Commencement
THIS IS NOT AN OFFICIAL GRADUATION LIST

While every effort is made to ensure accuracy in this commencement program, printing deadlines may result in omission of some names and use of names of persons not completing graduation requirements as intended. This printed program, therefore, should not be used to determine a student’s academic or degree status. The university’s official registry for conferral of degrees is the student’s permanent academic record as reflected on the student’s transcript, maintained by the Office of the University Registrar.
Commencement
SPRING 2020
Greetings from the President

On behalf of the University of Florida, our faculty and our entire university community, I would like to extend my deepest congratulations to you, the Doctoral Graduates of 2020.

I celebrate your remarkable accomplishment in earning a doctoral degree from one of the world’s leading research institutions. I applaud you for your years dedicated to in-depth scholarship, thoughtful analysis and meticulous presentation of your findings. I join you in thanking your faculty advisors, mentors and the family and friends who have supported you in your journey to reach this day.

This is a time for celebration, and also for reflection of your future. Whether you choose to pursue a career in academe, the private sector, government or the nonprofit world, I am confident that the research and analysis skills you honed as a doctoral student will serve you well. The complexity and global nature of today’s professional opportunities demand nothing less.

The university has benefitted from your research work, teaching, insights and discoveries, and we are grateful to you for your time here. We hope you will recall these years fondly, and that you will remain connected to UF as active members of our distinguished alumni.

Good luck, best wishes, and Go Gators!

W. Kent Fuchs

University of Florida President

Dr. W. Kent Fuchs

Dr. Kent Fuchs became the 12th President of the University of Florida in January 2015. Building on many years of excellence and focused leadership, the university has reached its goal of joining the nation’s top-ten public research universities.

Dr. Fuchs has set UF on a path to joining the top-five public research universities and becoming the nation’s number one university for comprehensive excellence. UF is working toward those goals through the creation of 500 new faculty positions, the addition of advanced and beautiful university facilities and an ongoing $3 billion fundraising campaign.

Previous to the UF presidency, Dr. Fuchs was provost of Cornell University. He has served in academic leadership positions and as a faculty member of electrical and computer engineering at Cornell, Purdue and the University of Illinois.

He is a fellow of the American Academy of Arts and Sciences, the American Association for the Advancement of Science, the Institute of Electrical and Electronics Engineers, and the Association for Computing Machinery, and has received numerous awards for teaching and research.

President Fuchs earned his doctorate in electrical and computer engineering from the University of Illinois, and a Master of Divinity from Trinity Evangelical Divinity School. He also holds a Bachelor of Science in Engineering from Duke University.

Dr. Fuchs is married to Linda Moskeland Fuchs, an art historian. The Fuchses have three sons, a daughter, and three grandchildren.

Born on an Oklahoma farm in 1954, President Fuchs spent much of his youth in Alaska before moving to Miami, where he graduated from Miami Killian Senior High School.
# University of Florida Leadership

## State Board of Education
- Richard Corcoran
  - Commissioner of Education
- Andy Tuck
  - Chair
- Marva Johnson
  - Vice Chair

## Florida Board of Governors
- Marshall M. Criser III
  - Chancellor
- Richard Corcoran
  - Commissioner of Education
- Sydney Kitson
  - Chair
- Brian Lamb
  - Vice Chair

## University of Florida Board of Trustees
- Morteza “Mori” Hosseini
  - Chair
- Thomas G. Kuntz
  - Vice Chair

## Deans of the University
- R. Elaine Turner, Ph.D.
  - College of Agricultural and Life Sciences
- Onye P. Ozuzu, M.F.A.
  - College of the Arts
- John Kraft, 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
- Cammy R. Abernathy, Ph.D.
  - Herbert Wertheim College of Engineering
- Henry T. Frierson, Ph.D.
  - The Graduate School
- Michael Reid, Ph.D.
  - College of Health and Human Performance
- Nick Place, Ph.D.
  - IFAS Extension
- Robert Gilbert, Ph.D.
  - IFAS Research

## President and Vice Presidents of the University
- W. Kent Fuchs, Ph.D.
  - President
- Joseph Glover, Ph.D.
  - Provost and Senior Vice President - Academic Affairs
- Charles E. Lane, D.P.A.
  - Senior Vice President and Chief Operating Officer - Administration
- David R. Nelson, M.D.
  - Senior Vice President - Health Affairs
- Jack Payne, Ph.D.
  - Senior Vice President - Agriculture and Natural Resources
- Elias G. Eldayrie, M.B.A.
  - Vice President and Chief Information Officer - Information Technology
- Zina Evans, Ph.D.
  - Associate Provost and Vice President - Enrollment Management
- Antonio Farias, M.F.A.
  - Chief Diversity Officer and Senior Advisor to the President
- Jodi Gentry, M.A.
  - Vice President - Human Resource Services
- Amy M. Hass, J.D.
  - Vice President - General Counsel
- Mark E. Kaplan, J.D.
  - Vice President - Government and Community Relations
- Thomas J. Mitchell, M.S.
  - Vice President - Advancement
- D’Andra Mull, Ph.D.
  - Vice President – Student Affairs
- David Norton, Ph.D.
  - Vice President - Research
- Nancy Paton, M.S.
  - Vice President for Strategic Communications and Marketing
- Curtis Reynolds, M.B.A., M.S.E.E.
  - Vice President - Business Affairs

## University of Florida Libraries
- Leonardo Villalón, Ph.D.
  - International Center
- Diane H. McFarlin, B.S.
  - College of Journalism and Communications
- Laura A. Rosebury, J.D.
  - Fredric G. Levin College of Law
- David E. Richardson, Ph.D.
  - College of Liberal Arts and Sciences
- Adrian Tyndall, M.D., M.P.H.
  - Interim, College of Medicine
- Anna M. McDaniel, Ph.D., R.N.
  - College of Nursing
- Julie A. Johnson, Pharm.D., R.N.
  - College of Pharmacy
- Michael G. Perri, Ph.D.
  - College of Public Health and Health Professions
- Dana Zimmel, D.V.M.
  - Interim, College of Veterinary Medicine
- Judith C. Russell, M.S.
  - University Libraries
- Heather White, Ph.D.
  - Dean of Students
Kelsey S. Aadland  
Major: Microbiology and Cell Science  
Dissertation: Conservation of Early miRNA Biogenesis in Animal and Plant Lineages  
Dissertation Chair: B. D. Kolaczkowski  

Nader Farhan Abdulhameed  
Major: Materials Science and Engineering  
Dissertation: Quantitative Fractographic Analysis to Measure the Fracture Toughness of Dental Resin Composites  
Dissertation Chair: J. J. Mecholsky, Jr.  

Daniel Nicholas Acton  
Major: Criminology, Law, and Society  
Dissertation: Sibling Influences: Delinquency and Victimization  
Dissertation Chair: C. L. Gibson  

Stephanie M. Adams  
Major: Forest Resources and Conservation  
Dissertation: Physiological, Morphological, and Biochemical Changes in Persea Species’ Response to Laurel Wilt after Paclobutrazol Treatments  
Dissertation Chair: J. A. Smith  

Pedro F. Adorno Maldonado  
Major: Civil Engineering  
Dissertation: The Effects of Emerging Transportation Technologies (Time-to-Green Mobile Apps in Particular) on Drivers’ Behaviors and Safety at Signalized Intersections  
Dissertation Chair: S. Srinivasan  

Nihan Agacli Dogan  
Major: Curriculum and Instruction  
Dissertation: Description and Exploration of Middle School Students’ Acceptance of Chromebooks: A Mixed Methods Study  
Dissertation Chair: K. M. Dawson  

Natasha Marie Agramonte  
Major: Entomology and Nematology  
Dissertation: Neuroethology of Pyrethroid-Resistant Aedes aegypti: Toxicological Differences, Excito-Repellent Behaviors, and Electrophysiological Firing Response to Pyrethroid Insecticides  
Dissertation Chair: J. R. Bloomquist  
Dissertation Co-chair: U. R. Bernier  

Niousha Ahmari  
Major: Medical Sciences—Physiology and Functional Genomics  
Dissertation: Targeting Peripheral and Central Immune Changes in Obesity and Hypertension through Bone Marrow Beta-Adrenergic Blockade  
Dissertation Chair: J. Zubcevic  

Kawther Sahib Al Jasim  
Major: Horticultural Sciences  
Dissertation: Novel Approaches to Induce Early Flowering and Fruiting in Juvenile Citrus Hybrids and Transgenic Plants  
Dissertation Chair: J. W. Grosser  

Mohammed Al Meqdad  
Major: Linguistics  
Dissertation: Discourse and Identity among Syrian Refugees: A Qualitative Analysis of Institutional and Refugee Discourse  
Dissertation Chair: D. Boxer
Mimonah Qasim Al Qathrady  
Major: Computer Engineering  
Dissertation: Data-Driven Indoor Mobility Analysis, Modeling, and Encounter Classification for IoT Applications  
Dissertation Chair: A. A. Helmy

Yasser Thakkar Albogami  
Major: Pharmaceutical Sciences—Pharmaceutical Outcomes and Policy  
Dissertation: Safety and Effectiveness of Pharmacological Treatments in Patients with Chronic Lower Respiratory Disease and Type II Diabetes  
Dissertation Chair: A. G. Winterstein

Bahareh Alipanahi Ramandi  
Major: Computer Science  
Dissertation: Variants and Applications of Colored de Bruijn Graphs  
Dissertation Chair: C. A. Boucher

Abdulrahman Salah Almithn  
Major: Chemical Engineering  
Dissertation: C-X Bond Hydrogenolysis on Transition Metals: Effects of High CO-Adsorbates Coverages, Catalyst Model, and Phosphorus Incorporation  
Dissertation Chair: D. Hibbitts

Mohammad Hasan Alshaer  
Major: Pharmaceutical Sciences—Clinical Pharmaceutical Sciences  
Dissertation: Therapeutic Optimization of Antibacterial Agents  
Dissertation Chair: C. A. Peloquin

Valeria Alterman  
Major: Business Administration—Management  
Dissertation: Can Specialized Attention from HR Backfire? The Role of Older Worker-Specific HR Practices on the Retention of Older Workers  
Dissertation Chair: M. Wang

Zuhair Abdulmohsin Al-Yousef  
Major: Chemical Engineering  
Dissertation: Improved Control of Direct Methanol Fuel Cells via Multivariable Methods  
Dissertation Chair: O. D. Crisalle

Icaro Alzuru Cortez  
Major: Computer Engineering  
Dissertation: Human-Machine Extraction of Information from Biological Collections  
Dissertation Chair: J. A. Fortes

Prabha Rajini Amarasinghe  
Major: Botany  
Dissertation: Evolution of Memecylon (Melastomataceae) in the Old World Tropics at Multiple Scales  
Dissertation Chair: N. Cellinese

Kelsey Andersen Onofre  
Major: Plant Pathology  
Dissertation: Modeling Epidemics in Seed Systems to Inform Intervention  
Dissertation Chair: K. A. Garrett

Jesse D. Anderson  
Major: Design, Construction and Planning  
Dissertation: The Political Efficacy of Informal Settlements in Patna, Bihar  
Dissertation Chair: A. Alakshendra

Altan Apar  
Major: Political Science  
Dissertation: Competitiveness as a Security Dispositif in the International System  
Dissertation Chair: I. Oren  
Dissertation Co-chair: A. A. Hozic
Stephen Michael Apple  
Major:  Aerospace Engineering  
Dissertation:  Design and Performance Characterization of a New LISA-Like Gravitational Reference Sensor Test Bed Using the UF Torsion Pendulum  
Dissertation Chair:  J. Conklin

Lucas Hunter Armitage  
Major:  Medical Sciences—Immunology and Microbiology  
Dissertation:  Regulation of Innate Immune Cell Function and Dysfunction by PTPN22 Allotypes  
Dissertation Chair:  C. E. Mathews

Vadim Da Costa Arsky Filho  
Major:  Music Education  
Dissertation:  A Comparison of Brazilian and United States First Year Music Majors’ Pre-College Musical Experiences and Musical Self-Concept  
Dissertation Chair:  W. Bauer

Ibukun Timothy Ayankojo  
Major:  Soil and Water Sciences  
Minor:  Agronomy  
Dissertation Chair:  K. T. Morgan

Ori R. Baber  
Major:  Health and Human Performance  
Dissertation:  A New Spatial-Interaction Approach to Evaluate Neighborhood-Level Equity in Access to Opportunities for Physical Activity  
Dissertation Chair:  H. J. Gibson

Grant Alexander Backlund  
Major:  Statistics  
Dissertation:  Analysis of Markov Chain Monte Carlo Algorithms for Bayesian Regression Models with Heavy-Tailed and Skewed Error Distributions  
Dissertation Chair:  J. P. Hobert

Kamaldeep Kaur Bansal  
Major:  Plant Pathology  
Dissertation:  Comparative Genomics and Transcriptomics of the Pollen-Mimicking Floral Infection of Blueberry by Monilinia vaccinii-corymbosi  
Dissertation Chair:  J. A. Rollins

Danielle Barbe  
Major:  Health and Human Performance  
Minor:  Mass Communication  
Dissertation:  Developing a Crisis Communication Model for the Tourism Industry: The Effects of Source, Media, and Time  
Dissertation Chair:  L. Pennington

Molly Anne Barlow  
Major:  Psychology  
Dissertation:  Effects of Economic Context on the Discounting of Delayed and Probabilistic Gains and Losses  
Dissertation Chair:  J. Dallery

Brooke E. Barnes  
Major:  Chemistry  
Dissertation:  The Effect of Peptide Specific Interactions on Polymer Self-Assembly  
Dissertation Chair:  B. S. Sumerlin

Colin Sheldon Barquist  
Major:  Physics  
Dissertation:  Design, Development, Fabrication, and Measurement of Micro-Electromechanical Oscillators for the Study of Quantum Turbulence and Other Superfluid Properties  
Dissertation Chair:  Y. Lee
Adam R. Benjamin  
Major: Forest Resources and Conservation  
Dissertation: Improving Structure from Motion Photogrammetry Mapping Operations through Efficiency and Accuracy Analysis  
Dissertation Chair: H. H. Hochmair

Ann Bernert  
Major: Plant Molecular and Cellular Biology  
Dissertation: Discovery of QruA Function and Prospects for Engineering Quinone Metabolism in Bacteria, Yeast, and Plants  
Dissertation Chair: G. J. Basset

Rajendra Rana Bhat  
Major: Electrical and Computer Engineering  
Dissertation: Deep Semi-Temporal Learning and Application in Genomics and Precision Medicine  
Dissertation Chair: D. Wu

Krishna Bhattarai  
Major: Horticultural Sciences—Environmental Horticulture  
Dissertation: Genetic Mapping and Next-Generation Sequencing to Identify Quantitative Trait Loci and Candidate Genes for Powdery Mildew Resistance in Gerbera (Gerbera hybrida)  
Dissertation Chair: Z. Deng  
Dissertation Co-chair: D. G. Clark

Kerri Lisa Blumenthal  
Major: Religion  
Dissertation: Rejecting the Eagle, Embracing the Condor: Spirituality and Lifestyle Migration among North Americans in Cuzco, Peru  
Dissertation Chair: A. Peterson

Gregory Harlan Bontrager  
Major: Linguistics  
Dissertation: Effect of Orthographic Depth on Reading in English and Spanish  
Dissertation Chair: C. R. Wiltshire

Wesley W. Boone IV  
Major: Wildlife Ecology and Conservation  
Dissertation: Ecology and Population Genetics of Marsh Rice Rats and Hspid Cotton Rats on Near-Shore Islands  
Dissertation Chair: R. A. McCleery  
Dissertation Co-chair: J. D. Austin

Thiago Borba Onofre  
Major: Agricultural and Biological Engineering  
Dissertation: Development of an Internet of Things Data Collection Platform for Agricultural Applications  
Dissertation Chair: C. W. Fraisse  
Dissertation Co-chair: J. Y. McNair

Khlood Saleh Bubshait  
Major: Nursing Sciences  
Dissertation: Maternal Voice as a Regulator of Neural Development in Premature Infants  
Dissertation Chair: C. A. Krueger

Chesya Burke  
Major: English  
Dissertation: #Hashtag, Black Girl Magic: Reimagining Black Women Fluid Artists within the Spirituality of Womanism  
Dissertation Chair: D. W. King

Katie Ann Butera  
Major: Rehabilitation Science  
Dissertation Chair: S. George  
Dissertation Co-chair: E. J. Fox
John Marcus Cain  
Major: Chemistry  
Dissertation: Mechanisms for Emergent Behavior Derived from Interface Strain in Nanoscale Spin Transition Heterostructures  
Dissertation Chair: D. R. Talham

Salvatore John Calise III  
Major: Medical Sciences—Molecular Cell Biology  
Dissertation: The Role of Inosine Monophosphate Dehydrogenase Filaments in Cell Biology  
Dissertation Chair: E. K. Chan

Christina M. Callicott  
Major: Anthropology  
Dissertation: Music, Plants, and Medicine: Lamista Shamanism in the Age of Internationalization  
Dissertation Chair: C. M. Tucker

Will Gaston Carden  
Major: Chemistry  
Dissertation: Ligand Effects in Gold Precursors for Focused Electron Beam Induced Deposition  
Dissertation Chair: L. A. McElwee-White

Sarah Beth Carey  
Major: Botany  
Dissertation: Sex-Biased Evolutionary Processes in Mosses  
Dissertation Chair: S. McDaniel

Stephanie T. Carnell  
Major: Human-Centered Computing  
Dissertation: Using Virtual Human Communication Skills Learning Scenarios to Study and Affect Learner Message Production  
Dissertation Chair: B. Lok

Keisha Yarie Castillo-Torres  
Major: Electrical and Computer Engineering  
Dissertation: Magnetic Isolation of Fecal Indicating Bacteria Using Bio-Functionalized Magnetic Microdiscs for Water Quality Monitoring  
Dissertation Chair: D. P. Arnold

Madison Ward Cates  
Major: History  
Dissertation Chair: W. Link

Nicholas David Cavallaro  
Major: Agricultural and Biological Engineering  
Dissertation: Laser Carbonized Biosensors for Point of Use Detection of Listeria monocytogenes  
Dissertation Chair: E. McLamore

Elizabeth Cerejido  
Major: Art History  
Dissertation Chair: M. Stanfield-Mazzi  
Dissertation Co-chair: K. Cabanas

Aokun Chen  
Major: Electrical and Computer Engineering  
Dissertation: On the Feasibility and Temporal Consistency of Personalized, Human-Centric Computer Usage Profiling for Continuous Authentication  
Dissertation Chair: D. Oliveira
Amani Cheniour  
Major: Materials Science and Engineering  
Dissertation: Study of U₃Si₂ Fuel Microstructure Behavior under LWR Conditions Using the Phase Field Method  
Dissertation Chair: M. Tonks

Andreina Chiu Lam  
Major: Chemical Engineering  
Dissertation Chair: C. Rinaldi

Kwansun Cho  
Major: Electrical and Computer Engineering  
Minor: Communication Sciences and Disorders  
Dissertation: Foreign Accent Assessment in Second-Language Vowels  
Dissertation Chair: J. G. Harris

Bhaswati Choudhury  
Major: Mechanical Engineering  
Dissertation: Study of Dielectric Barrier Discharge (DBD) Plasma-Based Fluid Decontamination  
Dissertation Chair: S. Roy

Thomas J. Cirino  
Major: Pharmaceutical Sciences—Pharmacodynamics  
Dissertation: Biological Mediators of Pain, Substance Abuse and Cognitive Impairment in HIV Infection: Sufficiency of the HIV-Tat Protein  
Dissertation Chair: J. P. McLaughlin

Christopher Jordan Clukay  
Major: Anthropology  
Dissertation: Exploring the Role of Genetics and Epigenetics in Response to Conflict-Related Violence  
Dissertation Chair: C. J. Mulligan

Sayak Das Gupta  
Major: Chemistry  
Dissertation: Polynuclear Cerium/Manganese-oxo Clusters and Their Structural Relevance to Composite Oxides of Cerium and Manganese  
Dissertation Chair: G. Christou

Trevor Davila  
Major: Mathematics  
Dissertation: Infinite-Dimensional Coarse Geometry of Groups and Spaces  
Dissertation Chair: A. N. Dranishnikov

Adrian Diaz  
Major: Aerospace Engineering  
Dissertation: A Concurrent Atomistic-Continuum Method for Massively Parallel Simulation of Non-Equilibrium Solids  
Dissertation Chair: Y. Chen

James Daniel Diffenderfer  
Major: Mathematics  
Dissertation: An Active Set Method for Nonlinear Programming  
Dissertation Chair: W. W. Hager

Christopher Aaron DiScenza  
Major: Coastal and Oceanographic Engineering  
Dissertation: Wave Turbulence of Edge Waves  
Dissertation Chair: A. A. Sheremet

Brittney Nicole Dixon  
Major: Public Health  
Dissertation: The Association between the Built Environment and Intervention-Related Weight Loss Outcomes for Rural Adults with Obesity  
Dissertation Chair: K. M. Ross
Lisa G. Duffy  
Major: Anthropology  
Dissertation: Using Residue Analysis to Explore Ancient Maya Recipes and Food-Processing Technology  
Dissertation Chair: K. F. Emery

Kyle A. Dyson  
Major: Medical Sciences—Immunology and Microbiology  
Dissertation: Towards a Comprehensive Understanding of Medulloblastoma Immunobiology  
Dissertation Chair: D. Mitchell

Parker Benjamin Edwards  
Major: Mathematics  
Dissertation: A New Palette for Persistence Landscapes  
Dissertation Chair: P. Bubenik

Robert Stephen Eisinger  
Major: Medical Sciences—Neuroscience  
Dissertation: Reward Processing and Impulsivity in Parkinson's Disease  
Dissertation Chair: A. Gunduz

Amy L. Elliott  
Major: Epidemiology  
Dissertation: Racial/Ethnic and Area Deprivation Disparities in the Juvenile Justice Drug and Alcohol Use Services Cascade  
Dissertation Chair: L. B. Cottler

Fabien Emmetiere  
Major: Chemistry  
Dissertation: Knoevenagel Adduct Allyl Anions: A Platform for Simplifying and Diversifying Complex Molecule Synthesis  
Dissertation Chair: A. J. Grenning

Michael Esbach  
Major: Interdisciplinary Ecology  
Dissertation: Hunting for Justice: Indigenous Self-Determination and the Sustainability of Subsistence in the Ecuadorian Amazon  
Dissertation Chair: B. A. Loiselle

Brandon James Eudy  
Major: Nutritional Sciences  
Dissertation: Role of Adenosine and Adenosine Receptors in Cytokine Secretion from Macrophages and Implication to Immune Function in a Mouse Model of Liver Damage  
Dissertation Chair: R. P. Da Silva

Ying Fan  
Major: Food Science  
Minor: Food and Resource Economics  
Dissertation: Determination of Whiteleg Shrimp Quality by a Sensory Evaluation Method Using Aqueous Aroma Dilutions and by a Colorimetric Strip Method  
Dissertation Chair: P. J. Sarnoski  
Dissertation Co-chair: K. R. Schneider

Daniel Elias Farrah  
Major: Design, Construction and Planning  
Dissertation: Integration of Environmental Indicators into Land-Use Conflict Identification Strategy to Analyze the Impacts of Multiple Land Use Scenarios  
Dissertation Chair: P. D. Zwick

Henrietta Oyeyemi Fasanya  
Major: Medical Sciences—Cancer Biology  
Dissertation: The Role of Cathepsin Inhibition in Osteosarcoma Metastasis  
Dissertation Chair: D. W. Siemann
Ehsan Fereyduni  
**Major:** Chemistry  
**Dissertation:** Discovery of a Room-Temperature Cope Rearrangement and Applications in Synthesis of Terpenes, Complex Amides, and Esters  
**Dissertation Chair:** A. J. Grenning

Gabriel Alejandro Fernandez Bueno  
**Major:** Medical Sciences—Immunology and Microbiology  
**Dissertation:** Mitochondrial Dysfunction as a Component of Pathogenesis in Non-Alcoholic Fatty Liver Disease and Type 2 Diabetes Mellitus  
**Dissertation Chair:** C. E. Mathews

Paula Fernandez Hernandez  
**Major:** Romance Languages—Spanish  
**Dissertation:** Canary Islands and the Caribbean at the Anthropocene Crossroads: Islands and Feminine and/or Feminist Poetry in the 21\textsuperscript{st} Century  
**Dissertation Chair:** E. Barradas

Alinka Leila Földesi-Freeman  
**Major:** Nursing Sciences  
**Dissertation:** HIV-Related Stigma and Medication Adherence: A Rural-Urban-Suburban Comparison Using Secondary Data from a Florida Cohort  
**Dissertation Chair:** J. R. Stacciarini

Kara Lea Fransisco  
**Major:** Sociology  
**Dissertation:** Bad Bodies and Contested Conceptions: Exploring Trying to Conceive, Pregnancy, and Birth  
**Dissertation Chair:** B. A. Zsembik

Ian R. Frazier  
**Major:** Psychology  
**Dissertation:** Trust-Related Decision Making and Aging  
**Dissertation Chair:** N. C. Ebner

Michele Lisa Fullarton  
**Major:** Materials Science and Engineering  
**Dissertation:** Thermodynamics and Charged Defects in Nuclear Alloys and Semiconductor Materials from First-Principles Calculations  
**Dissertation Chair:** S. R. Phillpot

Elyssa J. Gage  
**Major:** History  
**Dissertation:** 'A Softer and More Durable Glory': Narratives of Justice and Colonialism in the French Atlantic, 1801-1830  
**Dissertation Chair:** S. T. Kroen

Kareem A. Galal  
**Major:** Pharmaceutical Sciences—Medicinal Chemistry  
**Dissertation:** Synthesis and Biological Evaluation of Optimized Analogues of Benzyl Piperidine Based Neuropeptide FF Receptor Ligands  
**Dissertation Chair:** C. R. McCurdy

Mayur Ghatge  
**Major:** Electrical and Computer Engineering  
**Dissertation:** Linear and Non-Linear Micro-Acoustic Waveguides for Frequency Control Applications  
**Dissertation Chair:** R. Tabrizian

Elizabeth Maura Gleeson  
**Major:** Art History  
**Dissertation:** Between the Public and Private: Women's Networks and the Politics of Portraiture at Napoleon's Court  
**Dissertation Chair:** M. L. Hyde
Emma Grauerholz-Fisher  
Major: *Psychology*  
Dissertation: Assessment and Teaching of Task Analyses in Individuals with Autism Spectrum Disorders  
Dissertation Chair: T. R. Vollmer

Jandy A. Gu  
Major: *Anthropology*  
Dissertation: Vanguard or Vandal: Symbolic Boundaries and Subjectivities of Grafite and Pixação in São Paulo, Brazil  
Dissertation Chair: I. Jusionyte  
Dissertation Co-chair: M. J. Heckenberger

Dongwoo Hahn  
Major: *Health and Human Performance*  
Dissertation: Diaphragm Weakness in Acute Myocardial Infarction by NAD(P)H Oxidase 4: Murine Diaphragm Preparation for Mitochondrial Function Assessment  
Dissertation Chair: L. F. Ferreira

LB Hannahs  
Major: *Higher Education Administration*  
Dissertation: From the Top Down: An Exploratory Study of a Diversity Mandate  
Dissertation Chair: K. D. Peck Parrott

Clarissa M. Harris  
Major: *Animal Sciences*  
Dissertation: The Antimicrobial Effects of a Vinegar-Based Ingredient, Lauric Arginate and Ethylenediamine Tetraacetic Acid against *Salmonella* on Skinless Ground Chicken Breast Meat  
Dissertation Chair: S. K. Williams

Holden Earl Harris  
Major: *Interdisciplinary Ecology*  
Dissertation: Viability and Effectiveness of a Commercial Fishery to Mitigate Invasive Lionfish in the Northern Gulf of Mexico  
Dissertation Chair: M. S. Allen  
Dissertation Co-chair: W. F. Patterson III

Angelique M. Haworth  
Major: *Educational Leadership*  
Dissertation: The Principal as an Advocate for Gifted Programs: A Multiple Case Study  
Dissertation Chair: L. B. Eldridge  
Dissertation Co-chair: L. J. Searby

Kirsten A. Hecht  
Major: *Interdisciplinary Ecology*  
Dissertation: A Mixed-Methods Investigation of Public Engagement Activities by Herpetologists  
Dissertation Chair: K. A. Stofer  
Dissertation Co-chair: M. A. Nickerson

Kristofer Thomas Henderson  
Major: *Electrical and Computer Engineering*  
Dissertation: Sensor Fusion for Non-Line-of-Sight Visualization and Imaging  
Dissertation Chair: S. J. Koppal

Lauren Michael Henry  
Major: *Criminology, Law, and Society*  
Dissertation: Prosecutorial Sexual Assault Case Declination in Indian Country: A Legal Theory Consideration  
Dissertation Chair: L. M. Lanza Kaduce

Kevin A. Henson  
Major: *Environmental Engineering Sciences*  
Dissertation: Quantifying the Effects of Upland Management on the Hydrology, Flora, and Fauna of Pine Flatwoods-Wetland Mosaics in the Southeastern United States  
Dissertation Chair: D. A. Kaplan
Marilyn Horta  
Major: Psychology  
Dissertation: The Effects of Chronic Intranasal Oxytocin Administration and Brain Mechanisms Underlying Dynamic Emotion Identification Accuracy in Healthy Aging  
Dissertation Chair: N. C. Ebner  
Dissertation Co-chair: A. Keil

Cody Coyotee Howard  
Major: Botany  
Dissertation: Evolutionary Insights into Monocotyledonous Geophytes  
Dissertation Chair: N. Cellinese

Muhammad Imran  
Major: Physics  
Dissertation: Theory of Magnetotransport in the Dirac and Weyl Semimetals  
Dissertation Chair: S. P. Hershfield

Cameron Jerome Jack  
Major: Entomology and Nematology  
Dissertation: Facilitating the Development of an Integrated Pest Management Approach for Controlling Varroa destructor in Florida  
Dissertation Chair: J. Ellis

Haoming Jin  
Major: Physics  
Minor: Materials Science and Engineering  
Dissertation: Comparative Studies of the Electrical Properties of Heterostructures Containing Topological Insulators or Strontium Titanate  
Dissertation Chair: A. F. Hebard

Lindsay M. Johnson  
Major: Zoology  
Dissertation: Phenotypic Effects of Spontaneous Mutations in Caenorhabditis elegans  
Dissertation Chair: C. Baer

Andrew S. Jones  
Major: Chemical Engineering  
Dissertation: Doped Rare-Earth Oxides for the Oxidative Coupling of Methane  
Dissertation Chair: H. E. Hagelin Weaver

Harrison Henry Jones  
Major: Zoology  
Dissertation: Avian Behavioral and Community-Level Responses to Forest Fragmentation in the Western Andes of Colombia  
Dissertation Chair: T. Palmer  
Dissertation Co-chair: S. K. Robinson

Madison P. Jones IV  
Major: English  
Dissertation: Writing, Place, Network: Scale and Digital Rhetoric  
Dissertation Chair: S. I. Dobrin

Rachel Elaine Joyce  
Major: Microbiology and Cell Science  
Dissertation: Bioprecipitation: The Connection between Microbiology and Meteorology  
Dissertation Chair: B. C. Christner

Colin Patrick Kearney  
Major: Mass Communication  
Dissertation: Regionalism in Prime-Time: An Examination of the American South on Television  
Dissertation Chair: R. Rodgers
Oliver Keller
Major: *Entomology and Nematology*
Dissertation: Studies on *Robopus Motschulsky, 1853* and *Heterophotinus Oliver, 1894* and Related West Indian Fireflies *(Coleoptera: Lampyridae)*
Dissertation Chair: M. A. Branham

Rachel Catherine Kelley
Major: *Health and Human Performance*
Minor: *Nutritional Sciences*
Dissertation: Skeletal Muscle and Cardiac Abnormalities in Diet-Induced Obesity and Heart Failure with Preserved Ejection Fraction
Dissertation Chair: L. F. Ferreira

Roozbeh Kebabi
Major: *Computer Engineering*
Dissertation: Enabling Urban-Scale Simulation, Similarity, Matching, and Forecasting Applications Using Spatio-Temporal Analysis of Vehicular Mobility
Dissertation Chair: A. A. Helmy

Erica Jean Kiernan
Major: *Public Health*
Dissertation: Evaluating the Relationship between Apathy and Grit with Participation in a Parkinson's Community Exercise Program
Dissertation Chair: A. V. Blue

Benjamin J. Kimock
Major: *Astronomy*
Dissertation: Lyman-α Blobs in Cosmological Simulations
Dissertation Chair: D. T. Narayanan

Tamara Ibragimovna Khudoyberdieva King
Major: *Pharmaceutical Sciences—Pharmacy*
Dissertation: Bioanalytical Method Development, Validation, and Application to Preclinical Pharmacokinetic Studies of Neuropeptide FF Targeting Compounds and Kratom Alkaloids
Dissertation Chair: T. D. Schmittgen
Dissertation Co-chair: C. R. McCurdy

Rahul Babu Koneru
Major: *Mechanical Engineering*
Dissertation: Investigations of Shock Wave-Particle Bed Interactions Using a Euler-Lagrange Framework
Dissertation Chair: S. Balachandar

Pavlo Ivan Kravchenko
Major: *Chemical Engineering*
Dissertation Chair: D. Hibbitts

Ouidad Lahtigui
Major: *Chemistry*
Dissertation: Fundamental and Applied Studies of the Cope Rearrangement
Dissertation Chair: A. J. Grenning

Kangjae Lee
Major: *Mechanical Engineering*
Dissertation: A Laser-Based Heating System Coupled within Operando Raman Spectroscopy for Studying Solar Thermochemical Redox Cycles of Ceria and LSM Perovskites
Dissertation Chair: J. Scheffe
Sangyoul Lee  
Major: Food and Resource Economics  
Dissertation: The Unintended Consequences of Environmental Regulation and Voluntary Pollution Prevention Program: Substitution, Leakage, and Spillover  
Dissertation Chair: X. Bi

Patrice J. Leopold  
Major: Counseling and Counselor Education  
Dissertation: Examining Empathy, Resilience, and Parental Attachment as Mediators for Intergenerational Transmission of Conflict in Dyadic Romantic Relationships  
Dissertation Chair: J. Swank

Alice Kelsey Lewis  
Major: Zoology  
Dissertation Chair: M. J. Cohn

Gengnan Li  
Major: Chemistry  
Dissertation: Structural and Functional Investigation of Macromolecules in Natural Product Biosynthetic Pathways  
Dissertation Chair: S. D. Bruner

Shuzhan Li  
Major: Curriculum and Instruction  
Dissertation: Rural Mainstream Elementary Teacher Identity in Teaching English Language Learners  
Dissertation Chair: M. R. Coady

Tiantian Li  
Major: Soil and Water Sciences  
Dissertation: From Biowaste to Value Added Materials and Its Application in Soil and Water  
Dissertation Chair: Y. Li  
Dissertation Co-chair: Z. Tong

Yang Li  
Major: Mechanical Engineering  
Dissertation: A Multiscale Simulation Study of PbTe-PbSe Heterostructures from Growth to Defect Formation to Phonon Transport  
Dissertation Chair: Y. Chen

Ying-Yu Liao  
Major: Plant Pathology  
Dissertation: Antibacterial Potential of Nano Magnesium, and Role of Type VI Secretion System of Xanthomonas perforans  
Dissertation Chair: M. Paret  
Dissertation Co-chair: J. B. Jones

Yi Ting Lien  
Major: Pharmaceutical Sciences—Pharmacy  
Dissertation: Application of Pharmacometric Principles for Enhanced Decision Making in Special Patient Populations  
Dissertation Chair: S. Schmidt  
Dissertation Co-chair: V. Vozmediano Esteban

Andrea Lin  
Major: Medical Sciences—Immunology and Microbiology  
Dissertation: Immune Changes with ATG+GCSF Therapy and Its Impacts on C-Peptide Preservation in Type 1 Diabetes  
Dissertation Chair: C. E. Mathews

Thomas Linehan  
Major: Aerospace Engineering  
Dissertation: Vortex Flows and the Stability and Control of Thin Low-Aspect-Ratio Wings with Application to Bird Landing  
Dissertation Chair: K. Mohseni
Taylor N. Lipscomb  
Major: Fisheries and Aquatic Sciences  
Dissertation: Using Larval Digestive System Ontogeny to Inform Larviculture Protocols in Freshwater Ornamental Fishes  
Dissertation Chair: M. A. DiMaggio

Jun Liu  
Major: Research and Evaluation Methodology  
Dissertation: Detecting Differential Item Functioning Items through the Use of Multiple Group Mixture Item Response Theory Model  
Dissertation Chair: D. Miller

Yiyang Liu  
Major: Epidemiology  
Dissertation: Cocaine Use Patterns and Polysubstance Use among Cocaine Users from a National Survey  
Dissertation Chair: L. B. Cottler

Yue Liu  
Major: Environmental Engineering Sciences  
Dissertation: Mathematical and Physical Models of Urban Particulate Granulometry  
Dissertation Chair: J. J. Sansalone

Jason Paul Longtin  
Major: Music Education  
Dissertation: The Experiences of Music Education Majors Who Transfer from a Two-Year College to a Public Four-Year University in Florida: A Hermeneutic Phenomenology  
Dissertation Chair: W. Bauer

Beatriz Lopez Gutierrez  
Major: Forest Resources and Conservation  
Dissertation: Challenges and Opportunities for Biodiversity Conservation through Nature-Based Activities in the Osa Peninsula of Costa Rica  
Dissertation Chair: E. N. Broadbent

Natercia Lourinho Moura do Valle  
Major: Curriculum and Instruction  
Minor: Research and Evaluation Methodology  
Dissertation: The Influence of Learning Analytics Dashboard Design on Learners’ Statistics Anxiety, Motivation, and Learning Performance  
Dissertation Chair: P. Antonenko

Xiaojie Lu  
Major: Design, Construction and Planning  
Minor: Statistics  
Dissertation: Exploring the Effects of Innovative Lighting Interventions on Older Adults’ Movement Behaviors and Overcoming Fear of Falling  
Dissertation Chair: S. Ahrentzen

Yanyan Lu  
Major: Soil and Water Sciences  
Dissertation: Agronomic and Environmental Impact of Land Application of Biosolids on Bahiagrass Pastures in Florida  
Dissertation Chair: M. L. Silveira

Yu Lu  
Major: Materials Science and Engineering  
Dissertation: Understanding the Microstructure Evolution and Mechanical Property Degradation of Thermally Aged and Neutron Irradiated Duplex Stainless Steels  
Dissertation Chair: Y. Yang

Yangdi Lyu  
Major: Computer Science  
Dissertation: Test Generation for System-On-Chip Security Validation  
Dissertation Chair: P. K. Mishra
Russell Michael Macoon
Major: Chemical Engineering
Dissertation: Dispersion of Drug Particles and Emulsion Drops in Oleogels for Ophthalmic Drug Delivery
Dissertation Chair: J. E. Butler
Dissertation Co-chair: A. Chauhan

Katherine Maslak Madson
Major: Design, Construction and Planning
Dissertation: Evaluation of Types of Flexibility in Delivering Manufacturing Facilities and a Real Options Analysis of Scalability within the Pharmaceutical Sector
Dissertation Chair: B. W. Franz

Matthew David Magennis
Major: Health and Human Performance
Dissertation: Emotion and Movement Quality: Speed, Smoothness and Timing Accuracy
Dissertation Chair: C. M. Janelle

Nidza Vizcarra Marichal
Major: Curriculum and Instruction
Dissertation: Teacher Knowledge about Teaching Rural Secondary English Learners
Dissertation Chair: M. R. Coady

Maria Dolores Martin Gasulla
Major: Civil Engineering
Dissertation: Integrating Autonomy and Connectivity to Improve Traffic Operations at Roundabouts
Dissertation Chair: A. Elefteriadou

Michaela Wynne McCrary
Major: Biomedical Engineering
Dissertation: Development of Spinal Cord Injury In Vitro Model Systems and In Vivo Therapeutic Strategies
Dissertation Chair: C. E. Schmidt

Lucas Glen McEachron
Major: Interdisciplinary Ecology
Dissertation: Reef Fish Spatial Distributions Throughout the Florida Keys in the Context of Matrix Effects, Trophic Dynamics, and Complementary Modeling Techniques
Dissertation Chair: R. J. Fletcher, Jr.
Dissertation Co-chair: M. S. Allen

Antionette M. McFarlane
Major: Sociology
Dissertation: "Black Men and Women Are Not Raised to Love Each Other": The Perspectives of Black College Students regarding Dating Violence
Dissertation Chair: C. L. Shehan

Noah John McFerran
Major: Nuclear Engineering Sciences
Dissertation: Surface Measurement Gamma-Ray Spectroscopy Variation Characterization of Filled Uranium Hexafluoride Cylinders
Dissertation Chair: P. J. Enqvist

Daniel C. Melear
Major: Counseling and Counselor Education
Dissertation: A Qualitative Study of How Couple Counselors Understand Apology and Adaptive Shame in Relationship Repair with Couples Facing Infidelity
Dissertation Chair: S. L. Smith

Anthony Eli Melton
Major: Botany
Dissertation: Molecular Evolutionary and Macroecological Investigations of the Eastern Asia—Eastern North America Floristic Disjunction
Dissertation Chair: D. E. Soltis
Dissertation Co-chair: P. S. Soltis
Andrew L. Miller  
**Major:** Physics  
**Dissertation:** Using Machine Learning and the Hough Transform to Search for Gravitational Waves from Young Isolated Neutron Stars  
**Dissertation Chair:** B. F. Whiting

Stephanie Michelle Mintz  
**Major:** Criminology, Law, and Society  
**Dissertation:** Learning Extremism: A Social Learning Theory Approach to Explaining Engagement in Violent Extremism  
**Dissertation Chair:** L. M. Lanza Kaduce

Hamideh Mohammadi  
**Major:** Romance Languages—Spanish  
**Dissertation:** Effect of Age of Exposure in Heritage and Second Language Processing  
**Dissertation Chair:** J. R. Valdes Kroff

Cameron D. Morley  
**Major:** Mechanical Engineering  
**Dissertation:** Collective Cell Behavior in 3D: Mechanics, Migration, and Transport  
**Dissertation Chair:** T. E. Angelini

Aaron James Mullins  
**Major:** Entomology and Nematology  
**Dissertation:** Nitrogen Procurement and Provisioning in the Termites  
**Dissertation Chair:** N. Su

Aravinda Munasinghe  
**Major:** Chemistry  
**Dissertation:** Polymers’ Effects on Structure and Dynamics of upon Conjugation, Including Their Effect towards the Microenvironment of the Protein  
**Dissertation Chair:** C. M. Colina

Matthew Nicholas Musselwhite  
**Major:** Veterinary Medical Sciences  
**Dissertation:** Central and Peripheral Modulation of Reflex Tracheobronchial Cough in the Cat  
**Dissertation Chair:** D. C. Bolser

Barbara A. Myslik  
**Major:** Mass Communication  
**Dissertation:** Agenda Building Potential of Populist Politicians in the European Union and in the United States  
**Dissertation Chair:** S. K. Kiousis

Martin Nnamdi Nwodo  
**Major:** Design, Construction and Planning  
**Dissertation:** Investigation of Exergy-Based Life Cycle Assessment of Buildings  
**Dissertation Chair:** C. J. Anumba

Seth Timothy Nydam  
**Major:** Aerospace Engineering  
**Dissertation:** Design, Testing, and Operations of a Low Resource Optical Precision Timing Instrument for Ground-To-Space Time Synchronization  
**Dissertation Chair:** J. Conklin

Steven V. Nystrom  
**Major:** Chemical Engineering  
**Dissertation:** Catalysis: Elucidating Kinetics and Trends Using DFT and Experiments  
**Dissertation Chair:** D. Hibbitts

Aleksandra Ita Olszewska  
**Major:** Curriculum and Instruction  
**Dissertation:** Counter-Stories from Poland: Identities and Language Identities of Adolescent Refugee-Background Students  
**Dissertation Chair:** M. R. Coady
James M. Orrock  
Major: Plant Pathology  
Dissertation: Evaluation of Tea (Camellia sinensis) as a Novel Crop for Florida  
Dissertation Chair: B. S. Richter  
Dissertation Co-chair: B. Rathinasabapathi

Zachary Ben Osking  
Major: Medical Sciences—Molecular Cell Biology  
Dissertation: ALS-Linked SOD1 Mutants Enhance Neurite Outgrowth and Disrupt the Actin Cytoskeleton  
Dissertation Chair: E. A. Vitriol

Xiaoshu Pan  
Major: Chemistry  
Dissertation: Aptamer Engineering for Enhanced Delivery of Functional Proteins and Biomarker Analysis in Cancer Therapy  
Dissertation Chair: R. A. Butcher

Shubham Pandey  
Major: Materials Science and Engineering  
Dissertation: Evolution of Alloys and Radionuclide Sequestration by First-Principles Calculations  
Dissertation Chair: S. R. Phillpot

Bongsuk Park  
Major: Civil Engineering  
Dissertation: Reclaimed Asphalt Pavement (RAP) Characterization to Maximize RAP Content in Polymer-Modified Asphalt Mixtures  
Dissertation Chair: R. Roque

Jungyoung Park  
Major: Curriculum and Instruction  
Minor: Research and Evaluation Methodology  
Dissertation: Developing a Measure of Preservice Teachers’ Metalinguistic Knowledge for Teaching Reading: Evidence-Centered Assessment Design  
Dissertation Chair: Z. Fang

Upasana Parthasarathy  
Major: Medical Sciences—Immunology and Microbiology  
Dissertation: E3 Ubiquitin Ligase HECTD3 Acts a Novel Tumor Suppressor in Colon Cancer by Regulating Essential Oncogenic Pathways  
Dissertation Chair: D. Avram

Jayshree Shantibhai Patel  
Major: Entomology and Nematology  
Dissertation: Biology of the Hybrid Termites of Coptotermes formosanus and C. gestroi (Blattodea: Rhinotermitidae)  
Dissertation Chair: N. Su

Anirudra Paul  
Major: Chemistry  
Dissertation: Development of New Methods for α-C-H Bond Functionalization of Cyclic Amines  
Dissertation Chair: D. Seidel

Joshua Thomas Paul  
Major: Materials Science and Engineering  
Dissertation: Utilization of High-Throughput Techniques for Materials Discovery and Characterization  
Dissertation Chair: R. Hennig

John M. Peasant Jr.  
Major: Music Education  
Dissertation: The Exploration of Digital Gamification on Middle School Band Students’ Practice Habits  
Dissertation Chair: W. Bauer
Percy A. Peralta  
Major: Interdisciplinary Ecology  
Dissertation Chair: K. A. Kainer  
Dissertation Co-chair: C. M. Tucker

Daniel Pimentel  
Major: Mass Communication  
Dissertation: If I Become the Masses I Will Act: VR Animal Embodiment and Psychic Numbing  
Dissertation Chair: S. Kalyanaraman

Daniella Steiner Kesler Porter  
Major: Special Education  
Dissertation: Investigating an Experienced Early Childhood Teacher's Process of Developing an Emergent Curriculum  
Dissertation Chair: K. M. Kemple

Brianna Belén Posadas  
Major: Human-Centered Computing  
Dissertation: Crowdsourcing Ground Truth Data Collection for Precision Agriculture Using a Citizen Science Mobile Application  
Dissertation Chair: J. E. Gilbert

Aditya Mahadev Prakash  
Major: Industrial and Systems Engineering  
Dissertation: Healthcare Service Operations with Strategic Patients: Modeling and Analysis  
Dissertation Chair: X. Zhong

Julianne Price  
Major: Psychology  
Dissertation: Hair Cortisol Trajectories from Pre-Treatment to Early Abstinence in Alcohol Use Disorder: A Correlate of Cognitive Recovery  
Dissertation Chair: S. J. Nixon

Niels Olduvai Proctor  
Major: Forest Resources and Conservation  
Dissertation: Assessing the Use and Benefits of Self-Directed Retrieval Practice in the Authentic Context of an Undergraduate Course  
Dissertation Chair: M. C. Monroe  
Dissertation Co-chair: P. Antonenko

Sheryl E. Quail  
Major: Forest Resources and Conservation  
Minor: Geography  
Dissertation: REDD, Sustainable Agricultural Intensification, and Land Cover Change Modeling: Analyzing Tradeoffs and Synergies at a REDD Pilot Project in Kilosa District, Tanzania  
Dissertation Chair: G. Barnes  
Dissertation Co-chair: B. A. Child

Carlos J. Quintero  
Major: Soil and Water Sciences  
Dissertation: Geometry Controls on Water and Carbon Fluxes in a Subtropical Karst Wetland Landscape  
Dissertation Chair: M. J. Cohen  
Dissertation Co-chair: T. Z. Osborne

Shashank Ranjan  
Major: Computer Science  
Dissertation: Multispectral Analysis and Visualization Algorithms for Scientific Study of Biological Materials  
Dissertation Chair: C. T. Toler-Franklin
Biswas Rijal  
Major: *Materials Science and Engineering*  
Dissertation: First Principle Study of Defects in Materials Surfaces  
Dissertation Chair: R. Hennig

Michael Kenneth Riley II  
Major: *Plant Molecular and Cellular Biology*  
Dissertation: Development of Lignin Nanomaterials for the Delivery of Nucleic Acids  
Dissertation Chair: W. Vermerris

Raele Donetha Robison  
Major: *Rehabilitation Science*  
Dissertation: Lingual Physiologic Reserve Homeostenosis and Bulbar Function in Individuals with Amyotrophic Lateral Sclerosis  
Dissertation Chair: E. K. Plowman

Kayla B. Rodney  
Major: *English*  
Dissertation: Seeking Knowledge: Education Theory in the Literary Works of African American Writers  
Dissertation Chair: D. W. King

Max H. Russo  
Major: *Pharmaceutical Sciences—Pharmacodynamics*  
Dissertation: Molecular Mechanisms Associated with Adverse Effects of the Environmentally Persistent Organochlorine Pesticide Dieldrin  
Dissertation Chair: B. Liu

Mark Robert Sandfoss  
Major: *Zoology*  
Dissertation: Ecological Disturbance and Responses of Florida Cottonmouth Snakes *Agkistrodon contanti* on Seahorse Key, Florida  
Dissertation Chair: H. B. Lillywhite

Ravneet Kaur Sandhu  
Major: *Horticultural Sciences*  
Dissertation: Relay Cropping as an Alternative Technique in Vegetables and Strawberry Production for Growers in Florida for Maximizing Economic Returns  
Dissertation Chair: N. S. Boyd

Jay Claus Santos  
Major: *Health and Human Performance*  
Dissertation: Antecedents and Consequences of College Athletes’ Time Demands  
Dissertation Chair: M. Sagas

Ayush Shekhar Saxena  
Major: *Zoology*  
Dissertation: Tempo, Mode, and Fitness Effects of Spontaneous Mutation in *Caenorhabditis elegans*  
Dissertation Chair: C. Baer

Tracey B. Schafer  
Major: *Soil and Water Sciences*  
Dissertation: Hurricane Impacts on Water Quality and Dissolved Organic Matter Cycling along an Aquatic Continuum  
Dissertation Chair: T. Z. Osborne  
Dissertation Co-chair: R. K. Reddy

Lesley Ann Schumacher  
Major: *Entomology and Nematology*  
Dissertation: Sod-Based Rotation for *Rotylenchulus reniformis* Management and Effects on Nematode Community Structure in Peanut-Cotton Systems  
Dissertation Chair: Z. Grabau
Erika Rachel Schwarz  
Major: Veterinary Medical Sciences  
Dissertation: Development of an Ovine Model of Zika Virus Infection  
Dissertation Chair: M. T. Long

Sarah Kaitlyn Scott  
Major: Chemistry  
Dissertation: Development of the Enyne Cope Rearrangement for Applications in Complex Molecule Synthesis  
Dissertation Chair: A. J. Grenning

Mathew Sebastian  
Major: Medical Sciences—Molecular Cell Biology  
Dissertation: Pglyrp3, a Novel Critical Regulator of Breast Cancer Development and Metastasis  
Dissertation Chair: D. Tran  
Dissertation Co-chair: D. W. Siemann

Shengchen Shan  
Major: Plant Molecular and Cellular Biology  
Dissertation: Bridging Genetic and Phenotypic Consequences of Polyploidy: Transcriptome, Methylome, and Transgenic Studies of Tragopogon (Asteraceae)  
Dissertation Chair: D. E. Soltis

Tianqi Shan  
Major: Biomedical Engineering  
Dissertation: Photoacoustic Imaging and Its Application in Congenital Brain Diseases  
Dissertation Chair: H. Jiang

Melanie R. Shapiro  
Major: Medical Sciences—Immunology and Microbiology  
Dissertation: Insulin-Like Growth Factors as Biomarkers with Immunological Impacts on the Development of Type 1 Diabetes  
Dissertation Chair: T. M. Brusko  
Dissertation Co-chair: M. A. Atkinson

Ribhu Sharma  
Major: Materials Science and Engineering  
Dissertation: An Investigative Study of Dopant Diffusion in Gallium Oxide and Design Optimization of $\beta$-Ga$_2$O$_3$ Schottky Rectifiers  
Dissertation Chair: M. E. Law

Alex Justin Shaw  
Major: Computer Science  
Dissertation: Automatic Recognition of Children's Touchscreen Stroke Gestures  
Dissertation Chair: L. Anthony

Philip L. Shirk  
Major: Zoology  
Dissertation: Chameleons in a Changing Climate  
Dissertation Chair: C. W. Osenberg

Andrew M. Shirley  
Major: Plant Pathology  
Dissertation: Chemical Control and Population Dynamics of Pseudoperonospora cubensis, the Cause of Cucurbit Downy Mildew in Florida  
Dissertation Chair: G. E. Vallad

Maryada Shrestha  
Major: Forest Resources and Conservation  
Dissertation: Evaluating Approaches to Estimate Tree and Understory Contributions to Carbon Flux in a Pine Savannah in North Central Florida  
Dissertation Chair: J. Vogel
Alex Purman Smith  
Major: Political Science  
Dissertation: The Art of Political Negotiation: How Heresthetic Changes Legislative Inertia on Civil Rights  
Dissertation Chair: L. C. Dodd  
Dissertation Co-chair: B. A. Rosenson

Garrett Richard Smith  
Major: Medical Sciences—Neuroscience  
Dissertation: Hippocampal Subregion Transcriptomic Profiles Reflect Strategy Selection during Cognitive Aging  
Dissertation Chair: T. C. Foster

Johnathan David Smith  
Major: Computer Science  
Dissertation: Analysis of Large Networks with Limited Data  
Dissertation Chair: M. T. Thai

James Gerald Solari  
Major: Counseling and Counselor Education  
Dissertation: Therapy with Disordered Gamers: An Interpretive Phenomenological Analysis of Counselor Experience  
Dissertation Chair: S. C. Echevarria-Doan

Zachary Anthony Sorrentino  
Major: Medical Sciences—Neuroscience  
Dissertation: Truncation of Alpha-Synuclein: Implications for Neurodegenerative Diseases  
Dissertation Chair: B. I. Giasson

Michelle Souza Oliveira  
Major: Plant Pathology  
Dissertation: Colletotrichum gloeosporioides Species Complex Characterization and Management of Colletotrichum Crown Rot of Strawberry  
Dissertation Chair: N. A. Peres Lauretti

Lindsay J. Spiers  
Major: Fisheries and Aquatic Sciences  
Dissertation: The Role of Herbivores in Shaping Coral Reef Macroalgal Communities: Differing Effects of Herbivorous Fish and the Long Spined Sea Urchin Diadema antillarum  
Dissertation Chair: T. K. Frazer

Theodor L. Stansly  
Major: Agronomy  
Dissertation: The Response of Glucosinolates to Biotic and Abiotic Stress on Oilseed Brassica carinata in the Southeastern United States  
Dissertation Chair: D. L. Wright  
Dissertation Co-chair: I. M. Small

Max David Stein  
Major: Mechanical Engineering  
Dissertation: Displacement and Static Force Analysis of the General 3-RRR Spherical Parallel Mechanism  
Dissertation Chair: C. D. Crane III

Thanachart Subgranon  
Major: Civil Engineering  
Dissertation: Fine Lightweight Aggregate-Based Internal Curing-Enhanced Crack Mitigation in Concrete  
Dissertation Chair: M. Tia

Meng Tang  
Major: Computer Engineering  
Dissertation: Performance Optimization for Sparse Matrix Factorization Algorithms on Hybrid Multicore Architectures  
Dissertation Chair: S. Ranka
Justin Shane Tauscher  
Major: Counseling and Counselor Education  
Dissertation: Preferences for Technology Based and In-Person Substance Use Disorder Treatment: A Discrete Choice Experiment  
Dissertation Chair: M. K. DePue

Georgina Nicole Thompson  
Major: Microbiology and Cell Science  
Dissertation: Intercontinental Patterns of Diazotroph Community Assembly among the Ancient Forest of the Northern Hemisphere  
Dissertation Chair: E. Triplett

Trevor B. Tilly  
Major: Environmental Engineering Sciences  
Dissertation: Improving the Toxicity Assessment of Nanoparticles Using Bioinspired Condensational Particle Growth Mechanism  
Dissertation Chair: C. Wu

Aleksandra Tomic  
Major: Linguistics  
Dissertation: Codeswitching as a Beneficial Cue in the Processing of Subsequent Speech: Evidence from Eyetracking Studies on Emotionality and Prediction  
Dissertation Chair: J. R. Valdes Kroff

Mohsen Tootoonchi  
Major: Agronomy  
Dissertation: Ecological Impacts of Climate Change and Saltwater Intrusion on Aquatic and Wetland Plants  
Dissertation Chair: L. A. Gettys  
Dissertation Co-chair: J. A. Ferrell

Amanda J. Townsend  
Major: Astronomy  
Dissertation: Big Science with Small Telescopes: Novel Optical Instrumentation and Compact Object Observations  
Dissertation Chair: S. S. Eikenberry

Trang Theresa Tran  
Major: Chemistry  
Dissertation: Investigating Polymorphism-Induced Conformational Changes in HIV-1 Protease by Pulsed Electron Paramagnetic Resonance and Molecular Dynamics  
Dissertation Chair: G. E. Fanucci

Prabhanshu Tripathi  
Major: Chemistry  
Dissertation: Structural Basis of the Self-Resistance Mechanisms in the Colibactin Biosynthetic Pathway  
Dissertation Chair: S. D. Bruner

Kshitiz Upadhyay  
Major: Mechanical Engineering  
Minor: Materials Science and Engineering  
Dissertation Chair: G. Subhash

Laura B. Van Voorhis  
Major: Anthropology  
Dissertation: Prehistoric Denizens of Fort Center, Florida: Osteoarchaeology and Stable Isotope Geochemistry  
Dissertation Chair: J. Krigbaum

Claudia A. Vargas  
Major: Curriculum and Instruction  
Minor: Geology  
Dissertation: STEM Identity Development in Minoritized Youth  
Dissertation Chair: P. Antonenko  
Dissertation Co-chair: B. J. MacFadden
Cecilia Josefina Vásquez-Pazmiño  
Major: Anthropology  
Dissertation: The History of the Space in Colta Lake Valley (Chimborazo, Ecuador)  
Dissertation Chair: A. Oyuela-Caycedo

Kyle Jude Michael Ventura  
Major: Materials Science and Engineering  
Dissertation: Thermodynamic Simulation and Experimental Evaluation of Novel Ni-Based Superalloys  
Dissertation Chair: G. E. Fuchs

Kristen Amelia Walczesky  
Major: Anthropology  
Dissertation: Totem Poles in the East: An Examination of the Misrepresentation, Silencing, and Forced-Forgetting of Native Americans in the United States  
Dissertation Chair: S. D. deFrance

Glen Harris Walters  
Major: Electrical and Computer Engineering  
Dissertation: Scaling and Design of Thin Film Ferroelectric Hafnium Oxide for Memory and Logic Devices  
Dissertation Chair: T. Nishida

Wei-en Wang  
Major: Health and Human Performance  
Dissertation: Neural Dynamics of Pain and Motor Function in Chronic Musculoskeletal Pain  
Dissertation Chair: S. A. Coombes

Xiaojie Wang  
Major: Industrial and Systems Engineering  
Dissertation: Distributionally Robust Stochastic Optimization in Power System and Healthcare System  
Dissertation Chair: Y. Guan  
Dissertation Co-chair: X. Zhong

Kelly A. Wiechman  
Major: Romance Languages—French and Francophone Studies  
Minor: Linguistics  
Dissertation: Fugitives and Exiles: Francophone Migration in South Carolina 1562-1810  
Dissertation Chair: H. Blondeau

Ryan Michael Wilhelmi  
Major: Geology  
Dissertation: Evolution and Exposure of Precambrian Basement along the Western Margin of the Wyoming Province  
Dissertation Chair: D. A. Foster

MacKenzie D. Williams  
Major: Medical Sciences—Immunology and Microbiology  
Dissertation: Genetic Associations Driving Islet Autoantibody Persistence, Residual Beta Cell Function, and Altered Innate Responses in Type 1 Diabetes  
Dissertation Chair: M. A. Atkinson

Rua Mae Williams  
Major: Human-Centered Computing  
Dissertation: Metacogs: VR Toolkit for Executive Function Assessment and Metacognitive Strategy Development via Agent-Based Modeling  
Dissertation Chair: J. E. Gilbert

Brandon W. Witbeck  
Major: Mechanical Engineering  
Dissertation: Molecular Dynamics Simulations of the Impact of Defects on Ni/Al Nanolaminate Combustion  
Dissertation Chair: D. Spearot
Tianyuan Xiao  
Major: Chemistry  
Dissertation: Synthesis, Characterization and Properties of Nanoparticles and Their Assemblies under High-Pressure and Asymmetric Field  
Dissertation Chair: Y. C. Cao

Yao Xiao  
Major: Biomedical Engineering  
Dissertation: Multimodal CT Image Quality Enhancement and Radiation Optimization  
Dissertation Chair: R. Fang

Zhengtao Xu  
Major: Materials Science and Engineering  
Dissertation Chair: J. Xue

Fang Yao  
Major: Design, Construction and Planning  
Dissertation: Developing a Data-Driven System for Tracking and Visualizing Urban Geo-Topics: From Retrospective to Real-Time  
Dissertation Chair: P. D. Zwick  
Dissertation Co-chair: Y. Wang

Leping You  
Major: Mass Communication  
Dissertation: The Antecedents and Outcomes of Corporate Political Advocacy: A Scale Development  
Dissertation Chair: L. L. Hon

Bin Yu  
Major: Epidemiology  
Dissertation: Social Capital and Suicidal Behaviors among Rural-To-Urban Migrants in China  
Dissertation Chair: X. Chen

Yanan Yu  
Major: Industrial and Systems Engineering  
Dissertation: Convex Hull Pricing and Strong Formulations for Unit Commitment Problem  
Dissertation Chair: Y. Guan

Ruyue Yuan  
Major: Mathematics  
Dissertation: Portfolio Allocation Using Hidden Markov Chain and Dynamic Programming  
Dissertation Chair: M. Rao

Rola S. Zeidan  
Major: Veterinary Medical Sciences  
Dissertation: Identifying Mitochondrial-Cell Signaling Networks by Functional Profiling  
Dissertation Chair: C. D. Vulpe

Peilan Zhang  
Major: Pharmaceutical Sciences—Medicinal Chemistry  
Dissertation: Characterization of Functional Proteins for Drug Research  
Dissertation Chair: Y. Ding

Shuaifang Zhang  
Major: Mechanical Engineering  
Dissertation: A Phase-Field Model Describing Fracture in Anisotropic Brittle Materials  
Dissertation Chair: M. Tonks

Yinan Zhao  
Major: Astronomy  
Dissertation: Development of Algorithms for Detecting Weak Signals in Radial Velocity Data and Quasar Spectra  
Dissertation Chair: J. Ge
Haocheng Zhou  
Major: Mechanical Engineering  
Dissertation: A MEMS-Based Five-Hole Probe with Optical Pressure Transducers  
Dissertation Chair: M. Sheplak

Zhengbo Zhu  
Major: Chemistry  
Dissertation: Redox-Neutral C-H Functionalization of Amines and Conjugated-Base-Stabilized Carboxylic Acid Catalysis  
Dissertation Chair: D. Seidel

Rebecca Ann Zimler  
Major: Entomology and Nematology  
Dissertation: Emergence and Transmission Potential of Zika Virus by Invasive Mosquitoes from Florida and Puerto Rico  
Dissertation Chair: B. W. Alto

**DOCTOR OF EDUCATION**

Shanda Clarke  
Major: Curriculum and Instruction  
Dissertation: Closing the Opportunity Gap: Insights into Project-Based Learning with Low-Achieving First Graders  
Dissertation Chair: E. Bondy

Matthew E. Cribbs  
Major: Curriculum and Instruction  
Dissertation: Using Lesson Study to Implement Inquiry-Based Science Instruction: Insights Gained by Teachers and an Academic Coach  
Dissertation Chair: A. Murata  
Dissertation Co-chair: N. L. Dana

Kelli Jo Edgell  
Major: Educational Leadership  
Dissertation: Proficiency Rate Differences between the Florida Comprehensive Assessment Test and the Florida Standards Assessment in Title I and Non-Title I Schools  
Dissertation Chair: C. H. Redding

Angelic M. Eggert  
Major: Curriculum and Instruction  
Dissertation: Exploring Teacher Use of iPads in a One-to-One Elementary Environment  
Dissertation Chair: S. Kumar

Stephanie E. Fitzwater  
Major: Curriculum and Instruction  
Dissertation: Determining Factors that Prompt Mobile Device Management Adoption in K-12 Schools and School Districts  
Dissertation Chair: K. M. Dawson

William A. Hamilton  
Major: Higher Education Administration  
Dissertation: Exploring the Limits of the Grit Narrative: A Quantitative Case Study of Nontraditional College Student Persistence  
Dissertation Chair: D. A. Kramer

Brittany Matthews-Mijatovic  
Major: Higher Education Administration  
Dissertation: A Phenomenological Study on the Enrollment Decisions of High-Achieving, Low-Income Students Enrolled in a Community College  
Dissertation Chair: J. D. Porter-Roberts  
Dissertation Co-chair: C. Haynes
Deborah J. McDonald
Major: Educational Leadership
Dissertation: Analysis of Collegiate Academic Mentorship Program on Persistence, Leadership Development and Academic Achievement of Underrepresented Populations at West Point
Dissertation Chair: L. B. Eldridge
Dissertation Co-chair: C. H. Redding

Tara Lynne Orlowski
Major: Special Education
Dissertation: Directors' Use of Strategies to Support Child Care Personnel's Transfer of Learning from Professional Development Activities into the Workplace
Dissertation Chair: K. M. Kemple

Brittany Rae Rincon
Major: Curriculum and Instruction
Dissertation Chair: V. A. Vescio

Matthew Roger Roy
Major: Curriculum and Instruction
Dissertation: Facilitating Writing Professional Development: A Practitioner Research Study
Dissertation Chair: A. J. Adams

Stephanie M. Russo-Bischoff
Major: Curriculum and Instruction
Dissertation: Instructional Coaching of Differentiated Instruction in Language Arts Block: Teachers' Perceptions of the Impact on Their Practice
Dissertation Chair: V. A. Vescio

Rachel Holly Scott
Major: Curriculum and Instruction
Dissertation: Path Analysis of Technology Integration Factors in Magnet Schools
Dissertation Chair: A. D. Ritzhaupt

Amy Morris Wagner
Major: Curriculum and Instruction
Dissertation: Teacher Driven Professional Development: Exploring Motivation to Engage in Practitioner Inquiry and How to Support Teachers through the Process
Dissertation Chair: A. J. Adams
Dissertation Co-chair: J. L. McLeskey

Douglas Earl Wendel
Major: Higher Education Administration
Dissertation: Pathways to Success: Effects of Developmental Mathematics Pathway Choice on Subsequent Course Success
Dissertation Chair: D. A. Kramer

Willie Mae India White
Major: Educational Leadership
Dissertation: Understanding the Persistence of Take Stock in Children Scholarship Recipients
Dissertation Chair: C. H. Redding
### DOCTOR OF AUDIOLOGY

- Jamie Bianco
- Brandy Michele Brent
- Alicia Ann D’Atri Chavez
- Patrick E. Cloward
- Kayla Ann Dub
- Carol Anne Ford
- Christina Yoon Young Kim
- Brittany Marie Larson
- Lambert Lee
- Guoyi Liu
- Joycelin V. Lopez
- Trevor W. Menchenton
- Holly Ann Mulhern
- Mariruth L. Overton
- Elizabeth D. Purdy
- Catherine Sabourin
- Brieanne Louise Salzman
- Lara Marie Shur
- Helen Teresa Simovic
- Hannah E. Weinman

### DOCTOR OF BUSINESS ADMINISTRATION

- Raymond Bruce Johnson
- Samuel Lopez Jr.

### DOCTOR OF PLANT MEDICINE

- Alicia J. Kelley

### THE COLLEGE OF NURSING

**Dean Anna M. McDaniel**

### DOCTOR OF NURSING PRACTICE

- Amber Lynn Bart
- Lauren Monica Battaglia
- Sara Rose Belmore
- Bryanna Noemi Beyerlein
- Raquel Nicole Bicknell
- Shelby Paige Brads
- Catherine Marie Brugnolotti
- Kimberly Beers Castillo
- Grace Shim Choe
- Wendy Lucente Cleary
- Caroline Lindy Collins
- Sophie Katherine Cote
- Brent Douglas Cox
- Olivia Janelle de Jong
- Cindy S. Derequito
- Chioma E. Echeazu
- Jamie Lynn Englant
- Zuzanna Fedak
- Shaina Briann Flowers
- Lauren Hope Hughes
- Aila Hurem
- Caroline Boudet Johnson
- Alexa Joseph Joy
- Amy M. Kammerer-Brannon
- Katie Renae Kauffman
- Elizabeth Ansley Liebaf
- Gabrielle LoFranco
- Megan H. Lunden
- Eralene Cate Aluague Manangan
- Talia Rose Maschino
- Claire Marie Masforroll
- Leah McCain
- Kelly F. Moss
- Mildred K. Myrtle
- Amelia Nichols Alava
- Emily Legrand Oswald
- Kathryn A. Pinkston
- Tonya Kay Powell
- Jean Alexis Rafacz
- Chandra M. Ramos
- Kathleen Rose Renner
- Kristin Marie Rerra
- Sidney Marie Resmondo
- Carly Michelle Robinson
- Randall James Schrenk
- Olivia B. Sims
- Angela Kathleen Stalvey
- Sarah Spivey Stephenson
- Andrea M. Suplick-Zaffuto
- Rachel A. Tax
- Rae McBride Teaf
- Patricia Marie Trinka-Stone
- Kristen L. Troxler
- Rachel Lauren Tucker
- Jennifer Lynn White
- Ryan Andrew Woodmansee

### THE COLLEGE OF PUBLIC HEALTH AND HEALTH PROFESSIONS

**Dean Michael G. Perri**

### DOCTOR OF PHYSICAL THERAPY

- Melissa S. Balbirer
- Hannah Benoit Belles
- Alisa M. Bhagat
- Brandi Marie Black
- Luke Harrison Brown
- Christopher Michael Bruscato
- Regina Cambrose Rios
- Aaron Andrew Capera
- Ioana Daniela Cardei
- Nicole S. Casagrand
- Rebecca E. Chamberlain
- Nicole Diane Chase
- Tommy Leon Coffey Jr.
- Andrew Francis Collins
- Korey D. Cooke
- Sarah Burton Cooke
- Nicole Cox
- Anna C. Davis
- Courtney Taylor Deason
- Erin Lee Dickson
- Abby E. Dillard
- Seth M. Donelson
- Soha Elsayed
- Eley B. Fangonilo
- Renée Lynn Fontana
- Alexander deHeptner Franklin
- Mariana Rita Franz
- Allison Elizabeth Gaia
- Adriana Lynn Garcia
- Flora Virginia Eleace Gatewood
- Mutsa Mary Godza
- Ryan E. Guettler
- Katherine Broomfield Ihlenfeldt
- Katherine M. Ingerto
- Alison Lynn Irwin
- Jacob R. Irwin
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 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 graduate’s diploma mailing address in June 2020.
Caps and Gowns, An Explanation

The academic regalia worn by graduating students and faculty at today’s commencement ceremonies 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 blue violet; Audiology degrees have colonial blue edging; Business Administration and Accounting are 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 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.
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