American-Islamic Relations (CAIR) Resists Islamophobia Research Chair: John Walbridge

Julie Michelle Button
Major: Biochemistry
Dissertation Title: Examining the
Dual Roles of the Alphavirus
Capsid Protein During Assembly
and Budding
Research Chair: Suchetana

Mukhapadhyay

Kourtney A. D. Byrd Major: Health Behavior Dissertation Title: Examining the Impact of Community Violence and Health-Related Behaviors among Black, Hispanic, and Biracial Males Research Chair: David Lohrmann

Gisela Cairo
Major: Genome, Cell, and
Developmental Biology
Dissertation Title: Temporal
Regulation of Meiotic
Chromosome Segregation
Research Chair: Soni Lacefield

and Cecilia Obeng

David James Carr Major: Astronomy Dissertation Title: Active Galaxies across Cosmic Time: AGN Demographics and Metal Abundances Research Chair: John Salzer

Julian Antonio Carrillo Major: Anthropology Dissertation Title: Safeguarding the Maroma Mixteca as Intangible Cultural Heritage Research Chair: Anya Peterson Royce

Bramsh Qamar Chandio
Major: Intelligent Systems
Engineering
Dissertation Title: Advancing White
Matter Tractometry of the Brain
Using Diffusion MRI
Research Chair: Eleftherios
Garyfallidis

Chen Sung Chang

Major: Curriculum and Instruction;
History, Philosophy, and Policy in
Education
Dissertation Title: Jacques
Maritain's Ontology and Its
Applications: The Construction of
an Ontology of Play and an
Analysis of Pierre Bourdieu's
Theory of Art as Play
Research Chairs: Phil Carspecken
and Marjorie Manifold

Ting-Han Chang Major: Higher Education Dissertation Title: A Critical Study of How College Student Leaders of Color Conceptualize Social Justice Leadership Research Chair: Lucy LePeau

Parama Chaudhuri Major: Instructional Systems Technology Dissertation Title: A Study of Secondary Online Teaching Experience During COVID-19 Research Chairs: Elizabeth Boling and Anne Leftwich

Kairong Chen Major: Economics Dissertation Title: Essays on International Trade Research Chairs: Mostafa Beshkar and Volodymyr Lugovskyy

Yue Chen Major: Linguistics Dissertation Title: Multimodal Emotion Recognition with Audio and Text Research Chair: Sandra Kübler

Hin Cheung
Major: Vision Science
Dissertation Title: ReflectanceBased Structural Quantification of
the Healthy and Glaucomatous
Retinal Nerve Fiber Layer using
Spectral Domain Optical
Coherence Tomography
Research Chair: William Swanson

Ian Thomas Cicco
Major: Music Education
Dissertation Title: The History,
Nature, and Use of Folk Songs:
An Examination of Racist Origins
in Elementary General Music
Repertoire
Research Chair: Lauren Kapalka
Richerme

Braiden Coleman Major: Business Dissertation Title: Does the Quality of SEC FOIA Responses Matter for Investors? Evidence from Investigation-Related Requests Research Chair: Brian Miller

Megan Corinne Connor
Major: Media Arts and Sciences
Dissertation Title: Cover Girls: Teen
Magazines and the Construction
of Celebrity Girlhood
Research Chairs: Radhika
Parameswaran and Brenda Weber

Lucia Cores Sarria
Major: Cognitive Science; Media
Arts and Sciences
Dissertation Title: The "Breathing"
Camera: Psychological Effects of
Human-Like Camera Flow in
Visual Narratives
Research Chairs: Geoffrey Bingham
and Annie Lang

Jennifer Lynn Cox Major: Curriculum and Instruction Dissertation Title: Confidence, Compliance, and Competitiveness: A Pragmatic Approach to Investigating Mathematics Anxiety in High School Students Research Chair: Sarah Lubienski

Giselle Dejamco Cunanan Major: American Studies Dissertation Title: Ethnic Studies Now: Racial Labor in a Multicultural Moment Research Chair: Micol Seigel

Ashley Rachel Dainas
Major: Information Science
Dissertation Title: The GIF that
Keeps on Giving: Sender and
Receiver Interpretations and
Misconstruals of GIFs
Research Chair: Susan Herring

Bria Nichole Davis
Major: Learning and Developmental
Sciences
Dissertation Title: Flipping the
Script: Examining How Preservice
Teachers Appropriate Universal
Design for Learning and
Culturally Relevant Pedagogy as
Tools to Confront and Dismantle
Systemic Racism and Ableism
within Educational Contexts
Research Chair: Joshua Danish

Renzo J. de la Riva Agüero
Major: Public Policy
Dissertation Title: Too Complex to
Deliver? Administrative Capacity,
Governance, and Waste
Management in Peruvian
Municipalities
Research Chair: Jennifer Brass

Christie Brooke Debelius Major: English Dissertation Title: Women Poets and Media Theory in British Romanticism Research Chair: Nicholas Williams

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Jayati Dev Major: Informatics Dissertation Title: Privacy-Preserving and Inclusive Conversational Interfaces Research Chair: L. Jean Camp

Ashley Elizabeth DeYong
Major: Chemistry
Dissertation Title: Automated
Continuous-Flow Synthesis of
O-Linked Fucosylated Derivatives
and Glycopeptides
Research Chair: Nicola Pohl

Megan Rita DiBartolomeo
Major: Spanish
Dissertation Title: Moving beyond
Lo Siento: The Effect of
Instruction on the Production and
Perception of Apologies in L2
Spanish

Research Chairs: Kathleen Bardovi-Harlig and Cesar Felix-Brasdefer

Lucas Do Rego Barros Brasilino Major: Intelligent Systems Engineering Dissertation Title: Hardware-Accelerated Data Distillation at the Network's Edge Research Chair: Martin Swany

Marissa Ann Dobulis
Major: Chemistry
Dissertation Title: Probing Valence,
Temporary, and Non-Valence
Anions via Anion Photoelectron
Spectroscopy
Research Chair: Caroline Chick
Jarrold

Don Deerie Baria Dumayas
Major: Health Behavior
Dissertation Title: The Behavioral
Determinants of Social Distancing
Intentions in Reducing
Transmission of COVID-19: An
Application of the Theory of
Planned Behavior
Research Chair: Jonathan Macy

Stewart Duncan Major: Musicology Dissertation Title: Choral Singing and English Politics in the 1930s Research Chair: Halina Goldberg

Lauren Ann Easterling
Major: Instructional Systems
Technology
Dissertation Title: The Form and
Nature of Collaborative Faculty
Development Activities in Higher
Education Institutions—An
Activity System Analysis
Research Chair: Elizabeth Boling

Ummu Ditya Erliana
Major: Health Behavior
Dissertation Title: Health Factors,
Sociodemographic Determinants,
and Maternal Nutrition Intake
Related to Breastfeeding
Self-Efficacy Score of Pregnant
Women and Breastfeeding
Mothers in Indiana
Research Chair: Alyce Fly

Rachel Elizabeth Fadler Major: Chemistry Dissertation Title: Rigidity and Flexibility in Cyanostar and Organophosphate Assemblies Research Chair: Amar Flood

Bo Feng
Major: Intelligent Systems
Engineering
Dissertation Title: Deep Learning
for Spatiotemporal Prediction
Problems
Research Chair: Geoffrey Fox

Kane Elizabeth Ferguson
Major: Spanish
Dissertation Title: Culinary
Negotiations of Migration and
Exile: Belonging and Foodways in
Diaspora Literature of the
Spanish-Speaking Caribbean
Research Chair: Anke Birkenmaier

Stefon Michael Flego
Major: Germanic Studies;
Linguistics
Dissertation Title: Modeling the
Role of Information-Theoretic
Factors in the Emergence of
Vowel Quality Mutation
Research Chairs: Kelly Berkson and
Tracy Hall

Jessica Ann Freemas Major: Human Performance Dissertation Title: Fluid Regulation in Women and Men During Physical Work in the Heat Research Chair: Zachary Schlader

Nicole Rachel FritzWilliams
Major: Media Arts and Sciences
Dissertation Title: Yes, No, and
Maybe: The Creation of a
Multidimensional Scale to
Measure Sexual Consent
Behavioral Intentions and the
Exploration of the Role of
Campus Sexual Health Messages
Research Chair: Lesa Hatley Major

Shanalee Shenagay Gallimore
Major: Higher Education
Dissertation Title: I'm Not Your
Superwoman: A Narrative Inquiry
of Black Women in Graduate
STEM Programs and Their
Holistic Well-Being
Research Chair: Lucy LePeau

Feier Gao Major: Linguistics Dissertation Title: Mandarin Tonal Alternations and Implications Research Chair: Stuart Davis

Benjamin Harry Robert Gerroll Major: Chemistry Dissertation Title: Electrochemical Investigations of Direct and Catalytic Reactions Research Chair: Lane Baker

Nandhini Giri
Major: Media Arts and Sciences
Dissertation Title: An Enjoyable
Approach to Design Expertise in
Gaming and Interactive
Entertainment Industry Practices
Research Chairs: Mike Sellers and
Andrew Weaver

Esen Gokpinar-Shelton
Major: Higher Education
Dissertation Title:
Internationalization in U.S.
Higher Education: How Do
Undergraduate Global Learning
Outcomes Relate to Four-Year
Institutions' Structural,
Interactional, Programmatic
International Diversity, and
Academic Disciplines?
Research Chair: Alexander
McCormick

Nayely Gonzalez
Major: Counseling Psychology
Dissertation Title: Greek Life
Affiliation and Perceptions of
Campus Regarding Sexual
Violence: Impact on Bystander
Intervention Confidence
Research Chair: Ellen Vaughan

Mark David Greci Major: Genome, Cell, and Developmental Biology Dissertation Title: The Priming of DNA Replication in Archaea Research Chair: Stephen Bell

Joel Thomas Greenshields
Major: Human Performance
Dissertation Title: Myocardial and
Pericardial Inflammation in
Collegiate Athletes with Recent
SARS-CoV-2 Infection
Research Chair: Joel Stager

Forrest Greenwood Major: Communication and Culture Dissertation Title: The Nintendo DS Platform Research Chair: Stephanie DeBoer Benjamin Michael Greulich Major: Cellular, Molecular, and Cancer Biology Dissertation Title: Regulation of ERG Function in Prostate Cancer Research Chair: Peter Hollenhorst

Stephanie Lauren Gummersheimer Major: Microbiology Dissertation Title: Role of Reovirus Core Proteins in Entry and Early Replication Research Chair: Pranav Danthi

Renyu Guo Major: Chemistry Dissertation Title: Development and Application of Novel Cycloadditions to Access Three-Dimensional Molecules Research Chair: Kevin Brown

Thomas Charles Hagenberg
Major: Business
Dissertation Title: Does the
Increased Availability of
Transaction-Level Disclosure
Exacerbate Systemic Risk?
Research Chair: Leslie Hodder

Wontack Han
Major: Computer Science
Dissertation Title: Computational
Methods for Comparative
Analysis of Microbiome Related
to Human Diseases
Research Chair: Yuzhen Ye

Christina Michelle Harrison-Wilkins Major: Folklore and Ethnomusicology Dissertation Title: "A Place to Be": The Negotiation of Genre and Identity by Four Black Singer-Songwriters in Nashville Research Chair: Daniel Reed

Eleanor Ann Hasken Major: Folklore and Ethnomusicology Dissertation Title: The Migration of a Local Legend: The Case of Mothman Research Chair: Diane Goldstein

Kyle Andrew Heatherly
Major: Mass Communications
Dissertation Title: Just the Right
Dose of (In)Civility: Consensus,
Polarization, and Imitation in
Political Communication
Research Chair: Sung-Un Yang

Kirstin Ane Helstrom
Major: Literacy, Culture, and
Language Education
Dissertation Title: What Lies
Beneath: Exploring Beliefs and
Practices of Legal Writing
Education toward Increasing
Transparency in Legal Academia
Research Chair: Mary Beth Hines

Stephen Craig Hiller
Major: Higher Education
Dissertation Title: College Teaching
at the Intersections of
Institutional and Disciplinary
Cultures and Faculty Identities
Research Chair: Thomas Nelson
Laird

Noah Gilbert Hoback
Major: Leisure Behavior
Dissertation Title: Impacts of
Leisure Activity, Travel Patterns,
and COVID-19 Pandemic on the
Quality of Life for the Senior
Population
Research Chair: Jennifer Piatt

Breanya C. Hogue
Major: Literacy, Culture, and
Language Education
Dissertation Title: A Case Study
Examining A Pre-Service Teacher
Informal Community of Practice
Established to Address Urban
Education Needs
Research Chair: Mitzi Lewison

Joseph Brian Holmes Jr.
Major: Physics
Dissertation Title: Collective
Phenomena in Optically Active
Nanostructured Materials
Research Chair: Bogdan Dragnea

Chien-Han Hsiao Major: Linguistics Dissertation Title: Code-Switching Between Typologically Similar Languages—Data from Mandarin-Taiwanese Code-Switching Research Chair: Kelly Berkson

Xiaoqian Hu Major: History and Philosophy of Science Dissertation Title: Three Pillars— The Principle of the Identity of Indiscernible (PII), Determinism,

and Locality: Saying the Quiet

Part Out Loud Research Chair: Amit Hagar

Sheng-Yuan Huang Major: Chemistry Dissertation Title: Fabrication and Characterization of Nanoscale Devices for Resistive-Pulse Sensing and Nanoplasmonics Research Chair: Stephen Jackson

Ivan Jacob Huerfano
Major: Chemistry
Dissertation Title: Multifaceted
Approaches to Small Molecule
Activation: Surface and Synthetic
Strategies for Reductive
Transformations
Research Chair: Kenneth Caulton

Hannah Quinn Hughes
Major: Microbiology
Dissertation Title: Regulation of
Mannose-Sensitive
Hemagglutinin Pili in Vibrio
cholerae
Research Chair: Ankur Dalia

Edgar J. Jamison-Koenig
Major: Mass Communications
(Telecommunications)
Dissertation Title: Continuous and
Summative Experiences of
Musical Complexity and Intensity
Research Chair: Robert Potter

Dylan Stewart Jarrett Major: Spanish Dissertation Title: Epistemic Adverbs of Low Speaker-Commitment in Colombian Spanish Research Chair: Patricia Amaral

Soojin Jeong Major: Chemistry Dissertation Title: Chemical Design Of Metallic Nanocrystal Electrocatalysts Research Chair: Xingchen Ye

Weejeong Jeong
Major: Literacy, Culture, and
Language Education
Dissertation Title: The Effects of
Certain Linguistic Features and
Genre of Test Prompt as
Predictors of College Writing
Placement

Research Chairs: Beth Lewis Samuelson and Raymond Smith

Xiaokai Jia Major: Instructional Systems Technology Dissertation Title: Instructors' Strategies to Support Student Reflection in Service-Learning Research Chair: Anne Leftwich

James Edgar Johnstone
Major: Chemistry
Dissertation Title: Measurements of
the Influence of Shell Structure
on Near-Barrier Fusion for
Neutron-Rich Nuclei
Research Chair: Romualdo deSouza

Eric F. Jones
Major: History, Philosophy, and
Policy in Education
Dissertation Title: On a New
Conception of Evaluation:
Exploring the Potential for
Human Performance Assessment
Grounded in Peircean Semiotics
Research Chair: Phil Carspecken

Mansi P. Joshi Major: Psychology Dissertation Title: Beyond Boys' Clubs: How Female Leaders Shape Perceived Network Structure in STEM Research Chair: Amanda Diekman Swapna Chandrashekhar Joshi Major: Informatics Dissertation Title: Community-Robot Interaction Research Chair: Selma Sabanovic

Justin Arras Kader Major: Astrophysics (Astronomy) Dissertation Title: The Stellar Populations of Milky Way Bulge Globular Clusters Research Chair: Catherine Pilachowski

Jayanath Chamindu Sandanuwan Kadupitiya Kadupitige Major: Intelligent Systems Engineering Dissertation Title: Enhancing Nanoscale Simulations with Machine Learning and Advanced Cyberinfrastructure Research Chair: Vikram Jadhao

Hadar Karmazyn Raz Major: Psychology Dissertation Title: Beyond Naming Moments: A Model of How Time-Extended Social Interactions Support Rapid Object Name Learning in Infants Research Chair: Linda Smith

Nijia Ke Major: Biochemistry Dissertation Title: Reciprocal Regulation of Metabolism in Rhodobacter capsulatus under Redox Changes Research Chairs: Carl Bauer and Peter Hollenhorst

Kyle Kercher Major: Health Behavior Dissertation Title: Health Risk and Reward in High School Tackle Football Research Chair: Jon Macy

Mallory Kathleen Kern
Major: Chemistry
Dissertation Title: Automated
Solution-Phase Synthesis of
Thioglycoside Analogues Using
Linear and Convergent Synthetic
Methods
Research Chair: Nicola Pohl

Mahsa Khodaee
Major: Geography
Dissertation Title: Integrating
Remote Sensing and Field
Observations to Investigate the
Impacts of Vegetation Dynamics
on Emergent Ecological and
Hydrological Processes at the
Watershed Scale
Research Chairs: Taehee Hwang and

Scott Robeson

Sina Kianersi Major: Epidemiology Dissertation Title: Accuracy of Skyn Wearable Alcohol Monitors in Measuring Alcohol Consumption in Naturalistic Drinking Environments: A Network Sampling Approach Research Chair: Molly Rosenberg

DongInn Kim Major: Computer Science Dissertation Title: Integrating Human and Machine Intelligence to Secure the Web Browsing, IoT, and Control Plane Safety for the Edge of the Network Research Chair: L. Jean Camp

Min-Hyeok Kim Major: Political Science Dissertation Title: Re-imagining Liberty in Postwar Japan: A Critical Reconstruction of Maruyama Masao's Thought Research Chair: Aurelian Craiutu

Sunwoo Kim Major: Intelligent Systems Engineering Dissertation Title: Model Compression for Efficient Machine Learning Inference Research Chair: Minje Kim

Hoi Na Kung Major: English Dissertation Title: Sensory Disorder in African American and Asian American Literature Research Chair: Shane Vogel

Tony Jong Heng Lam Major: Informatics Dissertation Title: Computational Methods for Studying Microbial **Community Interactions** Research Chair: Yuzhen Ye

Byeonggwan Lee Major: Business Dissertation Title: The Relationship between Marketing and Product-Market Rivalry Research Chairs: Neil Morgan and Lopo Rego

Homin Lee Major: Mathematics Dissertation Title: Rigidity Phenomena of Higher Rank Research Chair: David Fisher

Shieun Lee Major: Health Behavior Dissertation Title: Understanding Longitudinal Relations among Frequent Social Media Use, Electronic Nicotine Delivery Systems Use, Internalizing Mental Health Problems, and Polysubstance Use Among U.S. Adolescents Research Chair: Angela Chow

Gloria Lopez Major: History Dissertation Title: From Exclusion to Claims of Belonging:

Leveraging Ethnic Heritage in Los

Angeles, 1930 to the Present Research Chair: John Bodnar

Nancy Brown Lundin Major: Neuroscience; Psychology Dissertation Title: Disorganized Speech in Psychosis: Computational and Neural Markers of Semantic Foraging and Discourse Cohesion Research Chairs: William Hetrick and Peter Todd

Sara Marie Lyness Reifel Major: Higher Education Dissertation Title: Faculty Motivation to Participate in Instructional Development Programs Research Chair: Victor Borden

Mary Caitlin Mahaffy Major: English Dissertation Title: Beastly Bodies and Behaviors: Defining the (Un) Natural in the Long Early Modern Period

Research Chair: Linda Charnes

Adam Manlove Major: Business Dissertation Title: The Effect of Increased Private Tax Disclosure on the Relevance of Reserves for **Uncertain Tax Positions** Research Chairs: Sonja Rego and **Bridget Stomberg**

Rashid Carlos Jamil Marcano-Rivera Major: Political Science Dissertation Title: Networked Varieties of Capitalism Research Chairs: Timothy Hellwig and William Winecoff

Abed Al Hameed Marie Major: Economics Dissertation Title: Essays on Banking and International Trade Research Chairs: Daniel Carvalho and Volodymyr Lugovskyy

Eric McKenzie Major: Chemistry Dissertation Title: Catalytic Electroreduction of Polyhalogenated Phenols Research Chair: Stephen Jacobson

Hunter Nicholas McKenzie Major: Second Language Studies Dissertation Title: Intractable Constructions: Relexification and Lexical Relativity in the Second Language Acquisition of the Dative Alternation Research Chair: Rex Sprouse

Trevor Alan McMichael Major: English Dissertation Title: Everyday Revenge and British Romanticism Research Chair: Monique Morgan

Brent Caleb McPherson Major: Psychology Dissertation Title: Reproducible Structural Connectomics on the Research Chair: Franco Pestilli

Brandon Michael Merritt Major: Speech and Hearing Sciences Dissertation Title: Perceptual Representation of Speaker Gender: Social Networks and Schemas Research Chair: Tessa Bent

Donté Marquis Miller Major: Higher Education Dissertation Title: FDT: Black Students' Oppositional Consciousness Cultivation Against Sociopolitical Issues Through The BSU Research Chair: Lucy LePeau

Aehong Min Major: Informatics Dissertation Title: Extending and Facilitating Informal Care Networks for People with **Epilepsy and Caregivers** Research Chair: Patrick Shih

Seyednehnood Momenzadeh Major: Informatics Dissertation Title: Economic Study on the Future of Cryptocurrencies Research Chair: L. Jean Camp

Sromana Mukherjee Major: Genome, Cell, and Developmental Biology Dissertation Title: Adaptive Homeostasis Driven by Tissue-Specific MicroRNAs in the Drosophila Adult Intestinal Stem Cell Lineage Research Chair: Nicholas Sokol

Catherine Anne Mullen Major: Folklore and Ethnomusicology Dissertation Title: The Power of the Popular: Examining Community Music Archives as Affective Tools for Equitable Archival Practice Research Chair: Daniel Reed

Kristina Mullis Major: Health Behavior Dissertation Title: Factors Associated with COVID-19 Vaccination Intentions among College Students Research Chair: Jon Macy

Kathleen Marie Munley

Major: Evolution, Ecology, and Behavior Dissertation Title: Melatonin as a Neuroendocrine Regulator of Seasonal Aggression in Siberian Hamsters (*Phodopus sungorus*) Research Chair: Gregory Demas

Vaishnavi Muralikrishnan Major: Cellular, Molecular, and Cancer Biology Dissertation Title: Targeting

ALDH1A1 and Regulatory Networks That Support Ovarian Cancer Stemness

Research Chair: Kenneth Nephew

Daniel Thomas Latimer Myers Major: Geography Dissertation Title: Improved Hydrological Modeling of Great Lakes Basin Including Calibration Period Selection and Rain-on-**Snow Simulation** Research Chair: Darren Ficklin

Emily Meredith Neubert Major: Business Dissertation Title: Three Essays on Entrepreneurial Decision Making and Financial Resource Acquisition

Research Chairs: Greg Fisher and Donald Kuratko

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