

Commencement

UF | UNIVERSITY *of*
FLORIDA

Commencement
SPRING 2024



Greetings from the President

On behalf of the University of Florida, our faculty, and the entire university community, congratulations to all of the Doctoral Graduates of 2024.

To earn your doctoral degree from this great university, you've endured many years of late nights, hard work, big debates, rigorous analysis, and painstaking presentation of your findings.

We appreciate your attention to detail and your mindfulness of the big picture, your search for connections and for contradictions, and your small steps toward big leaps. We appreciate your countless hours of focused attention in the classroom, library, lab, field, studio, or clinic.

And now, we get to celebrate together! Alongside your family members, friends, study partners, faculty advisors, and mentors (Albert and Alberta, too), we're honored to join you today.

You're graduating from UF during an amazing period in human history. This era of tech and digital disruption will prize flexibility and reinvention. We want to keep building a community of lifelong learners who engage in new ideas, welcome complicated truths, and rejoice in the challenges put before us.

Today is just one day that we get to celebrate your success, and we look forward to many more opportunities. You will always have a home here at the University of Florida.

Best wishes and Go Gators!



Ben Sasse



University of Florida President

Dr. Ben Sasse

Ben Sasse joined the University of Florida as a professor and 13th president of the 170-year-old institution in February 2023.

A husband, father, historian, Uber driver, and football addict, Ben is committed to guiding Gator Nation through this era of rapid change in the nature of work, technology, and higher education.

As the leader of Florida's flagship land-grant university, Ben has moved swiftly to cultivate fresh leadership, construct a UF-wide strategic planning initiative, and ground UF's priorities in making the highest and best use of public funds. He has sought to establish goals that are critical to Gators and the state: more applied research, more focus on lifelong learning for students, and faster, more nimble engagement with exceptional partners.

Ben believes that Florida is the most dynamic state in the Union — with a diverse economy, fast-growing population, and vast outside investment. He sees UF as uniquely positioned to help Floridians maximize the state's potential as an economic and cultural juggernaut.

Twice elected to the United States Senate and a two-time *New York Times* national best-selling author, Ben's career has spanned the private and public sectors.

Passionate about education and teaching, Ben taught at Yale University, the University of Texas, and Midland University in his Nebraska hometown. Professor Sasse has won teaching awards and holds a history Ph.D. from Yale, where his dissertation won both the Egleston and Theron Rockwell Field best dissertation prizes.

Ben and his wife, Melissa, have two college-age daughters and a younger son. Ben, Melissa, and Breck live on campus in the Dasburg House with multiple dogs and Breck's lizard, Dart, who is delighted to call humid subtropical Gainesville home.

University of Florida Leadership

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President and President's Cabinet

Ben Sasse, Ph.D.
President
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Interim Chief Financial Officer
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Interim Chief Executive Officer - UF Health Shands Hospital
David Kratzer, M.S.
Senior Vice President - Construction, Facilities, and Auxiliary Operations
Maria Gutierrez Martin, B.A.
Interim Vice President - Advancement
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President and Chief Executive Officer - UF Health
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Vice President - Research
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Vice President and Chief Enrollment Strategist
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Vice President - Innovation and Partnerships
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Vice President - PreK-12 and Pre-Bachelor's Programs
Jim Staten, B.S.
Senior Advisor to the President
Scott Stricklin, B.S.
Director - Athletics
James Wegmann, B.A.
Vice President - Communication
Heather White, Ph.D.
Vice President - Student Life

Deans of the University

R. Elaine Turner, Ph.D.
College of Agricultural and Life Sciences

Jennifer Setlow, M.F.A.
Interim, College of the Arts

Sabyasachi Mitra, Ph.D.
Warrington College of Business

A. Isabel Garcia, D.D.S., M.P.H.
College of Dentistry

Chimay Anumba, Ph.D.
College of Design, Construction and Planning

Glenn E. Good, Ph.D.
College of Education

Forrest J. Masters, Ph.D.
Interim, Herbert Wertheim College of Engineering

Nicole L. P. Stedman, Ph.D.
The Graduate School

Michael "Mike" Reid, Ph.D.
College of Health and Human Performance

Marta L. Wayne, Ph.D.
International Center

Hubert Brown, M.A.
College of Journalism and Communications

Merritt McAlister, J.D.
Interim, Fredric G. Levin College of Law

David "Dave" E. Richardson, Ph.D.
College of Liberal Arts and Sciences

Jennifer Hunt, M.D., M.Ed.
Interim, College of Medicine

Shakira Henderson, Ph.D., D.N.P., M.S., M.P.H., E.M.B.A.
College of Nursing

Peter Swaan, Ph.D., M.Pharm.
College of Pharmacy

Beth A. Virnig, Ph.D., M.P.H.
College of Public Health and Health Professions

Dana N. Zimmel, D.V.M.
College of Veterinary Medicine

Judith C. Russell, M.S.
University Libraries

Christopher Summerlin, Ph.D.
Dean of Students

COMMENCEMENT AGENDA - THURSDAY, MAY 2, 9 A.M.

Presiding	Ben Sasse <i>President</i>
Processional	Gainesville Brass Quintet
National Anthem	Anthony Offerle <i>Vocalist</i> Gainesville Brass Quintet
Welcome	Ben Sasse
Introductions	J. Scott Angle <i>Provost and Senior Vice President for Academic Affairs</i>
Commencement Address	Gilbert R. Upchurch, Jr., MD <i>The Edward M. Copeland and Ann & Ira Horowitz Chair of Surgery, UF College of Medicine</i>
Presenting Candidates for Degrees	J. Scott Angle
Conferring of Degrees	Danaya C. Wright <i>Member, UF Board of Trustees</i>
Recognition of Graduates	Ben Sasse
Closing Remarks	Ben Sasse
Alma Mater	Anthony Offerle Gainesville Brass Quintet
Recessional and Postlude	Gainesville Brass Quintet

Commencement Speaker

Gilbert R. Upchurch, Jr., MD

*The Edward M. Copeland and Ann & Ira Horowitz
Chair of Surgery*

Gilbert R. Upchurch, Jr., MD, is the Copeland-Horowitz chair at the University of Florida (UF) College of Medicine's department of surgery. He joined UF in 2017 with an international reputation as an acclaimed clinician, researcher, and educator. Earning his medical degree at the University of North Carolina at Chapel Hill, Dr. Upchurch trained at Harvard University's Brigham and Women's Hospital and the Cleveland Clinic. Before joining UF, Dr. Upchurch was the chief of vascular and endovascular surgery in the surgery department and the medical director of the Heart and Vascular Center at the University of Virginia, where he was also the William H. Muller Jr. professor of surgery.

Dr. Upchurch is a clinician scientist with four NIH RO1s to study aortic aneurysms. He has given more than 475 lectures while publishing more than 485 papers in refereed journals and 110 book chapters. Dr. Upchurch is active in numerous peer-reviewed journals, serving on the editorial boards of the *Annals of Surgery*, *JACS*, and *JAMA Surgery*. He has also served as an editor or associate editor on 15 books, including multiple editions of *Fischer's Mastery of Surgery*, *Greenfield's Surgery: Scientific Principles and Practice*, *Clinical Scenarios in Surgery*, and *Rutherford's Vascular Surgery*.

Dr. Upchurch is a fellow of the American College of Surgeons and a distinguished fellow of the



Society for Vascular Surgery. He is a member of the American Surgical Society and The Halsted Society. He is currently the president of the Southern Surgical Association, the oldest surgical society in the United States, and the past president of the Society for Clinical Vascular Surgery and of the Southern Association for Vascular Surgery. He has served as the chair of the Vascular Surgery Board and the Nominating Committee of the American Board of Surgery. He is presently one of 13 directors on the American Board of Surgery. He was elected to the National Academy of Medicine in 2021.

GRADUATE SCHOOL

NICOLE L. P. STEDMAN, PH.D., ASSOCIATE PROVOST AND DEAN OF THE GRADUATE SCHOOL

DOCTOR OF PHILOSOPHY

Brahim Afrit

Major: *Religion*

Dissertation: God's People: Politics, Religion, and Nation-State in Algeria

Dissertation Chair: B. Soares

Sameera Viraja Akella

Major: *Sociology*

Dissertation: Beyond Just Managing Hopelessness: The Health-Seeking Processes and Negotiations for Queer and/or Trans Black, Indigenous, People of Color in the United States

Dissertation Chair: C. F. Gattone

Dissertation Co-chair: K. L. Broad

Othman F. Alasfoor

Major: *Mechanical Engineering*

Dissertation: Effect of Particle Shape and Roughness in a Microencapsulated Phase Change Material Slurry Flowing in a Circular Tube

Dissertation Chair: S. A. Sherif

Bryan R. Alava

Major: *Medical Sciences—Physiology and Functional Genomics*

Dissertation: Skeletal Muscle Abnormalities in Tauopathy

Dissertation Chair: K. A. Esser

Dissertation Co-chair: J. F. Abisambra

Belay Worku Alem

Major: *Anthropology*

Dissertation: Heirs' Property in African American Community, Alachua County, Florida: Inheritance, Security, Use, and Taxation

Dissertation Chair: B. H. Chalfin

Nurah H. Alfowzan

Major: *Design, Construction and Planning*

Dissertation: Enabling Third Places of Healthcare Environments in the Post-Pandemic Era

Dissertation Chair: S. Valipoor

Dissertation Co-chair: M. B. Portillo

Mohamed Ali

Major: *Entomology and Nematology*

Dissertation: Strategic Improvement of Asian Citrus Psyllid and Citrus Pest Management

Dissertation Chair: J. A. Qureshi

Ali Rashed Alruzuq Sr.

Major: *Geography*

Minor: *Geology*

Dissertation: Hydromorphodynamic and Sedimentation Variations in the Lower Apalachicola River System

Dissertation Chair: J. Mossa

Tyler Anthony Alsup

Major: *Chemistry*

Dissertation: Discovery, Biosynthesis, and Engineering of Bacterial Diterpenoids

Dissertation Chair: J. D. Rudolf

Hannah Grace Anderson

Major: *Mathematics*

Dissertation: Mathematical Model of Glioblastoma-Immune Dynamics: Applications to Immunotherapy

Dissertation Chair: T. Wheeler

Evan Anguish

Major: *Materials Science and Engineering*

Dissertation: Synthesis and Characterization of Cubic Phase of $\text{Hf}_{0.5}\text{Zr}_{0.5}\text{O}_2$ Nanoparticles

Dissertation Chair: J. Andrew

Benjamin Tyler Anthony

Major: *Materials Science and Engineering*

Dissertation: Quantifying the Role of Coarse Intermetallic Particles on Twinning Behavior in Magnesium Alloys

Dissertation Chair: V. M. Miller

Marliz Arteaga

Major: *Interdisciplinary Ecology*

Dissertation: Multilevel Environmental Governance in the Amazon: The Case of Madera Hydroelectric Dam Complex
Bolivia and Brazil

Dissertation Chair: S. G. Perz

Danielle Francesca Aycart Mite

Major: *Nutritional Sciences*

Dissertation: Protein Supplementation Strategies for Adults with Chronic Kidney Disease

Dissertation Chair: J. M. Andrade

Yunkai Bai

Major: *Electrical and Computer Engineering*

Dissertation: Remote Access to Side-Channel for Real-Time Offensive and Defensive Security

Dissertation Chair: D. J. Forte

Mario Daniel Baquedano Aguilar

Major: *Electrical and Computer Engineering*

Dissertation: Models and Algorithms Based on Spectral Clustering for Enhancing the Operation, Protection, and Control of
Modern Power Systems

Dissertation Chair: S. P. Meyn

Saiid Samadi Barker

Major: *Nutritional Sciences*

Dissertation: Roles of ZIP14 in Metal-Ion Homeostasis and Toxicity

Dissertation Chair: M. D. Knutson

Ashley Barratclough

Major: *Veterinary Medical Sciences*

Dissertation: Age Estimation in Bottlenose Dolphins (*Tursiops Spp.*); Epigenetics as a Conservation Tool

Dissertation Chair: R. Francis-Floyd

Dissertation Co-chair: I. V. Larkin

Brandon Scott Battas

Major: *Materials Science and Engineering*

Dissertation: Investigating Irradiation-Enhanced Densification in UO_2 through Mesoscale and Macroscale Modeling

Dissertation Chair: M. Tonks

Christian A. Bedwell

Major: *Civil Engineering*

Dissertation: Advances in Modelling Residential Infrastructure Vulnerability to Hurricane Wind and Flood-Induced Damage

Dissertation Chair: K. R. Gurley

Aritra Bhattacharyay

Major: *Electrical and Computer Engineering*

Dissertation: AI-Assisted Exploration of Attacks and Defenses on Hardware Designs

Dissertation Chair: S. Bhunia

Shambhavi Bhushan

Major: *Anthropology*

Dissertation: Moving through Life: African Migrants' Strategies and Socio-Spatial Relations in Bengaluru, India

Dissertation Chair: A. Kane

Dissertation Co-chair: B. H. Chalfin

Xiaoxing Bian

Major: *Interdisciplinary Ecology*

Dissertation: A Multi-Dimensional Assessment on the Co-Existence of the Snow Leopard and Local Pastoralist Communities in the Changtang, China

Dissertation Chair: V. K. Hull

Dissertation Co-chair: M. K. Oli

Robinson Botero Arias

Major: *Wildlife Ecology and Conservation*

Dissertation: Population Trends and Dynamics, Reproductive Ecology, and Management of Black Caiman (*Melanosuchus niger*) in the Middle Sõlimoes River, Mamirauá Reserve, Brazil

Dissertation Chair: B. A. Loiselle

Dissertation Co-chair: J. G. Blake

Andrew Austin Brock

Major: *Pharmaceutical Sciences*

Dissertation: Understanding Heterogeneity and the Complexity of Extracellular Vesicles through the Development of a 3D Printing Single Vesicle RNA Sequencing Platform

Dissertation Chair: T. D. Schmittgen

Hannah Louise Powlesland Brown

Major: *Counseling Psychology*

Dissertation: Activism as Resistance: Does Trans Activism Moderate the Relationship between Gender-Related Discrimination and Psychological Distress?

Dissertation Chair: B. Moradi

Dissertation Co-chair: A. N. Zucker

James Terrance Brown

Major: *Entomology and Nematology*

Dissertation: Exploring *Drosophila suzukii* (Diptera: Drosophilidae) Preference and Behavior in Managed Crops and Natural Areas

Dissertation Chair: O. E. Liburd

Troy B. Bryant

Major: *Electrical and Computer Engineering*

Dissertation: Sensing, Quantizing, and Security: Improving IoT Performance and Reliability

Dissertation Chair: N. Maghari

Elizabeth Cary Calienes Lay

Major: *Design, Construction and Planning*

Dissertation: Designing for Authenticity: Millennial Perceptions of Retail Design Environments

Dissertation Chair: N. Park

Dissertation Co-chair: E. K. Cunningham

Camden Gerardo Camacho

Major: *Chemistry*

Dissertation: Innovative Mass Spectrometric Workflows for the Measurement of Per- and Polyfluoroalkyl Substances in Abiotic and Biotic Matrices

Dissertation Chair: J. A. Bowden

Ting Cao

Major: *Food and Resource Economics*

Dissertation: The Effect of the Opioid Crisis on the Farm Sector: Implications from the Rural Economy

Dissertation Chair: C. B. Moss

Steven Michael Carlo

Major: *Educational Leadership*

Dissertation: Assessing the State of Civics Education in the United States: A Multimethod Analysis of NAEP Scores, Legislation, and Policy Adoption

Dissertation Chair: C. H. Redding

Denise L. Chambers

Major: *Political Science*

Dissertation: The Political Economy of Foreign Direct Investments in Georgia

Dissertation Chair: B. A. Rosenson

Dissertation Co-chair: S. D. Austin

Liwei Chang

Major: *Chemistry*

Dissertation: Expanding Biomolecular Modeling Toolkits with Molecular Dynamics and Machine Learning

Dissertation Chair: A. Perez

Anik Chattopadhyay

Major: *Computer Science*

Dissertation: Signal Coding and Reconstruction Using Biologically Plausible Spiking Neurons

Dissertation Chair: A. Banerjee

Atul Chaudhary

Major: *Chemistry*

Dissertation: Metal Carbonyl Olefin Precursors for Focused Electron Beam-Induced Deposition

Dissertation Chair: L. A. McElwee-White

Bo Chen

Major: *Mechanical Engineering*

Dissertation: Differential Privacy in Data-Driven Decision-Making Systems with Control Applications

Dissertation Chair: M. Hale

Dissertation Co-chair: C. D. Petersen

Mo Chen

Major: *Mass Communication*

Dissertation: Defensive Attribution in Algorithmic Fairness: The Interaction Effect between the Obtained Benefits and Construal Level on Perceived Fairness and Attribution of Moral Responsibility

Dissertation Chair: Y. Lee

Wen-Ting Chen

Major: *Chemistry*

Dissertation: Probing Alternated Linkage and Structural Characterization of Microvirin-Based Cyclic Peptides

Dissertation Chair: S. D. Bruner

Zoe Ka Pui Cheung

Major: *Psychology*

Dissertation: The Role of Talker-Specific Information in Children's Referential Communication

Dissertation Chair: L. Scott

Dissertation Co-chair: E. Rossi

Yoonki Chun

Major: *Health and Human Performance*

Minor: *Research and Evaluation Methodology*

Dissertation: Conceptualization and Measurement of Identity Continuity: A Focus on Career Transition of Former Athletes

Dissertation Chair: M. Sagas

Dissertation Co-chair: Y. J. Ko

Galen A. Cobb

Major: *Zoology*

Dissertation: Community Ecology and Conservation of Native Bees in Natural Areas around North-Central Florida

Dissertation Chair: M. L. Wayne

Victoria Elizabeth Colvin

Major: *Psychology*

Dissertation: *White and Womanly: How Identity Focus Influences White Women's Public Policy Support*

Dissertation Chair: C. T. Smith

Tara Lindsay Cooper

Major: *Medical Sciences—Neuroscience*

Dissertation: *A Cyclic Ketogenic Diet as a Therapeutic for Age-Related Cognitive Decline*

Dissertation Chair: S. N. Burke

Kaylie Anne Costa

Major: *Veterinary Medical Sciences*

Dissertation: *Assessing Emerging Environmental Stressors on Coral Reefs: Utilizing Mass Spectrometric Approaches to Understand Impacts on Stony Coral Health*

Dissertation Chair: J. A. Bowden

Zachary A. Coulter

Major: *Curriculum and Instruction*

Dissertation: *Planning for Transfer: One Tandem's Understanding and Interpretation for Practice*

Dissertation Chair: E. J. de Jong

Elizabeth Marie Cronin

Major: *Design, Construction and Planning*

Dissertation: *Emergent Practice: Fields of Resistance*

Dissertation Chair: C. L. Hailey II

Wilmer Alfonso Cuervo-Vivas

Major: *Animal Sciences*

Dissertation: *Tackling the Inefficiency of the Ruminant Ecosystem; The Impact of Methane and Glycogen as Energy Losses*

Dissertation Chair: N. DiLorenzo

Matthew Paul Dallas

Major: *Mathematics*

Dissertation: *Convergence of Newton-Anderson at Singular Points and Applications to Fluid Problems*

Dissertation Chair: S. N. Pollock

Linda Chi Dao

Major: *Horticultural Sciences*

Dissertation: *Evaluating the Agronomic Traits of Sweet Corn Kernels*

Dissertation Chair: A. M. Settles

Amber Williams Deig

Major: *Curriculum and Instruction*

Dissertation: *Multimodal Composing in Marine Biology: Multilingual Learners' Resources and Participation in Science Practices*

Dissertation Chair: M. B. Pacheco

Macarena Margarita Deij Prado

Major: *Art History*

Dissertation: *Penitence, Celebration, and Triumph: Permanent and Ephemeral Art in Spanish American Public Processions 1570-1630*

Dissertation Chair: M. Stanfield-Mazzi

Stefan Joseph Delmas

Major: *Health and Human Performance*

Dissertation: *Executive Function and Motor Output in Essential Tremor*

Dissertation Chair: E. A. Christou

Chelsea Nicole DeMasters

Major: *Youth Development and Family Sciences*

Dissertation: *Exploring Parent Experiences in the Florida Child Welfare System*

Dissertation Chair: K. K. Wiley

Neandro J. B. DeMello

Major: *Civil Engineering*

Dissertation: A Generalized Model-Free Framework for Assessing Scour-Induced Bridge Pier Instability

Dissertation Chair: J. A. Bridge

Zheyuan Deng

Major: *Religion*

Dissertation: The History of the Ahmadiyya and Its Religious Infrastructure in Nigeria: A Global Islamic Movement in Local Context

Dissertation Chair: B. Soares

Micah John Dettweiler

Major: *Agronomy*

Minor: *Soil, Water, and Ecosystem Sciences*

Dissertation: Competition and Stress in Cassava-Legume Intercropping

Dissertation Chair: G. E. MacDonald

Daniel James DeYoung

Major: *Physics*

Dissertation: Deriving the Brain's Function Connectome from the Structural Connectome

Dissertation Chair: T. H. Mareci

Michele Nicole Dill

Major: *Biomedical Engineering*

Dissertation: Stiffness-Mediated Fibroblast Activation in the Regenerative Spiny Mouse and Implications for Fibrosis

Dissertation Chair: C. Stabler Anderson

Dissertation Co-chair: E. M. Taylor

Matthew A. Diller

Major: *Medical Sciences—Biomedical Informatics*

Dissertation: An Advanced Ontology-Based Approach to Semantic Data Integration for Exposome Research with a Focus on External Environmental Exposures and Temporal Relations

Dissertation Chair: J. Bian

Eleni Dilma

Major: *Statistics*

Dissertation: Bayesian Approaches for High-Dimensional Data Analysis

Dissertation Chair: L. Duan

Marcelo Dimase

Major: *Entomology and Nematology*

Dissertation: Monitoring Insecticide Resistance and Evaluating Biopesticides for Whitefly (Hemiptera: Aleyrodidae) Management

Dissertation Chair: H. A. Smith

Haocheng Ding

Major: *Biostatistics*

Dissertation: Statistical Methods for Detecting Circadian Rhythmicity and Differential Circadian Patterns in Transcriptomic Applications

Dissertation Chair: Z. Huo

Sanduni Sankalpana Jayawardana Disanayaka Mudiyansele

Major: *Forest Resources and Conservation*

Dissertation: Nearshore Coastal Bathymetry Inversion Using Remote Sensing Techniques and Machine Learning

Dissertation Chair: A. H. Abd-Elrahman

Dissertation Co-chair: B. E. Wilkinson

Ningxin Dong

Major: *Political Science*

Dissertation: The NGO Collaborations in Complex Humanitarian Emergencies: Lessons Learned from the Haiti, China, and Japan Earthquakes

Dissertation Chair: B. A. Rosenson

Xiaoru Dong

Major: *Biostatistics*

Dissertation: Improving Analysis and Modelling of Dynamic, High-Dimensional Single-Cell Data

Dissertation Chair: R. L. Bacher

Maxine M. Donnelly

Major: *English*

Dissertation: Magic from the Margins: The Uses of Otherness in Youth Fantastic Fiction

Dissertation Chair: A. M. Ulanowicz

Michael William Dougherty

Major: *Medical Sciences—Cancer Biology*

Dissertation: Elucidating Colibactin Host Response Mechanisms

Dissertation Chair: C. B. Jobin

Eliana Michelle DuBosar

Major: *Mass Communication*

Dissertation: The Role of Political Identity in Information Seeking and Sharing

Dissertation Chair: M. J. Hutchens

Subhradeep Dutta

Major: *Chemistry*

Dissertation: New Strategies for the C-H Bond Functionalization of Cyclic Amines Involving Imine and Imine-BF₃ Complexes

Dissertation Chair: D. Seidel

William Grady Dyer

Major: *Linguistics*

Dissertation: The Syntax of Relative Clauses in Sereer

Dissertation Chair: F. McLaughlin

Dissertation Co-chair: E. H. Potsdam

Nicholas Paul Dzoba

Major: *Political Science*

Dissertation: The Forgotten Executive: An Exploration of the U.S. President as an Agent of Republican Freedom

Dissertation Chair: D. O'Neill

Sage Christian Edwards

Major: *Mechanical Engineering*

Dissertation: Path Planning, Estimation, and Control in the Presence of Intermittent State Feedback

Dissertation Chair: W. E. Dixon

Dissertation Co-chair: D. Guralnik

Anthony August Egel Jr.

Major: *Mechanical Engineering*

Dissertation: An Investigation into the Effects of Finite-Rate Chemical Kinetics on the Post-Detonation Afterburning of Explosive Charges

Dissertation Chair: R. W. Houim

Jenna El-Khalili

Major: *Business Administration—Accounting*

Dissertation: Do Board Connections Facilitate Tax-Motivated Income Shifting?

Dissertation Chair: M. A. Mayberry

Avery C. Engelbrecht

Major: *Medical Sciences—Genetics*

Dissertation: The Generation and Characterization of a DM2 BAC Mouse Model

Dissertation Chair: L. P. Ranum

Reza Esmaeeli

Major: *Chemistry*

Dissertation: Modeling Protein-Nucleic Acids Interactions

Dissertation Chair: A. Perez

Hamidreza Esmaeillou

Major: *Design, Construction and Planning*

Dissertation: Computer Vision for Analyzing Human Movements in Shared Open Spaces

Dissertation Chair: I. Flood

Kimberly Nicole Espinoza Pereira

Major: *Medical Sciences—Cancer Biology*

Dissertation: Histone Mutant H2B-E76K Promotes Epithelial-Mesenchymal Transition and Deregulates Gene Expression in Lung Cells

Dissertation Chair: J. D. Licht

Nicole Deanne Evangelista

Major: *Psychology—Clinical and Health Psychology*

Dissertation: Investigating the Impact of Cognitive Training and Transcranial Direct Current Stimulation on Dorsolateral Prefrontal Compensatory Scaffolding

Dissertation Chair: A. J. Woods

Calvin Fai

Major: *Chemical Engineering*

Dissertation: Machine Learning Enhanced Optoelectronic Characterization of Semiconductors

Dissertation Chair: C. J. Hages

Dissertation Co-chair: A. J. Ladd

Laura Falceto Font

Major: *Medical Sciences—Cancer Biology*

Dissertation: Gene Modification of Hematopoietic Stem and Progenitor Cells for Improvement of Immunotherapies to Treat Malignant Gliomas

Dissertation Chair: C. Flores

Macodou Fall

Major: *Religion*

Dissertation: Mediating Bamba: The Exegesis of Islamic Poetry among Mourides

Dissertation Chair: B. Soares

Sinomar Ferreira Da Fonseca Junior

Major: *Interdisciplinary Ecology*

Dissertation: Strategies of Indigenous Peoples Facing Infrastructure Projects in the Middle Madeira River, Southern Brazilian Amazon

Dissertation Chair: S. G. Perz

Dissertation Co-chair: C. M. Tucker

Ethan Gregory Fisher

Major: *Chemistry*

Dissertation: Molecular Approach to Mixed-Metal Oxides: Atomically-Precise Models for Complex Metal Oxide Materials

Dissertation Chair: G. Christou

Nicole Danielle Fitzgerald

Major: *Epidemiology*

Dissertation: New Psychoactive Substance Use: Examining Prevalence and Correlates, Typologies of Use, and Risks for Adverse Effects

Dissertation Chair: L. B. Cottler

Katelyn Elizabeth Flaherty

Major: *Public Health—One Health*

Dissertation: Implementation and Evaluation of a Pediatric Telemedicine and Medication Delivery Service in Low-Resource Settings: A Focus on Clinical Safety, Operational Feasibility, and Global Scalability

Dissertation Chair: E. J. Nelson

Dissertation Co-chair: T. K. Becker

Connor P. Francis

Major: *Medical Sciences—Immunology and Microbiology*

Dissertation: Programmed Cell Death 1 Inhibition Shifts Central Tolerance in Health and Cancer

Dissertation Chair: D. Mitchell

Dissertation Co-chair: C. Flores

Jingwei Fu

Major: *Horticultural Sciences*

Dissertation: Xanthophyll Fatty Acyl Esters: Biosynthesis, Function and Pathway Engineering in Plants

Dissertation Chair: B. Rathinasabapathi

Elizabeth Gager

Major: *Materials Science and Engineering*

Dissertation: Advanced Functional Ceramics for Sustainable Energy Cycles

Dissertation Chair: J. C. Nino

Tianqi Gao

Major: *Chemistry*

Dissertation: Method Development for Comprehensive Analysis of Glycosphingolipids and Its Applications in Biological Studies

Dissertation Chair: Z. Guo

Colleen Elizabeth Gariton

Major: *Agricultural Education and Communication*

Dissertation: Exploring Practices in Non-Formal Environmental Education and Relatability in Youth

Dissertation Chair: T. G. Roberts

Dissertation Co-chair: S. E. Hundemer

Leonard Madayag Gaspar

Major: *Horticultural Sciences*

Dissertation: Breeding for Compact Growth Habit Fresh Market Tomatoes: Characterization of Pointed Blossom End Morphology, Vine Growth Habit, and Fruit Firmness, and Implications for Mechanical Harvesting

Dissertation Chair: S. F. Hutton

Brendan Gibbs

Major: *Zoology*

Dissertation: From the Field to the Neuron: An Integrative Approach to Understanding Natural Animal Behavior

Dissertation Chair: J. C. Liao

Drew A. Gillett

Major: *Medical Sciences—Neuroscience*

Dissertation: Investigating the Role and Regulation of GPNMB in Progranulin-Deficient Macrophages and Their Potential Contributions to Neurodegenerative Disease

Dissertation Chair: M. G. Tansey

Nicole Marie Greco

Major: *Geology*

Dissertation: Quantitative Grain Size Analysis of Water Column and Sub-Sea-floor Sediments in Ice-Proximal Environments as Influenced by Glacial Meltwater and Sediment Discharge

Dissertation Chair: J. M. Jaeger

Garrett Lee Griffin

Major: *Music Education*

Dissertation: A Comparison of Visual Focus Tendencies of Novice and Expert Music Conductors

Dissertation Chair: W. Bauer

Emily J. Griffis

Major: *Mechanical Engineering*

Dissertation: Adaptive Deep Learning for Control of Unknown Systems

Dissertation Chair: W. E. Dixon

Felipe Veluk Gutierrez

Major: *Forest Resources and Conservation*

Dissertation: Under the Canopy of a Queen-Tree: Social Innovation and Collective Action for Promoting Amazonian-Nut Value Chain Development, Biocultural Conservation and Sustainability in Brazil

Dissertation Chair: R. J. Buschbacher

McKenzie Lane-Jackson Haimon

Major: *Animal Molecular and Cellular Biology*

Dissertation: Choline: A Developmental Programming Agent of the Bovine Preimplantation Embryo—from Blastomere to Slaughter

Dissertation Chair: P. J. Hansen

Faysal Hakim

Major: *Electrical and Computer Engineering*

Dissertation: Ferroelectric on Semiconductor Nano Acoustic Components for RF Frequency Control

Dissertation Chair: R. Tabrizian

David Cody Hall

Major: *Biomedical Engineering*

Dissertation: Simultaneous Remote Magnetomechanical Stimulation and Recording of SH-SY5Y Cells via Magnetic Vortex Discs

Dissertation Chair: K. Otto

Grace Ann Hanvey

Major: *Psychology—Clinical and Health Psychology*

Dissertation: Investigating Inequities in Cancer Clinical Trial Participation: A Mixed-Methods Approach to Understanding Demographic, Socioeconomic, and Health-Related Determinants of Engagement In Cancer Clinical Trials

Dissertation Chair: D. B. Pereira

Arik Hartmann

Major: *Zoology*

Dissertation: Multi-Pathogen Dynamics of Amphibian Communities in Florida

Dissertation Chair: A. V. Longo Berrios

Calvin Josef Hawkins

Major: *Mechanical Engineering*

Dissertation: Feedback Decision Systems with Uncertainty: Privacy and Learning

Dissertation Chair: M. Hale

Tara Renee Hawkinson

Major: *Medical Sciences—Biochemistry and Molecular Biology*

Dissertation: Interrogating N-Linked Protein Glycosylation Metabolism in Mouse and Human Models of Alzheimer's Disease

Dissertation Chair: R. C. Sun

Eitan Medgar Hershkovitz

Major: *Materials Science and Engineering*

Dissertation: Atomic Level Characterization and Strain Map Elucidation of Precipitate Strengthened NiTiHfAl Shape Memory Alloys for High-Temperature Applications

Dissertation Chair: H. Kim

Shannon Elizabeth Hickey

Major: *Industrial and Systems Engineering*

Dissertation: Assessing the Parking Needs of Commercial Truck Drivers during Severe Weather Events in Florida: A Mixed-Methods Approach

Dissertation Chair: E. Akcali

Lauren Lea Hintenlang

Major: *Public Health—One Health*

Dissertation: Addressing Challenges to Habitat Restoration and Data-Driven Management of the Eastern Oyster, *Crassostrea virginica*, in Florida

Dissertation Chair: A. S. Kane

Alexander Hipp

Major: *Physics*

Dissertation: Searching High and Low for the Axion

Dissertation Chair: D. B. Tanner

Brittany Lea Grubbs Hodges

Major: *Higher Education Administration*

Dissertation: Alumni Co-Taught Coursework and the College-To-Career Experience Gap in the Liberal Arts

Dissertation Chair: L. B. Lynch

Carolin Christine Hoeflich

Major: *Epidemiology*

Dissertation: Leveraging Electronic Health Records to Elucidate Changes in Prescribing Practices of Opioid Agonist Treatment among Pregnant Populations

Dissertation Chair: C. L. Striley

McKenna Elsie Holliday

Major: *Geology*

Dissertation: A Multidisciplinary Approach to Western North American Cenozoic Landscape Evolution and the Associated Hazards

Dissertation Chair: C. J. Sprain

John Hillory Hood

Major: *Anthropology*

Dissertation: Pacific Migration: A Comparison of Ethnographic Perceptions of Pasifika Peoples and Human Mobility Networks of Pacific Island Countries

Dissertation Chair: J. C. Johnson

Robert Andrew Horton

Major: *Interdisciplinary Ecology*

Dissertation: Quantifying Airport Resilience through Operational Critical Functions

Dissertation Chair: G. A. Kiker

Dissertation Co-chair: P. H. Jones

Tingting Hou

Major: *Biostatistics*

Dissertation: Statistical Inference for Kernel-Based Neural Networks

Dissertation Chair: Q. T. Lu

You Hu

Major: *Chemistry*

Dissertation: Molecular Basis of Novel Enzymes in Biosynthetic Pathways with Application to Synthetic Biology

Dissertation Chair: S. D. Bruner

Bo-Han Huang

Major: *Mechanical Engineering*

Dissertation: Cryogenic Chilldown Heat Transfer of a 2-Meter-Long Tube Using Continuous and Pulse Flows

Dissertation Chair: J. N. Chung

Yushi Huang

Major: *Pharmaceutical Sciences—Pharmaceutical Outcomes and Policy*

Dissertation: Trends and Economic Impact of Immune Checkpoint Inhibitor for Advanced or Metastatic Wild-Type Non-Small Cell Lung Cancer (NSCLC): An Analysis Informed by Real-World Data

Dissertation Chair: V. Diaby

Katherine Kelso Huddleston

Major: *Chemistry*

Dissertation: Exploring the Atom in a Molecule through Atomic Energies and Partial Charges Using the ANAKIN-ME Methodology

Dissertation Chair: A. E. Roitberg

Hayden William Hunter

Major: *Mathematics*

Dissertation: On Higher Dimensional Milnor Frames

Dissertation Chair: L. F. Di Cerbo

Igin Benny Ignatius

Major: *Chemical Engineering*

Dissertation: Influence of Parametric Forcing on Marangoni Instability

Dissertation Chair: R. Narayanan

Raphael Osarensen Iyamu

Major: *Linguistics*

Dissertation: Aspect-Actionality Interactions in Èdo

Dissertation Chair: J. Essegbey

Austin Robert Jacobs

Major: *Mathematics*

Dissertation: An Analysis of the Use of Integral Operators and Spectral Metric Theory in Certain Applications

Dissertation Chair: J. E. Pascoe

Jovenal David Jamir

Major: *Chemical Engineering*

Dissertation: Bridging the Pressure Gap in Understanding the Catalytic Behavior of IrO₂(110) for the Oxidation of Light Alkanes

Dissertation Chair: J. F. Weaver

James Seung Jin Jang

Major: *Medical Sciences—Immunology and Microbiology*

Dissertation: Gene Regulatory Role of Viral Interferon Regulatory Factors in Kaposi's Sarcoma Associated Herpes Virus Infection

Dissertation Chair: Z. Toth

Andrew James Jensen

Major: *Mechanical Engineering*

Dissertation: Methods for Autonomous Measurement of 3D Joint Kinematics from 2D Fluoroscopic Images

Dissertation Chair: S. A. Banks

Yichen Jiang

Major: *Electrical and Computer Engineering*

Dissertation: Hardware-Based Security on Computer Memory System

Dissertation Chair: S. Wang

Jie Jin

Major: *Mass Communication*

Dissertation: Explicating Employee Activism: Conceptualization and Measurement

Dissertation Chair: S. K. Kioussis

Dissertation Co-chair: J. Shin

Natalie Lewis Johnson

Major: *Medical Sciences—Pharmacology and Therapeutics*

Dissertation: Mechanisms Promoting Sniffing Behavior in the Context of Electronic Cigarettes

Dissertation Chair: D. W. Wesson

McKenzie Lucille Jossie

Major: *Criminology, Law, and Society*

Dissertation: An Examination of the Collateral Consequences of Misdemeanor Probation in Florida

Dissertation Chair: J. L. Wilson

Marlyn Yvonny Suzanna Kallau

Major: *Fisheries and Aquatic Sciences*

Dissertation: Evaluation of Total Lipid Content in Different Species of Microalgae by Use of Flow Cytometry and Their Effects on Broodstock Sex Maturity in Hard Clams *Mercenaria mercenaria*

Dissertation Chair: H. Yang

Gloria Ashiya Katuka

Major: *Computer Science*

Dissertation: Investigating Automatic Dialogue Act Classification in Collaborative Learning through Federated Transfer Learning and Cross-Corpora Domain Adaptation

Dissertation Chair: K. Boyer

Ryan Rusk Kerr

Major: *English*

Dissertation: Lost Modernity and British Fiction: A Genealogy of Capitalist Realism, 1922–1962

Dissertation Chair: P. E. Wegner

Aslam Abusayeed Khan

Major: *Electrical and Computer Engineering*

Dissertation: Enhancing Advanced Packaging Security through Hardware Reconfigurability

Dissertation Chair: N. Asadi Zanjani

Lopamudra Dilip Kher

Major: *Veterinary Medical Sciences*

Dissertation: Effect of Atopic Dermatitis-Associated Cytokines on *Staphylococcus pseudintermedius*

Dissertation Chair: D. Santoro

Travis J. Klee

Major: *Zoology*

Dissertation: Reciprocal Phenotypic Plasticity: Exploring the Effects of Predator Behavioral Plasticity in Predator Prey Interactions Using Empirical and Theoretical Approaches

Dissertation Chair: C. M. St. Mary

Dissertation Co-chair: C. N. Keiser

Debabrata Konar

Major: *Chemistry*

Dissertation: Modulating Material Properties Leveraging Cyclic Polymers and Squaramide-Containing Networks

Dissertation Chair: B. S. Sumerlin

Andrea Marie Krenek

Major: *Nutritional Sciences*

Dissertation: Culinary Medicine and Teaching Kitchens: Translational Avenues for Investigating and Implementing Metabolic and Behavioral Change

Dissertation Chair: A. Mathews

Jiunn-Ying Kung

Major: *Curriculum and Instruction*

Dissertation: The Recalled Experiences of Six Taiwanese 1.5 Generation Adults on How Peers Mediated Their Acculturative Stress during Their Middle and High School Years

Dissertation Chair: E. J. de Jong

Emily Hope Kwapis

Major: *Nuclear Engineering Sciences*

Dissertation: Optical Spectroscopy and Chemical Dynamics of Laser Ablation Plasmas for the Standoff Detection of Nuclear Materials

Dissertation Chair: K. C. Hartig

Minh-Chau Nguyen Le

Major: *Mechanical Engineering*

Dissertation: Microfluidic Detection of Circulating Sarcoma Cells and Disseminated Breast Cancer Cells and Evaluation of Their Clinical Relevance

Dissertation Chair: Z. H. Fan

Youhyun Lee

Major: *Business Administration—Information Systems and Operations Management*

Dissertation: Three Essays on Economics and Strategy of Technology

Dissertation Chair: L. Qiu



Judith M. Lejeck

Major: *Linguistics*

Dissertation: *Conversations of Formerly Incarcerated Women: A Discourse Analysis*

Dissertation Chair: F. McLaughlin

Man Chong Leong

Major: *Biostatistics*

Dissertation: *Advancements in Hidden Markov Models: Integrating Regularization and Mixed Effects*

Dissertation Chair: X. Lou

Dissertation Co-chair: J. Lee

Victoria D. Leroy

Major: *Medical Sciences—Pharmacology and Therapeutics*

Dissertation: *Mechanisms of Inflammation-Resolution in Post-Lung Transplant Injury*

Dissertation Chair: A. K. Sharma

Motomori Oluwatumininu Lewis

Major: *Pharmaceutical Sciences—Pharmaceutical Outcomes and Policy*

Dissertation: *Geographic Variation Patterns of Quality Measures for Prescription Opioid Use and Treatment of Opioid Use Disorder among Medicare Beneficiaries*

Dissertation Chair: W. J. Lo-Ciganic

Mengming Li

Major: *Food and Resource Economics*

Dissertation: *Essays on Carbon Dioxide Emissions, Decarbonization Policies, and Employment in China*

Dissertation Chair: C. Court

Dissertation Co-chair: J. P. da Rocha Ferreira

Yangyang Li

Major: *Astronomy*

Dissertation: *Advancing Stellar Astrophysics: Integrating State-of-the-Art Non-LTE Calculations and Deep-Learning Techniques to Elucidate Stellar Properties and Accelerate Computation*

Dissertation Chair: R. Ezzeddine

Chenyu Liang

Major: *Mechanical Engineering*

Dissertation: *All-Optical Mechanobiology and Electrophysiology in Cancer and Nervous Systems*

Dissertation Chair: X. Tang

Zhongling Liang

Major: *Chemistry*

Dissertation: Development of MALDI Mass Spectrometry-Based Methods for the Analysis of Pharmaceutical Compounds

Dissertation Chair: B. M. Prentice

Hao-Yu Liao

Major: *Environmental Engineering Sciences*

Dissertation: Enhancing Operator's Safety in Robotic-Assisted Disassembly of Electronic Waste: A Combination of Optimization and Artificial Intelligence Techniques

Dissertation Chair: S. Behdad

Abigail Carissa Lindo

Major: *Music*

Dissertation: Azorean Acoustemologies: Gendered Postcolonial Musicking and Sonic Eco-Cosmopolitanism in São Miguel

Dissertation Chair: S. Politz

Dissertation Co-chair: I. Mosley

Tianqi Liu

Major: *Electrical and Computer Engineering*

Dissertation: Advanced Technologies for Video Coding

Dissertation Chair: R. Fang

Tobias Lodemann

Major: *Industrial and Systems Engineering*

Minor: *Statistics*

Dissertation: Essays in Healthcare: Approaching the Use of Artificial Intelligence in Trauma Care

Dissertation Chair: E. Akcali

Nicole Lofaro

Major: *Psychology*

Dissertation: Radical and Liberal Feminist Attitudes Predicting Support for Anti-Transgender Policies among Heterosexual and Lesbian Cisgender Feminist White Women

Dissertation Chair: K. Ratliff

Tyler John Loftus

Major: *Medical Sciences—Biomedical Informatics*

Dissertation: Aligning Patient Acuity with Resource Intensity after Major Surgery: Federated Learning across University Health Systems

Dissertation Chair: A. Bihorac

Dissertation Co-chair: M. Liu

Rocío María López Cabral

Major: *Anthropology*

Dissertation: A Geoarchaeological Approach to the Materiality and Historical Ecology of Earth Mounds: The Colina da Monte Site, Uruguay

Dissertation Chair: D. A. Contreras

Maria Victoria Lorenzo Ocampo

Major: *Chemistry*

Dissertation: Ligand Versus Metal-Centered Reactivity in Polynuclear Beta-Diketiminato Metal Complexes

Dissertation Chair: L. J. Murray

Maedeh Lotfi

Major: *Mechanical Engineering*

Dissertation: Measuring and Modeling of Alignment in Engineered Tissue Constructs

Dissertation Chair: M. Sarntinoranont

Dissertation Co-chair: G. Subhash

Alexander Daniel Lowie

Major: *Anthropology*

Dissertation: Becoming a (Civil) Warrior: An Ethnography of the Contemporary Alt-Right and Patriot Movement in Florida

Dissertation Chair: J. M. Kugelmass

Jing Lu

Major: *Business Administration—Finance*
Dissertation: Essays on Financial Economics
Dissertation Chair: C. James
Dissertation Co-chair: J. R. Ritter

Vanessa Luna Celino

Major: *Interdisciplinary Ecology*
Dissertation: Fire in the Peruvian Andes: Community-Based Management and Key Actor's Perceptions
Dissertation Chair: K. A. Kainer
Dissertation Co-chair: B. A. Loiselle

Tan Minh Luong

Major: *Geography*
Dissertation: Anthrax Spatio-Temporal Patterns and Disease Control Policies in Vietnam
Dissertation Chair: J. K. Blackburn

Haoxiang Ma

Major: *Electrical and Computer Engineering*
Dissertation: Game-Theoretic Planning of Optimal Deceptive Strategies for Cyber-Physical Security
Dissertation Chair: J. Fu

Phillip Michael Mackie

Major: *Medical Sciences—Neuroscience*
Dissertation: Immune Regulation of Enteric Neurons in Health and Parkinson's Disease
Dissertation Chair: H. Khoshbouei

Gabriela Madrid Caviedes

Major: *Plant Molecular and Cellular Biology*
Dissertation: Exploring the Maize Leaf Landscape: A Single-Cell Perspective
Dissertation Chair: M. F. Ribeiro de Resende, Jr.

Wanjiku Aprile Makumi

Major: *Aerospace Engineering*
Dissertation: Real-Time Learning for Suboptimal Control of Unknown Systems
Dissertation Chair: W. E. Dixon

Vinicius Marcel Mariani

Major: *Health and Human Performance*
Dissertation: Exposure to Various Forms of Succinyl-Derivatives Disrupt Several Contractile Properties of Skeletal Muscle
Dissertation Chair: E. R. Barton

James Patrick Martin

Major: *Medical Sciences—Immunology and Microbiology*
Dissertation: Six Human Isolates Recapitulate *Clostridioides difficile* Resistance
Dissertation Chair: G. P. Wang

Christian Hillary Matemu

Major: *Civil Engineering*
Dissertation: Performance Testing of GRS Test Piers Constructed with Florida Aggregates
Dissertation Chair: S. J. Wasman

Skyler Alysse McCain

Major: *Special Education*
Minor: *Research and Evaluation Methodology*
Dissertation: A School-Based Cognitive-Behavioral Intervention for Students with Emotional or Behavioral Disorders
Dissertation Chair: A. MacSuga-Gage
Dissertation Co-chair: H. B. Lane



Dylan Cole McCord

Major: *Mechanical Engineering*

Dissertation: Thermodynamic and Kinetic Characterization of Emerging Thermochemical Redox Materials for Solar Hydrogen Production

Dissertation Chair: J. Scheffe

Joey Jacqueline McKinley

Major: *Special Education*

Minor: *Research and Evaluation Methodology*

Dissertation: The Impact of Online Self-Determination Instruction on the Self-Determination Skills of Students with Intellectual Disabilities in Postsecondary Programs

Dissertation Chair: C. C. Griffin

Oswaldo Miguel Medina Ramírez

Major: *Anthropology*

Dissertation: Participation Fatigue: An Emerging Challenge to Environmental Governance

Dissertation Chair: J. C. Johnson

Jeana Marie Melilli

Major: *Music*

Dissertation: Re-Examining the Dismissed: Cecilia Macca and Nineteenth-Century Sicilian Sacred Music

Dissertation Chair: S. dos Santos

Alvaro Rafael Mendoza Grisales

Major: *Civil Engineering*

Dissertation: Evaluation of Thermal Effects in Segmental Concrete Bridge Constructions and Concrete Quality Control Testing in Florida

Dissertation Chair: K. A. Riding

Jomary Mercado-Montijo

Major: *Materials Science and Engineering*

Dissertation: Development of Enzyme-Degradable Hydrogel Microparticles from Semi-Dilute Entangled Solutions for Pulmonary Delivery

Dissertation Chair: J. Andrew

Maegan Mae Meredith

Major: *Agricultural Education and Communication*

Dissertation: Leader Efficacy in Agriculture Leadership Development Programs

Dissertation Chair: N. L. P. Stedman

Maneesh Merugu

Major: *Electrical and Computer Engineering*

Dissertation: CAD for Security Instrumentation and Verification of Modern Microelectronics

Dissertation Chair: S. Ray

Javier Rigoberto Mesa

Major: *Psychology*

Dissertation: The Role of Prelimbic Neurons in Cocaine+Alcohol Polysubstance Use

Dissertation Chair: L. Knackstedt

Jordan Donovan Mike

Major: *Counseling and Counselor Education*

Dissertation: "Onions Have Layers, Black Men Have Layers. You Get It?" A Narrative Inquiry of Second-Generation Black Caribbean Men

Dissertation Chair: J. Swank

Patricia Leah Milletich

Major: *Microbiology and Cell Science*

Dissertation: Gut Microbiome Predisposes Infants to Future Autoimmune Disease and Gastrointestinal Disorder Years before Diagnosis in General Population Cohort

Dissertation Chair: E. Triplett

Dorothy Grace Mitchell

Major: *Zoology*

Dissertation: Assessing the Transcriptomic Response to Injury and Onset of Regeneration in *Mnemiopsis leidyi*

Dissertation Chair: M. Q. Martindale

Kyle R. Morman

Major: *Design, Construction and Planning*

Dissertation: A Technical Framework for Wireless Network Assessment and Deployment in Construction Projects

Dissertation Chair: A. M. Costin

Andrew Russell Morris

Major: *Medical Sciences—Physiology and Functional Genomics*

Dissertation: Chronic Neuroinflammation Impacts Circadian and Sleep Disruption

Dissertation Chair: A. C. Liu

Connor Furman Morrow

Major: *Mathematics*

Dissertation: Congruences for Andrews's Even Parts below Odd Parts Partition Function

Dissertation Chair: F. G. Garvan

Austin E. Moss

Major: *Mechanical Engineering*

Dissertation: Modeling Fiber-Reinforced Elastomer Membranes for Defining Deformation Spaces in Soft Robotic Actuators

Dissertation Chair: K. Mohseni

Chelsea Elizabeth Moss

Major: *Mass Communication*

Dissertation: Family Communication, Co-Viewing, and Perceived Realism Surrounding Transracial Adoption Portrayals

Dissertation Chair: T. F. Waddell

Omkar Satish Mulekar

Major: *Aerospace Engineering*

Dissertation: Feedback-Optimal Pinpoint Landings Using Deep Imitation Learning

Dissertation Chair: R. Bevilacqua

Emma Katherine Mulry

Major: *Chemistry*

Dissertation: A Molecular Basis for Understanding Protein Pegylation and Expanding Its Applications

Dissertation Chair: M. T. Eddy

Amanda Lorraine Muni-Morgan

Major: *Interdisciplinary Ecology*

Dissertation: Investigating the Composition and Reactivity of Dissolved Organic Matter from Urban Environs: Implications for Blooms of *Karenia brevis* and *Pyrodinium bahamense*

Dissertation Chair: M. G. Lusk

Enrique Muñoz-Mantas

Major: *Romance Languages—Spanish*

Dissertation: Identidades híbridas y (des/re)territorialización en la literatura hispánica y sus exilios (1939–1979)

Dissertation Chair: L. Álvarez-Castro

Heather Renee Nesbitt

Major: *Agricultural Education and Communication*

Dissertation: Mentorship in the Field: Best Practices in Student-Teaching Internships and the Adoption in Teacher-Preparation Programs

Dissertation Chair: D. M. Barry

Fernando Noriega Betancourt

Major: *Interdisciplinary Ecology*

Dissertation: Spatiotemporal Dynamics of Marine Vessels and Humpback Whale Habitat in Bahía de Banderas, Mexico, Alongside Societal Analysis of Vessel Captains' Attitudes and Perceptions Toward Whale Conservation

Dissertation Chair: V. Lecours

Dissertation Co-chair: J. S. Kahler

Andrew Harry Oberhelman

Major: *Geology*

Dissertation: Carbon Cycling in the Carbonate Critical Zone

Dissertation Chair: J. B. Martin

Willis Aggrey Omondi Ochieng

Major: *Agricultural Education and Communication*

Dissertation: Sowing Seeds Abroad: Exploring the Lived Experiences of African Immigrant Farmers in the U.S.

Dissertation Chair: M. P. Benge

Leo Ohyama

Major: *Entomology and Nematology*

Dissertation: Exploring Ant Ecology: Unraveling Biodiversity, Traits, and Biogeography across Scales

Dissertation Chair: A. Lucky

Israel Ojo

Major: *Agricultural and Biological Engineering*

Dissertation: The Development of an Automated, Non-Passive Needle-Based Trunk Injection System for HLB-Affected Citrus Trees

Dissertation Chair: I. Ampatzidis

Richard Olatomiwa Owoputi

Major: *Electrical and Computer Engineering*

Dissertation: Enhancing the Resilience of Distributed Multi-Agent Systems to Cyber-Attacks

Dissertation Chair: S. Ray

Giancarlo Paramo

Major: *Electrical and Computer Engineering*

Dissertation: Dynamic Estimation Applications For Smart Grid Protection and Control

Dissertation Chair: S. P. Meyn

Dissertation Co-chair: A. S. Bretas

Sangyeon Park

Major: *Curriculum and Instruction*

Dissertation: A Mixed Method Study On Elementary Preservice Mathematics Teachers Culturally Responsive Teaching Self Efficacy in Teaching Culturally and Linguistically Diverse Students

Dissertation Chair: H. Jung

Martha L. Pavao

Major: *Classical Studies*

Dissertation: Epistolary Evidence of *Amicitia* between Cicero and Caesar

Dissertation Chair: K. Kapparis

Gabriela Peguero Kushner

Major: *Medical Sciences—Molecular Cell Biology*

Dissertation: Characterization of GGT6 in Breast Cancer: Implications for Tumor Progression and Cell Viability

Dissertation Chair: B. Papp

Amy Marie Peiper

Major: *Medical Sciences—Immunology and Microbiology*

Dissertation: Delineating Determinants of Susceptibility to Norovirus Intestinal Disease

Dissertation Chair: S. M. Karst

Jessie Alexander Pelosi

Major: *Botany*

Dissertation: From Genomes to Populations and Beyond: Comparative, Evolutionary, and Population Genomics of Ferns

Dissertation Chair: W. B. Barbazuk

Corey Melissa Perkins

Major: *Pharmaceutical Sciences—Pharmaceutics*

Dissertation: Human Pancreatic Organoids to Study the Early Events in the Development of Pancreatic Cancer: Applications to Health-Disparities Research

Dissertation Chair: T. D. Schmittgen

Anna Lea Peters

Major: *Higher Education Administration*

Dissertation: Understanding Out-of-State Recruitment and Enrollment at a Small, Private Institution

Dissertation Chair: J. C. Ortagus

Angela Maria Vitale Peterson

Major: *Special Education*

Minor: *Research and Evaluation Methodology*

Dissertation: Discovering Mentors: The Impact of Mentor Text Instruction on the Text-Based Writing Quality of Middle School Students with Disabilities

Dissertation Chair: C. C. Griffin

Ann Pham

Major: *Medical Sciences—Pharmacology and Therapeutics*

Dissertation: Investigating the Role of Stimulator of Interferon Genes in Pulmonary Hypertension Development

Dissertation Chair: A. J. Bryant

Danielle L. Pico

Major: *Special Education*

Minor: *Research and Evaluation Methodology*

Dissertation: Teachers' Self-Reported Shared Book Reading Practices

Dissertation Chair: H. B. Lane

Dissertation Co-chair: N. A. Gage

Beatrice Fenelon Pierre

Major: *Youth Development and Family Sciences*

Dissertation: Utilizing Social Capital Theory and Ego Resiliency Theory to Assess the Influence of Social Support and Spirituality on Ego Resilience of Youth in Haitian Farmworker Communities

Dissertation Chair: T. A. Irani

Takeshia Pierre

Major: *Curriculum and Instruction*

Minor: *Research and Evaluation Methodology*

Dissertation: Reauthoring the Stories of "Success" of STEM and Health Professional Men Holding Black Diasporic Identities: A Disaggregated Approach

Dissertation Chair: R. M. Pringle

Rebecca Jo Polk

Major: *Psychology*

Dissertation: The Endogenous Oxytocin System and Emotions: Social-Cognitive Processing in Aging

Dissertation Chair: N. C. Ebner

Jacqueline Marie Pollack

Major: *Epidemiology*

Dissertation: Advancing Clinical Prediction Models for Cardiovascular Outcomes: A Comprehensive Evaluation of Dynamic Predictive Modeling in Surgical Aortic Valve Replacement (SAVR) and Transcatheter Aortic Valve Replacement (TAVR) Patients

Dissertation Chair: S. Kimmel

Sadeem Qdaisat

Major: *Genetics and Genomics*

Dissertation: Precision Oncology: Interferon-I Biomimetics, CTCs mRNA Insights, and Immunotherapy Resistance in Tumor Management

Dissertation Chair: E. Sayour

Zikun Qin

Major: *Statistics*

Dissertation: Global-Local Shrinkage Priors in Estimation and Multiple Testing of Multivariate Normal Means under Sparsity

Dissertation Chair: M. Ghosh

Kshitij Raj

Major: *Electrical and Computer Engineering*

Dissertation: Architecture and Validation of Secure System-On-Chip Designs

Dissertation Chair: S. Ray

Priyanka Rana

Major: *Rehabilitation Science*

Dissertation: Enhancing Pain Modulation: Investigating the Efficacy of Repeated Conditioned Pain Modulation in Healthy Adults

Dissertation Chair: M. D. Bishop

Santosh Ratnakar Rananaware

Major: *Chemical Engineering*

Dissertation: Next-Generation CRISPR-Based Tools for Highly Accurate Nucleic Acid Sensing

Dissertation Chair: P. K. Jain

Jayne-Marie Raponi

Major: *Public Health*

Dissertation: *A Multi-Method Qualitative Analysis of a Clinical Interprofessional Education Experience for Third-Year Dental Students*

Dissertation Chair: A. V. Blue

Dissertation Co-chair: Y. A. Strekalova

Bing Ren

Major: *Mechanical Engineering*

Dissertation: *Sacrificial Ink-Assisted Embedded 3D Printing of Perfusable Channels for the Creation of Thick Vascularized Tissues and Its Applications*

Dissertation Chair: Y. Huang

Dissertation Co-chair: Z. Jiang

Cheryl Lynn Resch

Major: *Human-Centered Computing*

Minor: *Research and Evaluation Methodology*

Dissertation: *Creating Defensive Programmers: The Effect of Adding Cybersecurity Topics Throughout the Computer Science Curriculum*

Dissertation Chair: C. Gardner-McCune

Matthew Steven Richardson

Major: *Interdisciplinary Ecology*

Dissertation: *Quantitative Frameworks for Oyster Reef Monitoring and Restoration in the Big Bend of Florida*

Dissertation Chair: W. E. Pine III

Dissertation Co-chair: J. Martin



Armisha L. Roberts

Major: *Human-Centered Computing*

Dissertation: Can You Hear Me Now? Good: Using Sonic Cues to Detect Change in a Real-World 3D Audio Context

Dissertation Chair: K. McMullen

Lucas Alan Rodewald

Major: *English*

Dissertation: Campus (As) Ecology: Critical Pedagogy, Place, and the Environmental Humanities

Dissertation Chair: S. I. Dobrin

Joshua Andrew Roe

Major: *Health and Human Performance*

Dissertation: An Investigation of the Impact of Geographic Proximity on Place Attachment to Public Parks among Different User Groups

Dissertation Chair: H. J. Gibson

Dissertation Co-chair: J. W. Kim

Todd J. Sahagian

Major: *Pharmaceutical Sciences—Pharmacodynamics*

Dissertation: Cholinergic Effector Systems Underlying Persistent Firing of Principal Neurons in the Rat Basolateral Amygdala

Dissertation Chair: C. J. Frazier

Patrick Honorio Saldaña

Major: *Environmental Engineering Sciences*

Dissertation: Grateful for the Dead: Exploring the Ecological Roles of Dead Foundation Species

Dissertation Chair: A. H. Altieri

John Henry Samuels

Major: *Curriculum and Instruction*

Dissertation: Your Art Matters: Perspectives of Arts Integration in Teacher Education

Dissertation Chair: A. J. Adams

Lynsey Saunders

Major: *Mass Communication*

Dissertation: We Take It Personal: Analysis of Projected Identity Frames in the Hip Hop and #BlackLivesMatter Movements in the Media

Dissertation Chair: B. E. Tripp

Zachary Kent Seekford

Major: *Animal Sciences*

Dissertation: Investigating the Nexus between Inflammation and Fertility in Cattle

Dissertation Chair: J. J. Bromfield

Giyeon Seo

Major: *Sociology*

Dissertation: Cross-National Comparisons of Attitudes toward Family

Dissertation Chair: T. M. Koropecjy-Cox

Mayar Afify Shahin

Major: *Physics*

Dissertation: The Use of Latent Space Models to Understand Biological Complexity

Dissertation Chair: B. Xue

Chris Shelton

Major: *Music*

Dissertation: The Impact of a Student-Centered Curriculum on Self-Efficacy and Career Readiness in Digital Musicianship, Production, and Composition in a Digital Musicianship Course

Dissertation Chair: P. S. Richards

Dissertation Co-chair: J. V. Ruiz-Resto

Yiran Shen

Major: *Medical Sciences—Immunology and Microbiology*

Dissertation: Deciphering the Breadth of the Natural Human Immune Response against SARS-CoV-2

Dissertation Chair: C. Nguyen

Poorya Shidfar

Major: *Curriculum and Instruction*

Dissertation: Anxiety, Working Memory, and Cognitive Load in Community College Students Solving Statistics Problems

Dissertation Chair: P. Antonenko

Dissertation Co-chair: A. D. Ritzhaupt

Heejun Shin

Major: *Statistics*

Dissertation: Causal Inference with Bayesian Modeling for Challenging Environmental Health Problems

Dissertation Chair: J. L. Antonelli

Justin Edward Silberman

Major: *Materials Science and Engineering*

Dissertation: Improving the Study of Aging: Modeling Macrophage-Endothelial Cell Interactions and Treatments in a 3D PEG Hydrogel

Dissertation Chair: J. Allen

Kandice Sharmayne Simmons

Major: *Chemistry*

Dissertation: Identification and Characterization of Amino Acid Residues Involved in Allosteric Regulation of Human Ribonucleotide Reductase

Dissertation Chair: M. Harris

Alexander Harris Slotkin

Major: *English*

Dissertation: Waking the Jinn: Cultural Memories, Writings, and Assemblages

Dissertation Chair: R. Sánchez

Nicole Elizabeth Smolinski

Major: *Pharmaceutical Sciences—Pharmaceutical Outcomes and Policy*

Dissertation: Clinician Preference for Management of Pediatric Acute Otitis Media and Consequences in the United States

Dissertation Chair: A. G. Winterstein

Kimberly Carol Snell

Major: *Chemistry*

Dissertation: A Chemical and Kinetic Characterization of Nsp15 from SARS-CoV-2

Dissertation Chair: M. Harris

Urszula Alina Snigurska

Major: *Nursing Sciences*

Dissertation: Identifying Predisposing and Precipitating Factors of Hospital-Acquired Pressure Injuries in Medical and Surgical Patients: A Theoretical, Statistical, and Machine-Learning Approach

Dissertation Chair: A. L. Horgas

Dissertation Co-chair: R. J. Lucero

Rachel Anne Son

Major: *Mass Communication*

Dissertation: The Three-Dimensional Model of Entertainment: A Theoretical Integration, Automated Text Analysis, and Scale Measurement of Psychologically Rich Entertainment Motivations and Experiences

Dissertation Chair: B. K. Johnson

Bo Wesley Sortman

Major: *Pharmaceutical Sciences—Pharmacodynamics*

Dissertation: The Role of Corticolimbic Neuronal Ensembles in the Acquisition and Maintenance of Cocaine Self-Administration

Dissertation Chair: B. L. Warren

Jessica Frances Sparks

Major: *Mass Communication*

Dissertation: Cues to Trust: An Experimental Analysis of Cues on News Media Trust

Dissertation Chair: T. F. Waddell

Lauren McKenzie Spires

Major: *Medical Sciences—Immunology and Microbiology*

Dissertation: Deciphering Key Players in KSHV Biphasic Life Cycle: Interplay of RTA, RNF20/40, and ORF6 in Viral Propagation

Dissertation Chair: Z. Toth

Lauren Stewart Stafford

Major: *Microbiology and Cell Science*

Dissertation: From COVID-19 to the Equine Eye: Assessing the Role of the Immune System in Protective and Pathogenic Immunity

Dissertation Chair: J. Larkin III

Nicole E. Stafford

Major: *Mechanical Engineering*

Dissertation: Performance of Lower Limb Amputees Using a Portable Myoelectric Ankle Prosthesis in Real-World Environments

Dissertation Chair: D. P. Ferris

Daniel B. Stribling

Major: *Genetics and Genomics*

Dissertation: Bioinformatic and Machine Learning Methods to Decipher OncomiR Biology in Carcinogenesis

Dissertation Chair: R. F. Renne

Aastha Subedi

Major: *Plant Pathology*

Dissertation: Exploring the Dynamics and Genomics of Florida's *Xanthomonas* Population and Insights into Recessive Resistance Mechanism on Pepper (*Capsicum annuum* L.)

Dissertation Chair: E. M. Goss

Dissertation Co-chair: P. D. Roberts

Wen Sui

Major: *Electrical and Computer Engineering*

Dissertation: Wide Bandgap Semiconductor Microelectromechanical Systems for Harsh Environment Applications

Dissertation Chair: P. Feng

Shujia Sun

Major: *Special Education*

Minor: *Research and Evaluation Methodology*

Dissertation: A Web-Based Caregiver Questionnaire for Assessing Emergent Literacy in Preschool and Kindergarten Children: A Development and Feasibility Study

Dissertation Chair: L. J. Lombardino

Fatemeh Taherasghari

Major: *Physics*

Dissertation: Compact Binary Systems in Einstein-Æther Gravity

Dissertation Chair: C. M. Will

Gregory Pál Takacs

Major: *Medical Sciences—Cancer Biology*

Dissertation: Investigating Mechanisms of Monocytic-MDSC Immune Suppression in Glioblastoma

Dissertation Chair: J. K. Harrison

Janna Marie Tamargo

Major: *Sociology*

Dissertation: Authenticity, Gender, and Italian American Restaurant Websites

Dissertation Chair: M. J. Borg

Suhas Rao Tamvada

Major: *Mechanical Engineering*

Dissertation: Physics of Critical Heat Flux—Answers to Century-Old Questions and New Discoveries

Dissertation Chair: S. Moghaddam

Xixuan Tang

Major: *Food Science*

Dissertation: Developing Novel Methods in the Identification of Potential Taste Modulators

Dissertation Chair: Y. Wang

Liu Tao

Major: *Physics*

Dissertation: Hip to Be Square: Higher-Order Hermite-Gaussian Laser Beams in Interferometric Gravitational Wave Detectors

Dissertation Chair: P. J. Fulda

Don Tawanpitak

Major: *Economics*

Dissertation: Essays in Economics of Education

Dissertation Chair: H. H. Sandoval Gutierrez

LaRaven Abriana Temoney

Major: *Political Science*

Dissertation: Political Success or Fluke?: The Lasting Impact of the Voter Education Project on Black Political Participation in the U.S. South

Dissertation Chair: D. A. Smith

Maxim A. Terekhov

Major: *Business Administration—Information Systems and Operations Management*

Dissertation: Three Essays on Business Analytics and Artificial Intelligence Applications in Healthcare and Financial Technology

Dissertation Chair: E. Demirezen

Trace Thome

Major: *Health and Human Performance*

Dissertation: Chronic Aryl Hydrocarbon Receptor Activation as a Novel Regulator of Skeletal Muscle Mitochondrial Energetics in Chronic Kidney Disease

Dissertation Chair: T. E. Ryan

Jake T. Thompson

Major: *Environmental Engineering Sciences*

Dissertation: Improving the Management of Materials Impacted by Per- and Polyfluoroalkyl Substances (PFAS)

Dissertation Chair: T. G. Townsend

Mayank Tripathi

Major: *Physics*

Dissertation: Dark Matter Searches at Coherent Captain-Mills

Dissertation Chair: I. K. Furic

Dissertation Co-chair: H. Ray

Md Azhar Uddin

Major: *Food and Resource Economics*

Dissertation: A Marketing Approach to Control Nonpoint Source (NPS) Pollution: Consumer and Producer Preferences for Best Management Practices (BMPs) Label

Dissertation Chair: Z. Gao

Dissertation Co-chair: D. Farnsworth

Robert Seaton Ullberg

Major: *Materials Science and Engineering*

Dissertation: Atomistic Simulation of Transition Metal Oxides and Layered Phyllosilicate Materials

Dissertation Chair: S. R. Phillpot

Natalia Uribe Castañeda

Major: *Interdisciplinary Ecology*

Dissertation: Community Engagement in Coral Reef Restoration

Dissertation Chair: M. B. Main

Preston A. Vargas

Major: *Materials Science and Engineering*

Dissertation: Novel *ab initio* Simulations of Point Defects and Adsorption

Dissertation Chair: R. Hennig

Angela C. Van Arsdale

Major: *Psychology*

Dissertation: Evaluating Noncontingent Reinforcement in the Treatment of Pediatric Feeding Disorders and Secondary Analyses

Dissertation Chair: T. R. Vollmer

Taylor Sage Vasquez

Major: *Mass Communication*

Dissertation: Promoting Resilience in Physician-Spouse Marriages: Examining Relational Challenges and Maintenance Communication during Graduate Medical Training

Dissertation Chair: K. B. Walsh-Childers

William Bradford Vass

Major: *Environmental Engineering Sciences*

Dissertation: Integrating Air Sampling Methodologies to Improve the Collection of Viable Airborne Viruses and Associated Exposure Health Risk Estimations

Dissertation Chair: C. Wu

Saddie Mae Vela

Major: *Plant Molecular and Cellular Biology*

Dissertation: Sustainable Development of Sorghum through the Promotion of Microbial Symbiosis and Disease Resistance

Dissertation Chair: W. Vermerris

Gustavo Velázquez Lazcano

Major: *Romance Languages—Spanish*

Dissertation: Literatura contemporánea infantojuvenil *Chicamex*: Voces minoritarias y pluriversalismo decolonial

Dissertation Chair: E. A. Hind

Austin Lee Vera

Major: *Mechanical Engineering*

Dissertation: A Sapphire MEMS-Based Optical Pressure Sensor for High-Temperature Applications

Dissertation Chair: M. Sheplak

Kelsey Vought

Major: *Agricultural and Biological Engineering*

Dissertation: Membrane Bioreactors for Carbon, Water, and Nutrient Recovery in Controlled Environment Agriculture

Dissertation Chair: H. K. Bayabil

Dissertation Co-chair: A. D. Martin-Ryals

Lei Wang

Major: *Medical Sciences—Immunology and Microbiology*

Dissertation: Unveiling Novel Mechanisms of Immunosurveillance in Cancer and Developing Protac-Based Immunotherapies

Dissertation Chair: W. Zhang

Yifan Wang

Major: *Computer Science*

Dissertation: Learning-Based High-Dimensional Query Processing

Dissertation Chair: Z. Wang

Thisuri Nethmini Wanniarachchi

Major: *Chemistry*

Dissertation: Structural and Functional Studies of Diverse Microbial Natural Product Pathways

Dissertation Chair: S. D. Bruner

Jingxi Weng

Major: *Medical Sciences—Medical Physics*

Dissertation: AI-Based Cine-MR Image Prediction Model for Image-Guided Radiotherapy

Dissertation Chair: S. S. Samant

James William Wetzel

Major: *Philosophy*

Dissertation: The Platonic Inheritance of Aquinas' Doctrine of Creation

Dissertation Chair: J. A. Palmer III

Mihoko Maeda Wheeler

Major: *Linguistics*

Dissertation: Effectiveness of Implicit Categorical Learning in Japanese Pitch Training of Second-Language Japanese Learners

Dissertation Chair: R. Wayland

Courtney Susanne Wilkinson

Major: *Psychology*

Dissertation: A Role for Monoamines in Stress Susceptibility and Oxycodone Self-Administration in Female Rats

Dissertation Chair: L. Knackstedt

Kathryn Michelle Williams

Major: *Counseling and Counselor Education*

Dissertation: Experiences of Supervisors in the Field

Dissertation Chair: J. Swank

Zachary Wayne Windom

Major: *Chemistry*

Dissertation: On the Systematic Improvement in Electronic Structure Theories

Dissertation Chair: R. J. Bartlett

Nae Yeon Won

Major: *Epidemiology*

Dissertation: Drug Use in Non-Fatal Motor Vehicle Crash Injuries and Its Association with State Policies in the U.S. from 2019 to 2023

Dissertation Chair: L. B. Cottler

Alexander Jee-Mun Wong

Major: *Chemistry*

Dissertation: Insights into Photoiniferter Polymerization and Its Utility in the Synthesis of Novel Polymeric Materials

Dissertation Chair: B. S. Sumerlin

Aotian Wu

Major: *Computer Science*

Dissertation: A Multi-Sensor Video/LiDAR System for Analyzing and Improving Intersection Safety

Dissertation Chair: S. Ranka

Dissertation Co-chair: A. Rangarajan

Chengjie Xi

Major: *Electrical and Computer Engineering*

Dissertation: Inherent Fingerprint for Secure IC Packaging

Dissertation Chair: N. Asadi Zanjani

Pengxiang Xia

Major: *Civil Engineering*

Dissertation: VR-Haptic Sensory Augmentation and Body Motion Control for Subsea Robot Teleoperation

Dissertation Chair: J. Du

Seonkyeong Yang

Major: *Pharmaceutical Sciences—Pharmaceutical Outcomes and Policy*

Dissertation: Real-World Migraine Treatment Patterns and Associated Cardiovascular Disease Risk in Medicare Beneficiaries with Migraine

Dissertation Chair: W. J. Lo Ciganic

Tianxiao Yang

Major: *Plant Molecular and Cellular Biology*

Dissertation: Molecular Analysis of the *rgH6* Seed Mutant and Phenotypic Selection of the *su1* Synthetic Population

Dissertation Chair: A. M. Settles

Yicheng Yang

Major: *Agricultural and Biological Engineering*

Dissertation: Applying Biochar to Remove Caffeine from Wastewater

Dissertation Chair: R. Muñoz-Carpena

Yinuo Yang

Major: *Chemistry*

Dissertation: Computational Study on Organic Reactions: From Quantum Mechanics to Machine-Learning Potentials

Dissertation Chair: A. E. Roitberg

Yang Ye

Major: *Civil Engineering*

Dissertation: Immersive Motor Skill Learning Using Haptic Sensation Transfer in Construction

Dissertation Chair: J. Du

Mustafa Özkan Yerebakan

Major: *Industrial and Systems Engineering*

Dissertation: Human Factors of Human-Robot Collaborative Pollination

Dissertation Chair: B. Hu

Simonne Yet Kwong Horman

Major: *Agricultural Education and Communication*

Dissertation: Perceptions of Leadership Self-Efficacy in Elementary Age Girls from the Viewpoint of Teachers

Dissertation Chair: N. L. P. Stedman

Timothy Jinsoo Yoo

Major: *Materials Science and Engineering*

Dissertation: Quantitative Scanning Transmission Electron Microscopy Characterization of Complex Functional Materials with Digital Image Processing and Unsupervised Machine Learning

Dissertation Chair: H. Kim

James Bailey Young

Major: *Chemistry*

Dissertation: Unzipping the Intricacies of Vinyl Polymer Depolymerization: Mechanistic Insights and Implications for Sustainable Polymer Chemistry

Dissertation Chair: B. S. Sumerlin

Bo Yu

Major: *Chemical Engineering*

Dissertation: Tracking Dendritic Cell Therapy Using Magnetic Particle Imaging

Dissertation Chair: C. Rinaldi

Xin Zan

Major: *Industrial and Systems Engineering*

Dissertation: Structured Data Analysis with Weak Supervision in Healthcare Applications

Dissertation Chair: X. Xian

Wenjie Zeng

Major: *Epidemiology*

Dissertation: Integrative Analysis of Clinical and Single-Cell Transcriptomic Data for the Precision Diagnosis and Intervention of Childhood Sjögren's Disease

Dissertation Chair: P. Benos

Yuting Zhai

Major: *Animal Molecular and Cellular Biology*

Dissertation: *Microbial Dynamics in Hosts: Antibiotic Resistance Dissemination, Host Adaptation, and Therapeutic Strategies*

Dissertation Chair: K. C. Jeong

Xi Zhang

Major: *Economics*

Dissertation: *Understanding Educational Quality, Gender Bias, and Mental Well-Being in Higher Education*

Dissertation Chair: G. Heins

Dissertation Co-chair: P. O. Saygin

Hui Zhao

Major: *Interdisciplinary Ecology*

Dissertation: *Sustaining Urban Agriculture: The Role of Ecosystem Service and the Public Involvement*

Dissertation Chair: J. Qiu

Yixin Zhao

Major: *Environmental Engineering Sciences*

Dissertation: *Data-Enabled Modeling and Lifecycle Management of Electric Vehicle Batteries*

Dissertation Chair: S. Behdad

Jieqiang Zhou

Major: *Pharmaceutical Sciences*

Dissertation: *Innovative Translational and Bioanalytical Approaches to Optimize Therapeutic Strategies to Combat Resistant Pathogens*

Dissertation Chair: J. B. Bulitta



DOCTOR OF EDUCATION

Mable Johanna Baker

Major: *Higher Education Administration*

Dissertation: *Reimagining Workforce Training: Expanding Apprenticeships in Healthcare Occupations*

Dissertation Chair: C. Haynes

Trenatee Coleman Solomon

Major: *Higher Education Administration*

Dissertation: *Shades of Belonging: A Phenomenological Approach to Black Females' Sense of Belonging at Predominantly White Institutions*

Dissertation Chair: L. B. Lynch

Jonathan Paul D'Amico

Major: *Special Education*

Dissertation: *Change Leadership for Inclusion: Understanding Processes, Practices, and Personnel*

Dissertation Chair: K. L. Cheyney-Collante

Dissertation Co-chair: H. M. Mathews

Ana Teresita Di Donato

Major: *Higher Education Administration*

Dissertation: *Experiences of First-Generation College Students at a Mid-Sized, Private, Religiously Affiliated Institution That Allow Them to Thrive*

Dissertation Chair: C. Haynes

Charles Bateman Everett

Major: *Higher Education Administration*

Dissertation: *State Authorization Reciprocity, Local Funding, and the Growth of Nonresident Online Enrollments Among Community Colleges*

Dissertation Chair: B. T. Skinner

Kim Allison Hampton

Major: *Curriculum and Instruction*

Dissertation: *Weaving Stories of Scholar Agency and Empowerment in a 4th Grade Classroom: Autoethnography Meets Practitioner Inquiry*

Dissertation Chair: T. T. Brown

Jonathan Edward Higgins

Major: *Curriculum and Instruction*

Dissertation: *A Faculty Perspective on the Development of a Professional Teacher Culture in a New Public High School*

Dissertation Chair: S. G. Terzian

Tracey Mae Kuchar-Long

Major: *Curriculum and Instruction*

Dissertation: *Elementary Teachers Thinking about Equity-Focused Praxis While Engaged in a Professional Learning Community Centered on Universal Design for Learning*

Dissertation Chair: V. A. Vescio

Meredith Leigh Leftakis

Major: *Educational Leadership*

Dissertation: *Predominant Principal Supervisor Practices and Their Perceived Impact*

Dissertation Chair: C. H. Redding

Rachele Elizabeth Maddox

Major: *Special Education*

Dissertation: *Exploring Behavior Analysts' Experiences in an Education Setting*

Dissertation Chair: K. L. Cheyney-Collante

Marna A. Mozeff

Major: *Higher Education Administration*

Dissertation: Focused, Not Decided: Understanding the Lived Experienced of Decided Students Participating in an Exploratory Student Program

Dissertation Chair: L. B. Lynch

Juan Carlos Sánchez Jr.

Major: *Educational Leadership*

Dissertation: The Effect of Miami-Dade County Public School's (M-DCPS) Student Success Centers on Student Discipline, Graduation Rates and Test Scores

Dissertation Chair: F. C. Curran

Lana Mentor St. Hilaire

Major: *Higher Education Administration*

Dissertation: Understanding How School Counselors Learn to Advise Immigrant Students on Postsecondary Education through Their Communities of Practice

Dissertation Chair: F. J. Fernandez

DOCTOR OF AUDIOLOGY

Grayson Alexa Bishop
Jillian Alexandra Boland
Stephanie Eisenberg
Samantha Leigh Erfe

Samantha Leigh Jean
Nicole Anne Kalpin
Alaina Delia Massaro
Meg Frances Schwalm

Grace Alexandra Tilbrook
Victoria Alexandra Torres
Hannah Walsh Uhrig
Cassandra Diane Weller

DOCTOR OF MUSICAL ARTS

Raúl Chaurand Pichardo
Tiffany Fung

Joshua Ryan Pace
Michael Maynard Stanton

Kai Tik Declan Tse
Shichu Xie

DOCTOR OF PLANT MEDICINE

Abigail G. Prohofskey

PROFESSIONAL DEGREES

THE WARRINGTON COLLEGE OF BUSINESS THE HOUGH GRADUATE SCHOOL OF BUSINESS

Dean Sabyasachi Mitra**DOCTOR OF BUSINESS ADMINISTRATION**

David Yin Ha

Geoffrey Poyen

THE COLLEGE OF HEALTH AND HUMAN PERFORMANCE

Dean Michael Reid**DOCTOR OF ATHLETIC TRAINING**

Alexander Alvarez
Dylan Michael Correa
William Woodson Cosby
Paige Ellen Ezell

Erin Delaney Frey
Danielle Patricia Hemly
Savannah Grace McDaniel
Autumn Ileana Pisano

Marina Elaine Renzi
Tiffany Jaily Roberts
George Matthew Sechen III
Serena Anita Shah

THE COLLEGE OF NURSING

Dean Shakira Henderson

DOCTOR OF NURSING PRACTICE

Leahra Lynne Casing Antonio
Alexandra N. Armstrong
Mirland Gina Aubourg
Judy Rose Barrett
Maricar Navarro Baña
Courtney N. Belhart
Valeria Nicole Bristol-Randle
Elizabeth Macari Brothers
Katelynn Ann Brown
Amber Myers Burgbacher
Summer Lynne Burlingame
Tanisha Lee Cabret
Leslie Claire Condon
Chelsea Monique Cuffe
Anisa Cutuk
Pushpa C. Daliya
Julia Jiang Damon
Katherine Ashley De Souza

Kirshline Fleuristal
Gaelle Francois
Lauren A. Gallarelli
Kendal Tiffany Galura
Marilyn Galvez
Leah Olivia Ginn
Kara Elizabeth Godwin Wild
Paige Marie Gravenstein
Constance W. Hartman
Amanda Kristine Kling
Olagoke Muniru Kolapo
Kristol W. Lassiter
Melissa Elaine Liptrap
Kizzy Michelle McCray-Sheppard
Sarah Rachel Mcknight
Maria Belen Medal
Mallory Shaye Mobley
Corinne Paige

Maria Savvina Emmanuel Pantelis
Louise Marjori Paul
Kristina Alyssa Perez
Michelle Ivette Rentas
Jesse Robert Rivera
Jena L. Schmitz
Jamie L. Soroka
Alexandra Marie Spence
Margaret Lyman Spivey
Rosanna Sinibaldi Staab
Alexis Kate Swindle
Cherrymar Tolentino
Morgan Taylor Toscano
Ashley Trivino
Amanda K. Vickers
Laura Wieber
Kaleigh Nichole Williams
Leydi Wong He

THE COLLEGE OF PUBLIC HEALTH AND HEALTH PROFESSIONS

Dean Beth A. Virnig

DOCTOR OF OCCUPATIONAL THERAPY

Danielle Leighann Bellew

Tiffany Marie Knudtson

DOCTOR OF PHYSICAL THERAPY

Jaden Nicole Anderson
Gileah Venize Arceo
Yesenia M. Argueta
Blythe Willow Blackwell
Berneta Shavonda Boldin
Tyler Jonathyn Brown
Conor Daniel Bryan
Mark Anthony Coates
Nuria Curbelo-Bermudez
Briana Caili Dentry
Molli Fay Dodaro
Amanda Marie Dumar
Andrew Thien Duong
Parker Lee Edwards
Rachael Elaine Erb
Gregory Thomas Fox
Isabelle Sara Fox
Kelly J. Green
Arielle Rianne Grusky
Evelyn Hall
Soofia Hameed-Akhtar
Isobel Lucy Harrison
Rebecca Georgiana Hays
Hallie Morgan Henley

Melyn Adean Jessell
Hannah Renee Johnson
Emily Palmer Kesterson
Kara Ashley Kidwell
Cooper Zane Kirkland
Jessica Brooke Knowles
Tara Renee Kochey
Megan Elizabeth Kucera
Jilian Marie Lahey
Jacob Michael Lane
Christopher Lee
Jonathan Joshua Antigua Lee
Jimmy Lindsay
Catherine Anne Loftus
Manuela Lopez Lopez
Victor Manuel Alejandro Lugo Merle
Kaylie M. MacGregor
Nathan A. MacKay
Taylor Angeli Marie Maderazo
Ashley Nicol Martin
Robin Grace Martinez
Stephanie Caitlyn Massie
Benjamin S. Mathew
Abigail Meridith

Savanna Jolie Meyer
Amanda F. Miller
Chandni Navnit Mistry
Zachary David Mitchell
Tuyet Nguyen
Allison Hollaway Orr
Deep Anil Patel
Viral V. Patel
Michael Penny
Kairyn Peyton
Sean M.J. Powell
Patricia Yvonne Jacinto Santos
Macy I. Scanlan
Codi Rae Settoon
Maggie Caroline Steen
Jennifer Lauren Stern
Clyde Edward Summers Jr.
Toni Alexis Underwood
Katelyn Elizabeth Valentine
Nicole S. Weissman
William Ward Whitlock
Delaney Nicole Willingham
Steven Joseph Witchoskey
Congrong Zhang



Chain of Office

This custom-made ornament is worn with the president's regalia, symbolizing the authority and responsibilities of the office. The chain is engraved with the names and service years of the university presidents. The medallion's centerpiece is a 1.3-carat diamond.

Academic Mace

Dating back to the Middle Ages, the mace symbolizes strength and authority. The UF ceremonial mace was created for the university's sesquicentennial celebration in 2003. The 70-inch staff features an alligator sitting atop a globe. The staff is carved from cherry wood. The university's chief marshal, who leads all academic processions, carries the mace.



four pillars supporting the globe represent the four original colleges: Agriculture, Engineering, Law, and Liberal Arts. The staff is carved from cherry wood. The university's chief marshal, who leads all academic processions, carries the mace.



Diplomas

Diplomas will be mailed to the graduates' diploma mailing address in July of 2024.

Caps and Gowns, An Explanation

The academic regalia worn by graduating students and faculty in this era evolved from a style of dress worn by members of guilds and religious orders in medieval times. The academic gown is worn by individuals who have earned a degree in higher education. In addition, hoods are worn by graduate degree candidates but not by undergraduate degree candidates.

At the University of Florida, the lining of the hood has a blue chevron on an orange background to represent the university colors. University faculty members who hold degrees from another college or university wear the colors of their alma mater.

The velvet edging on the academic hood is the color that represents the particular degree held by the wearer. Agricultural and Life Sciences and Forest Resources and Conservation share maize edging; Design, Construction and Planning and Building Construction are lilac; Audiology degrees have colonial blue edging; Business Administration and Accounting are the color drab; Dentistry is lilac; Education is light blue; Engineering degrees are represented by orange edging; Fine Arts degrees have brown edging; Health and Human Performance is sage green; Journalism and Communications is garnet; Law is purple; Liberal Arts is white, and Liberal Sciences is gold yellow; Medicine is green; Music is pink; Natural Resources and Environment is antique gold; Nursing is apricot; Doctor of Occupational Therapy is slate blue; Doctor of Pharmacy is olive; Philosophy is royal blue; Public Health degrees have salmon pink edging; Rehabilitation Counseling degrees have Nile green edging; and Veterinary Medicine is gray.

Distinctions among sleeves indicate the type of degree held by the wearer. A long, pointed sleeve indicates a bachelor's degree, while a long, closed sleeve with a slit near the upper part of the arm designates a master's degree. A round, open sleeve identifies a doctoral degree.

The blue doctoral regalia also has velvet running on the rest of the gown, including crossbars on the sleeve. Colored tassels on the degree candidates' caps indicate a candidate's school or college.



UF

Alma Mater

*Florida, our Alma Mater
Thy glorious name we praise
All thy loyal sons and daughters
A joyous song shall raise.
Where palm and pine are blowing,
Where southern seas are flowing,
Shine forth thy noble Gothic walls,
Thy lovely vine-clad halls.
Neath the Orange and Blue victorious
Our love shall never fail.
There's no other name so glorious—
All hail, Florida, Hail!*

Milton Yeats