Commencement
SOCIAL MEDIA
Whether you are a #UFGrad or you are here to celebrate a #UFGrad, we invite you to join the commencement conversation on social media. Select tweets will be featured on the video boards prior to and after the ceremony.

PHOTOGRAPHS
The university requests that all commencement guests remain in their seats while taking photographs; no guests are permitted in the graduates’ seating area. Photographs of the graduates as they cross the stage are available through companies that have contracts with the university. Color photographs are available from University Photography, PO Box 2454, Tuscaloosa, AL 35403-2454, 205-391-9500.

COMMENCEMENT PROGRAM
Additional copies of this commencement program are available while supplies last at the UF Bookstore for a $1 donation to the Machen Florida Opportunity Scholars program, which helps fund a UF education for low-income students who are first in their family to attend college. The commencement program can be ordered online with an additional charge for shipping and handling.

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
FALL 2018
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 2018.

Today’s ceremony celebrates 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 advisor, mentors and the family and friends who have supported you in your journey to reach this day.

Today is a day for celebration, and also for reflection on 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 benefited 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 credits divinity school with teaching him communication and community-building skills, and to balance his innately analytic perspective with a deep appreciation for human relationships. He also holds a Bachelor of Science in Engineering from Duke University.

Dr. Fuchs is married to Linda Moskeland Fuchs, an art historian whose scholarship centers on the sculpture of sarcophagi created in the first centuries of Christian art-making. Mrs. Fuchs has two master’s degrees in art history, from the University of Chicago and Cornell, and a third in Biblical studies, from Trinity Evangelical Divinity School. 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
- Pam Stewart  
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- Andy Tuck  
  Vice Chair

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- Pam Stewart  
  Commissioner of Education  
- Ned C. Lautenbach  
  Chair  
- Sydney Kitson  
  Vice Chair

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- Morteza “Mori” Hosseini  
  Chair  
- Thomas G. Kuntz  
  Vice Chair

## President and Vice Presidents of the University
- W. Kent Fuchs, Ph.D.  
  President  
- Joseph Glover, Ph.D.  
  Provost and Senior Vice President - Academic Affairs  
- David R. Nelson, M.D.  
  Interim Senior Vice President - Health Affairs  
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- Charles E. Lane, D.P.A.  
  Senior Vice President and Chief Operating Officer - Administration  
- 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  
- Michael V. McKee, B.S.  
  Vice President and Chief Financial Officer - Finance  
- Mark E. Kaplan, J.D.  
  Vice President - Government and Community Relations  
- Jodi Gentry, M.A.  
  Vice President - Human Resource Services  
- Amy M. Hass, J.D.  
  Vice President - General Counsel  
- David Parrott, Ed.D.  
  Vice President - Student Affairs  
- Thomas J. Mitchell, M.S.  
  Vice President - Advancement  
- David Norton, Ph.D.  
  Vice President - Research  
- Curtis Reynolds, M.B.A., M.S.E.E.  
  Vice President - Business Affairs  
- Nancy Paton, M.S.  
  Vice President for Strategic Communications and Marketing  
- Antonio Farias, M.F.A.  
  Chief Diversity Officer

## Deans of the University
- R. Elaine Turner, Ph.D.  
  College of Agricultural and Life Sciences  
- Onye 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  
- Jacqueline Burns, Ph.D.  
  IFAS Research  
- Leonardo Villalón, Ph.D.  
  International Center  
- Diane H. McFarlin, B.S.  
  College of Journalism and Communications  
- Laura A. Rosenbury, 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.  
  College of Pharmacy  
- Michael G. Perri, Ph.D.  
  College of Public Health and Health Professions  
- James W. Lloyd, D.V.M., Ph.D.  
  College of Veterinary Medicine  
- Judith C. Russell, M.S.  
  University Libraries  
- Heather White, Ph.D.  
  Dean of Students
## COMMENCEMENT AGENDA – FRIDAY, DECEMBER 14, 2:00 p.m.

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Commencement Speaker

Thomasenia Lott Adams
Professor and Associate Dean for Research and Faculty Development, College of Education

Thomasenia Lott Adams is a professor of mathematics education and the associate dean for research and faculty development in the UF College of Education. She is energized by providing support and services to novice and experienced researchers who are pursuing external funding for their scholarships. She recognizes that the world of external funding is becoming increasingly competitive, so she expertly leads her team to help faculty build engaging, productive, and multidisciplinary efforts that further the college’s mission of improving the lives of people across the spectrum of early childhood through adulthood.

To demonstrate this model, Dr. Adams provided leadership for an interdisciplinary project concerning mathematics, science, and school counseling for which she and two colleagues were successful in securing funding from the National Science Foundation to study girls’ positionality in mathematics and science as they transition to middle school.

As Dr. Adams embarks on her 25th year on UF’s faculty, not only does she have external funding to her credit, but she has also written 10 books and more than 50 journal articles related to teaching and learning mathematics. One of her recent books, *Making Sense of Teaching Mathematics, Grades 3-5*, received the 2018 Teacher’s Choice Award. In April 2018, she culminated her role as program chair of the annual conference of the National Council of Teachers of Mathematics, and she recently accepted the invitation to become an associate editor of the National Council of Teachers of Mathematics’ journal, *Mathematics Teacher: Learning and Teaching, PreK-12*. She is highly regarded by her peers in mathematics education, and she uses her influence to mentor future scholars, as evidenced by her cadre of doctoral graduates and collaborations that she has with mathematics educators across the nation.

As the mathematics program officer for the UF Lastinger Center for Learning, Dr. Adams contributes to the success of *Algebra Nation*, a platform designed to support students to pass the end-of-course exam for Algebra I, which is a requirement for high school graduation in the state of Florida. Through this and other collaborations, she continues to build a record of engagement and scholarship in her field.
Honorary Degree – Doctor of Music

Stephen A. Stills is a singer, songwriter, philanthropist and Rock and Roll Hall of Famer whose legendary six-decade career traces its origins to Gainesville.

One of rock music's most enduring figures, Stills has had multiple solo works and been a part of four hugely influential groups – Manassas, Buffalo Springfield, Crosby, Stills & Nash, and Crosby, Stills, Nash & Young. He has been inducted into the Rock and Roll Hall of Fame twice for Buffalo Springfield and Crosby, Stills & Nash, is a member of the Songwriter's Hall of Fame, and is a BMI Music Icon.

As renowned for his instrumental virtuosity as for writing era-defining anthems including "For What It's Worth" and "Love The One You're With," Stills is ranked No. 28 on Rolling Stone’s list of the 100 Greatest Guitarists of All Time, calling his acoustic picking on "Suite: Judy Blue Eyes" "a paragon of unplugged beauty." Three of his albums are among Rolling Stone's 500 Greatest Albums of All Time.

Stills lived in Gainesville during the 1950s when he attended J.J. Finley Elementary School and again in the early 1960s, when he attended Gainesville High School. The 1963 GHS yearbook shows that Stills was in the marching band, the chorus and played guitar in the group called The Accidental Trio. He remembers selling soft drinks in UF’s stadium during football games.

Stills rose to national and international fame with Buffalo Springfield, which formed in Los Angeles in 1966. He continues to tour and record. Stills finished his most recent tour with Judy Collins, following the release of their 2017 album Stills & Collins, in November.

Alongside music, Stills lends his support to a number of causes including this year’s 5th Light Up The Blues Concert, held at the Dolby Theatre in Los Angeles. Hosted by Stills and his wife, Kristen, the concerts have been emceed by Jack Black, featured a variety of artists and raised over $1.8 million for Autism Speaks’ research and advocacy efforts.
Alejandra Abril Guevara  
Major: Plant Molecular and Cellular Biology  
Dissertation: Genetic Improvement of Cell Wall Composition and Flooding Tolerance of Sorghum bicolor  
Dissertation Chair: W. Vermerris

Setyono Hari Adi  
Major: Soil and Water Sciences  
Dissertation: Soil-Landscape Modeling for Agroecological Policy Development in the Developing Regions  
Dissertation Chair: S. Grunwald

Nikunj Kumar Agrawal  
Major: Biomedical Engineering  
Dissertation: Biomaterial Platforms Engineered for Controlled Release of Small Molecule Therapeutics in Spinal Cord Injury Applications  
Dissertation Chair: C. E. Schmidt

Ahmed Ahmouda  
Major: Forest Resources and Conservation  
Dissertation: Analyzing the Effect of Political and Natural Crises on Contribution Patterns to Crowd-Sourced Data Platforms and Social Media Activities  
Dissertation Chair: H. H. Hochmair

Sahba Akhavan Niaki  
Major: Statistics  
Dissertation: Personalization in Education and Text Data  
Dissertation Chair: G. Michailidis

Umar Mohammadali Alabasi  
Major: Rehabilitation Science  
Dissertation Chair: K. H. Vandenborne

Abdullah A. Alalwan  
Major: Pharmaceutical Sciences—Pharmaceutical Outcomes and Policy  
Dissertation: Assessment of the Use of Warfarin in Bariatric Surgery Patients  
Dissertation Chair: A. G. Hartzema

Babak Alipour  
Major: Computer Engineering  
Dissertation: Integrated Network Traffic-Mobility Analysis and Modeling Using Big Data  
Dissertation Chair: A. A. Helmy

Latoya Lynn Allen  
Major: Medical Sciences—Neuroscience  
Dissertation: Neurochemical and Neuroanatomical Plasticity in Spinal Respiratory Motor Neurons following Cervical Spinal Cord Injury and Intermittent Hypoxia  
Dissertation Chair: G. S. Mitchell

Yaser A. Alsahafi  
Major: Public Health  
Dissertation: Understanding Disease-Associated Oral Microbiota in Human: Genetic and Phylogenomic Approach  
Dissertation Chair: A. S. Kane  
Dissertation Co-chair: M. Salemi
Punam Sita Dinesh Amratia  
Major: Forest Resources and Conservation  
Dissertation: The Use of Bayesian Statistics for Fine-Scale Mapping of Malaria Risk in Ghana  
Dissertation Chair: D. Ribeiro Do Valle

Arash Andalib  
Major: Electrical and Computer Engineering  
Dissertation Chair: J. C. Principe

Jeremy J. Anderson  
Major: Electrical and Computer Engineering  
Dissertation: A Long-Term Average Cepstral Enhancement Technique to Improve Single Microphone Automatic Speech Recognition  
Dissertation Chair: J. G. Harris

Dorukhan Ardag  
Major: Coastal and Oceanographic Engineering  
Dissertation: Improvements to Spectral Wave Models for Coupled Applications  
Dissertation Chair: D. Resio  
Dissertation Co-chair: A. A. Sheremet

Nur Asbani  
Major: Entomology and Nematology  
Dissertation: The Evaluation of Sugarcane Rust Mite as Potential Pest of Sugarcane  
Dissertation Chair: G. S. Nuessly

Lesley-Gail Megan Atkinson  
Major: Anthropology  
Dissertation: Burëns, Cooking Pots and Water Jars: a Comparative Analysis of Jamaican Prehistory  
Dissertation Chair: W. F. Keegan

Alisheikh Adem Atta  
Major: Soil and Water Sciences  
Minor: Horticultural Sciences  
Dissertation: Citrus Nutrient Management on Huanglongbing (HLB, or Citrus Greening) Affected Citrus Groves on Florida Sandy Soils  
Dissertation Chair: K. T. Morgan

Rouaa M. Atyah  
Major: Design, Construction and Planning  
Dissertation: The Effect of the Physical Environment Design on Teachers’ Comfort in Prototype Public Schools in Saudi Arabia  
Dissertation Chair: N. Park

Hassan Azad  
Major: Design, Construction and Planning  
Dissertation: Computer Modeling of Sound Diffusion and Scattering Coefficients and Their Influence on the Diffusivity and Acoustic Quality of Architectural Spaces  
Dissertation Chair: G. W. Siebein

Samuel Adeyinka Babatunde  
Major: Civil Engineering  
Dissertation: Economic Feasibility Study of Prime Locations for Siting Offshore Wind Turbines  
Dissertation Chair: F. T. Najafi

Monami Banerjee  
Major: Computer Science  
Dissertation: Statistical Analysis of Manifold-Valued Data: Efficient Algorithms Exploiting Robustness, Sparsity  
Dissertation Chair: B. C. Vemuri
Christopher Robert Barbey  
Major: Plant Molecular and Cellular Biology  
Dissertation: Gene Discovery for Flavor and Disease Resistance in Cultivated Strawberry  
Dissertation Chair: K. M. Folta  
Dissertation Co-chair: V. M. Whitaker

Alison Marie Barnard  
Major: Rehabilitation Science  
Dissertation: Lower Extremity and Respiratory Muscle Magnetic Resonance Biomarkers in Duchenne Muscular Dystrophy: Relationships to Clinical Function and Effects of Genetic Modifiers  
Dissertation Chair: K. H. Vandenborne  
Dissertation Co-chair: G. A. Walter

Matthew Ramon Bell  
Major: Chemistry  
Dissertation: Infrared Ion Spectroscopy as a Tool for Drug and Small Molecule Analysis  
Dissertation Chair: N. C. Polfer

Leo Moreno Betthauser  
Major: Mathematics  
Dissertation: Topological Reconstruction of Grayscale Digital Images  
Dissertation Chair: P. Bubenik

Luiz Bolfer  
Major: Veterinary Medical Sciences  
Dissertation: The Role of Pyruvate Dehydrogenase Kinase 4 (PDK4) Gene Mutation in the Impairment of Metabolic Flexibility and Development of Dilated Cardiomyopathy in Doberman Pinchers  
Dissertation Chair: A. H. Estrada  
Dissertation Co-chair: C. A. Pacak

David Clay Brice  
Major: Medical Sciences—Immunology and Microbiology  
Dissertation: Innate Antiviral Defenses of Oral Epithelial Cells  
Dissertation Chair: G. Diamond

Terri Michele Brinegar  
Major: Music  
Dissertation: The Recorded Sermons of Reverend Andrew (A. W.) Nix: Black Voices and the Creation of Modernized Tradition  
Dissertation Chair: L. N. Crook

Benjamin Ryan Burgen  
Major: Anthropology  
Dissertation: Old Dreams, New Money, and Unfinished Houses: Economic Life in the Senegal River Valley Today  
Dissertation Chair: A. Kane

Sarah E. Burke  
Major: Medical Sciences—Neuroscience  
Dissertation: Functional and Structural Mechanisms of Cognitive Fatigability as Targets for Diagnosis and Treatment  
Dissertation Chair: M. Ding  
Dissertation Co-chair: C. E. Price

Larry E. Burrell II  
Major: Psychology—Clinical and Health Psychology  
Dissertation: The Association of Adolescent Perceived Peer Condom Use Norms and Sexual Health among Adult Men  
Dissertation Chair: N. Ennis  
Dissertation Co-chair: M. E. Robinson

Zachary Ronald Dylan Thomas Bush  
Major: Physics  
Dissertation: Coherent Detection of Ultra-Weak Electromagnetic Fields Using Optical Heterodyne Interferometry  
Dissertation Chair: G. Mueller
Earlesha Tanille Butler  
Major: Mass Communication  
Dissertation Chair: B. E. Tripp

Huzeyfe Çakmakci  
Major: Counseling and Counselor Education  
Dissertation: Bullying Victimization as Mediator of the Relationship between Teachers’ Unfair Treatment, Parents’ Support and Sense of Belonging at School Using Structural Equation Modeling  
Dissertation Chair: S. L. Smith

Marlon Edgardo Carranza Zelaya  
Major: Anthropology  
Dissertation: Homicide, Culture, and the Post-Coup Situation in Northwestern Honduras  
Dissertation Chair: R. B. Kernaghan

Farah María del Rocío Carrasco Rueda  
Major: Interdisciplinary Ecology  
Dissertation: Land Use Change and Biodiversity: Understanding Patterns, Driving Mechanisms and Impacts of Mitigation  
Dissertation Chair: B. A. Loiselle

Choeeta Chakrabarti  
Major: Anthropology  
Dissertation: Trump, the Alt-Right and Modern Populism in America  
Dissertation Chair: C. McCarty

Nalanda Chakraborty  
Major: Communication Sciences and Disorders  
Dissertation: Factors Affecting Speech Production and Intelligibility in Individuals with Parkinson’s Disease  
Dissertation Chair: K. J. Logan

Manu Chandran  
Major: Electrical and Computer Engineering  
Dissertation: Application of Machine Learning Techniques in Point Cloud Generation and Point Cloud Object Classification  
Dissertation Chair: D. Wu

Chih-Chiang Michael Chang  
Major: Mechanical Engineering  
Dissertation: Robotic Soft Matter 3D Printing System for Patient-Specific Neurosurgical Phantoms  
Dissertation Chair: S. A. Banks

Jaime Vicente Chavez Leon  
Major: Agricultural and Biological Engineering  
Dissertation: From Firewood to Electricity: Analysis of Energy Transitions in Developing Countries with the Household Energy Resource Model  
Dissertation Chair: G. A. Kiker  
Dissertation Co-chair: E. McLamore

Gaoli Chen  
Major: Physics  
Dissertation: Aspects of Discrete Flavor Symmetries and String Bits  
Dissertation Chair: P. Ramond  
Dissertation Co-chair: C. B. Thorn III

Hsi-Yuan Chen  
Major: Mechanical Engineering  
Dissertation Chair: W. E. Dixon
Kangfu Chen  
**Major:** Mechanical Engineering  
**Dissertation:** Flow and Interaction Patterns between Tumor Cells and Microfabricated Structures  
**Dissertation Chair:** Z. H. Fan

Andrew D. Chilton  
**Major:** Physics  
**Dissertation:** Technology Development for the LISA Mission  
**Dissertation Chair:** G. Mueller

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

Erica Meta Christensen  
**Major:** Wildlife Ecology and Conservation  
**Dissertation:** Long-Term Dynamics of a Desert Rodent Community: Change Shaped by Climate and Competition  
**Dissertation Chair:** S. K. Ernest

Joseph Michael Collins  
**Major:** Plant Molecular and Cellular Biology  
**Dissertation:** Analysis of the Topless Corepressor: Implications Regarding Complex Formation and Novel Interactions Occurring at the WD40-Repeats  
**Dissertation Chair:** W. B. Gurley  
**Dissertation Co-chair:** S. Chen

Ashley Marie Compaan  
**Major:** Materials Science and Engineering  
**Dissertation:** Innovative Material Solutions to Enable 3D Printing of Soft Biomedical Constructs and Engineering Polymers  
**Dissertation Chair:** Y. Huang

Leandro Gabriel Cordova  
**Major:** Plant Pathology  
**Dissertation:** Validation and Optimization of a Decision Support System to Manage Fruit Rot Diseases of Strawberry in the Southeastern United States  
**Dissertation Chair:** N. A. Peres Lauretti

Paul E. Crittenden  
**Major:** Mechanical Engineering  
**Dissertation:** Numerical and Theoretical Instability Analysis of Material Interfaces in Compressible, Radial Flow  
**Dissertation Chair:** S. Balachandar

Maritsa Cruz Munoz  
**Major:** Microbiology and Cell Science  
**Dissertation:** Lifestyle and Culturability of the Candidatus Liberibacter Pathogens Using Liberibacter crescens as a Model  
**Dissertation Chair:** E. Triplett

Katrina Kayla Cuddy  
**Major:** Botany  
**Dissertation:** Previously Unknown, Now Separated from the Family: Why a Protein Closely Related to Novel Actin Depolymerizing Factor Regulators Could Be Sent to the ER  
**Dissertation Chair:** D. G. Oppenheimer

Shuang Cui  
**Major:** Nuclear Engineering Sciences  
**Dissertation:** Collimated X-Ray Non-Destructive Inspection System for Concrete Components  
**Dissertation Chair:** J. E. Baciak

Elizabeth Rose Currin  
**Major:** Curriculum and Instruction  
**Dissertation:** Storied Stance: An Oral History of Long-Term Teacher Researchers in the Age of Accountability  
**Dissertation Chair:** N. L. Dana
Emily C. Dabe  
**Major:** Medical Sciences—Neuroscience  
**Dissertation:** The Epigenomic Basis of Neuronal Identity  
**Dissertation Chair:** L. L. Moroz

Yuqiong Dai  
**Major:** Chemistry  
**Dissertation:** Design, Synthesis, and Characterization of Stimuli-Responsive Polymers of Various Morphologies  
**Dissertation Chair:** B. S. Sumerlin

Swathi Dantuluri  
**Major:** Microbiology and Cell Science  
**Dissertation:** AAA ATPase Cdc48a and Its Association with Ubiquitin-Like SAMP1 and DNA Repair in Archaea  
**Dissertation Chair:** J. A. Maupin

Ghadeer Khalid Dawwas  
**Major:** Pharmaceutical Sciences—Pharmaceutical Outcomes and Policy  
**Dissertation:** Safety and Effectiveness of Anti-Platelet Therapy in Acute Coronary Syndrome Patients  
**Dissertation Chair:** H. Park

Amanda Desormeaux  
**Major:** Interdisciplinary Ecology  
**Dissertation:** Landscape-Scale Nitrate Fluxes and Attenuation in Karst Springsheds  
**Dissertation Chair:** J. W. Jawitz

Nicholas DiGruttolo  
**Major:** Forest Resources and Conservation  
**Dissertation:** Implications of Tidal Effects on Sea Level Rise Adaption Planning and Littoral Property Boundary Determination: Focused on Bays and Tidal Creeks in Florida  
**Dissertation Chair:** G. Barnes

Haichuan Ding  
**Major:** Electrical and Computer Engineering  
**Dissertation:** Beef up the Edge: Leveraging Vehicles for Data Transportation  
**Dissertation Chair:** Y. Fang

Dalila D'Ingeo  
**Major:** Anthropology  
**Dissertation:** At the Bottom of the Food Chain. Experiences of Food Insecurity among African American Adolescents in Tallahassee, FL  
**Dissertation Chair:** C. C. Gravlee IV

David Allen Dreier  
**Major:** Veterinary Medical Sciences  
**Dissertation:** Advancing Adverse Outcome Pathways for Mitochondrial Dysfunction and Multiple Stressors in Fish  
**Dissertation Chair:** C. Martyniuk  
**Dissertation Co-chair:** N. D. Denslow

Leilei Duan  
**Major:** Design, Construction and Planning  
**Dissertation:** Exploring Geodesign: Using Three-Dimensional Parametric Modeling Techniques in Conjunction with Two-Dimensional Land-Use Models to Better Visualize Future Growth  
**Dissertation Chair:** P. D. Zwick  
**Dissertation Co-chair:** I. Bejleri

Jerone Dunbar  
**Major:** Human-Centered Computing  
**Dissertation:** The Voice Based Arithmetic System (VBAS) Aimed at Helping Drowsy Drivers  
**Dissertation Chair:** J. E. Gilbert
Charles Patrick Easterling  
**Major:** Chemistry  
Dissertation: *New Strategies for Accessing Macromolecular Reactive Intermediates in the Synthesis of Functional Polymer Materials*  
Dissertation Chair: G. E. Fanucci

Daniel J. Eizenga  
**Major:** Political Science  
Dissertation: *Managing Political Liberalization after Multiparty Elections: Regime Trajectories in Burkina Faso, Chad, and Senegal*  
Dissertation Chair: L. A. Villalon

Ahmed H. Fahmy  
**Major:** Electrical and Computer Engineering  
Dissertation: *Mixed-Signal IC Design for Interfacing with Peripheral Nervous System*  
Dissertation Chair: R. Bashirullah  
Dissertation Co-chair: N. Maghari

Likui Feng  
**Major:** Chemistry  
Dissertation: *Biosynthesis and Mechanism of Natural Products in Nematodes*  
Dissertation Chair: R. A. Butcher

Maureen Patricia Fennessy  
**Major:** Curriculum and Instruction  
Dissertation: *Reading and Writing in Sixth Grade Science Classrooms*  
Dissertation Chair: Z. Fang

María Giselle Fernández  
**Major:** Aerospace Engineering  
Dissertation: *On the Quantification of the Particle Departure from Axisymmetry in Multiphase Cylindrical Detonation*  
Dissertation Chair: R. T. Haftka  
Dissertation Co-chair: S. Balachandar

Claudia Friess  
**Major:** Fisheries and Aquatic Sciences  
Dissertation: *Assessing and Managing a Fishery under Moratorium: The Case of the Recovering Goliath Grouper (Epinephelus itajara) in Florida*  
Dissertation Chair: K. Lorenzen  
Dissertation Co-chair: R. Ahrens

Joshua Jodhimani Gabriel  
**Major:** Materials Science and Engineering  
Dissertation: *Uncertainty Quantification of Material Properties Calculated with Density Functional Theory*  
Dissertation Chair: R. Hennig

Lorrayny Galoro da Silva  
**Major:** Animal Sciences  
Dissertation: *Dual-Flow Continuous Culture System and MAC-T Cells Culture on the Study of Cattle Nutrition and Inflammatory Response*  
Dissertation Chair: A. Faciola

Hao Gan  
**Major:** Agricultural and Biological Engineering  
Dissertation: *An Autonomous Immature Green Citrus Fruit Yield Mapping System*  
Dissertation Chair: W. S. Lee

Jorge Luis Garcia  
**Major:** Anthropology  
Dissertation: *Dietary Social Equality or Inequality at La Tolita, a Complex Intercostal Society in Ecuador*  
Dissertation Chair: A. Oyuela-Caycedo
Kristin Johnson Gardner
   Major: Criminology, Law, and Society
   Dissertation: Examining the Impact of Transfer on Adult Recidivism over the Long Term: A Propensity Score Matching Approach
   Dissertation Chair: L. M. Lanza Kaduce

Nicolas Garraud
   Major: Electrical and Computer Engineering
   Dissertation: Instrumentation for Characterizing the Rotational Dynamics of Magnetic Particles in Suspension
   Dissertation Chair: D. P. Arnold

Debolina Ghosh
   Major: Counseling and Counselor Education
   Dissertation: Creativity in Cross-Cultural Supervision: A Grounded Theory Approach
   Dissertation Chair: S. L. Smith

Allison N. Goins
   Major: Materials Science and Engineering
   Dissertation: Engineering a Biomimetic Scaffold for Small Diameter Blood Vessel Tissue Engineering
   Dissertation Chair: J. Allen

Tamara Goncalves Rezende Macieira
   Major: Nursing Sciences
   Dissertation: Novel Use of Standardized Nursing Care Plan Data to Examine Nursing Care for Hospitalized Older Adults with Cognitive Impairment
   Dissertation Chair: G. M. Keenan

Sarah Jane Graves
   Major: Forest Resources and Conservation
   Dissertation: Beyond Greenness: Hyperspectral Signals from Airborne Remote Sensing Data Capture Canopy Tree Growth Rates
   Dissertation Chair: S. A. Bohlman

David McCaskill Gray
   Major: Electrical and Computer Engineering
   Dissertation: Classifier Training Set Augmentation by Warping Synthetic Data in a Subspace Manifold
   Dissertation Chair: J. C. Principe
   Dissertation Co-chair: J. G. Harris

Taneshia Althea Greenidge
   Major: Counseling and Counselor Education
   Dissertation: The Lived Experiences of African American College Women's Self-Esteem and the Impact of Racial Socialization
   Dissertation Chair: M. K. DePue

Christopher Robert Greulich
   Major: Nuclear Engineering Sciences
   Dissertation: Radiography of Dry Cask Storage for Used Nuclear Fuel
   Dissertation Chair: J. E. Baciak

Mengyi Gu
   Major: Entomology and Nematology
   Minor: Plant Pathology
   Dissertation: Bermudagrass Root Rot Complexes Associated with Plant-Parasitic Nematodes and Pythium Species on Golf Courses in Florida
   Dissertation Chair: W. T. Crow

Jose Rafael Guarin Jr.
   Major: Agricultural and Biological Engineering
   Dissertation: Improving Wheat Crop Model Simulations under Extreme Weather and Ozone Stress: Impacts on Food Security
   Dissertation Chair: S. Asseng
Hamed Hakim
Major: Design, Construction and Planning
Dissertation Chair: C. J. Kibert

Changsook Han
Major: Electrical and Computer Engineering
Dissertation: Continuous-Time Delta-Sigma Analog-to-Digital Converters with Multi-Purpose Quantizers
Dissertation Chair: N. Maghari

Kanathy N. Haney
Major: Public Health
Dissertation: Factors Associated with Successful Reintegration of Sex Trafficking Survivors: From a Public Health Perspective
Dissertation Chair: M. W. Hart

Allen Ira Harkness III
Major: Nuclear Engineering Sciences
Dissertation: Safeguards Approaches for Spent Nuclear Fuel in Dry Cask Storage
Dissertation Chair: P. Enqvist

Theodore Hunter Harris
Major: Medical Sciences—Genetics
Dissertation: The Role of P2RX7 in the Hyper-Inflammatory Response of Localized Aggressive Periodontitis Patients
Dissertation Chair: L. M. Shaddox
Dissertation Co-chair: M. R. Wallace

Shuai He
Major: Chemistry
Dissertation: Exploiting Localized Surface Plasmon Resonance for Physical and Chemical Applications
Dissertation Chair: W. Wei

William C. Hedderson
Major: Health and Human Performance
Dissertation: The Effects of Propranolol on Acute Inflammatory Cytokines and Muscle Function following an Exercise-Induced Muscle Injury to the Shoulder in Individuals with a High Pain Sensitivity COMT Polymorphism
Dissertation Chair: P. A. Borsa

Robert Raymond Henderson Jr.
Major: Psychology—Clinical and Health Psychology
Dissertation: Alpha Power during Emotional Imagery: Associations with Psychopathology and the Startle Evoked Potential
Dissertation Chair: P. J. Lang
Dissertation Co-chair: M. M. Bradley

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

Caesar Miguel Hernandez III
Major: Medical Sciences—Neuroscience
Dissertation: Neural Mechanisms of Age-Related Alterations to Decision Making
Dissertation Chair: J. L. Bizon
Dissertation Co-chair: B. Setlow

Ixchel Manuela Hernandez Ochoa
Major: Agricultural and Biological Engineering
Dissertation: Crop Production and Climate Change: Impacts, Adaptation Strategies and Uncertainty
Dissertation Chair: S. Asseng
Susana Hervás Ávila  
Major: Interdisciplinary Ecology  
Dissertation: Understanding Stakeholder Conflict in the Gulf of Mexico Red Snapper Fishery  
Dissertation Chair: K. Lorenzen  
Dissertation Co-chair: M. C. Monroe

Juan M. Hincapie Castillo  
Major: Pharmaceutical Sciences—Pharmaceutical Outcomes and Policy  
Dissertation: Evaluating Unintended Consequences of Strategies Aimed to Control the Opioid Crisis on Acute Pain Management Patient Outcomes  
Dissertation Chair: A. G. Winterstein

Shigetomo Hirama  
Major: Wildlife Ecology and Conservation  
Dissertation: Evaluation of the Impact of Artificial Lighting on Sea Turtle Hatchling Orientation  
Dissertation Chair: R. R. Carthy

Md Marup Hossain  
Major: Food and Resource Economics  
Dissertation: Access to Capital and Subsequent Livelihoods of Poor Households in Bangladesh  
Dissertation Chair: C. Mullally

He Huang  
Major: Curriculum and Instruction  
Dissertation: The Role of Language in Middle School Students' Mathematics Performance  
Dissertation Chair: Z. Fang

Hua Huang  
Major: Biomedical Engineering  
Dissertation Chair: M. Ding

Kyle Thomas Hughes  
Major: Aerospace Engineering  
Dissertation: Practical Considerations in Validation Experiments: Forensic Uncertainty Quantification and Simulation-Driven Design  
Dissertation Chair: N. H. Kim  
Dissertation Co-chair: R. T. Haftka

Hyunchul Hwang  
Major: Civil Engineering  
Dissertation: Development of Accelerated Methodologies for Structural Layer Coefficients (SLCs) of Bases  
Dissertation Chair: D. R. Hiltunen

Seahee Hwangbo  
Major: Electrical and Computer Engineering  
Dissertation: Advanced Millimeter Wave Antenna Module for Modern Wireless Communications Using 3D System-In-Packaging  
Dissertation Chair: Y. K. Yoon

Basheer Mohammed Iqdiam  
Major: Food Science  
Minor: Agricultural and Biological Engineering  
Dissertation Co-chair: R. M. Goodrich
Sabrina Islam  
**Major:** Public Health  
Dissertation: Psychological Intimate Partner Violence Attitudes and Sexual Stigma among Lesbian and Bisexual Women  
Dissertation Chair: K. M. Ross  
Dissertation Co-chair: A. N. Zucker

Sarah Rajkumari Jayasekaran  
**Major:** Civil Engineering  
Dissertation: Smart Initiatives in Developing Countries- an Exploratory Study in Framework Creation to Enable Decision Making Focusing on Smart City Mission in India  
Dissertation Chair: F. T. Najafi

Cassandre Jean-Antoine  
**Major:** Nursing Sciences  
Dissertation: Comparing Perceptions of Nursing Leadership between Minority and Non-Minority Nurse Leaders  
Dissertation Chair: V. M. Johnson-Mallard  
Dissertation Co-chair: A. L. Horgas

Kookhyun Jeong  
**Major:** Materials Science and Engineering  
Dissertation: Innovative Coating of Vanadium Carbide on the F/M Cladding Tube Inner Surface for Mitigating the Fuel Cladding Chemical Interactions  
Dissertation Chair: Y. Yang

Mengda Jia  
**Major:** Design, Construction and Planning  
Dissertation: Occupant Behavior Modeling for Improving Commercial Building Energy Use Simulation  
Dissertation Chair: R. S. Srinivasan

Soo Won Jo  
**Major:** Curriculum and Instruction  
Dissertation: A Study of Common Core English Language Arts K-3 Text Exemplar Picture Books  
Dissertation Chair: D. Fu

Joseph John Thalakkottor  
**Major:** Mechanical Engineering  
Dissertation: Developing a Unified Velocity Boundary Condition for Fluid Flows  
Dissertation Chair: K. Mohseni

Travis M. Jones  
**Major:** Psychology  
Minor: Computer Science  
Dissertation: Cognitive and Behavioral Neuroscience of Subordinate-Level Processing and Applications to Brain-Computer Interfaces  
Dissertation Chair: L. Scott

Emilie Elizabeth Jordan  
**Major:** Classical Studies  
Dissertation: All the Words, a Stage: Innovation, Self-Preservation, and the Centrality of Comedy in Ovid’s Metamorphoses  
Dissertation Chair: J. A. Rea

Stephanie Marie Boothby Juengling  
**Major:** Anthropology  
Dissertation: "I am Exposed to Not Only the Paranormal, but the Deepest Secrets of Individuals' Lives": An Ethnography of Florida Paranormal Research Teams  
Dissertation Chair: P. F. Collings

Levente Juhász  
**Major:** Forest Resources and Conservation  
Dissertation: Investigating User Contribution Patterns to Novel Volunteered Geographic Information Platforms  
Dissertation Chair: H. H. Hochmair
Christopher Paul Kabb
Major: Chemistry
Dissertation: Stimuli-Responsive Polymeric Materials
Dissertation Chair: B. S. Sumerlin

Patrick Wilson Kelly
Major: Aerospace Engineering
Dissertation: Orbital Debris Mitigation Using Solar Sail Trajectory Optimization
Dissertation Chair: R. Bevilacqua

Patrick D. Kiely
Major: Business Administration—Accounting
Dissertation: Essays on U.S. Audit Partner Characteristics
Dissertation Chair: W. R. Knechel

Ju-Hyeun Kim
Major: Pharmaceutical Sciences—Pharmaceutical Outcomes and Policy
Dissertation: Reducing the Burden of Disease in Patients with Rheumatoid Arthritis
Dissertation Chair: A. G. Hartzema

Sujin Kim
Major: Design, Construction and Planning
Dissertation: Shifting the Paradigm of Heritage Conservation Practice through 3D Terrestrial Laser Scanning
Dissertation Chair: C. Silver
Dissertation Co-chair: M. Hylton

Lindsey Marie King
Major: Public Health
Dissertation: An Ecological Examination of Trauma-Informed, Resilience-Building Community Initiatives
Dissertation Chair: M. W. Hart

Bryan David Kozik
Major: History
Dissertation: Building a Cosmopolitan Episcopacy in Reformations Central Europe: Johannes Dantiscus's Pursuit of Reform across Latin Christendom, 1518-1548
Dissertation Chair: H. P. Louthan

Cody J. Kunka
Major: Mechanical Engineering
Dissertation: Quantum and Experimental Mechanics of Icosahedral Ceramics
Dissertation Chair: G. Subhash

Sanju Kunwar
Major: Plant Pathology
Dissertation: Improving Host Resistance in Tomato against Ralstonia solanacearum by Utilizing EFR Gene from Arabidopsis thaliana and Identifying/Characterizing QTLs Associated with Bacterial Wilt Resistance in Tomato
Dissertation Chair: M. Paret
Dissertation Co-chair: J. B. Jones

Mercedes F. Kweh
Major: Animal Molecular and Cellular Biology
Dissertation: Vitamin D and Immunity Factors Contributing to Vitamin D Mediated Innate Immune Responses in Cattle
Dissertation Chair: C. D. Nelson

Hyok-Je Kwon
Major: Design, Construction and Planning
Dissertation: The Impact of Neighborhood Environment on Aging in Place
Dissertation Chair: R. L. Steiner

Christopher Samuel Lacko
Major: Biomedical Engineering
Dissertation: Magnetically Templated Scaffolds: A Novel Tissue Engineered Hydrogel for Peripheral Nerve Injury Repair
Dissertation Chair: C. E. Schmidt
Susan E. Lad  
Major: Anthropology  
Dissertation: Haversian Remodeling in Primate Limb Bones: Effects of Loading Magnitude, Frequency, and Strain Mode  
Dissertation Chair: D. Daegling

Nelmarie Landrau Giovannetti  
Major: Veterinary Medical Sciences  
Dissertation: Detection and Characterization of Emerging Pathogens in Stranded Cetaceans  
Dissertation Chair: T. B. Waltzek

Jessica Ann Laskowski  
Major: Wildlife Ecology and Conservation  
Dissertation: Effects of Animal Traits and Environmental Conditions on Animal Patch Choice and Foraging Behavior  
Dissertation Chair: R. A. McCleery

Lindsey A. Laytner  
Major: Public Health  
Dissertation: A One Health Framework to Understand Livestock Ownership and Nutrition Status in Children under Five in Southern Haiti  
Dissertation Chair: S. L. McKune

Ah-Ram Lee  
Major: Mass Communication  
Dissertation: The Effects of Technology-Mediated Communications on Elderly-Related Campaigns: The Interplay of Probability, Construal Level, and Message Appeal  
Dissertation Chair: L. L. Hon

Aleuna Lee  
Major: Linguistics  
Dissertation: Effects of Production on Predictive Processing in Young and Older Adults  
Dissertation Chair: E. Kaan

Giljae Lee  
Major: Electrical and Computer Engineering  
Dissertation: Collaborative Autonomic Approach to Self-Tuning of Hadoop Performance  
Dissertation Chair: J. A. Fortes

Lei Li  
Major: Chemistry  
Dissertation Chair: R. K. Castellano

Qianyun Li  
Major: Biostatistics  
Dissertation: Pathological Imaging Analysis and Drug Sensitivity Prediction  
Dissertation Chair: F. Liang

Weixuan Li  
Major: Mechanical Engineering  
Dissertation: A Concurrent Atomistic-Continuum Study of Phonon Transport and Dislocation Dynamics on Mesoscale Materials  
Dissertation Chair: Y. Chen

Jiamin Liang  
Major: Chemistry  
Dissertation Chair: D. R. Talham
Yinong Liang  
**Major:** Nuclear Engineering Sciences  
**Dissertation:** Spent Nuclear Fuel Monitoring Using 4He Fast Neutron Scintillation Detectors and Spectral Unfolding Techniques  
**Dissertation Chair:** P. Enqvist

Yan Liao  
**Major:** Soil and Water Sciences  
**Minor:** Urban and Regional Planning  
**Dissertation:** Capture Hydrology and Carbon Dynamics of Everglades through an Earth System Models  
**Dissertation Chair:** S. Gerber

Bianca Libanori Artiaga  
**Major:** Animal Sciences  
**Dissertation:** Natural Killer T Cell Therapy for Prevention and Treatment of Influenza A Virus Infection in Swine  
**Dissertation Chair:** J. P. Driver

Rachel Lima Franca Piersanti  
**Major:** Animal Sciences  
**Dissertation:** Effects of Uterine Disease on the Ovary of Dairy Cows  
**Dissertation Chair:** J. J. Bromfield

Yingfu Lin  
**Major:** Chemistry  
**Dissertation:** New Approaches and Applications to Brønsted Acid Catalysis and Development of Novel Hydrogen Bonding/Anion Binding Catalysis  
**Dissertation Chair:** D. Seidel

Hua Liu  
**Major:** Environmental Engineering Sciences  
**Dissertation:** PM Separation and Re-Suspension Test of Hydrodynamic Unit Operations Modeling, Scaling and Regulations in Urban Drainage System  
**Dissertation Chair:** J. J. Sansalone

Peng Liu  
**Major:** Plant Molecular and Cellular Biology  
**Dissertation:** Molecular Control of Carbon and Nitrogen Partitioning in Maize Kernels  
**Dissertation Chair:** K. E. Koch

Wenwen Liu  
**Major:** Agronomy  
**Dissertation:** Characterization of Acetyl CoA Carboxylase Inhibitor Fluazifop-P-Butyl Tolerance in Zoysia Spp. and the Safening Effect of Triclopyr on Zoysiagrass under Field Conditions  
**Dissertation Chair:** R. G. Leon-Gonzalez  
**Dissertation Co-chair:** J. B. Unruh

Xiaoxian Liu  
**Major:** Botany  
**Dissertation:** Alternative Splicing in Basal Angiosperms and Tragopogon (Asteraceae)  
**Dissertation Chair:** D. E. Soltis  
**Dissertation Co-chair:** W. B. Barbazuk

Kathryn Elaine Lohr  
**Major:** Fisheries and Aquatic Sciences  
**Dissertation:** Genetic and Environmental Considerations for Acroporid Coral Restoration  
**Dissertation Chair:** J. T. Patterson

Carrie Lynn Lomelino  
**Major:** Medical Sciences—Biochemistry and Molecular Biology  
**Dissertation:** Structure-Guided Design of Carbonic Anhydrase IX Selective Inhibitors as a Breast Cancer Treatment  
**Dissertation Chair:** R. McKenna
Lesa Nicole Lorusso  
**Major:** Design, Construction and Planning  
**Dissertation:** Investigating the Impact of Multisensory Environments on Behavior for Veterans with Dementia  
**Dissertation Chair:** N. Park  
**Dissertation Co-chair:** S. J. Bosch

Lisa Marie Lundgren  
**Major:** Curriculum and Instruction  
**Dissertation:** Mapping One Niche of Social Paleontology's Digital Ecology: Exploring the Practices of myFOSSIL Community Members  
**Dissertation Chair:** K. J. Crippen

Ginessa J. Mahar  
**Major:** Anthropology  
**Dissertation:** The Practice of Fishing: Investigating the Sociality of Mass-Capture Fishing along the North Florida Gulf Coast  
**Dissertation Chair:** N. J. Wallis

Allen R. Majewski  
**Major:** Physics  
**Dissertation:** Density Functional Theory Calculations of Temperature Dependent NQR Parameters in Solid Crystalline Materials  
**Dissertation Chair:** N. S. Sullivan

Adeesha Praveen Wijayasiri Malavi Pathirannahalage  
**Major:** Computer Engineering  
**Dissertation:** Dynamic Data Driven SAR Reconstruction on Hybrid Multicore Systems  
**Dissertation Chair:** S. K. Sahni  
**Dissertation Co-chair:** S. Ranka

Marc Anthony Matthews  
**Major:** Linguistics  
**Dissertation:** The Roles of Intonation and Pragmatic Context on Predictions of Upcoming Turns in Dialogue  
**Dissertation Chair:** R. Wayland  
**Dissertation Co-chair:** J. R. Valdes Kroff

Alex Joseph Mattingly  
**Major:** Health and Human Performance  
**Dissertation:** The Nature of Mouse Skeletal Muscle as an Immune-Responsive Organ  
**Dissertation Chair:** T. L. Clanton

Damaris Mayans Ramon  
**Major:** Romance Languages—Spanish  
**Dissertation:** The Processing of Gender Agreement in Monolingual and Heritage Speakers of Spanish  
**Dissertation Chair:** J. R. Valdes Kroff  
**Dissertation Co-chair:** A. de Prada Perez

Mam Yassin Mboge  
**Major:** Medical Sciences—Cancer Biology  
**Dissertation:** The Role of Carbonic Anhydrase in Breast Cancer Growth, Metabolism and Motility  
**Dissertation Chair:** S. C. Frost

Nina Menezes  
**Major:** Music  
**Dissertation:** One Voice, Many Spaces: Uncovering Contemporary Tamil Film Song Cover Culture in Chennai, South India  
**Dissertation Chair:** L. N. Crook

Francine Messias Ciriaco Silva  
**Major:** Animal Sciences  
**Dissertation:** Use of Chemical Treatment of Forages with the Alkali Calcium Oxide in Beef Cattle Production  
**Dissertation Chair:** N. DiLorenzo
Xinlei Mi  
**Major:** Biostatistics  
**Dissertation:** Deep Learning-based Approaches for High-dimensional Clinical and Genetic Data  
**Dissertation Chair:** F. Zou

Minch Minchin  
**Major:** Mass Communication  
**Dissertation:** A Foundation for the Marketplace: Why the Marketplace of Ideas Needs Natural Law for Support and the Content-Neutrality Doctrine for Application  
**Dissertation Chair:** C. Calvert

Siti Jariani Binti Mohd Jani  
**Major:** Soil and Water Sciences  
**Dissertation:** Composition, Sources, and Bioavailability of Nitrogen in Urban Waters  
**Dissertation Chair:** G. Toor  
**Dissertation Co-chair:** A. K. Koeser

Rene Arnoldo Molina  
**Major:** Electrical and Computer Engineering  
**Dissertation:** Responsive Deep Brain Stimulation for the Treatment of Medically Refractory Freezing of Gait in Parkinson’s Disease  
**Dissertation Chair:** A. Gunduz

Marissa Selena Molinar  
**Major:** Anthropology  
**Dissertation:** Drawing the World: Coso Range Archaic Rock Art as Performance, Community, and Cosmology  
**Dissertation Chair:** K. E. Sassaman Jr.

Christina Marie Moloney  
**Major:** Medical Sciences—Neuroscience  
**Dissertation:** Dissecting the Role of Matrin 3 in Amyotrophic Lateral Sclerosis and Distal Myopathy  
**Dissertation Chair:** J. M. Lewis

Douglas A. Monroe  
**Major:** Anthropology  
**Dissertation:** Food Deserts, Food Insecurity, and the Community Food Movement  
**Dissertation Chair:** C. C. Gravlee IV

Linda Estrella Monroy Sarmiento  
**Major:** Environmental Engineering Sciences  
**Dissertation:** Assessment of Management Options for Combustion Residuals  
**Dissertation Chair:** T. G. Townsend

Flavia Alejandra Montaño Centellas  
**Major:** Wildlife Ecology and Conservation  
**Dissertation:** Disentangling Driving Forces of Avian Community Assembly along Altitudinal Gradients  
**Dissertation Chair:** B. A. Loiselle

Adriana Moreira Zolini  
**Major:** Animal Molecular and Cellular Biology  
**Dissertation:** Identification and Characterization of Genes and Genetic Variants Controlling Fertility and Embryo Survival in Dairy Cattle  
**Dissertation Chair:** P. J. Hansen

Monica Alexandra Muñoz  
**Major:** Pharmaceutical Sciences—Pharmaceutical Outcomes and Policy  
**Dissertation:** Direct Reporting to the US Food and Drug Administration’s Adverse Event Reporting System: An Evaluation of Reporting Patterns, Impact of Consumer Reporting Form Changes, and Pharmacovigilance Utility  
**Dissertation Chair:** A. G. Winterstein
Lendel Kade Narine  
Major: Agricultural Education and Communication  
Dissertation: The Potential of Mobile Information Communication Technologies in Strengthening the Linkages between Farmers and Extension in Trinidad  
Dissertation Chair: A. M. Harder

Yasser Sobhy Ahmed Nehela  
Major: Plant Pathology  
Dissertation: Metabolic Responses of Citrus Plants to the Bacterial Pathogen Candidatus Liberibacter asiaticus and Its Insect Vector Diaphorina citri  
Dissertation Chair: N. A. Killiny-Mansour

Annie C. Neimand  
Major: Sociology  
Dissertation: Feminist Media as Feminist Activism: Examining the Communication Strategy Used in the Making of a Goddess Feminism Film  
Dissertation Chair: C. L. Shehan

Andrew S. Nelson  
Major: Veterinary Medical Sciences  
Dissertation: Mucosal Tolerance Strategies for Treating Type 1 Diabetes in Non-Obese Diabetic Mice  
Dissertation Chair: D. W. Pascual

Belinda Breese Nettles  
Major: Design, Construction and Planning  
Dissertation: Barriers to Considering Cultural Resources in Disaster Planning  
Dissertation Chair: K. I. Frank  
Dissertation Co-chair: K. E. Larsen

Thai Nguyen  
Major: Civil Engineering  
Dissertation: Strength Envelopes for Florida Rock and Intermediate Geomaterials  
Dissertation Chair: M. C. McVay

Sarah Nixon  
Major: Linguistics  
Dissertation Chair: D. Boxer

Omotola Gbemisola Olaniyi  
Major: Entomology and Nematology  
Dissertation: Evaluation of Integrated Strategies for Management of Twospotted Spider Mite (Tetranychus urticae Koch) in Organic Strawberry Production  
Dissertation Chair: O. E. Liburd

Taiwo Janet Olatunde  
Major: Aerospace Engineering  
Dissertation: UV LED Based Charge Control for the LISA Gravitational Reference Sensor  
Dissertation Chair: J. Conklin

Ana Carolina Oliveira Fiorini  
Major: Interdisciplinary Ecology  
Dissertation: Brazilian Forest Code Instruments Used to Promote Atlantic Forest Restoration: A Study in Rio Claro Municipality  
Dissertation Chair: F. E. Putz

Silvia Sofia Orsini  
Major: Microbiology and Cell Science  
Dissertation: Characterization of Nitric Oxide Synthase in the Haloalkaliphilic Archaeon Natronomonas pharaonis  
Dissertation Chair: K. C. Rice
Rommel Jose Pabon  
**Major:** Aerospace Engineering  
**Dissertation:** Experimental Studies of Organized Motions in a Turbulent Boundary Layer and Their Imprint on Wall Shear Stress  
**Dissertation Chair:** L. S. Ukeiley

Michael Christopher Pace  
**Major:** Medical Sciences—Neuroscience  
**Dissertation:** At the Intersection of Proteostasis and Neurodegenerative Disease: Bystander Misfolding and Impaired Proteome Integrity  
**Dissertation Chair:** D. R. Borchelt

Kirsten Eliete Paff  
**Major:** Agricultural and Biological Engineering  
**Dissertation:** Food Security in Ethiopia: Developing a Dynamic Crop Simulation Model for *Eragrostis tef* (Zucc.) Trotter  
**Dissertation Chair:** S. Asseng

Kyoung Shin Park  
**Major:** Health and Human Performance  
**Dissertation:** Musical Emotion and Familiarity Alters Forward Gait Behaviors in People with Parkinson's Disease  
**Dissertation Chair:** C. M. Janelle

Seema Patel  
**Major:** Medical Sciences—Immunology and Microbiology  
**Dissertation:** The Role of STING in Vaccine Efficacy and Host Pathogenesis during Pulmonary Pneumococcal Infection  
**Dissertation Chair:** L. Jin

Dev Raj Paudel  
**Major:** Agronomy  
**Dissertation:** Quantitative Trait Loci Mapping of Genes Involved in Flowering Time and the Development of Marker Assisted and Traditional Breeding Resources in Napiergrass for Yield, Biosafety, and Seed Production  
**Dissertation Chair:** F. Altpeter  
**Dissertation Co-chair:** J. Wang

Andres Alfredo Pech Cervantes  
**Major:** Animal Sciences  
**Dissertation:** Use of Expansins and Fibrolytic Enzymes to Improve Fiber Digestion in Ruminant Feeds  
**Dissertation Chair:** A. T. Adesogan  
**Dissertation Co-chair:** D. Vyas

Michelle L. Penkrot  
**Major:** Geology  
**Dissertation:** The Late Quaternary Continental Margin Sedimentary Record of Glacial Erosion within the St. Elias Mountain Range, Southeastern Alaska  
**Dissertation Chair:** J. M. Jaeger

Dane M. Phelan  
**Major:** Medical Sciences—Genetics  
**Dissertation:** Genetic Manipulation of the HSV1 Transactivator ICP4: From Gene Structure to Gene Therapy  
**Dissertation Chair:** D. C. Bloom

Nikea Chanel Pittman  
**Major:** Medical Sciences—Biochemistry and Molecular Biology  
**Dissertation:** Structure and Function Investigation of Anti-Tumor Parvoviruses  
**Dissertation Chair:** M. Agbandje-McKenna

Dhani Prakoso  
**Major:** Veterinary Medical Sciences  
**Dissertation:** Intrahost Genetic Diversity of West Nile Virus in Horses  
**Dissertation Chair:** M. T. Long
Charles Wayne Pugh  
**Major:** Microbiology and Cell Science  
**Dissertation:** Functional and Structural Dynamics of the Antiviral Innate Immune Rig-Like Receptor Family throughout Animal Evolution  
**Dissertation Chair:** B. D. Kolaczkowski

Yuxi Qiu  
**Major:** Research and Evaluation Methodology  
**Dissertation:** Posterior Predictive Model Checking to Evaluate the Performance of Dynamic Bayesian Networks  
**Dissertation Chair:** A. C. Manley

Justin B. Quinn  
**Major:** Anthropology  
**Dissertation:** Right to the Railroad: Publics and the Promise of High-Speed Rail in Contemporary Mexico  
**Dissertation Chair:** R. B. Kernaghan

Tiphanie E. Raffegeau  
**Major:** Health and Human Performance  
**Dissertation:** The Role of Cognition in Locomotor Balance across the Lifespan  
**Dissertation Chair:** C. J. Hass

Nathan George Frederick Reaver  
**Major:** Environmental Engineering Sciences  
**Dissertation:** Linking Landscape Hydrologic Processes to the Structure and Dynamics of Spring Ecosystems  
**Dissertation Chair:** D. A. Kaplan

Yuanfang Ren  
**Major:** Computer Engineering  
**Dissertation:** Algorithms to Construct and Explore the Biological Networks with Uncertainty  
**Dissertation Chair:** T. Kahveci

Natalie Marie Khoury Ridgewell  
**Major:** Curriculum and Instruction  
**Dissertation:** Is It the Right “Fit?” Florida Teachers’ Motivations for Choosing a Teaching Career Using the FIT-Choice Scale  
**Dissertation Chair:** A. J. Adams

Gustavo Riente de Andrade  
**Major:** Civil Engineering  
**Dissertation:** Relationship between Traffic Operations and Road Safety  
**Dissertation Chair:** A. Elefteriadou  
**Dissertation Co-chair:** A. Ferraz

John William Roberts  
**Major:** Horticultural Sciences—Environmental Horticulture  
**Dissertation:** Terrestrial Remote Sensing for Urban Forest Management  
**Dissertation Chair:** A. K. Koeser  
**Dissertation Co-chair:** G. M. Hansen De Chapman

Andrés Felipe Rodríguez Grisales  
**Major:** Soil and Water Sciences  
**Dissertation:** Carbon Oxidation, Characterization, and Soil Subsidence Modeling in the Organic Soils of the Everglades Agricultural Area  
**Dissertation Chair:** S. H. Daroub  
**Dissertation Co-chair:** S. Gerber

Erica P. Ross  
**Major:** Fisheries and Aquatic Sciences  
**Dissertation:** Chemosensory Communication in the Spiny Lobster, *Panulirus argus*: Interactive Effects of Disease on Spiny Lobster Ecology  
**Dissertation Chair:** D. C. Behringer Jr.
Miles A. Rubinski  
**Major:** Chemistry  
**Dissertation:** Radical Fluoroalkylation Using Photoredox Catalysis to Access Trifluoromethyl Coumarins and Difluoromethyl Indoles  
**Dissertation Chair:** W. R. Dolbier Jr.

Zilfina Rubio Ames  
**Major:** Horticultural Sciences  
**Dissertation:** The 'Ideal Peach' and the Role of Nitrogen Fertilization in the Development of Peach Postharvest Attributes  
**Dissertation Chair:** J. K. Brecht  
**Dissertation Co-chair:** M. A. Olmstead

Shilpa Sahay  
**Major:** Curriculum and Instruction  
**Dissertation:** Investigating Teachers' Perspectives toward ICT Integration in Classrooms in Delhi, India  
**Dissertation Chair:** K. M. Dawson

Jorge Sebastian Salinas  
**Major:** Mechanical Engineering  
**Dissertation:** Ambient Fluid Entrainment in Turbidity Currents  
**Dissertation Chair:** S. Balachandar  
**Dissertation Co-chair:** T. L. Jackson

Miguel Andres H. Salinas Saavedra  
**Major:** Zoology  
**Dissertation:** Evolution of Cell Polarity in Metazoa  
**Dissertation Chair:** M. Q. Martindale

Morgan Violeta Sanchez  
**Major:** Sociology  
**Dissertation:** Sick and Tired: Narratives of Chronic Fatigue Syndrome in Blogs  
**Dissertation Chair:** C. L. Shehan

Carla Dean Sanford  
**Major:** Animal Sciences  
**Dissertation:** The Impact of Conceptus and Fetal Development on Beef Cattle Production  
**Dissertation Chair:** N. DiLorenzo

Nathan R. Sauder  
**Major:** Mechanical Engineering  
**Dissertation:** Predicting Optimal Fast Functional Electrical Stimulation Patterns for Post-Stroke Gait Neurorehabilitation  
**Dissertation Chair:** B. J. Fregly

Michael R. Schmid  
**Major:** Mechanical Engineering  
**Dissertation:** Analysis of New Generation Absorption Cycles and the Design and Manufacturing of Their Membrane-Based Absorber Heat and Mass Exchanger  
**Dissertation Chair:** S. Moghaddam

Carrie E. Schuman  
**Major:** Interdisciplinary Ecology  
**Dissertation:** Ecosystem Service Provision by the Eastern Oyster, Crassostrea virginica, within the St. Augustine Region of Florida  
**Dissertation Chair:** S. M. Baker

Madeline G. Sciullo  
**Major:** Electrical and Computer Engineering  
**Dissertation:** Fundamental Modeling and Simulation of AlGaNPbN High Electron Mobility Transistors pH Sensing Technologies  
**Dissertation Chair:** M. E. Law  
**Dissertation Co-chair:** E. E. Patrick
Louis Alan Searcy  
 **Major:** Chemistry  
 **Dissertation:** Innovations in Mass Spectrometry Imaging for Metabolomics  
 **Dissertation Chair:** R. A. Yost

Poorvajan Sekar  
 **Major:** Chemical Engineering  
 **Dissertation:** Novel Approaches for Controlled Ocular Drug Delivery with Reduced Toxicity  
 **Dissertation Chair:** A. Chauhan

Mirsada Serdarevic  
 **Major:** Epidemiology  
 **Dissertation:** Risk Factors for Opioid Use Patterns Assessed through a Community Engagement Program in North Central Florida  
 **Dissertation Chair:** L. B. Cottler

Shamsunnaher  
 **Major:** Plant Pathology  
 **Dissertation:** XA21-Mediated Abiotic Stress Resistance in Rice  
 **Dissertation Chair:** W. Song

Qian Shu  
 **Major:** Environmental Engineering Sciences  
 **Dissertation:** Improving Model Ability of Predicting Atmospheric Pollutants by Constraining Modeling Process Uncertainties  
 **Dissertation Chair:** B. H. Henderson  
 **Dissertation Co-chair:** M. Jang

Holly Jean Shugart  
 **Major:** Entomology and Nematology  
 **Dissertation:** Probing Behavior and Host Preference in the Asian Citrus Psyllid, *Diaphorina citri* (Hemiptera: Liviidae)  
 **Dissertation Chair:** M. E. Rogers

Prashant Kumar Singh  
 **Major:** Chemistry  
 **Dissertation:** Isolation, Identification, and Synthesis of Novel Compounds from an Entomopathogenic Nematode  
 **Dissertation Chair:** R. A. Butcher

Geoffrey Henry Smith Jr.  
 **Major:** Fisheries and Aquatic Sciences  
 **Dissertation:** Impacts of a Non-Native Piscivore, the Pike Killifish, on Juvenile Common Snook  
 **Dissertation Chair:** D. J. Murie

Ian R. Smith  
 **Major:** Chemistry  
 **Dissertation:** Self-Assembly Behavior of Topologically Constrained Polypeptides  
 **Dissertation Chair:** D. A. Savin

Leticia M. Solaun  
 **Major:** Mass Communication  
 **Dissertation:** Acculturation and Self-Categorization as Predictors of Latino Philanthropic Behavior  
 **Dissertation Chair:** K. S. Kelly

Prashanth Sridharan  
 **Major:** Mechanical Engineering  
 **Dissertation:** Shock-Particle Interaction Using Diffuse Interface Methods  
 **Dissertation Chair:** S. Balachandar  
 **Dissertation Co-chair:** T. L. Jackson

Nichole E. Stetten  
 **Major:** Public Health  
 **Dissertation:** Medical Marijuana Usage among People with Disabilities  
 **Dissertation Chair:** J. L. Pomeranz
Lindsey Danielle Stevenson  
**Major:** Curriculum and Instruction  
**Dissertation:** The Sense-Making Experiences of United States History Educators in a High-Stakes Testing Environment  
**Dissertation Chair:** E. A. Washington

Bradley Christian Stockard  
**Major:** Pharmaceutical Sciences  
**Dissertation:** Applying Global and Targeted Metabolomics in Pediatric Acute Myeloid Leukemia to Identify Metabolic Differences Associated with Patient Characteristics and Treatment Outcomes  
**Dissertation Chair:** J. K. Lamba

Kalaivani Sundararajan  
**Major:** Computer Engineering  
**Dissertation:** Analysis of Stylometry as a Cognitive Biometric Trait  
**Dissertation Chair:** D. Woodard

Varsha Sundaresan  
**Major:** Medical Sciences—Cancer Biology  
**Dissertation:** Significantly Mutated Genes in Small Cell Lung Cancer and Comparative Analysis of p53 Binding  
**Dissertation Chair:** L. Zhou

Zahra Tayebi  
**Major:** Food and Resource Economics  
**Dissertation:** The Use of Panel Time Series Data in Modeling Agricultural Markets  
**Dissertation Chair:** G. Onel  
**Dissertation Co-chair:** J. L. Seale Jr.

Nina Nicole Thigpen  
**Major:** Psychology  
**Dissertation:** Selective Attention and Working Memory in Visual Cortex  
**Dissertation Chair:** A. Keil

Orrin H. Thomas  
**Major:** Forest Resources and Conservation  
**Dissertation:** Defining and Extending the Niche of Unmanned Systems in Engineering Mapping  
**Dissertation Chair:** B. A. Dewitt  
**Dissertation Co-chair:** B. E. Wilkinson

Jonathan Eric Thompson  
**Major:** Physics  
**Dissertation:** Gravitational Self-Force Regularization in the Regge-Wheeler and Easy Gauges  
**Dissertation Chair:** B. F. Whiting

John Thomas Tokarski III  
**Major:** Chemistry  
**Dissertation:** Optically Pumped Nuclear Magnetic Resonance Investigation of Strain and Doping Effects in Gallium Arsenide  
**Dissertation Chair:** C. R. Bowers

Rodrigo D. Trevizan  
**Major:** Electrical and Computer Engineering  
**Dissertation:** Toward Smart Grids: Algorithms for Efficiency and Security Enhancement  
**Dissertation Chair:** A. S. Bretas

Matthias A. Trujillo-Torres  
**Major:** Chemical Engineering  
**Dissertation:** Fabrication of Nanoporous Templates for Use in Gas Phase Separation. Methods for Achieving near Atomic Dimensions  
**Dissertation Chair:** K. J. Ziegler  
**Dissertation Co-chair:** S. Vasenkov
Derrick A. VanGennep  
**Major:** Physics  
**Dissertation:** Pressure-Driven Topological Quantum Phase Transitions in Semimetals and Semiconductors  
**Dissertation Chair:** J. J. Hamlin

María C. Vélez-Climent  
**Major:** Plant Pathology  
**Dissertation:** Evaluation of Southern Highbush Blueberry Cultivars for Resistance to Major Fungal Diseases in Florida and Population Genetics of Anthracnose Fungi Affecting North and Central Florida Blueberry Production  
**Dissertation Chair:** P. F. Harmon

Christopher E. Wagner  
**Major:** Physics  
**Dissertation:** Equilibrium and Time-Dependent Properties of Quantum Impurity Systems  
**Dissertation Chair:** J. K. Ingersent

Ahmed Mohammed Wahba  
**Major:** Food and Resource Economics  
**Dissertation:** Econometric Modeling of World Market Integration of Meat Exports, Multistage Budgeting Approach of Egypt's Import Demand, and Impacts of the Economic Reform Program on Meat Availability in Egypt  
**Dissertation Chair:** J. L. Seale Jr.  
**Dissertation Co-chair:** J. J. VanSickle

Kai Wang  
**Major:** Epidemiology  
**Dissertation:** Dynamics in Circulating Testosterone Level and Body Weight in Relation to Serum PSA and Risk of Prostate Cancer  
**Dissertation Chair:** X. Chen  
**Dissertation Co-chair:** M. Prosperi

Yu Wang  
**Major:** Geography  
**Minor:** Statistics  
**Dissertation:** Evaluating the Effects of Land Surface Conditions on Rainfall Patterns of Modeled Landfalling Tropical Cyclones Using Geospatial Technologies  
**Dissertation Chair:** C. J. Matyas

Christopher K. Weaver  
**Major:** Political Science  
**Dissertation:** Public Four-Year College and University Finance: Equality of State Financial Support to Public Historically Black Colleges and Universities  
**Dissertation Chair:** D. M. Hedge  
**Dissertation Co-chair:** S. D. Austin

Michael Shenming Wei  
**Major:** Chemistry  
**Dissertation:** Improving the Separation of Drug Isomers Using Chemical Modifiers in High-Field Asymmetric Waveform Ion Mobility Spectrometry  
**Dissertation Chair:** R. A. Yost

Jennifer Michelle Wert  
**Major:** Agricultural Education and Communication  
**Dissertation:** A Qualitative Exploration of Humble Women Leaders in Florida Agriculture  
**Dissertation Chair:** H. S. Carter  
**Dissertation Co-chair:** M. J. Sowcik

Erin B. White  
**Major:** Environmental Engineering Sciences  
**Dissertation:** Contaminant Fluxes through Heterogeneous Transport Pathways in Fractured Rock and Karst  
**Dissertation Chair:** M. D. Annable
Joseph I. Whitman  
**Major:** Economics  
Dissertation: Essays in the Economics of Sports and Trade  
Dissertation Chair: J. H. Hamilton

Monica E. Wilinski-Hodel  
**Major:** Romance Languages—Spanish  
Dissertation: Effects of Cross-Linguistic Influence in the Expression of Generic vs. Specific Subjects in SHSs  
Dissertation Chair: A. de Prada Perez

Krystan Alisa Wilkinson  
**Major:** Interdisciplinary Ecology  
Dissertation: Understanding Risk Mitigation by Common Bottlenose Dolphins (*Tursiops truncatus*) in Sarasota Bay, Florida through Analysis of Group Size, Habitat Use, and Perinatal Movements  
Dissertation Chair: W. E. Pine III  
Dissertation Co-chair: R. S. Wells

Samual Jay Wilson  
**Major:** Chemical Engineering  
Dissertation: Routes to Earth Abundant Kesterite-Based Thin Film Photovoltaic Materials  
Dissertation Chair: T. J. Anderson

Laura Moore Winn  
**Major:** Art History  
Dissertation: The Art of Becoming: Mimicry, Ambivalence, and Orientalism in the Work of Henry Ossawa Tanner and Hilda Rix  
Dissertation Chair: M. L. Hyde

Gabrielle Carrington Winters  
**Major:** Medical Sciences—Neuroscience  
Dissertation: Cephalopod Neurogenomics: Molecular Insights into Octopus Learning and Memory  
Dissertation Chair: L. L. Moroz

Qinwen Xia  
**Major:** Entomology and Nematology  
Dissertation: Evolutionary Changes in Endocrine Regulation of Diapause Trigger Diversification by a Shift in Life Cycle Timing  
Dissertation Chair: D. A. Hahn

Chi Xu  
**Major:** Civil Engineering  
Dissertation: Model Design and Economical Optimization of Concentrator Photovoltaic with Thermal and Waste Heat Recovery System  
Dissertation Chair: F. T. Najafi  
Dissertation Co-chair: M. Tia

Yunan Xu  
**Major:** Epidemiology  
Dissertation: The Association of Cumulative Cigarette Smoking with Cardiovascular Risk among Persons Living with HIV  
Dissertation Chair: X. Chen

Hamad Ahmad Yadikar  
**Major:** Chemistry  
Dissertation: Neurobiochemical and Peptidomic Approaches to Screen for Tau Kinase Inhibitors and Elucidate Post-Translational Modifications following Traumatic Brain Injury  
Dissertation Chair: R. A. Yost

Ibrahim Yahaya Ibrahim  
**Major:** Political Science  
Dissertation: Islam and Political Contestation in the Sahel: Protests, Riots, and Jihadist Insurgencies in Mauritania, Niger, and Mali  
Dissertation Chair: L. A. Villalon
Di Yang  
Major: Geography  
Dissertation: Forest Mosaics: Spatial Forest Management Patterns from Stands to Regional Scales in Southeastern U.S. Coastal Plain and Piedmont  
Dissertation Chair: M. W. Binford

Jongmin Yang  
Major: Political Science  
Dissertation: Governing the South Korean Video Game Industry  
Dissertation Chair: A. A. Hozic

Yajing Yang  
Major: Chemistry  
Dissertation: Study on Fluorescence Quenching, Aggregation and Charge Transfer Properties of Conjugated Polymers  
Dissertation Chair: K. S. Schanze

Tuba Yilmaz  
Major: Curriculum and Instruction  
Dissertation: Turkish American Students’ Experiences with Boundary Crossing within and across Multiple Discursive Spaces  
Dissertation Chair: E. J. De Jong

Carlos Andres Zambrano Vaca  
Major: Horticultural Sciences  
Dissertation: Determining Water Requirements for Low-Chill Peaches in Subtropical Humid Conditions  
Dissertation Chair: L. Zotarelli  
Dissertation Co-chair: K. W. Migliaccio

María Isabel Zamora Re  
Major: Agricultural and Biological Engineering  
Dissertation: Irrigation and Nitrogen Best Management Practices in Corn Production  
Dissertation Chair: M. D. Dukes

Jun Zhang  
Major: Design, Construction and Planning  
Dissertation: Collecting Real-Time Human Behavior Data during Fire Emergency Evacuation: A BIM-Driven Immersive Game Approach  
Dissertation Chair: R. R. Issa

Peter L. Zhang  
Major: Aerospace Engineering  
Dissertation: Characterization of Digitized Heat Transfer, Moving Contact Line Vorticity, and the Moving Contact Line Force  
Dissertation Chair: K. Mohseni

Qiao Zhang  
Major: Chemical Engineering  
Dissertation: Nuclear Mechanics and Cell Function  
Dissertation Chair: T. Lele

Yanchao Zhang  
Major: Religion  
Dissertation: The Development of Mazu Worship in Late Imperial China  
Dissertation Chair: M. Poceski

Zizhao Zhang  
Major: Computer Science  
Dissertation: Linking Language to Vision for Interpretable Computer-aided Diagnosis  
Dissertation Chair: L. Yang

Xiaofeng Zhou  
Major: Computer Science  
Dissertation: Learning and Query Processing over Knowledge Bases  
Dissertation Chair: Z. Wang
Yun Zhu  
Major: Epidemiology  
Dissertation: Multi-Omics Analysis for Major Depression: A Monozygotic Discordant Twin Study  
Dissertation Chair: J. Zhao

Doctor of Education

Kayla Bannister Charles  
Major: Higher Education Administration  
Dissertation Chair: D. A. Kramer

Bhuvaneswari Gudapati  
Major: Higher Education Administration  
Dissertation: A Phenomenological Examination of the Blended Learning Experiences of Caribbean Community College Students: An Interpretation through the Community of Inquiry Framework  
Dissertation Chair: J. C. Ortagus

Allison Beaumont Johnson  
Major: Curriculum and Instruction  
Dissertation: Case Study for Implementing Text Message Notifications in Online Courses: Strategies, Successes, and Pitfalls  
Dissertation Chair: A. D. Ritzhaupt

Cary Cates Kirby  
Major: Curriculum and Instruction  
Dissertation: Socially-Shared Regulation in an Online Learning Environment during a Fourth-Grade, Gifted Science Class  
Dissertation Chair: K. M. Dawson

Cynthia Zainab Okoe  
Major: Higher Education Administration  
Dissertation: Examining the Effects of Florida's Community College Baccalaureate Legislation on Baccalaureate Production in the State University System of Florida  
Dissertation Chair: D. A. Kramer

Ansa Tyus Reams-Johnson  
Major: Higher Education Administration  
Dissertation Chair: C. Haynes  
Dissertation Co-chair: D. F. Campbell

Virginia L. Stewart Miller  
Major: Higher Education Administration  
Dissertation: A Case Study of Campus IT's Role in the Adoption of Technology at a Private University  
Dissertation Chair: D. F. Campbell

Catherine Grace Gordon White  
Major: Educational Leadership  
Dissertation: A Study of the Relationship between Principal Support and New Teachers' Career Intentions  
Dissertation Chair: L. B. Eldridge
DOCTOR OF AUDIOLOGY
Carolyn A. Bequette
Lori A. Dyer
Edward G. Hill
Judith M. Saltiel

DOCTOR OF BUSINESS ADMINISTRATION
Marko Radoslav Jocic
Jared James Pressell

DOCTOR OF NURSING PRACTICE
Patricia Marie Burgunder
Angelica C. Estrella
Scott M. Macdonald

DOCTOR OF PLANT MEDICINE
James R. Betts II
Jennifer Lanette Sobel
Marvin Bruce Stripling Jr.

PROFESSIONAL DEGREES

THE FREDRICK G. LEVIN COLLEGE OF LAW

Dean Laura A. Rosenbury

DOCTOR OF JURIDICAL SCIENCES IN TAXATION

Dean Julie A. Johnson

DOCTOR OF PHARMACY

Dean Julie A. Johnson

*Cum Laude  **Magna Cum Laude  ***Summa Cum Laude  (Cum Laude, Magna Cum Laude and Summa Cum Laude are tentative and subject to final grades)
What Makes a University Great?

Some interesting facts about the University of Florida

Educational Excellence

UF is consistently ranked among the nation’s top universities: No. 8 in U.S. News & World Report “Top Public Universities” (2018); No. 12 in the Wall Street Journal/Times Higher Education list of Best Public Colleges (2017); No. 3 on the Forbes’ list of Best Value Public Universities (2017); No. 1 on Value Colleges’ list of Top 50 Best Value Colleges (2016); and No. 1 on the Times Higher Education list of best public universities for employers to find new hires.

Faculty

- UF has nearly 5,000 faculty members with distinguished records in teaching, research and service, including 36 Eminent Scholar chairs and 45 faculty elections to the National Academy of Sciences, Engineering, the National Academy of Medicine or the American Academy of Arts and Sciences.

- Awards include two Pulitzer Prizes, NASA’s top award for research, and the Smithsonian Institution’s conservation award.

Students

- Ninety-seven percent of incoming freshmen score above the national average (1500/21) on standardized exams. Students admitted for the fall 2018 freshman class had an average 4.45 GPA and an average SAT score of 1370.

- The freshman retention rate of 96 percent is among the highest in the country.

- UF awards more professional degrees to African American, Hispanic and other minority students than any other public university in the Association of American Universities (2014-15).

- Sixty-seven percent of UF full-time freshmen graduate in four years (2011-12 cohort), and 87 percent of UF freshmen graduate within six years (2009-10 cohort).

- Fifty-seven percent of UF graduates leave the university with no student-loan debt. For the remaining students, their average indebtedness is about $21,603, as compared with the national average of more than $30,000 (2015-16).
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 permanent home mailing address in February 2019.
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 doctoral regalia also has velvet running on the rest of the gown, including cross bars 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