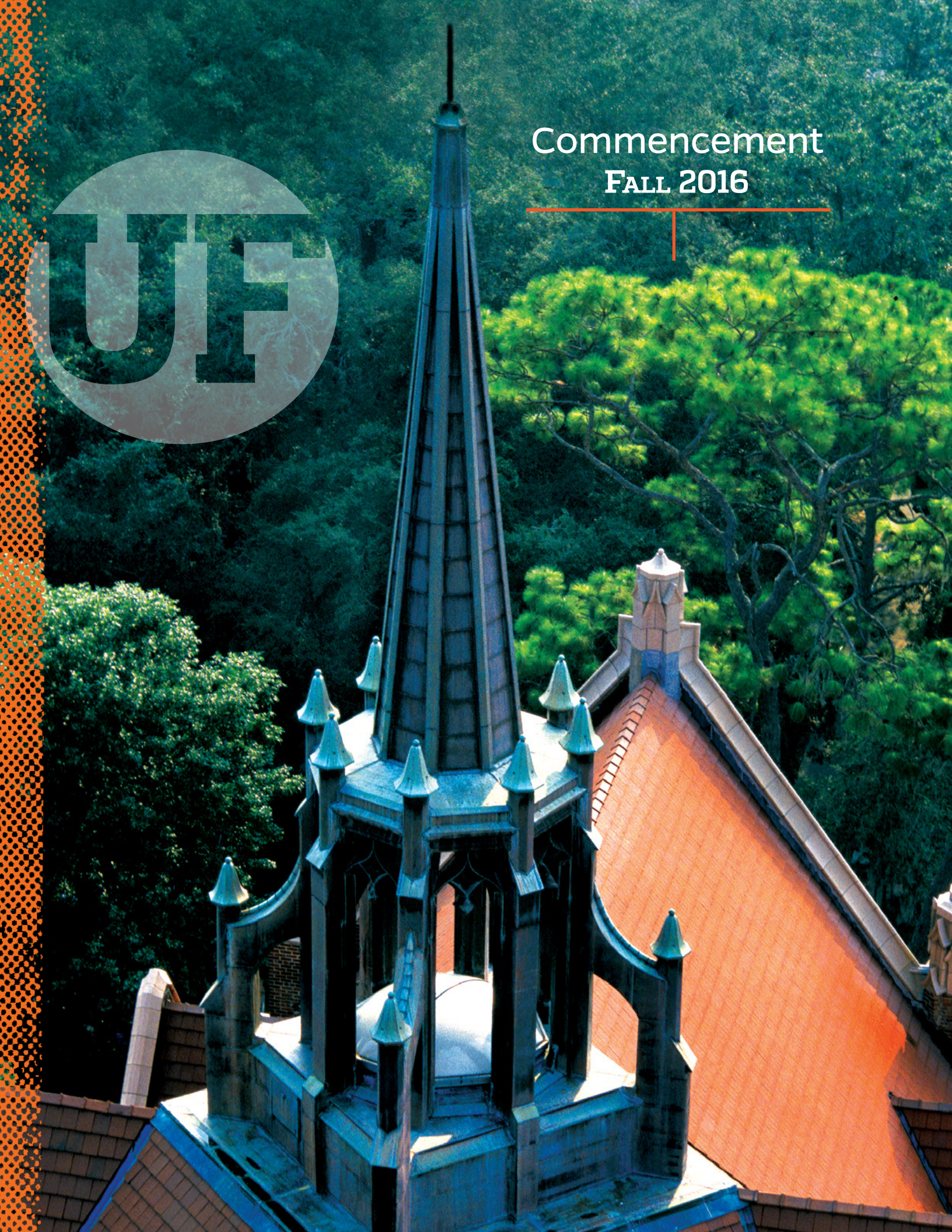


Commencement

UF | UNIVERSITY of
FLORIDA
The Foundation for The Gator Nation

Commencement
FALL 2016



University of Florida President

Dr. W. Kent Fuchs

Dr. Kent Fuchs became the 12th President of the University of Florida in January 2015. Under President Fuchs' leadership, the university has developed shared goals for the decade ahead. UF's overarching aspiration is to be a premier comprehensive university that the state, nation and world look to for leadership.

Previous to the UF presidency, Dr. Fuchs spent six years as provost of Cornell University. He was appointed provost after serving as Cornell's Joseph Silbert Dean of Engineering from 2002 to 2008. He joined Cornell from Purdue University, where he headed the School of Electrical and Computer Engineering from 1996 to 2002. He was a professor in the Department of Electrical and Computer Engineering and the Coordinated Science Laboratory at the University of Illinois from 1985 to 1996.

He is a fellow of the American Academy of Arts and Sciences, the American Association of 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 in Chicago. He credits divinity school with teaching him communication and community-building skills, and to balance his innately analytic perspective with a deep appreciation for people and 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 and a daughter, Micah, Eric, Isaac and Christine, as well a daughter-in-law, son-in-law, and two grandsons. 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. His two younger brothers and stepmother live in South Florida.

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 2016.

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 Leadership

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W. Kent Fuchs, Ph.D.
President

Joseph Glover, Ph.D.
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Vice President and Chief Information Officer - Information Technology

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Michael V. McKee, B.S.
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Vice President - Development and Alumni Affairs

David Norton, Ph.D.
Vice President - Research

Curtis Reynolds, M.B.A., M.S.E.E.
Vice President - Business Affairs

DEANS OF THE UNIVERSITY

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

Lucinda Lavelli, 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

Michael L. Good, M.D.
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

Jen Day Shaw, Ph.D.
Dean of Students



Commencement Agenda – Friday, December 16, 4:00 p.m.

Presiding	W. Kent Fuchs <i>President</i>
Processional.....	Gainesville Brass Quintet
National Anthem.....	Anthony Offerle Gainesville Brass Quintet
Welcome and Introductions.....	W. Kent Fuchs
Commencement Address	Ibram Kendi <i>UF Assistant Professor, Department of History</i>
Presenting Candidates for Doctoral Degrees	Joseph Glover Provost and Senior Vice President for Academic Affairs
Conferring of Doctoral Degrees	W. Kent Fuchs
Alma Mater	Anthony Offerle Gainesville Brass Quintet
Recessional.....	Gainesville Brass Quintet
Postlude	Gainesville Brass Quintet



ADDITIONAL COPIES of this commencement program are available while supplies last at the University of Florida 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 bookstore is located in the UF Bookstore and Welcome Center on Museum Road and is open daily. For hours, please see the website at www.bsd.ufl.edu/bookstore. The commencement program can be ordered online with an additional charge for shipping and handling.

THE UNIVERSITY OF FLORIDA encourages you to add #UFGrad to your commencement-related conversations and images on social media. Select tweets will be featured on the video boards prior to and after the ceremony.

THE PRE-COMMENCEMENT MOVIES titled "Dream Machine" and "Voyage to Tomorrow" were created by the staff and students of the UF Digital Worlds Institute with original music by resident composer James Oliverio. For more information on these movies, which are available on DVD, please visit the institute's website at www.digitalworlds.ufl.edu.

Commencement Speaker

Ibram X. Kendi

Ibram X. Kendi is an assistant professor of African American history at the University of Florida. His second book, *Stamped from the Beginning: The Definitive History of Racist Ideas in America*, was recently published by Nation Books. *Stamped* was named to the longlist of 10 books vying for the 2016 National Book Award for Nonfiction. Described as “engrossing and relentless,” *Stamped* was recently featured in The Washington Post’s 2016 summer reading list alongside prominent authors like David Duchovny and Stephen King. Kirkus billed *Stamped* as “ambitious, magisterial” in its starred review. Dr. Kendi also authored the award-winning book *The Black Campus Movement: Black Students and the Racial Reconstitution of Higher Education 1965-1972* (Palgrave, 2012).

A frequent media guest and public speaker on and off college campuses, Dr. Kendi has contributed op-eds to a number of publications, including Salon, The Chronicle of Higher Education, The Huffington Post, History News Network, Timeline, and The Root. In addition to his two books, 14 scholarly articles in journals and books, and numerous op-eds, Dr. Kendi is finishing his third book, *Black Apple: A History of Malcolm X and Black Power in New York 1954-1974*, which is under contract with New York University Press.

Dr. Kendi has received research fellowships, grants, and visiting appointments from a variety of universities, foundations, professional associations and libraries. He worked as a visiting scholar at Brown University in 2013 and 2014. He was awarded the 2013 National Academy of Education/Spencer Postdoctoral Fellowship, the most prestigious research fellowship for junior scholars in the field of education. Previously, he resided as a post-doctoral fellow at the renowned Rutgers Center for Historical Analysis in New Brunswick, N.J. He also resided at The John W. Kluge Center at the Library of Congress as the recipient of the 2010-2011 J. Franklin Jameson Fellowship in American History, the American Historical Association’s most esteemed fellowship for non-tenured historians. Dr. Kendi also has been awarded short-term fellowships



and grants from many other institutions, including the Lyndon B. Johnson Library & Museum, Princeton University, Duke University, University of Chicago, Emory University, Washington University (St. Louis), and UCLA.

Before earning his doctorate at Temple University and entering academia, he worked as a newspaper reporter. Dr. Kendi is a graduate of Florida A&M University and native of Queens, N.Y.

UF Graduate School

The reputation of a research university is, in large part, measured by the excellence of its graduate faculty and graduate students. The University of Florida's graduate faculty and graduate students help to push the boundaries of research, develop the technologies of the future, improve the health of our citizenry, reshape our social and economic culture, expand scholarship, and create beauty in many forms.



Doctor of Philosophy

The Doctor of Philosophy degree was established in the late 19th century as the highest earned degree in American graduate schools. This degree program, which stresses competence in research, awards the credential most commonly held by college professors and researchers. Although requirements of the doctorate vary from one institution to another, certain prerequisites are typical: coursework, a qualifying examination, an approved dissertation and a final examination. Doctoral students work closely with a major professor who serves as an advisor, mentor, critic, confidant and promoter.

Doctor of Education

The Doctor of Education degree was introduced at the University of Florida in the mid-1940s. This degree is conferred in recognition of the development of sound scholarship in professional education and closely related fields, and demonstrated ability to apply that knowledge as an administrator, supervisor or teacher. Requirements vary by discipline but generally include coursework, a qualifying examination, the completion of a dissertation and final examinations. Students are mentored by a major professor and supported by a supervisory committee comprising members of the graduate faculty.

Doctor of Audiology

The Doctor of Audiology degree was first awarded to students at the University of Florida in 2000. This degree is the highest university award given in this field in recognition of completion of academic preparation for the clinical practice of audiology. The degree requires four years of study beyond the bachelor's degree, including academic coursework, supervised clinical experiences, yearly academic and clinical evaluation by the faculty, and a final examination.

Doctor of Plant Medicine

The Doctor of Plant Medicine degree was established at the University of Florida in 1999 to provide all segments of agriculture with rapid, accurate and scientifically sound diagnoses and management strategies for all types of plant health problems. This multidisciplinary program consists of courses and practical training in all relevant departments. Students are trained in the science, practice and business of the profession of plant medicine and complete coursework and written and oral comprehensive examinations.

Doctor of Physical Therapy

The Doctor of Physical Therapy degree is a professional doctoral program that prepares graduates to become entry-level physical therapists and was established at the University of Florida in 2005. The degree requires three years of coursework and clinical practicum beyond the bachelor's degree. Completion of the program enables graduates to sit for the licensure examination to practice physical therapy.

Doctor of Nursing Practice

The Doctor of Nursing Practice degree is a professional doctoral program that began admitting students in 2006 at the University of Florida. The degree prepares advanced-practice nurses with the knowledge, skills and abilities needed in today's complex health care environment. It produces advanced-practice nurses with educational background comparable to health care practitioners in other fields.

GRADUATE SCHOOL

HENRY T. FRIERSON, ASSOCIATE VICE PRESIDENT AND DEAN OF THE GRADUATE SCHOOL

DOCTOR OF PHILOSOPHY

Muna Jamil Abbas, Bachelor of Science, 1993, Master of Science, 2004, University of Baghdad–Iraq; Master of Science, 2014, University of Florida

Major: *Agricultural and Biological Engineering*

Dissertation: Monitoring and Mapping Asian Citrus Psyllid Using Shaking Machine

Dissertation Chair: R. J. Ehsani

Jaafar Jabbar Abdulridha, Bachelor of Science, 1993, Master of Science, 2002, University of Baghdad–Iraq; Master of Science, 2015, University of Florida

Major: *Agricultural and Biological Engineering*

Dissertation: Detection of Laurel Wilt Disease for Avocado Trees Using Multispectral Imaging and a Spectrodiometer

Dissertation Chair: R. J. Ehsani

Kendall Danielle Ackley, Bachelor of Science, 2011, Master of Science, 2014, University of Florida

Major: *Physics*

Dissertation: A Realistic End-To-End Analysis: An Optimized Procedure for Finding Elusive Electromagnetic Counterparts to Gravitational Wave Candidates

Dissertation Chair: S. S. Eikenberry

Dissertation Co-chair: S. G. Klimenko

Varun Aggarwal, Bachelor of Technology, 2012, Indian Institute of Technology–India

Major: *Chemical Engineering*

Dissertation: Mathematical Modeling of Cytoplasmic Gradients: Sampling by the Moving Nucleus

Dissertation Chair: T. Lele

Dissertation Co-chair: R. B. Dickinson

Mohammad Ahsanul Akbar, Bachelor of Pharmacy, 2006, Master of Pharmacy, 2008, University of Dhaka–Bangladesh

Major: *Pharmaceutical Sciences–Pharmacy*

Dissertation: The Evaluation of Alpha-1 Antitrypsin Protein, Gene, and Stem Cell-Based Therapies in Animal Models of Osteoporosis

Dissertation Chair: S. Song

Bertrhude Albert, Bachelor of Arts, 2012, Master of Arts, 2014, University of Florida

Major: *Agricultural Education and Communication*

Dissertation: An Analysis of the Haitian Agricultural Education and Training (AET) System

Dissertation Chair: T. G. Roberts II

Dissertation Co-chair: A. M. Harder

Md Abdul Alim, Bachelor of Science, 2007, Bangladesh University

Major: *Computer Engineering*

Dissertation: Analyzing Social Communities and Its Importance on Dynamic Mobile Networks

Dissertation Chair: M. T. Thai

Hamed Abdelhamiyd Aljeradaat, Bachelor of Arts, 2004, Master of Arts, 2008, Mutah University–Jordan

Major: *Linguistics*

Dissertation: The Syntax of Focus Particles in Southern Jordanian Arabic

Dissertation Chair: Y. A. Haddad

Loai Abdullah Alkhatabi, Bachelor of Architecture, 2004, King Abdulaziz University–Saudi Arabia; Master of Building Construction, 2011, University of Florida

Major: *Civil Engineering*

Dissertation: Investigation of the Influence of National Culture on Construction Laborer Performance in Saudi Arabia

Dissertation Chair: R. D. Ellis Jr.

- Alice Alonso, Bachelor en Sciences en l'ingénieur, Orientation Bioingénieur, 2008, Master Bioingénieur, 2010, Université Catholique de Louvain—Belgium
 Major: *Agricultural and Biological Engineering*
 Dissertation: Untangling Complexity in Water-Subsidized Systems: The Tempisque Watershed and Degraded Palo Verde National Park Wetland (Costa Rica)
 Dissertation Chair: R. Munoz-Carpena
- Carolyn Jane Anderson, Bachelor of Science *cum laude*, 2007, Master of Science, 2010, North Carolina State University
 Major: *Interdisciplinary Ecology*
 Dissertation: Ecology and Impacts of Introduced Non-Human Primate Populations in Florida
 Dissertation Chair: S. A. Johnson
 Dissertation Co-chair: M. E. Hostetler
- Jeremy J. Anderson, Bachelor of Science in Electrical Engineering, 2000, Master of Science, 2003, University of Florida
 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
- Alexandria Nadine Ardissonne, Bachelor of Science *cum laude*, 2011, University of Florida
 Major: *Microbiology and Cell Science*
 Dissertation: Intestinal 16S rRNA Microbiome Studies in Early Life: Applications to Premature Birth and Type 1 Diabetes Autoimmunity
 Dissertation Chair: E. Triplett
- Paul B. Arthur, Bachelor of Science, 2007, Indiana University; Master of Science, 2011, Master of Occupational Therapy, 2011, University of Indianapolis—Indiana
 Major: *Rehabilitation Science*
 Dissertation: Examining the Impact of Neuropsychiatric Symptoms on Caregiver Well-Being
 Dissertation Chair: W. C. Mann
- Jorge Jair Avila Santamaria, Economista con Mención en Gestión Empresarial, 2009, La Escuela Superior Politécnica del Litoral—Ecuador; Master of Science, 2012, University of Florida
 Major: *Food and Resource Economics*
 Dissertation: Intra-Household Bargaining Power in Agriculture and Production Planning in Southern Colombia and Northern Ecuador
 Dissertation Chair: M. D. Useche
- Laura M. Avila Segura, Ingeniero Agrónoma, 2001, EARTH University—Costa Rica; Master of Science, 2006, University of Florida
 Major: *Interdisciplinary Ecology*
 Dissertation: Stingless Bee Foraging Ecology in Tropical Agricultural Landscapes
 Dissertation Chair: H. G. Hall
- Melissa Inez Bamba, Bachelor of Arts, 1992, Temple University—Pennsylvania; Master of Arts, 1996, University of Maryland; Master of Arts, 2008, University of Florida
 Major: *Sociology*
 Dissertation: Between the Devil and the Deep Blue Sea: Barack Obama and the Seductions and Anxieties of Conservative Political Talk Radio
 Dissertation Chair: M. Ardel
- Alassane Sié Barro, Diplôme D'ingénieur du Développement Rural, 2004, Université Polytechnique—Burkina Faso; Diplôme de Master Spécialisé, 2007, Institut International d'Ingénierie de l'Eau et de l'Environnement—Burkina Faso; Master of Science, 2011, Southern Illinois University at Carbondale
 Major: *Geography*
 Minor: *Global Health*
 Dissertation: Integrating Geographical Information Systems and the Ecological Niche Modeling Framework to Characterize the Spatial Ecology of Anthrax in Australia
 Dissertation Chair: J. K. Blackburn
- Ross L. Beardsley, Bachelor of Science in Environmental Engineering, 2012, University of Florida
 Major: *Environmental Engineering Sciences*
 Dissertation: Modeling the Secondary Organic Aerosol Formation of Biogenic Hydrocarbons
 Dissertation Chair: M. Jang

- Michael A. Benedict, Bachelor of Science in Mechanical Engineering, 2007, University of South Florida; Master of Science, 2009, University of Florida
 Major: *Mechanical Engineering*
 Dissertation: Modeling and Experiments of First Order Magnetocaloric Material Performance
 Dissertation Chair: S. A. Sherif
- Alexander I. Bennett, Bachelor of Science in Mechanical Engineering, 2010, Master of Science, 2016, University of Florida
 Major: *Mechanical Engineering*
 Dissertation: Regular and Irregular Wear Patterns of Elastomers in Combined Rolling and Sliding
 Dissertation Chair: W. G. Sawyer
- Michael T. Bentley, Bachelor of Arts, 2005, Master of Science, 2008, University of Florida
 Major: *Entomology and Nematology*
 Dissertation: Thermal Ecology and Management of the Invasive Tawny Crazy Ant, *Nylanderia fulva* (Mayr) (Hymenoptera: *Formicidae*)
 Dissertation Chair: F. M. Oi
- Carlos Andrés Bertoglio, Titulo de Profesor en Lengua Inglesa para el Tercer Ciclo de E.G.B. y E.P., 2005, Universidad Nacional de Villa Maria—Argentina; Master of Arts, 2011, University of Arkansas
 Major: *Romance Languages—Spanish*
 Dissertation: Football is Dead! Long Live Football! Argentine Football Literature Between Tradition and Resistance
 Dissertation Chair: M. E. Sorbille
- Ilyesse Bihi, Le Grade de Master, 2012, University Lille 1—France
 Major: *Chemical Engineering*
 Dissertation: Removal of Microparticles From a Surface Due to Interfacial and Shear Forces in Two-Phase Flows
 Dissertation Chair: J. E. Butler
- Ariel Blanco, Bachelor of Science in Aerospace Engineering *cum laude*, 2008, Bachelor of Science in Mechanical Engineering *cum laude*, 2008, Master of Science, 2010, University of Florida
 Major: *Aerospace Engineering*
 Dissertation: The Free Molecular Electro Jet (FMEJ) Micro-Thruster for Space Propulsion
 Dissertation Chair: S. Roy
- Caitlin Grayce Bletscher, Bachelor of Arts, 2010, George Fox University—Oregon; Master of Arts, 2012, Gonzaga University—Washington
 Major: *Agricultural Education and Communication*
 Dissertation: Community Connectedness: An Examination of the Social Dynamics of Resettled Refugees in the State of Florida
 Dissertation Chair: A. C. Andenoro
- Mamadou Bodian, Diplome de Maitrise D’Enseignement, 2006, Diplome d’études approfondies, 2008, Universite Cheikh Anta Diop Dakar—Senegal
 Major: *Political Science*
 Dissertation: The Politics of Electoral Reform in Francophone West Africa: The Birth and Change of Electoral Rules in Mali, Niger, and Senegal
 Dissertation Chair: L. A. Villalon
- Ana Carolina Bohorquez, Ingeniera Quimica, 2009, Universidad Central de Venezuela; Master of Science in Chemical Engineering, 2013, University of Puerto Rico at Mayaguez
 Major: *Biomedical Engineering*
 Dissertation: Characterization of Magnetic Nanoparticle Mobility in Biological Matrices as a Function of Magnetic Relaxation Measurements
 Dissertation Chair: C. Rinaldi
- Julie Renee Bokor, Bachelor of Science, 1995, Bachelor of Science, 1998, Master of Arts in Education, 2010, University of Florida
 Major: *Curriculum and Instruction*
 Dissertation: Developing Design Expertise Through a Teacher-Scientist Partnership Professional Development Program
 Dissertation Chair: K. J. Crippen

- Michael C. Borish, Bachelor of Science in Engineering, 2006, Duke University—North Carolina; Master of Science, 2009, University of Florida
 Major: *Computer Science*
 Dissertation: Crowdsourcing and the Role of Non-Experts in Virtual Human Development and Interaction
 Dissertation Chair: B. Lok
- Jennifer C. Boylan, Bachelor of Arts, 2009, University of Richmond—Virginia; Master of Arts, 2013, University of Florida
 Major: *Political Science*
 Dissertation: Political Competition via Centralized Sub-National Institutions: A Case Study of Ghana
 Dissertation Chair: M. H. Bernhard
 Dissertation Co-chair: B. B. Smith
- Shahab Bozorgmehri, Doctor of Medicine, 2003, Shahid Beheshti University of Medical Sciences—Iran; Master of Public Health, 2011, University of Florida
 Major: *Epidemiology*
 Dissertation: Renal Dysfunction after Surgery for Urologic Cancer and Other Diseases
 Dissertation Chair: M. T. Canales
- Natassia Rae Brenkus, Bachelor of Science in Civil Engineering *cum laude*, 2006, Master of Engineering, 2013, University of Florida
 Major: *Civil Engineering*
 Dissertation: Ultimate Strength of Post-Tensioned Girders with Mixed Bonded and Unbonded Prestressing
 Dissertation Chair: H. R. Hamilton III
- Berit Brink, Bachelor of Arts, 2010, University of Groningen—Netherlands; Master of Arts, 2011, Vrije Universiteit Amsterdam—Netherlands
 Major: *English*
 Dissertation: Revelatory Lines, Revolutionary Love: Beats, Black Arts, and the Poetics of Public Engagement
 Dissertation Chair: T. M. Hedrick
- Matthew J. Burg, Bachelor of Arts, 2002, Dickinson College—Pennsylvania
 Major: *Chemistry*
 Dissertation: Structural and Functional Studies of Magnetochrome MamX
 Dissertation Chair: S. D. Bruner
- Jaime A Caicedo, Bachelor of Science in Electrical Engineering *summa cum laude*, 2011, Master of Science, 2014, University of Florida
 Major: *Electrical and Computer Engineering*
 Dissertation: Natural and Triggered-Lightning Mechanisms in Florida
 Dissertation Chair: M. A. Uman
 Dissertation Co-chair: V. A. Rakov
- Sena Cansiz, Bachelor of Science, 2007, Master of Science, 2010, Middle East Technical University—Turkey
 Major: *Chemistry*
 Dissertation: Generation of DNA Aptamers for Hepatocellular Carcinoma Exosomes
 Dissertation Chair: W. Tan
- Zhe Cao, Bachelor of Agriculture, 2006, Master of Agriculture, 2008, China Agricultural University
 Major: *Horticultural Sciences—Environmental Horticulture*
 Dissertation: Genetic Variation in Caladium and Petunia
 Dissertation Chair: Z. Deng
 Dissertation Co-chair: D. G. Clark
- Robin Edward Carroll Jr., Bachelor of Science, 2009, Randolph-Macon College—Virginia; Master of Science, 2012, University of Florida
 Major: *Mechanical Engineering*
 Dissertation: A Microfabricated Magneto-Mechanical Oscillator Array Testbed Device for the Study of Wave Propagation Behaviors in Nonlinearly Coupled Periodic Structures
 Dissertation Chair: M. Sheplak
 Dissertation Co-chair: D. P. Arnold

- Catherine A. Case, Bachelor of Science in Mathematics *summa cum laude*, 2011, University of Alabama at Birmingham;
 Master of Statistics, 2013, University of Florida
 Major: *Curriculum and Instruction*
 Dissertation: Reasoning About Inference Using Traditional and Simulation-Based Inference Models
 Dissertation Chair: T. Jacobbe
- Alan T. Cebula, Bachelor of Science in Mechanical Engineering *magna cum laude*, 2007, Kansas State University;
 Master of Science, 2011, University of Florida
 Major: *Biomedical Engineering*
 Dissertation: Design and Evaluation of Novel SPECT Systems for Organ Specific Imaging
 Dissertation Chair: D. R. Gilland
- Pratyush Chakraborty, Bachelor of Electrical Engineering, 2006, Jadavpur University—India; Master of Technology
 in Electrical Engineering, 2011, Indian Institute of Technology—India; Master of Science, 2013,
 University of Florida
 Major: *Electrical and Computer Engineering*
 Dissertation: Optimization and Control of Flexible Demand and Renewable Supply in a Smart Power Grid
 Dissertation Chair: P. P. Khargonekar
- Helena Jeanne Chapman, Bachelor of Science, 2003, Master of Public Health, 2005, University of Florida;
 Doctora en Medicina, 2010, Universidad Iberoamericana Unibe—Dominican Republic
 Major: *Public Health*
 Dissertation: Adherence to Infection Control Measures for Tuberculosis Control: Addressing the “Knowledge-Action” Gap for
 Healthcare Workers in the Dominican Republic
 Dissertation Chair: M. Lauzardo
- Marc W. Charbel, Bachelor of Science in Agricultural and Biological Engineering *magna cum laude*, 2013, Master of Engineering,
 2013, University of Florida
 Major: *Biomedical Engineering*
 Dissertation: Identification of a Biomarker for Clinical Status and Prognosis of Hypoxic-Ischemic Neonates
 Dissertation Chair: R. Sitaram
 Dissertation Co-chair: A. Gunduz
- Maria Fernanda Checa Villafuerte, Licenciada en Ciencias Biologicas, 2006, Pontificia University Catholic
 University of Quito—Ecuador; Master of Science, 2010, Master of Sustainable Development Practice,
 2015, University of Florida
 Major: *Entomology and Nematology*
 Dissertation: The Role of Climate in the Seasonality Patterns and Community Assembly of Neotropical Butterflies Along
 an Environmental Gradient
 Dissertation Chair: K. R. Willmott
- Wei-Hung Chen, Bachelor of Science, 2003, National Chung Cheng University—Taiwan; Master of Science in Applied Chemistry,
 2006, National Chiao Tung University—Taiwan
 Major: *Chemistry*
 Dissertation: Structural Studies and Structure-Guided Engineering of Epimerization Domains to Reprogram Antibiotic
 Biosynthetic Pathways
 Dissertation Chair: S. D. Bruner
- Xiang Chen, Bachelor of Engineering and Law, 2008, Harbin Engineering University—China; Master of Science in
 Intelligent Building Technology & Management, 2009, Hong Kong University of Science and Technology
 Major: *Mechanical Engineering*
 Dissertation: Concurrent Atomistic-Continuum Simulation of Phonon Transport in Crystalline Materials with
 Microstructural Complexity
 Dissertation Chair: Y. Chen
- Yang Chen, Bachelor of Engineering, 2011, University of Science & Technology—China
 Major: *Computer Engineering*
 Dissertation: Scalable Learning and Inference in Large Knowledge Bases
 Dissertation Chair: Z. Wang

- Yue Chen, Bachelor of Engineering, 2008, Harbin Engineering University—China; Master of Engineering, 2010, University of Detroit Mercy-Michigan; Master of Science, 2012, University of Florida
 Major: *Electrical and Computer Engineering*
 Dissertation: Markovian Demand Dispatch Design for Virtual Energy Storage to Support Renewable Energy Integration
 Dissertation Chair: S. P. Meyn
- Kwansun Cho, Bachelor of Engineering, 1996, Kwandong University—South Korea; Master of Engineering in Electrical and Computer Engineering, 1999, Yonsei University—South Korea; Master of Science, 2003, University of Florida
 Major: *Electrical and Computer Engineering*
 Minor: *Communication Sciences and Disorders*
 Dissertation: START4K: A Computer Assisted Pronunciation Training System
 Dissertation Chair: J. G. Harris
- Ju Hee Choi, Bachelor of Engineering, 2010, Korea University
 Major: *Chemical Engineering*
 Dissertation: The Adsorption and Reaction Characteristics of Nitric Oxide and Carbon Monoxide on Palladium Oxide Surfaces
 Dissertation Chair: J. F. Weaver
- Jillian Alane Condrey, Bachelor of Science in Molecular Biology and Microbiology, 2008, University of Central Florida
 Major: *Veterinary Medical Sciences*
 Dissertation: Effect of Cortical and Subcortical Input on the Coordination of Respiration and Feeding Behaviors in the Rat
 Dissertation Chair: P. W. Davenport
- Philip C. Cook O.S.A., Bachelor of Arts, 1990, Villanova University—Pennsylvania; Master of Divinity, 1997, Catholic Theological Union—Illinois; Master of Arts, 2007, The Catholic University of America—District of Columbia
 Major: *Classical Studies*
 Dissertation: Abandoning the City: Meaning and Identity in Lucan's Rome
 Dissertation Chair: J. A. Rea
- Maria Margarita Coronel, Bachelor of Science in Biomedical Engineering *summa cum laude*, 2010, University of Miami—Florida
 Major: *Biomedical Engineering*
 Dissertation: Engineering an In Situ Oxygen Generating Material for Extrahepatic Islet Transplantation
 Dissertation Chair: C. Stabler Anderson
- Chelsey Crandall, Bachelor of Science *cum laude*, 2008, Master of Science, 2012, University of Florida
 Major: *Interdisciplinary Ecology*
 Dissertation: Participatory Management of Florida's Marine Fisheries
 Dissertation Chair: K. Lorenzen
 Dissertation Co-chair: M. C. Monroe
- Andrew A. Crowl, Bachelor of Science, 2009, University of Utah
 Major: *Botany*
 Dissertation: Evolution and Biogeography of Campanulaceae: From Global Patterns to Shallow, Species-Level Processes in the Mediterranean Basin
 Dissertation Chair: N. Cellinese
- Xingqian Cui, Bachelor of Science, 2011, Ocean University of China
 Major: *Geology*
 Dissertation: Organic Carbon Dynamics in Modern Fjords
 Dissertation Chair: T. S. Bianchi
- Kara Kravetz Cupoli, Bachelor of Arts, 1994, The Pennsylvania State University; Master of Science, 1997, Florida State University
 Major: *Agricultural Education and Communication*
 Dissertation: Predicting Success in Placement: Linkages Between Personality, Participation in Professional Development and Placement Success of MBA Students.
 Dissertation Chair: H. S. Carter

- Marcos Henrique de Moraes, Bachelor em Ciências Biológicas, 2010, Mestre em Genética e Biologia Molecular, 2012, Universidade Estadual de Campinas—Brazil
Major: *Soil and Water Science*
Dissertation: Functional and Comparative Genomic Analysis of *Salmonella enterica* in Tomatoes
Dissertation Chair: M. Teplitski
Dissertation Co-chair: G. J. Hochmuth II
- Christopher D. De Vilbiss, Bachelor of Science, 2009, Master of Science, 2011, University of Oklahoma
Major: *Environmental Engineering Sciences*
Dissertation: Evaluation of Earth's Geobiosphere Energy Baseline and the Energy of Crustal Cycling
Dissertation Chair: M. T. Brown
- Laura Jeanne Dedenbach, Bachelor of Arts, 1996, Master of Arts in Urban and Regional Planning, 1999, University of Florida
Major: *Design, Construction, and Planning*
Minor: *Anthropology*
Dissertation: A Defended Neighborhood: Territoriality in the Inman Park Neighborhood
Dissertation Chair: R. H. Schneider
Dissertation Co-chair: C. Silver
- Leticia Del-Penho Sinedino, Médico Veterinario, 2008, Mestre em Medicina Veterinária, 2012, Universidade Federal Fluminense—Brazil
Major: *Animal Molecular and Cellular Biology*
Dissertation: Effects of Dietary Polyunsaturated Fatty Acids on Rumen Biohydrogenation, Lactation Performance, and Reproduction in Dairy Cows
Dissertation Chair: J. E. Santos
- Ayşe Demirbas, Lisans Diploması, 2009, Firat University—Turkey
Major: *Agricultural and Biological Engineering*
Dissertation: Antioxidant Activity of Red Cabbage (*Brassica oleraceae*) Leaves Extract on Filleted Fresh Tilapia Meat and Packaged Filleted Fish
Dissertation Chair: B. A. Welt
- Jiexin Deng, Bachelor of Science *magna cum laude*, 2006, Christian Brothers University—Tennessee; Master of Science, 2009, University of North Carolina at Chapel Hill
Major: *Pharmaceutical Sciences*
Minor: *Statistics*
Dissertation: Bench-To-Bedside Applications of Pharmacometric and Systems Pharmacology Modeling and Simulation
Dissertation Chair: S. Schmidt
- Barbara N. DeRatt, Bachelor of Science *summa cum laude*, 2011, North Carolina Wesleyan College; Master of Science, 2013, University of Florida
Major: *Nutritional Sciences*
Dissertation: Hydrogen Sulfide Biomarkers and Vitamin B-6 Status
Dissertation Chair: J. F. Gregory
- Shaun Mariano DeSouza, Bachelor of Science in Mechanical Engineering, 2011, University of South Florida; Master of Science, 2015, University of Florida
Major: *Aerospace Engineering*
Dissertation: Disintegration of Single Orifice and Coaxial Supercritical Jets
Dissertation Chair: C. Segal
- Kelly Marie Deuerling, Bachelor of Science *magna cum laude*, 2008, University of Florida; Master of Science, 2010, Ohio State University
Major: *Geology*
Dissertation: Continental Ice Sheet Retreat, Chemical Weathering, and Isotope and Solute Fluxes: Examples From Western Greenland
Dissertation Chair: J. B. Martin
Dissertation Co-chair: E. E. Martin

- Raquel Dias, Bacharel em Ciencias Biologicas, 2010, Mestra em Ciencia da Computacao, 2012, Pontificia Universidade Catolica do Rio Grande do Sul—Brazil
 Major: *Microbiology and Cell Science*
 Dissertation: Integrating Computational, Statistical and Biochemical Approaches to Characterize the Molecular-Functional Evolution of Proteins
 Dissertation Chair: B. D. Kolaczowski
- Ryan W. Dickson, Bachelor of Science *cum laude*, 2009, University of Florida
 Major: *Horticultural Sciences—Environmental Horticulture*
 Dissertation: Evaluation of Floriculture and Edible Species Effects on Root Zone pH
 Dissertation Chair: P. R. Fisher
- Thiago do Val Simardi Beraldo Souza, Bacharel em Comunicacao Social, 2001, Universidade Metodista de Sao Paulo—Brazil
 Major: *Interdisciplinary Ecology*
 Dissertation: Recreation Classification, Tourism Demand and Economic Impact Analyses in Protected Areas of Brazil
 Dissertation Chair: B. Thapa
- Nguyet Thi Minh Doan, Bang Tot Nghiep Dai Hoc, 2003, Thac Si, 2009, Can Tho University—Vietnam
 Major: *Agricultural and Biological Engineering*
 Dissertation: Assessing and Enhancing Methane Productivity From Anaerobic Digestion Using Cyanothecce BG0011 as Feedstock
 Dissertation Chair: P. C. Pullammanappallil
 Dissertation Co-chair: S. A. Svoronos
- Darsa Donelan, Bachelor of Science, 2009, Bachelor of Arts *summa cum laude*, 2009, Massachusetts College of Liberal Arts; Master of Science, 2011, University of Florida
 Major: *Physics*
 Dissertation: The Effects of Atmospheric Gravity Waves on the Atmosphere of Titan
 Dissertation Chair: K. I. Matcheva
- Jenet M. Dooley, Bachelor of Science in Engineering, 2010, Miami University—Ohio; Master of Science, 2014, University of Florida
 Major: *Environmental Engineering Sciences*
 Dissertation: The Effect of Human Influence on North Central Florida Soundscapes
 Dissertation Chair: M. T. Brown
- Christopher Michael Dougherty, Bachelor of Science in Electrical Engineering *cum laude*, 2008, Master of Science, 2010, University of Florida
 Major: *Electrical and Computer Engineering*
 Dissertation: Circuit Bootstrapping Techniques for Extended Voltage Range and Improved Efficiency in Low-Voltage Triple-Well CMOS Integrated Circuits with Driven Capacitive Loads
 Dissertation Chair: R. Bashirullah
- Lauren Grace Douma, Bachelor of Science, 2010, Nova Southeastern University—Florida
 Major: *Genetics and Genomics*
 Dissertation: Mechanism of Beta Clamp Loading by the *Escherichia coli* Clamp Loader Complexes
 Dissertation Chair: L. B. Bloom
- Nicholas J. Dunbar, Bachelor of Science in Mechanical Engineering *magna cum laude*, 2008, Master of Science, 2014, University of Florida
 Major: *Mechanical Engineering*
 Dissertation: Patient Customizable Knee Model for Intraoperative Planning of Uni- and Bi-Compartmental Knee Arthroplasty
 Dissertation Chair: S. A. Banks
- Matthew S. Emigh, Bachelor of Science in Electrical Engineering *cum laude*, 2010, Master of Science, 2012, University of Florida
 Major: *Electrical and Computer Engineering*
 Dissertation: Model-Based Reinforcement Learning Using Information-Theoretic Descriptors
 Dissertation Chair: J. C. Principe
- Jacqueline Marie Esquiaqui, Bachelor of Science *magna cum laude*, 2010, University of Central Florida
 Major: *Chemistry*
 Dissertation: Dynamics and Conformational Shifts in the Glycine Riboswitch Studied by Site-Directed Spin Labeling Electron Paramagnetic Resonance Spectroscopy
 Dissertation Chair: G. E. Fanucci

- Michelle Sotaridona Eusebio, Bachelor of Science in Chemistry, 2002, Master of Science, 2010,
University of The Philippines Diliman
Major: *Anthropology*
Dissertation: Pottery, Cuisine, and Community Identity in Neolithic and Metal Age Southeast Asia: Biomolecular and Isotopic Investigation of Organic Residues
Dissertation Chair: J. Krigbaum
- Nathaniel M. Evans, Bachelor of Science, 2005, Oregon State University; Master of Arts, 2009, University of Kansas
Major: *Zoology*
Dissertation: The Systematics of Portunoidea Rafinesque, 1815 and the Evolution of Thalamitin Swimming Crabs
Dissertation Chair: G. Paulay
- June Fang, Bachelor of Science, 2011, Rice University–Texas
Major: *Agricultural and Biological Engineering*
Dissertation: Production, Characterization, and Environmental Applications of Engineered Carbons Derived From Hydrothermal Carbonization of Biomass
Dissertation Chair: B. Gao
- Yu Fang, Bachelor of Science, 2009, Minzu University of China; Master of Ecology, 2012, Graduate University of Chinese Academy of Sciences–China
Major: *Interdisciplinary Ecology*
Dissertation: Human Population Spatio-Temporal Distribution Embedded Within Water Networks
Dissertation Chair: J. W. Jawitz
- Cauê Favero Ferreira, Bacherel em Quimica, 2010, University Federal de Sao Carlos–Brazil
Major: *Chemistry*
Dissertation: Controlling the Thermodynamic Phase Stability of Hybrid Perovskites with Organic Media
Dissertation Chair: D. R. Talham
- Christopher Michael Ference, Bachelor of Science, 2002, Ohio University
Major: *Plant Pathology*
Dissertation: The Production and Accumulation of Phenolic Compounds in Response to Infection by *Xanthomonas citri* subsp. *citri* in Leaves of Citrus Genotypes with Reduced Susceptibility to Citrus Canker Disease
Dissertation Chair: J. B. Jones
- Norma Cristina Flor, Titulo de Ingeniero Agronomo, 1998, Universidad Nacional de Colombia; Master of Science, 2009, University of Florida
Major: *Agronomy*
Minor: *Plant Pathology*
Dissertation: Genetic Analysis of Large Patch Disease in Zoysiagrass
Dissertation Chair: K. E. Kenworthy
- Xian Fu, Bachelor of Science, 2011, Central South University–China
Major: *Microbiology and Cell Science*
Dissertation: Ubiquitin-Like Proteins of Archaea: Role in Targeted Proteolysis and Protein Modification Induced by Mild Oxidation
Dissertation Chair: J. A. Maupin
- Benjamin George, Bachelor of Science in Aerospace Engineering *cum laude*, 2010, Master of Science, 2012, University of Florida
Major: *Aerospace Engineering*
Dissertation: Three-Dimensional Effects of Cavities in Supersonic Flow and Their Control
Dissertation Chair: L. S. Ukeiley
- Hermes Gerardo-Cuervo, Titulo de Ingeniero Agronomo, 2003, Universidad Veracruzana–Mexico; Maestro en Ciencias, 2006, Colegio de Postgraduados–Mexico; Master of Science, 2016, University of Florida
Major: *Agricultural and Biological Engineering*
Dissertation: Understanding the Relationship Between Vegetation Indices and Climate Variability in Sugarcane in Florida
Dissertation Chair: C. W. Fraisse
- Nicole L. Gibbons, Bachelor of Science, 2011, Grand Valley State University–Michigan
Major: *Chemistry*
Dissertation: Low Density Polyethylene: Using Catalysts to Influence Branching and Molecular Weight
Dissertation Chair: S. A. Miller

Leslie Alexis Goldberg, Bachelor of Science in Bioengineering, 2009, Rice University–Texas

Major: *Biomedical Engineering*

Dissertation: Development of a Tissue Scaffold for Vascular Regeneration Through the Use of Rolled Human Amniotic Membrane Enhanced by Interfacial Adhesives

Dissertation Chair: P. S. McFetridge

Katrina R. Grau, Bachelor of Science *cum laude*, 2010, York College of Pennsylvania

Major: *Medical Sciences–Immunology and Microbiology*

Dissertation: The Murine Norovirus Minor Capsid Protein VP2 Regulates Immune Modulation and Host Shut Off

Dissertation Chair: S. A. Tibbetts

Dissertation Co-chair: S. M. Karst

David McCaskill Gray, Bachelor of Science in Electrical Engineering *cum laude*, 1985, Master of Engineering, 1989, University of Florida

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

Kritee Gujral, Bachelor of Arts *cum laude*, 2010, Master of Arts, 2013, University of Florida

Major: *Economics*

Dissertation: Bargaining *vs.* Posted Prices: An Analysis Using the eBay Automobile Market

Dissertation Chair: S. M. Slutsky

Senem Güner, Lisans Diploması, 2007, Ankara University–Turkey; Master of Science, 2012, University of Florida

Major: *Food Science*

Dissertation: Onion Skin: Assessment of Its Antioxidant and Antimicrobial Attributes, Its Effects on Lipid Oxidation, and Combination with Modified Atmosphere Packaging

Dissertation Chair: M. R. Marshall Jr.

Brian A. Hain, Bachelor of Science in Applied Physiology and Kinesiology *cum laude*, 2007, University of Florida

Major: *Health and Human Performance*

Dissertation: Skeletal Muscle Atrophy and Botulinum Neurotoxin Type A

Dissertation Chair: S. Dodd

Shivashankar Halan, Bachelor of Technology, 2007, Amrita Vishwa Vidyapeetham University–India; Master of Science, 2010, University of Florida

Major: *Computer Science*

Dissertation: Virtual Human Constructionism: Engineering Virtual Human Creation into an Opportunity for Interviewing and Interpersonal Skills Training

Dissertation Chair: B. Lok

Dale Allen Halbritter, Bachelor of Science, 2010, University of California at Riverside; Master of Science, 2012, University of Florida

Major: *Entomology and Nematology*

Dissertation: Integrating Phylogeography and Ecology to Understand the Evolution of *Neophasia* (Lepidoptera: *Pieridae*) in Sky Islands

Dissertation Chair: J. C. Daniels

Utpal Handique, Master of Science, 2009, Amity University–India

Major: *Horticultural Sciences*

Dissertation: Characterization of the Structure and Function of the Microbiome in Citrus Rhizosphere

Dissertation Chair: J. W. Grosser

Dissertation Co-chair: N. Wang

Brian M. Hare, Bachelor of Science, 2012, University of Idaho; Master of Science, 2013, University of Florida

Major: *Physics*

Dissertation: Relationship of Terrestrial Gamma Ray Flashes and Cosmic Ray Air Showers to Natural and Triggered Lightning

Dissertation Chair: K. I. Matcheva

- Chenyi He, Bachelor of Management, 2010, Beijing Forestry University—China; Master of Science, 2012, Purdue University—Indiana
 Major: *Food and Resource Economics*
 Dissertation: Three Essays on the Impact of Variety, Fruit Attributes and Labels on Consumer Purchase: Results From Sensory Tests, Experimental Auctions and Choice Experiment
 Dissertation Chair: Z. Gao
 Dissertation Co-chair: L. A. House
- Neverson-Anyjah Shôgun Heatley III, Bachelor of Arts *cum laude*, 2001, Florida A & M University; Juris Doctor, 2005, State University of New York at Buffalo
 Major: *Higher Education Administration*
 Dissertation: Minority Enrollment at American Bar Association Accredited Law Schools From 2004 to 2012, Analyzing ABA Interpretation 301-6 Using Feedback Loops
 Dissertation Chair: D. F. Campbell
- David Z. C. Hines, Bachelor of Arts, 1996, University of Chicago-Illinois; Master of Arts, 2005, University of Florida
 Major: *Anthropology*
 Dissertation: Dental Eruption and Mineralization in Iraqi Kurdistan
 Dissertation Chair: M. W. Warren
- Chad W. Hopkins, Bachelor of Science in Computer Science *summa cum laude*, 2009, Bachelor of Science in Physics *summa cum laude*, 2009, Florida Institute of Technology
 Major: *Physics*
 Dissertation: Optimization of Computational Chemistry Techniques
 Dissertation Chair: A. E. Roitberg
- Justin Tyrell Hosbey, Bachelor of Arts, 2008, Georgia State University; Master of Arts, 2011, University of South Florida
 Major: *Anthropology*
 Dissertation: Charter Schools, Black Social Life, and the Refusal of Death in Post-Katrina New Orleans
 Dissertation Chair: F. V. Harrison
- Lisa Angelina Howell, Bachelor of Arts, 2002, Weber State University—Utah; Master of Arts, 2008, University of Florida
 Major: *Anthropology*
 Dissertation: Anthropology at the Confluence: Intersections of Science and Community in Rural Communities
 Dissertation Chair: B. H. Chalfin
- Yih-Feng Hsieh, Bachelor of Science, 2005, Bachelor of Science in Agriculture, 2005, Master of Science, 2008, National Taiwan University
 Major: *Plant Molecular and Cellular Biology*
 Dissertation: Characterizing Late Leaf Spot Disease in Peanut via Transgenic and Molecular Approaches
 Dissertation Chair: J. Wang
 Dissertation Co-chair: M. Gallo
- R. Scott Hussey, Bachelor of Arts, 2000, Master of Arts, 2005, University of Florida
 Major: *Anthropology*
 Dissertation: A Collaborative Rescue Archaeological and Historical Investigation of Tetouan's Mazmorras, Morocco
 Dissertation Chair: P. R. Schmidt
- Imran Iftikhar, Master of Science, 2003, University of Engineering and Technology—Pakistan
 Major: *Chemistry*
 Dissertation: Increase in Oxidation Efficiency in On-Line Electrochemistry Electrospray Ionization Mass Spectrometry
 Dissertation Chair: A. F. Toth
- Vaibhav Jain, Master of Science, 2006, Dr. Hari Singh Gour University—India; Master of Science, 2010, Illinois State University
 Major: *Medical Sciences—Genetics*
 Dissertation: Role of LANA-N Terminal Domain in KSHV Epigenetics and Reactivation
 Dissertation Chair: R. F. Renne

- Gemi Estelle Jannotta, Bachelor of Science, 2002, University of North Florida; Bachelor of Science in Nursing, 2007, Jacksonville University—Florida; Master of Science in Nursing, 2008, University of Florida
 Major: *Nursing Sciences*
 Minor: *Developmental Psychopathology and Methods*
 Dissertation: Caregiver Perspectives of Pain in Children with Autism Spectrum Disorders
 Dissertation Chair: J. H. Elder
 Dissertation Co-chair: A. L. Horgas
- Junlin Jiang, Bachelor of Science, 2010, East China Normal University
 Major: *Chemistry*
 Dissertation: Charge Transfer Studies and Applications in Polymer Based Solar Energy Conversion
 Dissertation Chair: K. S. Schanze
 Dissertation Co-chair: B. S. Sumerlin
- Abenaa Acheampong Jones, Bachelor of Science, 2012, University of Maryland at College Park
 Major: *Epidemiology*
 Dissertation: Sex, Drugs, and Violence: A Longitudinal Analysis of the SAVA Syndemic Among Women Involved in the Criminal Justice System
 Dissertation Chair: L. B. Cottler
- Jared Anthony Jones, Bachelor of Science in Mechanical Engineering *cum laude*, 2010, University of Florida
 Major: *Mechanical Engineering*
 Dissertation: Design of Serial Link Manipulators for End Effector Impedances
 Dissertation Chair: S. A. Banks
- Alissa M. Jordan, Bachelor of Arts, 2007, Indiana University at Bloomington; Master of Arts, 2009, University of Chicago—Illinois
 Major: *Anthropology*
 Dissertation: Atlas of Skins: A Sensual Map of Becoming Persons, Becoming Werewolves, and Becoming Zonbi in a Haitian Vodou Courtyard
 Dissertation Chair: B. H. Chalfin
- Ilyoung Ju, Bachelor of Communication, 2011, Kookmin University—South Korea; Master of Advertising, 2013, University of Florida
 Major: *Mass Communication*
 Dissertation: The Effect of Reminiscence Bump on Nostalgic Advertising, Emotional Responses, and Purchase Intent
 Dissertation Chair: J. D. Morris
- Jason C. June, Bachelor of Science in Aerospace Engineering *cum laude*, 2011, Master of Science, 2013, University of Florida
 Major: *Aerospace Engineering*
 Dissertation: An Acoustic and Hydrodynamic Study of Grazing Flow over Helmholtz Resonators
 Dissertation Chair: M. Sheplak
- Leila Kalantari, Bachelor of Science, 2004, Master of Science, 2008, Simon Fraser University—Canada
 Major: *Computer Engineering*
 Dissertation: Possibilistic Classification of Hyperspectral Data
 Dissertation Chair: P. D. Gader
- Izharuddin Shah Kamaruddin, Bachelor of Science, 2003, Master of Science, 2011, Universiti Putra Malaysia
 Major: *Fisheries and Aquatic Sciences*
 Dissertation: Fishing Motivations, Catch Attitudes and Livelihoods of Pier Anglers in Florida
 Dissertation Chair: K. Lorenzen
 Dissertation Co-chair: T. V. Stein
- Yeonhaun Kang, Bachelor of Arts, 2005, Bachelor of Political Science, 2005, Master of Arts, 2009, Sungkyunkwan University—South Korea
 Major: *English*
 Dissertation: Re-designing the American Garden: The Global Environmental Imagination in Contemporary U.S. Ethnic Women's Literatures
 Dissertation Chair: S. E. Hegeman

- Mehmet Kara, Lisans Diploması, 2007, Istanbul University–Turkey; Master of Science, 2011, University of Florida
 Major: *Medical Sciences–Immunology and Microbiology*
 Dissertation: Target Identification of MHV-68 miRNA in Lytic Replication, Latency and Reactivation and Characterization of a miRNA Antisense Long Non-Coding RNA
 Dissertation Chair: S. A. Tibbetts
- AdityaKumar Kasinadhuni, Bachelor of Engineering, 2009, Osmania University–India; Master of Science, 2011, University of Florida
 Major: *Biomedical Engineering*
 Dissertation: Mapping Current Density Due to Electrical Stimulation Using Magnetic Resonance Electrical Impedance Tomography
 Dissertation Chair: T. H. Mareci
- Shannon Eileen Keleher, Bachelor of Arts, 1996, Transylvania University–Kentucky; Master of Business Administration, 2005, University of Central Florida
 Major: *Educational Leadership*
 Dissertation: A Comparative Study of the Efficacy of Equine Facilitated Psychotherapy for Female Trauma Survivors
 Dissertation Chair: L. S. Behar-Horenstein
 Dissertation Co-chair: A. C. Manley
- Newton Lwiyiso Kilasi, Bachelor of Science, 2005, Sokoine University of Agriculture–Tanzania; Master of Science, 2010, University of Zambia
 Major: *Horticultural Sciences*
 Dissertation: Heat Stress Tolerance in Rice (*Oryza sativa* L.): Developing a High Density Genetic Linkage Map Using Single Nucleotide Polymorphic Markers to Identify Quantitative Trait Loci for Vegetative Stage Tolerance
 Dissertation Chair: B. Rathinasabapathi
- Daejin Kim, Bachelor of Science in Engineering, 2008, Inha University–South Korea; Master of Science in Housing and Interior Design, 2010, Yonsei University–Korea
 Major: *Design, Construction, and Planning*
 Minor: *Research and Evaluation Methodology*
 Dissertation: Physical Environmental Design Factors Associated with Older Adults' Fall Risks in the Case of Senior Retirement Community Independent Living
 Dissertation Chair: M. B. Portillo
- Kukjoo Kim, Bachelor of Engineering, 2001, Korea Military Academy–South Korea; Master of Science, 2010, Texas A&M University; Master of Science, 2013, University of Florida
 Major: *Civil Engineering*
 Dissertation: Enhanced Finite Element Analysis Tools and Instrumentation Method to Evaluate the Structural Behavior of Non-Conventional Concrete Pavements
 Dissertation Chair: M. Tia
- Robert G. Kirchgessner, Bachelor of Science in Computer Engineering *cum laude*, 2009, Bachelor of Science in Electrical Engineering *cum laude*, 2009, Master of Science, 2011, University of Florida
 Major: *Electrical and Computer Engineering*
 Dissertation: Scalable Graph Processing on Reconfigurable Systems
 Dissertation Chair: A. D. George
 Dissertation Co-chair: G. M. Stitt
- Erik D. Klump, Bachelor of Science in Materials Science and Engineering *cum laude*, 2011, University of Florida
 Major: *Materials Science and Engineering*
 Dissertation: Morphological Effects on Device Performance in Organic Solar Cells
 Dissertation Chair: F. F. So
- Hal Simpson Knowles III, Bachelor of Science in Building Construction with highest honors, 1997, Master of Science, 2004, University of Florida
 Major: *Interdisciplinary Ecology*
 Dissertation: From Development Density to Consumption Complexity: Using Visualization Tools and Nonlinear Analyses to Compare Resource Efficiency in Urban Communities and Buildings
 Dissertation Chair: M. E. Hostetler

- Eleftheria Kontou, Ptychion, 2011, National Technical University of Athens—Greece; Master of Science, 2013, Virginia Polytechnic Institute and State University
 Major: *Civil Engineering*
 Dissertation: Socially Optimal Policies for Light-Duty Vehicle Electrification and Operations
 Dissertation Chair: Y. Yin
- Daniel Abraham Kotovsky, Bachelor of Science in Electrical and Computer Engineering, 2011, Carnegie-Mellon University—Pennsylvania
 Major: *Electrical and Computer Engineering*
 Dissertation: Response of the Nighttime Upper Mesosphere to Electric Field Changes Produced by Lightning Discharges
 Dissertation Chair: R. C. Moore
- Miller S. Krause, Bachelor of Arts, 1999, University of Virginia; Master of Arts, 2009, University of Kentucky
 Major: *Classical Studies*
 Dissertation: Major Characters in Roman Declamation
 Dissertation Chair: K. Kapparis
- Michael W. Kwan, Bachelor of Science in Materials Science and Engineering *cum laude*, 2012, Master of Science, 2014, University of Florida
 Major: *Materials Science and Engineering*
 Dissertation: Development of Samarium Oxide Based Approach to Radiopharmaceutical Treatment of Osteosarcoma
 Dissertation Chair: C. D. Batich
- Joelle M. Laing, Bachelor of Science, 2003, Berry College—Georgia; Master of Science, 2009, North Carolina State University
 Major: *Interdisciplinary Ecology*
 Dissertation: Relationships Between Sediment Redox Potential and Vegetation Characteristics and Implications for Native SAV Restoration
 Dissertation Chair: T. K. Frazer
- Abhijeet G. Lawande, Bachelor of Engineering, 2008, University of Mumbai—India; Master of Science, 2010, University of Florida
 Major: *Electrical and Computer Engineering*
 Dissertation: A Reconfigurable Interconnect for Large-Scale FPGA Applications and Systems
 Dissertation Chair: A. D. George
 Dissertation Co-chair: H. Lam
- Lisa Yun Lawson, Bachelor of Science, 2007, University of Notre Dame—Indiana; Master of Life Sciences, 2009, University of South Florida
 Major: *Medical Sciences—Genetics*
 Dissertation: Role of Robo Genes During Murine Vertebral Column Formation
 Dissertation Chair: B. Harfe
- Michael Wayne Lewis, Bachelor of Science *cum laude*, 2007, University of Florida
 Major: *Medical Sciences—Genetics*
 Dissertation: Genetic Mechanisms of the Angelman Syndrome Imprinting Center
 Dissertation Chair: J. L. Resnick
- Hong Li, Bachelor of Science, 2011, China University of Petroleum
 Major: *Chemistry*
 Dissertation: Long-Chain Branched Polyethylene via Acyclic Diene Metathesis (ADMET) Polymerization
 Dissertation Chair: K. B. Wagener
- Yang Li, Bachelor of Engineering, 1989, Xi'an Jiaotong University—China; Master of Science in Metallurgical Engineering, 1997, Master of Science in Computer Science, 1999, University of Alabama
 Major: *Biostatistics*
 Dissertation: Population-Based Unified Cure Rate Model and Population-Based Gompertz Cure Rate Model
 Dissertation Chair: M. N. Chang
- Zhi Li, Diplom Ingenieur, 2009, Fachhochschule Lübeck—Germany; Bachelor of Engineering, 2009, East China University of Science and Technology; Master of Science, 2011, Columbia University—New York
 Major: *Chemical Engineering*
 Dissertation: Thermodynamic Assessments and Atomic Layer Deposition for CIGS-Based Thin Film Solar Cell
 Dissertation Chair: T. J. Anderson

- Michael J. Liesenfelt, Bachelor of Science in Nuclear Engineering, 2006, Master of Science, 2009, University of Florida
 Major: *Nuclear Engineering Sciences*
 Dissertation: Development of 2D and 3D Fan Beam X-Ray Scatter Radiography Imaging Methods for Non-Destructive Examination
 Dissertation Chair: J. E. Baciak
- Lydia Nicole Little, Bachelor of Science magna *cum laude*, 2009, Saint Joseph's College—Indiana; Master of Science, 2011, University of North Florida
 Major: *Medical Sciences—Neuroscience*
 Dissertation: The Role of Gray Matter Damage in Respiratory and Forelimb Circuitry Following Cervical Spinal Cord Injury
 Dissertation Chair: P. J. Reier
- Bingjie Liu, Bachelor of Management, 2010, Sun Yat-Sen University—China; Master of Science, 2012, Clemson University—South Carolina
 Major: *Health and Human Performance*
 Dissertation: Developing Effective Tourism Crisis Responses
 Dissertation Chair: L. Pennington
- Sirui Liu, Bachelor of Engineering, 2010, Huazhong University—China; Master of Science, 2012, University of Florida
 Major: *Computer Science*
 Dissertation: Human Activity Simulation Modeling in Smart Spaces
 Dissertation Chair: A. A. Helal
- Yuan Liu, Bachelor of Science, 2011, Harbin Institute of Technology—China
 Major: *Chemistry*
 Dissertation: Surface Functionalization of Inorganic Colloidal Nanoparticles for Biochemical Applications
 Dissertation Chair: W. Tan
- Chang Long, Bachelor of Science, 2009, Nanjing University—China; Master of Science, 2015, University of Florida
 Major: *Physics*
 Dissertation: Optical Properties of Metallic 2-D and 3-D Terahertz Metamaterials
 Dissertation Chair: D. B. Tanner
- Benjamin M. Looney, Bachelor of Science, 2006, University of Florida
 Major: *Medical Sciences—Immunology and Microbiology*
 Dissertation: Altered Beta Cell Innate Immune Response to Terminal Deletion Coxsackievirus B3
 Dissertation Chair: M. J. Clare-Salzler
- Archana Lovett, Bachelor of Science in Biomedical Engineering, 2010, Georgia Institute of Technology
 Major: *Materials Science and Engineering*
 Dissertation: Development of an *In-Vitro* Model System for Investigating the Mineralization Mechanisms Involved in Idiopathic Kidney Stone Formation
 Dissertation Chair: L. B. Gower
- Chao-Lin Lu, Bachelor of Science, 2001, National Chung Hsing—Taiwan; Master of Science, 2003, National Taiwan University; Master of Arts, 2009, State University of New York at Albany
 Major: *Food and Resource Economics*
 Dissertation: The Determinant of US Consumer Attitudes Toward Solar Energy
 Dissertation Chair: Z. Gao
- Yuan Lu, Bachelor of Science, 2009, Fudan University—China
 Major: *Medical Sciences—Genetics*
 Dissertation: Engineering the AAV Vector for Enhanced Tumor Targeting
 Dissertation Chair: S. C. Ghivizzani
- Scott A. Macrae, Bachelor of Science, 2007, Master of Arts, 2009, Trent University—Canada
 Major: *Anthropology*
 Dissertation: A Socio-Ecological Approach to Assessing the Agricultural Strategy at the Minor Center of Waybil
 Dissertation Chair: K. F. Emery

- Aarthi Madhavan, Bachelor in Audiology and Speech-Language Pathology, 2006, Sri Ramachandra University—India;
 Master of Arts, 2008, Case Western Reserve University—Ohio
 Major: *Communication Sciences and Disorders*
 Dissertation: Identifying and Profiling Pre-Clinical Dysphagia in the Community Dwelling Elderly
 Dissertation Chair: M. A. Crary
- Lorena P. Maldonado-Camargo, Titulo de Ingeniera Quimica, 2009, Universidad del Atlantico—Colombia
 Major: *Chemical Engineering*
 Dissertation: Evaluation of the Rotational Diffusion of Nanoparticles in Complex Fluids
 Dissertation Chair: C. Rinaldi
- Christopher Joseph Davis Manick, Bachelor of Arts *magna cum laude*, 2006, Master of Arts, 2011, University of Florida
 Major: *Political Science*
 Dissertation: Knowing Better: Improving Collective Decision-Making in Higher Education Shared Governance
 Dissertation Chair: L. P. Thiele
- Mary Ann Dy Maquilan, Bachelor of Science in Biology, 2003, University of the Philippines at Mindanao; Master of Science,
 2009, University of California at Davis
 Major: *Horticultural Sciences*
 Dissertation: Rootstock Breeding for Resistance to the Peach Root-Knot Nematode *Meloidogyne floridensis*
 Dissertation Chair: M. A. Olmstead
 Dissertation Co-chair: J. X. Chaparro
- Silvia R Marino, Titulo de Ingeniera Agronoma, 1999, Universidad de Buenos Aires—Argentina; Master of Science, 2012,
 University of Florida
 Major: *Horticultural Sciences*
 Dissertation: Effect of Preharvest Treatments on Tree Water Status, Fruit Quality, and Shelf-Life of Grapefruit Fruits
 Dissertation Chair: M. A. Ritenour
- David M. Markus, Bachelor of Arts *summa cum laude*, 2008, University of Florida; Master of Arts, 2011, University of Arkansas
 Major: *Anthropology*
 Dissertation: The Archaeology of Jewish Folk Practice: Domestic Religious Ritual on the 19th Century Frontier
 Dissertation Chair: J. M. Davidson
- Marcela Andrea Márquez García, Titulo de Biologa, 2007, Magister en Ciencias Biologicas, 2009, Universidad de Chile
 Major: *Interdisciplinary Ecology*
 Dissertation: Evaluating Agricultural Conservation Practices: Corporate Conservation Behavior Analysis of Winegrowers in
 Chile's Mediterranean Ecosystems
 Dissertation Chair: S. Jacobson
- Lucas Ryan Martindale Johnson, Bachelor of Arts, 2001, Master of Arts, 2008, University of Central Florida
 Major: *Anthropology*
 Dissertation: Toward an Itinerary of Stone: Investigating the Movement, Crafting, and Use of Obsidian From Caracol, Belize
 Dissertation Chair: S. A. Brandt
- Mariko Matsuura, Bachelor of Science, 2011, Tokyo Metropolitan University—Japan
 Major: *Chemistry*
 Dissertation: Design and Selection of Kinases for an Artificial Metabolism
 Dissertation Chair: S. D. Bruner
- Sarah J. Mayer-Brown, Bachelor of Arts *magna cum laude*, 2009, George Washington University—District of Columbia;
 Master of Science, 2013, University of Florida
 Major: *Psychology—Clinical and Health Psychology*
 Dissertation: Influence of Patient, Parent, and Provider Characteristics on Assessment and Clinical Decisions for Pediatric
 Chronic Pain Patients Using Virtual Human Technology
 Dissertation Chair: D. Janicke

- Jame Elizabeth McCray, Bachelor of Science, 2002, University of Maryland Baltimore; Master of Arts, 2004, University of Miami—Florida
Major: *Wildlife Ecology and Conservation*
Dissertation: Sea Turtle Friendly Lighting in Florida: A Multi-Level Evaluation of Policy Implementation and Effectiveness
Dissertation Chair: R. R. Carthy
Dissertation Co-chair: S. Jacobson
- James Andrew McGuinness, Bachelor of Science, 2009, The College of William & Mary—Virginia
Major: *Medical Sciences—Neuroscience*
Dissertation: NSAIDS Reverse Age-Related Declines in Neurogenesis and Memory
Dissertation Chair: B. K. Ormerod
- Mehrad Mehr, Bachelor of Science, 2012, University of Virginia; Master of Science, 2013, University of Florida
Major: *Materials Science and Engineering*
Dissertation: Processing and Mechanical Characterization of Porous Functional Ceramics
Dissertation Chair: J. C. Nino
- Thessalia Merivaki, Ptychio, 2006, University of Macedonia—Greece; Master of Arts, 2008, University of Sheffield—United Kingdom; Master of Arts, 2011, University of Florida
Major: *Political Science*
Dissertation: America Registers at Different Speeds: The Differential Administration of Voter Registration Across the States
Dissertation Chair: D. A. Smith
- Ana María Mesa Guarín, Titulo de Zootecnista, 2008, Magister en Ciencias, 2010, Universidad Nacional de Colombia
Major: *Animal Sciences*
Dissertation: Strategies to Reduce Physiological, Environmental Stress on Horses and Exercise Consequences on the Porcine Model
Dissertation Chair: C. J. Mortensen
- Timoteo R. Mesh, Ingeniero Agronomo, 2004, Universidad EARTH—Costa Rica; Master of Science, 2011, University of Florida
Major: *Anthropology*
Dissertation: The Maya Struggle of Southern Belize: Alcaldeship and State Craft
Dissertation Chair: M. M. Stoilkova
- Romain Jeremy Miotto, Le Grade de Licence, 2009, Grade de Master, 2011, Universite Pierre et Marie Curie—France
Major: *Chemistry*
Dissertation: Development of a Chemoselective Iterative Glycosylation
Dissertation Chair: A. Aponick
- Austin B. Mogen, Bachelor of Science *cum laude*, 2011, University of Florida
Major: *Microbiology and Cell Science*
Dissertation: The Combined Contributions of Nitric Oxide Synthase and the Staphylococcal Respiratory Response Regulator to *Staphylococcus aureus* Physiology
Dissertation Chair: K. C. Rice
- Todd William Molnar, Bachelor of Science *cum laude*, 2007, University of Delaware; Master of Science, 2012, University of Florida
Major: *Mathematics*
Dissertation: On the Local Distribution of Small Prime Factors of Integers
Dissertation Chair: K. Alladi
Dissertation Co-chair: L. C. Shen
- Mehdi Mortazavi, Bachelor of Polymer Engineering, 2007, Amirkabir University of Technology—Iran; Master of Chemical Engineering, 2010, University of Tehran—Iran; Master of Science, 2011, University of Wisconsin at Milwaukee
Major: *Mechanical Engineering*
Dissertation: Physics of Absorption and Desorption Processes of Binary Mixtures on Textured Surfaces
Dissertation Chair: S. Moghaddam
- Noah J. Mueller, Bachelor of Science, 2006, Master of Science, 2011, Purdue University—Indiana
Major: *Geography*
Dissertation: How Long is Eternal? The Vulnerability of Small Island Caribbean Cemeteries to Sea Level Rise
Dissertation Chair: P. R. Waylen

- Gowri Natarajan, Bachelor of Engineering, 2011, Anna University—India; Master of Science, 2013, University of Florida
 Major: *Medical Sciences—Neuroscience*
 Dissertation: Translational Advancement of Somatostatin Gene Therapy for Temporal Lobe Epilepsy
 Dissertation Chair: P. R. Carney
 Dissertation Co-chair: M. A. King
- Jason K. Neely, Bachelor of Science in Family and Child Development, 2002, University of Georgia
 Major: *Counseling and Counselor Education*
 Dissertation: Couples Therapy to Improve the Marriage for Parents with a Child with Autism
 Dissertation Chair: S. C. Echevarria-Doan
- Thi Hoang Ha Nguyen, Diplome D'ingenier, 2010, Ecole Nationale Superieure de Chimie—France; Le Grade de Master, 2011, Universite Blaise Pascal—France
 Major: *Chemistry*
 Dissertation: Replacement of Commodity Plastics by Biorenewable and Degradable Polymers Prepared From Bio-Aromatics Derived From Lignin and Lignocellulose
 Dissertation Chair: S. A. Miller
- Angie Alejandra Niño Beltran, Titulo de Biologo, 2007, Universidad Militar Nueva Granada—Colombia; Master of Science, 2013, University of Florida
 Major: *Entomology and Nematology*
 Dissertation: Behavioral, Biological, and Outreach Approaches to the Management of *Microtheca ochroloma* Stål (Coleoptera: Chrysomelidae)
 Dissertation Chair: R. D. Cave
- Serhat Obuz, Lisans Diplomasi, 2007, Inonu Universitesi—Turkey; Master of Science, 2012, Clemson University—South Carolina
 Major: *Mechanical Engineering*
 Dissertation: Unknown Time-Varying Input Delay Compensation for Uncertain Nonlinear Systems
 Dissertation Chair: W. E. Dixon
- Juhyun Oh, Bachelor of Science, 2006, Korea University—South Korea; Master of Arts in Economics, 2009, Sungkyunkwan University—South Korea
 Major: *Food and Resource Economics*
 Dissertation: Essays on Production and Environmental Economics
 Dissertation Chair: Z. Guan
- Martha Sofia Ortega Obando, Titulo de Ingeniera Agronoma, 2003, Escuela Agricola Panamericana—Honduras; Magister en Ciencias Animales, 2011, Pontificia Universidad Catolica de Chile
 Major: *Animal Molecular and Cellular Biology*
 Dissertation: Candidate Genes Associated with Fertility and Embryonic Development in Dairy Cattle
 Dissertation Chair: P. J. Hansen
- Courtney Terrell Owens, Bachelor of Arts, 2005, Master of Science, 2008, North Carolina A&T State University
 Major: *Agricultural Education and Communication*
 Dissertation: A Study of African American Farmers' Lived Experiences with UF/IFAS Extension
 Dissertation Chair: A. J. Lamm
- Matias A. Oyarzun, Bachelor of Science in Aerospace Engineering *cum laude*, 2005, Bachelor of Science in Mechanical Engineering *cum laude*, 2005, Master of Science, 2008, University of Florida
 Major: *Mechanical Engineering*
 Dissertation: On the Design and Optimization of Zero-Net Mass-Flux Actuators for Active Flow Control Applications
 Dissertation Chair: L. N. Cattafesta III
- Paulo Henrique de Souza Paioti, Bacherel em Quimica, 2009, Universidade Estadual de Campinas—Brazil
 Major: *Chemistry*
 Dissertation: Group 11 Based Transition Metal Catalyzed Reactions of Alkynes: From Spiroketal to Chiral Amines
 Dissertation Chair: A. Aponick
- Kai Pan, Bachelor of Engineering, 2010, Zhejiang University—China; Master of Science, 2014, University of Florida
 Major: *Industrial and Systems Engineering*
 Dissertation: Deterministic and Stochastic Unit Commitment Problems: Convex Hulls, Strong Formulations, and Case Studies
 Dissertation Chair: Y. Guan

- Saroj Parajuli, Bachelor of Science in Agriculture, 2010, Master of Science in Agriculture, 2013, Tribhuvan University–Nepal
 Major: *Agronomy*
 Dissertation: Elevating Lipid Content and Energy Density in Vegetative Biomass of Sugarcane by Metabolic Engineering
 Dissertation Chair: F. Altpeter
- Brian H. Park, Bachelor of Science, 2008, University of North Carolina at Charlotte; Master of Science, 2011, University of Florida
 Major: *Mechanical Engineering*
 Dissertation: Kinematic Analysis and Automatic Segmentation of the Menisci
 Dissertation Chair: S. A. Banks
- Alexander Kilpatrick Parker, Bachelor of Arts, 2011, Albion College–Michigan
 Major: *Medical Sciences–Neuroscience*
 Dissertation: Effects of Neurological Insult and Aging on Neuronal Cilia
 Dissertation Chair: M. R. Sarkisian
- Gregory Gopaul Parsard, Bachelor of Science in Mechanical Engineering *cum laude*, 2010, University of Florida
 Major: *Mechanical Engineering*
 Dissertation: Spatial Distribution of Amorphization Intensity in Boron Carbide during Rate-Dependent Indentation and Impact Processes
 Dissertation Chair: G. Subhash
- Longineu Parsons Jr., Bachelor of Science, 1993, Florida A&M University; Master of Music, 1997, University of Florida
 Major: *Music*
 Dissertation: The Avant Garde in Jazz as Representative of Late 20th Century Art Music
 Dissertation Chair: P. S. Richards
- Jordin B. Patten, Bachelor of Arts, 2010, Bowling Green State University–Ohio; Master of Arts, 2012, University of Florida
 Major: *Romance Languages–French and Francophone Studies*
 Dissertation: Gender and French Conversation: A Comparison of Naturally Occurring Speech and Scripted Speech Among Same Sex and Mixed Sex Friend Groups
 Dissertation Chair: H. Blondeau
- Brendan A. Patterson, Bachelor of Science, 2011, Georgia Institute of Technology; Master of Science, 2014, University of Florida
 Major: *Materials Science and Engineering*
 Dissertation: The Study of Pearson Hard Soft Interactions for Nanoparticle Reinforced Fiber Composite Interfaces
 Dissertation Chair: H. Sodano
- Jakub Pedziwiatr, Bachelor of Science, 2012, Technische University–Germany
 Major: *Chemistry*
 Minor: *Entrepreneurship*
 Dissertation: Design, Synthesis and Characterization of Organometallic Pincer Group IV Transition Metal Complexes and Development of Gold Precursors for Electron Beam Induced Deposition (EBID)
 Dissertation Chair: L. A. McElwee-White
- Leslie Hahn Pendleton, Bachelor of Arts, 2003, College of Wooster–Ohio; Master of Science, 2006, Miami University–Ohio
 Major: *Higher Education Administration*
 Dissertation: Being the First: Shared Successes of First-Generation College Graduates
 Dissertation Chair: D. F. Campbell
- Robert W. Powell III, Bachelor of Science *summa cum laude*, 2010, Florida A&M University
 Major: *Chemistry*
 Dissertation: Improving the Thermostability and Increasing the Substrate Range of Old Yellow Enzyme Homologs and Aminolevulinic Acid Synthase Through Protein Engineering
 Dissertation Chair: J. D. Stewart
- Deborah Michelle Price, Bachelor of Science, 2008, Rutgers University–New Jersey; Master of Science, 2013, Texas A&M University
 Major: *Animal Sciences*
 Dissertation: The Effect of Pre- and Postnatal Trace Mineral Supplement Source on Measures of Cow Performance and Trace Mineral Status, and Calf Trace Mineral Status, Immunity, Performance, and Sexual Development
 Dissertation Chair: M. J. Hersom
 Dissertation Co-chair: J. V. Yelich

Ilaria Pucher, la Laurea in Fisica, 2010, Universita di Trento—Italy

Major: *Physics*

Dissertation: Electrodes for Water Splitting Electrolyzer and Li-air batteries

Dissertation Chair: A. G. Rinzler

Thales Augusto Pupo West, Engenheiro Florestal, 2009, Mestre em Ciencias, 2011, Universidade de Sao Paulo—Brazil

Major: *Interdisciplinary Ecology*

Dissertation: On the Improvement of Tropical Forest-Based Climate Change Mitigation Interventions

Dissertation Chair: F. E. Putz

Dissertation Co-chair: K. A. Grogan

Pengxu Qi, Bachelor of Science, 2011, Beijing Institute of Technology—China

Major: *Chemistry*

Dissertation: Synthesis and Characterization of Biorenewable and Degradable Poly(ester amide)s from Itaconic Acid as the Potential Replacement of Incumbent Commodity Plastics

Dissertation Chair: S. A. Miller

William E. Radunovich, Bachelor of Arts, 1989, George Washington University—District of Columbia; Master of Arts, 1995, University of Florida

Major: *Political Science*

Dissertation: Values and Their Impact on Presidential Vote Choice

Dissertation Chair: M. D. Martinez

Dissertation Co-chair: S. C. Craig

Parag S. Rane, Bachelor of Chemical Engineering, 2011, University of Mumbai—India

Major: *Chemical Engineering*

Dissertation: Investigation of *In-Vivo* Microtubule-Motor System Behavior via Simulation

Dissertation Chair: A. J. Ladd

Dissertation Co-chair: T. Lele

James Ronald Ratliff, Bachelor of Arts, 1972, Master of Arts, 1980, University of South Florida

Major: *Design, Construction, and Planning*

Dissertation: Integrating Airport Access Planning with the Metropolitan Surface Transportation Plan

Dissertation Chair: R. L. Steiner

Rubí Maribel Raymundo Carhuapoma, Ingeniero de Agronomo, 1999, Magister Scientiae, 2004, Universidad Nacional del Centro del Peru

Major: *Agricultural and Biological Engineering*

Dissertation: Analysis of the Potato Production Under Climate Change Through Crop Modeling

Dissertation Chair: S. Asseng

Tiffany Nichole Reagan, Bachelor of Science in Aerospace Engineering *cum laude*, 2011, Master of Science, 2013, University of Florida

Major: *Mechanical Engineering*

Dissertation: MEMS on a Plane: A Flush-Mount Microelectromechanical Systems Based Piezoelectric Microphone with Through-Silicon-Vias for Aircraft Fuselage Arrays

Dissertation Chair: M. Sheplak

Joel Eduardo Reyes Cabrera, Ingeniero Agronomo, 2009, Universidad EARTH—Costa Rica; Master of Science, 2013, University of Florida

Major: *Agronomy*

Dissertation: Effects of Land-Application of Bioenergy Residuals on Ecosystem Services, Soil-Water-Plant Relations in Florida Agroecosystems

Dissertation Chair: R. G. Leon-Gonzalez

Dissertation Co-chair: J. E. Erickson

Aldo Fernando Rincón Burbano, Titulo de Geologo, 2005, Universidad Nacional de Colombia; Master of Science, 2011, University of Florida

Major: *Geology*

Dissertation: Systematics, Biostratigraphy, and Paleobiogeography of Early Miocene Artiodactyls From the Panama Canal, Panama, Central America

Dissertation Chair: J. I. Bloch

Esteban Fernando Rios, Ingenieria Agronomica, 2010, Universidad Nacional del Nordeste—Argentina; Master of Science, 2013, University of Florida

Major: *Agronomy*

Dissertation: Classical, Analytical and Molecular Breeding Methods Applied in Annual Ryegrass (*Lolium multiflorum* Lam.)

Dissertation Chair: P. R. Munoz

Dissertation Co-chair: K. E. Kenworthy

Maria Constanza Rios Marin, Titulo de Biologa, 1995, Universidad del Valle—Colombia; Magister Scientiarum, 2011, Instituto Venezolano

Major: *Interdisciplinary Ecology*

Dissertation: From Individual Decisions to Collective Action for Biodiversity Conservation: Networks of Reserves of the Civil Society in Colombia

Dissertation Chair: K. A. Kainer

John E. Rogers, Bachelor of Electrical Engineering, 2005, Master of Science, 2007, Auburn University—Alabama

Major: *Electrical and Computer Engineering*

Dissertation: A Passive Wireless MEMS Dynamic Pressure Sensor for Harsh Environments

Dissertation Chair: M. Sheplak

Dissertation Co-chair: Y. K. Yoon

Christopher Wade Ross, Bachelor of Science, 2008, Master of Science, 2011, University of Florida

Major: *Soil and Water Science*

Dissertation: A Region Wide Analysis of Terrestrial Carbon Cycling Across The Land of Pines

Dissertation Chair: S. Grunwald

David Brett Roueche, Bachelor of Science in Civil Engineering *cum laude*, 2011, Master of Engineering, 2014, University of Florida

Major: *Civil Engineering*

Dissertation: Agreement Between Post-Disaster Studies and Engineering Models Regarding Tornado-Induced Wind Loads on Low-Rise Buildings and Building Response

Dissertation Chair: D. Prevatt

† Christopher Charles Rubow, Bachelor of Arts, 2011, State University of New York at Binghamton; Master of Education, 2013, Vanderbilt University—Tennessee

Major: *Psychology*

Dissertation: Internet-Based Applications of the Good Behavior Game: Effects on Teacher and Student Behavior

Dissertation Chair: T. R. Vollmer

Nicola Jayne Rutherford, Bachelor of Science, 2009, University of Leeds—United Kingdom

Major: *Medical Sciences—Neuroscience*

Dissertation: Mutation, Aggregation and Post-Translational Modification of alpha-Synuclein: Implications for Synucleinopathies

Dissertation Chair: B. I. Giasson

Mary E. Saczawa, Bachelor of Science, 2007, Emory University—Georgia; Master of Science, 2011, University of Florida

Major: *Psychology*

Dissertation: The Role of Pubertal Timing and Social Network Characteristics in Predicting Adjustment in Adolescence and Early Adulthood

Dissertation Chair: J. A. Graber

Dissertation Co-chair: D. P. Devine

Mona Brenda Gaturian Sayedul Huq, Bachelor of Science in Applied Physiology and Kinesiology, 2012, Master of Science, 2014, University of Florida

Major: *Health and Human Performance*

Dissertation: Adverse Childhood Experiences, Resilience, and Anxiety/Depression Among Juvenile Offenders in Florida

Dissertation Chair: C. B. Stopka

Robert Winston Scharr, Bachelor of Arts *cum laude*, 2002, University of Florida; Master of Science in Engineering, 2006, University of Washington; Master of Arts, 2009, University of Florida

Major: *Political Science*

Dissertation: Immigration Policy in the United States: Polarization and Paranoia Across Time

Dissertation Chair: L. C. Dodd

Dissertation Co-chair: S. D. Austin

- Reid E. Shaeffer, Bachelor of Science in Mechanical Engineering *summa cum laude*, 2012, Master of Science, 2014,
University of Florida
Major: *Mechanical Engineering*
Dissertation: Design of a Compact, Lightweight Absorption Chiller
Dissertation Chair: S. Moghaddam
- Shu Shang, Bachelor of Engineering, 2011, Huazhong University of Science and Technology—China; Master of Science,
2013, University of Florida
Major: *Mechanical Engineering*
Dissertation: Multiscale Modeling and Uncertainty Quantification of Composite Materials in High Strain Rate Application
Dissertation Chair: N. H. Kim
Dissertation Co-chair: B. V. Sankar
- Ashley Elizabeth Sharpe, Bachelor of Arts *magna cum laude*, 2009, Boston University—Massachusetts; Master of Arts, 2011,
University of Florida
Major: *Anthropology*
Dissertation: A Zooarchaeological Perspective on the Formation of Maya States
Dissertation Chair: K. F. Emery
- Meng Shen, Bachelor of Management, 2006, Shenyang Agricultural University—China; Master of Management, 2010,
Chinese Academy of Agricultural Sciences
Major: *Food and Resource Economics*
Dissertation: Three Essays on Food Label Context and Consumer Choice Behavior
Dissertation Chair: Z. Gao
- Michael Ray Shields, Bachelor of Science, 2011, Texas A&M University
Major: *Geology*
Dissertation: Carbon Burial in a Modern Prograding Delta: Wax Lake Delta, Louisiana
Dissertation Chair: T. S. Bianchi
- Deepak Shrestha, Bachelor of Agriculture, 2008, Tribhuvan University—Nepal; Master of Science, 2012, University of Idaho
Major: *Entomology and Nematology*
Dissertation: Biology and Ecology of Squash Vein Yellowing Virus and its Vector Whitefly *Bemisia tabaci* (Gennadius)
Dissertation Chair: S. E. Webb
- Jonathan B. Shute, Bachelor of Science *cum laude*, 2012, Florida Gulf Coast University; Master of Science, 2014,
University of Florida
Major: *Biomedical Engineering*
Dissertation: Closing the Loop in Tourette Syndrome
Dissertation Chair: A. Gunduz
- Lorae T. Simpson, Bachelor of Science, 2007, California State University at Sacramento; Master of Science, 2011,
Villanova University—Pennsylvania
Major: *Soil and Water Science*
Dissertation: The Impacts of Global Climate Change on Carbon Storage in the Salt-Marsh - Mangrove Ecotone in Florida
Dissertation Chair: T. Z. Osborne
- Ramya Sivakumar, Bachelor of Technology, 2009, Anna University—India; Master of Science, 2011, University of Florida
Major: *Medical Sciences—Immunology and Microbiology*
Dissertation: Characterizing the Role of Granulocyte Colony Stimulating Factor Pathway in the Pathogenesis of Systemic
Lupus Erythematosus
Dissertation Chair: L. M. Morel
- Leigh Ann Skurupey, Bachelor of Science *cum laude*, 2010, Colorado State University; Master of Science, 2012,
University of Florida
Major: *Animal Sciences*
Minor: *Soil and Water Science*
Dissertation: Using Diet to Influence Phosphorus Excretion in Horses and Reduce Phosphorus Leaching From Manure
Dissertation Chair: L. K. Warren

- Shanna Minnette Smith, Bachelor of Science, 2012, Mercer University—Georgia; Master of Science, 2014, University of Florida
 Major: *Materials Science and Engineering*
 Dissertation: Polymeric Chelators for Pharmaceutical Applications
 Dissertation Chair: C. D. Batich
- Thaissa Sobreiro Maximiano da Silva, Medico Veterinario, 2003, Universidade Estadual de Londrina—Brazil;
 Mestre em Ciencias Biologicas, 2007, Insituto Nacional de Pesquisas da Amazonia—Brazil
 Major: *Interdisciplinary Ecology*
 Dissertation: Indigenous Mobilization and Multi-Local Livelihood Strategies in the Middle Rio Negro, Northwestern Brazilian Amazon
 Dissertation Chair: S. G. Perz
- Vijaya Bhaskar Somu, Bachelor of Engineering, 2005, Andhra University—India; Master of Technology, 2007, Indian Institute of Technology—India; Master of Science, 2012, University of Florida
 Major: *Electrical and Computer Engineering*
 Dissertation: Interaction of Lightning Electromagnetic Pulse with the Ionosphere
 Dissertation Chair: V. A. Rakov
 Dissertation Co-chair: M. A. Uman
- Jie Song, Bachelor of Engineering, 2009, Master of Engineering, 2012, Sichuan University—China
 Major: *Design, Construction, and Planning*
 Dissertation: An Examination of Sea Level Rise Impacts on Land Use and Population Relocation: Case Study in Bay County, Florida, USA
 Dissertation Chair: Z. Peng
- Margo Anora Stoddard, Artium Baccalaureus, 1990, Colgate University—New York; Master of Science, 2001, Oregon State University
 Major: *Wildlife Ecology and Conservation*
 Dissertation: Interaction of Landscape Structure, Artificial Light, and Predators on Risk Perceived by Beach Mice
 Dissertation Chair: L. C. Branch
- Yulia Aleksandrovna Strekalova, Diplom, 2001, Russian State Humanitarian University; Master of Science, 2009, Master of Business Administration, 2010, University of Florida
 Major: *Mass Communication*
 Dissertation: Examining Uncertainty Management and Information Behavior in the Context of Recruitment for Clinical Research
 Dissertation Chair: D. M. Treise
 Dissertation Co-chair: J. Raup-Krieger
- Gregory W. Stull, Bachelor of Arts, 2010, Ohio Wesleyan University
 Major: *Botany*
 Dissertation: Phylogenomics and the Fossil Record of Icacinaceae, a Pantropical Angiosperm Clade
 Dissertation Chair: P. S. Soltis
 Dissertation Co-chair: S. R. Manchester
- Kathleen E. Sullivan, Bachelor of Science, 2004, Cornell University—New York; Master of Science, 2007, North Carolina State University
 Major: *Nutritional Sciences*
 Dissertation: Mitigating Iron Overload Disorder in Black Rhinoceros (*Diceros bicornis*)
 Dissertation Chair: M. D. Knutson
 Dissertation Co-chair: L. K. Warren
- Kairan Sun, Bachelor of Science, 2012, Fudan University—China; Master of Science, 2016, University of Florida
 Major: *Electrical and Computer Engineering*
 Dissertation: Multimedia Communications Using Network Coding Over Wireless Networks
 Dissertation Chair: D. Wu
- Henna Tangri, Bachelor of Technology, 2005, Punjab Technical University—India; Master of Science, 2010, University of Florida
 Major: *Chemical Engineering*
 Dissertation: Study of Packing and Hopper Discharge of Non-Spherical Particles
 Dissertation Chair: J. S. Curtis

Xi Tao, Bachelor of Engineering, 2011, University of Science & Technology of China

Major: *Computer Engineering*

Dissertation: Improving Memory Hierarchy Performance with DRAM Cache, Runahead Cache Misses, and Intelligent Row-Buffer Prefetches

Dissertation Chair: J. Peir

Sujan Timilsina, Bachelor of Science, 2010, Tribhuvan University–Nepal; Master of Science, 2013, University of Florida

Major: *Plant Pathology*

Dissertation: *Pseudomonas* Characterization and Population Studies of *Xanthomonas* From Florida

Dissertation Chair: G. E. Vallad

Dissertation Co-chair: J. B. Jones

Emmanuel Amable Torres Quezada, Ingeniero Agronomo, 2010, Universidad Nacional Pedro Henriquez Urena–Dominican Republic; Master of Science, 2012, University of Florida

Major: *Horticultural Sciences*

Dissertation: Optimization of Early Yield Production for Strawberry Transplants in Florida

Dissertation Chair: L. Zotarelli

Gregory Gene Toth, Bachelor of Arts, 1999, Juris Doctor, 2016, University of Florida

Major: *Forest Resources and Conservation*

Dissertation: Evaluation of Factors Influencing Agroforestry Adoption: Case Studies From Malawi

Dissertation Chair: R. P. Nair

Alison Ann Trachet, Bachelor of Science in Civil Engineering *summa cum laude*, 2006, University of Florida; Master of Science, 2008, University of Texas at Austin

Major: *Materials Science and Engineering*

Dissertation: The High Strain Rate Behavior of Silicon Carbide Ceramics

Dissertation Chair: G. Subhash

Judith Carol Traveis, Bachelor of Arts, 1993, Master of Science in Recreational Studies, 1999, University of Florida

Major: *Higher Education Administration*

Dissertation: Emotional Intelligence and Leadership Style Among Athletic Directors as Perceived by Academic Advisors

Dissertation Chair: L. S. Behar-Horenstein

Dissertation Co-chair: R. C. Wood

Tracy Lee Gault Ulrich, Bachelor of Arts in Education, 2006, Master of Education, 2007, University of Florida

Major: *Special Education*

Dissertation: Number Foundations: Magnitude Understanding for Preschool Students at Risk for Mathematics Learning Disabilities

Dissertation Chair: C. C. Griffin

Dissertation Co-chair: M. A. Conroy

Jeffrey R. Vadala, Bachelor of Science in Anthropology, 2005, University of California at Riverside; Master of Arts, 2009
2009, California State University at Los Angeles

Major: *Anthropology*

Dissertation: Analysis of Ancient Maya Caching Events at Cerros, Belize: Networks of Practice, Temporality and Social Fields in the Late Preclassic Period

Dissertation Chair: S. D. Gillespie

Dissertation Co-chair: S. Milbrath

Silvia Joao Sineiro Vau, Licenciada em Biologia, 2002, Universidade de Aveiro–Portugal; Mestrado, 2011, Universidade do Algarve–Portugal

Major: *Entomology and Nematology*

Dissertation: Mi-1 Gene for Management of Root Knot Disease in Florida Field and Growth Chamber Evaluations

Dissertation Chair: D. W. Dickson

Sudarsan VenkatRamani, Master of Science, 2011, Universite de Lille 1 and Universitat Leipzig

Major: *Chemistry*

Dissertation: Group V (Nb, Ta) Alkyl Complexes and Group VI (W) Alkylidenes and Alkylidyne Supported by Trianionic Pincer-Type ONO Ligands

Dissertation Chair: A. S. Veige

- Andrea Villa Ruiz, Bachelor of Arts *magna cum laude*, 2004, Loras College—Iowa; Master of Arts, 2008, Master of Arts, 2010, University of South Florida
 Major: *Romance Languages–Spanish*
 Dissertation: Contrapunteo neobarroco entre la literatura y las artes visuales de Clarice Lispector, Cristina Rivera Garza, Laura Restrepo, Lygia Clark, Graciela Iturbide y Doris Salcedo: Aproximación a un nuevo discurso estetico en Latinoamérica
 Dissertation Chair: E. Barradas
- Laura M. Villada, Bachelor of Science in Materials Science and Engineering *cum laude*, 2012, Master of Science, 2014, University of Florida
 Major: *Materials Science and Engineering*
 Dissertation: Tough Amphiphilic Crosslinked Networks for Antifouling Applications
 Dissertation Chair: A. B. Brennan
- Rachel A. Wagner-Kaiser, Bachelor of Arts, 2010, Vassar College—New York; Master of Science, 2013, University of Florida
 Major: *Astronomy*
 Dissertation: Bayesian Analysis and Characterization of Multiple Populations in Galactic Globular Clusters
 Dissertation Chair: A. Sarajedini
- Chuan Wang, Bachelor of Natural Science, 2010, University of Science & Technology of China
 Major: *Statistics*
 Dissertation: Statistical Contributions to Agricultural Bioengineering with an Emphasis on Bayesian Modeling
 Dissertation Chair: N. A. Bliznyuk
- Di Wang, Bachelor of Engineering, 2007, Xidian University—China; Master of Science, 2010, University of Rochester—New York
 Major: *Electrical and Computer Engineering*
 Dissertation: Enabling Indoor Location Context Using Off-The-Shelf Smartphone Inertial Sensors
 Dissertation Chair: X. Li
- Jun Wang, Bachelor of Arts, 1999, Xiangtan University—China; Master of Science in Education, 2008, Southern Illinois University
 Major: *Special Education*
 Minor: *Research and Evaluation Methodology*
 Dissertation: The Relationship between General Teacher Professional Learning and Their Perceptions of Principal Leadership Practices and the Academic Achievement of Students with Disabilities
 Dissertation Chair: J. L. McLeskey
 Dissertation Co-chair: N. A. Gage
- Zeyu Wang, Bachelor of Management, 2010, Bachelor of Law, 2010, Tianjin University—China; Master of Construction Management, 2012, University of Southern California
 Major: *Design, Construction, and Planning*
 Dissertation: Artificial Intelligence Based Ensemble Model for Building Energy Prediction
 Dissertation Chair: R. S. Srinivasan
- Amal Asiri Wanigatunga, Bachelor of Science, 2006, Master of Public Health, 2011, University of Florida
 Major: *Epidemiology*
 Dissertation: The Influence of Structured, Long Term Exercise on Objectively Measured Daily Activity in Older Adults
 Dissertation Chair: T. M. Manini
- Donald Charles Watson Jr., Bachelor of Science in Civil Engineering *summa cum laude*, 2011, Master of Engineering, 2012, University of Florida
 Major: *Civil Engineering*
 Dissertation: Modeling and Estimation of Heavy Vehicle Effects on Two-Lane Highway Traffic Operations
 Dissertation Chair: S. S. Washburn
- Jessie M. Weir, Bachelor of Science, 2010, Master of Science, 2012, University of Florida
 Major: *Animal Sciences*
 Minor: *Soil and Water Science*
 Dissertation: Evaluating the Impact of Ammonia Emissions From Equine Operations on the Environment and Equine Welfare
 Dissertation Chair: C. L. Wickens

Matthew A. White, Bachelor of Arts *cum laude*, 1987, Master of Arts, 1988, University of Maryland; Master of Arts in Teaching, 1993, Johns Hopkins University–Maryland

Major: *History*

Dissertation: Making a Community Space for Science: William Wagner and the Wagner Free Institute of Science of Philadelphia, 1813 - 1912

Dissertation Chair: V. B. Smocovitis

William Cary Whiteford, Bachelor of Arts, 1984, Rollins College–Florida; Master of Arts in Urban and Regional Planning, 1986, University of Florida

Major: *Design, Construction, and Planning*

Minor: *Real Estate*

Dissertation: Can GeoDesign Save the World? A Framework and Methodology to Envision Smarter Cities

Dissertation Chair: C. Silver

Felicia A. Wider Lewis, Bachelor of Arts, 1999, University of Florida

Major: *Curriculum and Instruction*

Dissertation: Middle School Students Understanding of Variability

Dissertation Chair: S. G. Terzian

Dissertation Co-chair: T. Jacobbe

Devin Williams, Bachelor of Science, 2008, Master of Accounting, 2008, Brigham Young University–Utah

Major: *Business Administration–Accounting*

Dissertation: The Effect of Private-Company Auditors and PCAOB-Registered Firms on Audit Market Competition

Dissertation Chair: W. R. Knechel

Shuang Wu, Bachelor of Science, 2012, Kansas State University

Major: *Food Science*

Minor: *Animal Molecular and Cellular Biology*

Dissertation: Survival of Pathogens in Cookie Dough During Storage and Comparison of Detection Assays for Pathogens in Cookie Dough

Dissertation Chair: S. Ahn

Xi Xia, Bachelor of Natural Science Theoretical & Applied Mechanics, 2008, University of Science & Technology of China; Master of Science, 2010, University of Colorado at Boulder

Major: *Mechanical Engineering*

Dissertation: Unsteady Aerodynamics of a Flat Plate Wing and Lift Control of the Wing Using Synthetic Jets

Dissertation Chair: K. Mohseni

Luyi Yan, Bachelor of Science, 2010, Nanjing University–China

Major: *Physics*

Dissertation: Optical Properties of Cuprate Superconductors

Dissertation Chair: D. B. Tanner

Jihe Yang, Bachelor of Science, 2010, Kyung Hee University–South Korea; Master of Science, 2014, University of Florida

Major: *Physics*

Dissertation: Growth and Decay of Quantum Turbulence in Superfluid Liquid Helium Above 1 K

Dissertation Chair: G. G. Ihas

Xi Yang, Bachelor of Science, 2011, Nankai University–China

Major: *Chemistry*

Dissertation: Exploring the Diversity of Inorganic Click (iClick) Reactions

Dissertation Chair: A. S. Veige

Eunice Yacoba Yarney, Bachelor of Science, 2006, Kwame Nkrumah University of Science and Technology–Ghana; Master of Philosophy, 2008, University of Cambridge–United Kingdom; Master of Science, 2011, Technische Universität Dresden–Germany

Major: *Soil and Water Science*

Dissertation: Temporal and Spatial Variability of Irrigation Water Salinity and Effects of Irrigation Practices on Soil Salinity in the Tri-County Agricultural Area, Northeast Florida

Dissertation Chair: M. W. Clark

- Weimin Yuan, Bachelor of Agronomy, 2008, Master of Science, 2011, Nanjing Forestry University—China
 Major: *Entomology and Nematology*
 Dissertation: Evaluation of Resistance to Root-Knot Nematode in Peanut Cultivar-Tifguard
 Dissertation Chair: D. W. Dickson
- William J. Zaragoza, Bachelor of Science, 2009, Master of Science, 2012, University of Florida
 Major: *Soil and Water Science*
 Dissertation: Characterization of Interactions of Pathogens with Non-Canonical Hosts and Their Virulence Factors
 Dissertation Chair: M. Teplitski
 Dissertation Co-chair: P. C. Wilson
- Priscilla Zelaya, Bachelor of Arts in Education, 2011, Master of Education, 2012, University of Florida
 Major: *Agricultural Education and Communication*
 Dissertation: Small Scale Farmers Experiences and Perceptions of Farming and Agricultural Extension Services in the North Department of Haiti
 Dissertation Chair: A. M. Harder
 Dissertation Co-chair: T. G. Roberts II
- Hao Zhang, Bachelor of Science, 2010, Hong Kong Baptist University; Master of Science, 2013, University of Florida
 Major: *Mathematics*
 Dissertation: Modeling and Algorithm of Information Sharing in Inverse Problem
 Dissertation Chair: Y. Chen
- Xiaoyang Zhang, Bachelor of Science, 2011, Peking University—China; Master of Science, 2015, University of Florida
 Major: *Electrical and Computer Engineering*
 Dissertation: Robust Electrothermally Actuated Scanners for Fiberoptic Endoscopic Imaging and Wide-Angle Optics
 Dissertation Chair: H. Xie
 Dissertation Co-chair: S. J. Koppal
- Zuxiao Zhang, Bachelor of Science, 2009, Shandong University—China; Master of Natural Science, 2012, Shanghai Institute of Organic Chemistry—China
 Major: *Chemistry*
 Dissertation: Photo-Redox Catalyzed Radical Cascade Reactions: Efficient Methods to Construct Various Heterocycles Bearing CF₂H
 Dissertation Chair: W. R. Dolbier Jr.
- Ning Zhao, Bachelor of Natural Science, 2009, University of Science & Technology of China
 Major: *Chemistry*
 Minor: *Computer Science*
 Dissertation: Characterizing Structure Rearrangement and Fragmentation Kinetics for Biomolecules in Gas Phase by Spectroscopy
 Dissertation Chair: N. C. Polfer
- Yaozhou Zhu, Bachelor of Engineering, 2010, Shanghai Ocean University—China; Master of Science, 2013, Florida State University
 Major: *Food Science*
 Minor: *Food and Resource Economics*
 Dissertation: Developing High Flavor Quality Tomato Products
 Dissertation Chair: P. J. Sarnoski
- Yuyang Zou, Bachelor in Architecture, 2007, Huazhong University of Science and Technology—China; Master of Arts in Urban and Regional Planning, 2011, University of Florida
 Major: *Design, Construction, and Planning*
 Dissertation: Probabilistic Assessment of Multi-Natural Hazards for Property and Population a Case Study in Island County, Washington
 Dissertation Chair: P. D. Zwick

DOCTOR OF EDUCATION

Christopher R. Beland, Bachelor of Arts, 2003, Master of Education, 2007, University of Florida

Major: *Educational Leadership*

Dissertation: Verbal Persuasion and Educator Experience Effects on Elementary School Teacher Self-Efficacy
Dissertation Chair: L. B. Eldridge

Pamela Swilley Carswell, Bachelor of Arts in Education, 1992, University of North Florida; Master of Arts, 2001, University of Central Florida

Major: *Curriculum and Instruction*

Dissertation: Impact of Delivery Method on Student Success in Mathematics at a Rural Community College
Dissertation Chair: T. L. Adams

Jodi Lynn Cronin, Bachelor of Science, 2000, University of Central Florida; Master of Education, 2009, Florida Gulf Coast University

Major: *Educational Leadership*

Dissertation: A Case Study of Essential Components of School Success in a Turnaround School
Dissertation Chair: L. B. Eldridge

Deborah Darbonne, Bachelor of Science, 1994, Florida International University; Master of Science in Education, 1997, University of Miami–Florida

Major: *Curriculum and Instruction*

Dissertation: From Great to Good Principals Sensemaking of Student Performance Decline in Formerly High Achieving High Poverty Schools
Dissertation Chair: A. J. Adams

Jason A. Dodge, Bachelor of Arts *cum laude*, 2008, Master of Education, 2010, University of Florida

Major: *Higher Education Administration*

Dissertation: Remedial Testing and Placement as a Determinant of Student Persistence and Success
Dissertation Chair: D. A. Kramer

Helena Jennifer Fishbein, Bachelor of Arts *magna cum laude*, 2008, Master of Arts in Teaching, 2010, Colgate University–New York

Major: *Curriculum and Instruction*

Dissertation: Responses of Disengaged and Minoritized Haitian American Students in a Tenth Grade English and Intensive Reading Class to the Intentional Use of Culturally Relevant Literature
Dissertation Chair: E. Bondy

Mycal R. Hixon, Bachelor of Arts in Education, 2009, University of North Florida; Master of Education, 2012, University of Florida

Major: *Educational Leadership*

Dissertation: Mentoring Perceptions: A Case Study of At-Risk, African American Males Involved in a School-Based Mentoring Program and Their Perceptions of Mentoring
Dissertation Chair: B. Oliver
Dissertation Co-chair: L. B. Eldridge

Robin Lyn Livingston, Bachelor of Science, 2007, Florida State University; Master of Education, 2010, University of South Florida

Major: *Curriculum and Instruction*

Dissertation: Barriers to Leadership: A Qualitative Study of the Perceptions of Black Males Regarding Leadership Opportunities Through JROTC in a Charter High School
Dissertation Chair: A. J. Adams

Theresa Alene Nabavi, Bachelor of Arts in Education *cum laude*, 1997, Master of Education, 1998, University of Florida

Major: *Educational Leadership*

Dissertation: An Examination of Voluntary Prekindergarten as to Cost Effectiveness in a Selected School District
Dissertation Chair: R. C. Wood

Clayton Carl Nylund, Bachelor of Arts, 2007, University of Montana; Master of Arts in Education, 2011,
University of Phoenix—Arizona

Major: *Educational Leadership*

Dissertation: Adequate Funding for Primary Education in the Artibonite Department of Haiti

Dissertation Chair: R. C. Wood

Faye Allison Powell, Bachelor of Science in Education, 2005, Master of Education, 2007, University of Cincinnati—Ohio

Major: *Educational Leadership*

Dissertation: Teacher Attrition in Charter Schools

Dissertation Chair: D. Miller

Dissertation Co-chair: L. B. Eldridge

Jill Frenchman Storch, Bachelor of Arts in Education *cum laude*, 2001, Master of Education, 2002, University of Florida

Major: *Special Education*

Dissertation: Inclusion, Effective Practices, and Coaching in Early Childhood Education

Dissertation Chair: J. L. McLeskey

Katrina Allene Toth, Bachelor of Science, 2001, University of South Florida; Master of Education, 2011,
University of Tampa—Florida

Major: *Educational Leadership*

Dissertation: The Relationship Between Teacher Evaluation and Student Achievement in Middle School Physical Education

Dissertation Chair: L. B. Eldridge

DOCTOR OF AUDIOLOGY

James Barton Baker
Nicholas Tristan Demirtas

Debra Lynn Johnson
Celine Sin Yue Lai
Rachel L. Lamb

Giannetta Fiorella Messina Manzo
Véronique Rozon-Gauthier

DOCTOR OF PLANT MEDICINE

Gregory T. Kramer

Keumchul Shin

DOCTOR OF NURSING PRACTICE

Adriana Virginia Acosta Morris
Michael Deane Adalia
Natalie Kathleen Aguilar
Alyssa D. Alvarez
Brittney Rhianna Amador
Sarah Ruth Anderson
Hillary Megan Bailey
Sarah Elizabeth Bowermaster
Angela Ruth Brandon
Laurie Lee Buschini
Maria Jose Cabello
Cristina E. Camacho
Yaniret Tome Carmenate
Victoria Castellanos
Bryce Cameron Catarelli
Kayla Marie Clancy
Karen B. Colley
Lesley Allen Cooper
Lorena Roltsch Cornwell
Mallory G. Crownover

Theodore R. Dage
Kristina Kalle Darville
Enitan Oluwapelumi Ekwotafia
Abigail Margaret Elizabeth Eley
Melissa Usina Fogarty
Shama Rejeanne Gresseau
Sarah J. Harden
Monica Marie Hendrickson
Courtney Bourquardez Hogan
Michaela Katherine Hogan
Amber M. Hopcroft
Carrie M. Johnson
Alyssa Leigh Karow
Michelle K. Kessler
Robyn Adele Kittleson
Alyssa Jeanette Larsen
Whitney J. Leuenberger
Sarah Catherine Lower
Shannon Eileen Katilus Makovic
Rachelle E. Maracic

Sydney R. Mason
Jeanne R. McArthur-Tilley
Tonya Marie Melton
Katie Marie Murphy
Amanda Rose Nicholls
Clifford George Nunery
Yexica C. Perez
Jessica Seay Peters
Emma Suzanne Pierce
Gina-Marie N. Pires
Kathrine Rose Polistina
Christy Powell
Hanna E. Roberts
Sarah Marie Sercombe
Karah Cripe Sickler
Mallory McKie Stewart
Brett Marie Thompson
Deborah Iris Torres
Jodi Rene Toskich
Colleen E. Ugliano

Emily Anne Vitale
Deborah Lynne Walker

Tanya Marie Duffey Warner
Charles A. Whiting
Natasha Celest Woodham

Jessica Irene Wooten
Katie Lyn Youngblood

MASTER OF PHYSICIAN ASSISTANT STUDIES

Heidi C. Curry

Honors designations in this program are incomplete, tentative, may not properly represent a student's academic accomplishment and are subject to change. Final honor designations will be represented on the official diploma and on the transcript.

Professional Degrees

FREDRIC G. LEVIN COLLEGE OF LAW

PRESENTED AT SEPARATE CEREMONY

DEAN Laura A. Rosenbury

JURIS DOCTOR

Colette Briana Belboda-Harris
Hunter J. Daniel
Steven Patrick Hoffman

Connor McDavid Larkin
Eva Louise Lauer
Sashane McDonald
Drew Evan Moore

Derek K. Mountford
Angella Sanon
Reuben G. Silva



COLLEGE OF PHARMACY

DEAN Julie A. Johnson

DOCTOR OF PHARMACY

Kizito Oluwatosin Adejumo
Jeanette M. Bean
James Clyde Berryman Jr.
Dianna M. Bruzzone
Seline Busolo
Alfred James Caviel Jr.
Akhlacus Samad Chowdhury
Lisa Lei Chuk
Darlene Roque Cook
Elizabeth Daniel
Valerie D. Dias-Robinson
Anne Schock Erlich

George E. Gdovin
Joan Singletary Gittens
Jennifer Cecelia Green
Douglas A. Hoarle-Reuter Jr.
Nooria Noori Kanishka
Johanna Y. Kim
Bapi Raju V. Kurada
Thanh-Huyen D. Le
Hannah Le Ho
Gail D. Lee
Sharon Shu-Fen Liu
Donald Steven Lovelace
Dominique Manigat-Estimphile

Analee Marston
Johnna R. Melton
Jennifer Lyn Miller
Ronda Catherine Roberts
Myriam Samaan
Joyelin Samuel
Kathy Kieu-Loan Nguyen Sylvester
Karen Jean Tadlock
Nisha Thoonkuzhy
Jaycelle Faye Draug Turner
Jessica N. Wong-Flores
Shuo Zhang



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. 14 in U.S. News & World Report "Top Public Universities" (2016); No. 2 in the Fiske Guide to Colleges' list of Best Buys Among Publics (2016); No. 13 on the Forbes' list of Best Public Universities (2016); and No. 1 on Value Colleges list of Top 50 Best Value Colleges (2016).

Faculty

- UF has nearly 5,000 faculty members with distinguished records in teaching, research and service, including 36 Eminent Scholar chairs and 44 faculty elections to the National Academy of Sciences, Engineering, the Institute 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 applying for the fall 2016 freshman class had an average 4.35 GPA and an average SAT score of 1919.
- More than 1,285 International Baccalaureate students were enrolled in UF in March 2016. The freshman retention rate of 96 percent is among the highest in the country.
- Among AAU public universities, UF ranked first in master's degrees and second in bachelor's degrees awarded to Hispanic students in 2014.
- Sixty-seven percent of UF full-time freshmen graduate in four years, and 87 percent of UF freshmen graduate within six years (2008 cohort).
- Fifty-six percent of UF graduates start and graduate the university with no student-loan debt. For the remaining students, their average indebtedness is about \$21,028, as compared with the national average of over \$28,000 (2014-15).

UF

2016 FALL
COMMENCEMENT



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 2017.

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.



UF

Alma Mater

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

Milton Yeats