Commencement
In more than a decade as president of the University of Florida, Bernie Machen has grown and enhanced the university while putting it on a path to rise among the best public universities in the nation.

President Machen has expanded UF’s research operation, elevated its educational programs and increased access for students from a diversity of economic backgrounds. He has bolstered the university’s commitment to innovation, grown its endowment, and led a noted universitywide sustainability initiative.

Additionally, in 2013, President Machen launched UF on the nearly $1 billion UF Preeminence Plan to rise among the nation’s top public universities. As part of that plan, the university is hiring an estimated 120 new faculty members, with 40 hires already completed by summer 2014. The new faculty members, most of whom are at the midcareer level, are expected to help advance UF research in 26 areas of promise. The Preeminence Plan is supported by $150 million in combined state-university dollars and an $800-million fundraising campaign.

Milestones of President Machen’s tenure include:
- Growth in annual research funding from $470 million in 2003-04 to $641 million in fiscal year 2013.
- More than 3.1 million square feet in new construction on campus, including more than 628,000 square feet of new research space.
- Completion of UF’s $1.7 billion capital campaign in 2012, at the time the sixth-largest public university campaign in history.
- The Machen Florida Opportunity Scholars program, enabling the enrollment of more than 2,900 first-generation college students, with about 1,500 graduates so far.
- Development of the 40-acre public private partnership known as Innovation Square and the Innovation Hub technology incubator now housing more than two dozen spinoffs.
- Creation of the Bob Graham Center for Public Service, Claude D. Pepper Older Americans Independence Center, the UF Water Institute and other key university institutes and centers.

President Machen also significantly strengthened UF’s hospital and health science research operations, bringing together the UF Health Science Center and Shands Hospital under UF Health. He has added several major new medical research and care facilities, including the Biomedical Sciences Building, the Clinical and Translational Research Building and the UF Health Cancer Center. And he launched UF’s first major medical research facility outside Gainesville, the UF Research and Academic Center at Lake Nona’s Medical City near Orlando.

His educational enhancements include the spring-summer Innovation Academy for entrepreneurially-minded undergraduates; “What is The Good Life?”, the first of an anticipated four core classes forming a signature undergraduate curriculum; and the launch and growth of UF Online, one of the first programs in the nation to offer four-year fully online undergraduate degrees.

Prior to his arrival at UF, President Machen served for six years as president of the University of Utah, where he is credited with expanding the university’s health sciences program, stabilizing the university’s finances and bolstering diversity.

From 1995 to 1997, he was provost and executive vice president for academic affairs at the University of Michigan, and from 1989 until 1995, he served as dean of Michigan’s School of Dentistry. From 1983 to 1989, he was professor and associate dean at the University of North Carolina Chapel Hill’s School of Dentistry.

President Machen is a past president of the American Association of Dental Schools. He also served as a member of the board of trustees of the Salt Lake Olympic Organizing Committee. His additional positions in national higher education leadership include serving as a member of the National Security Higher Education Advisory Board; chairing the board of directors of the National Campus Compact and serving as president of the executive committee of the Southeastern Conference and chair of the Southeastern Conference Academic Consortium.

A native of Greenwood, Miss., President Machen grew up in St. Louis. After attending Vanderbilt University for his undergraduate studies, he earned his doctor of dental surgery degree from St. Louis University and his master’s degree in pediatric dentistry and doctorate in educational psychology from the University of Iowa. He and his wife, Chris, a former neonatal intensive care nurse, have two sons, a daughter, and four grandchildren.
On behalf of the University of Florida administration, faculty and staff, I want to extend my heartfelt congratulations to you, the doctoral graduates of the Class of 2014, and to your family and friends.

At the University of Florida, doctoral education is our spirit and our soul. It is who we are as a university, and has been since UF graduated its first doctoral students in 1934. Today’s ceremony celebrates your hard work and achievement in continuing this historic legacy. You should be proud, as should all who supported and assisted you in your efforts.

Today is a day of celebration, but it is also a day of reflection on what lies ahead. Whatever path you choose, I am confident you have acquired the skills and knowledge you need to be a success. Whether you pursue a career in public service, private industry, academe, the sciences or the arts, I know you will make a difference.

It has been a privilege and a pleasure to host you during your academic career. You have learned much, and this university has benefited in turn from your presence. I hope you will recall your years here with a sense that they were happy and productive. As members of UF’s distinguished alumni, and as graduates who have earned our highest degrees, you will always be cherished at the University of Florida.

Good luck and best wishes!

J. Bernard Machen
PHOTOGRAPHS — The university requests that all commencement guests remain in their seats while taking photographs; no guests are permitted in the graduates’ seating area. Photographs of the graduates as they cross the stage are available through companies that have contracts with the university. Color photographs are available from University Photography, PO Box 2454, Tuscaloosa, AL 35403-2454, 205-391-9500.
Commencement Agenda – August 8, 2014, 4:00 p.m.

Presiding ............................................................................................................................................... J. Bernard Machen
President

Processional ........................................................................................................................................... Gainesville Brass Quintet

National Anthem ..................................................................................................................................... Ronald Burrichter
Gainesville Brass Quintet

Welcome and Introductions .................................................................................................................... J. Bernard Machen

Commencement Address ...................................................................................................................... W. Craig Fugate
Administrator, Federal Emergency Management Agency

Presenting Candidates for Doctoral Degrees ......................................................................................... Paul Duncan
Associate Dean, Graduate School

Conferring of Doctoral Degrees ............................................................................................................. J. Bernard Machen

Alma Mater ..................................................................................................................................... Ronald Burrichter
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 the 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.
Wildfires, mudslides, hurricanes, tornados, blizzards, floods, droughts — W. Craig Fugate knows firsthand the devastation caused by disasters. As administrator of the Federal Emergency Management Agency (FEMA), it is his job to help communities and families recover from catastrophes.

Mr. Fugate became FEMA’s administrator in 2009. In that role, he has reshaped the once-maligned agency. Among his initiatives, Mr. Fugate has pushed for shared responsibility to emergency management, in which local, state and federal agencies collaborate with volunteers, churches and other groups. FEMA is implementing a National Preparedness System to address America’s most significant risks and is working with all levels of government to adapt to climate change. In addition, FEMA has created a process for communities to rebuild stronger, smarter and safer after a disaster.

Prior to joining FEMA, Mr. Fugate was director of the Florida Division of Emergency Management, during which time he was the coordinating officer for 11 declared disasters and $4.5 billion in federal disaster assistance. In 2004, he managed the largest federal disaster response in Florida’s history when four major hurricanes — Charley, Frances, Ivan and Jeanne — made landfall. A year later, Katrina and two other storms hit the state. Hurricane Katrina’s worst damage was to Florida’s sister states along the Gulf of Mexico, and Mr. Fugate led Florida’s massive mutual aid response. Under his leadership, the Florida Division of Emergency Management became the nation’s first statewide program of its kind to receive full accreditation.

Mr. Fugate began his emergency management career as a volunteer firefighter, paramedic and lieutenant with the Alachua County Fire Rescue. Eventually, he moved from exclusive fire rescue operations to emergency manager for the county. He remained in that position for a decade until 1997 when he was appointed the Florida Division of Emergency Management’s bureau chief for preparedness and response. In 1998, as chief of the State Emergency Response Team, his team was active for more than 200 days because of floods, tornados, wildfires and Hurricane Georges.

Mr. Fugate and his wife, Sheree, are from Gainesville.
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.
Juan José Acosta Jaramillo, Titulo de Ingeniero Forestal, 2004, Universidad Nacional—Colombia
	Major:  Forest Resources and Conservation
	Minor:  Statistics

Dissertation: High-Throughput Genotyping by Target Sequence Enrichment, Genetic Diversity, and Genome-Wide Selection Studies in Pines and Eucalyptus

Dissertation Chair: M. Kirst

Ashima Aggarwal, Bachelor of Elementary Education, 2008, University of Delhi—India; Master of Arts, 2009, Jawaharlal Nehru University—India
	Major:  Linguistics

Dissertation: Testing Acquisition of L2 Hindi Voicing and Aspiration Contrasts: A Comparison From Multiple L1s

Dissertation Chair: C. R. Wiltshire

Sankaraleengam Alagapan, Bachelor of Engineering, 2007, Anna University—India; Master of Science, 2008, University of Florida
	Major:  Biomedical Engineering

Dissertation: Information Propagation in In Vitro Networks of Neurons with Engineered Feedforward Structures

Dissertation Chair: B. Wheeler

Dylan P. Alexander, Bachelor of Science in Aerospace Engineering cum laude, 2008, Master of Science, 2010, University of Florida
	Major:  Aerospace Engineering

Dissertation: Design, Reliability-Based Optimization, and Fabrication of a Piezoresistive Microelectromechanical Microphone with Back-Side Contacts for Aeroacoustics Applications

Dissertation Chair: M. Sheplak

Adele A. AlGhamedei, Bachelor of Arts in Special Education, 2001, King Saud University—Saudi Arabia; Master of Arts in Speech Therapy, 2004, University of Jordan
	Major:  Communication Sciences and Disorders

Dissertation: Stuttering-Related Knowledge, Feelings, and Practices Among Elementary School Teachers and School Counselors in Saudi Arabia

Dissertation Chair: K. J. Logan

	Major:  Psychology—Clinical and Health Psychology

Dissertation: Cognitive-Motivational Influences on Health Behavior Change in Chronic Pain

Dissertation Chair: M. E. Robinson

Christine Angelini, Bachelor of Science in Marine Biology, 2007, Brown University—Rhode Island
	Major:  Zoology

Dissertation: Foundation Species as Drivers of Ecosystem Structure, Multifunctionality, and Resilience

Dissertation Chair: B. Silliman

Kristen L. Apraiz, Bachelor of Science in Mathematics Education, 2003, Master of Science in Mathematics Education, 2004, Florida State University
	Major:  Curriculum and Instruction

Dissertation: The Effect of a Mathematical Task Focused Intervention on Prospective Elementary School Teachers Beliefs About Mathematics Instruction

Dissertation Chair: T. Jacobbe
Akiko Arai, Bachelor of Law, 2007, Keio University—Japan; Master of Science, 2010, University of Florida  
Major: Health and Human Performance  
Minor: Marketing  
Dissertation: How Do Athlete Scandals Affect Consumers’ Self-Concept? Self-Brand Connection and Self-Construal Perspective  
Dissertation Chair: Y. J. Ko

Stephen Hugo Arce, Bachelor of Science, 2005, Master of Engineering, 2008, University of Florida  
Major: Chemical Engineering  
Dissertation: The Multidisciplinary Perspective of Cell Shape  
Dissertation Chair: Y. Tseng

Mian Muhammad Asim, Master of Arts, 1996, University of the Punjab—Pakistan; Master of Arts in Communication, 2002, California State University at Fullerton  
Major: Mass Communication  
Dissertation: Cross Cultural Political Persuasion: Assessing the Moderating Role of Religiosity, Party Affiliation, and Ethnic Identification on Candidate Evaluation  
Dissertation Chair: T. R. Elias  
Dissertation Co-chair: J. D. Morris

Khalid A. Askar, Bachelor of Science in Chemical Engineering, 2010, Purdue University—Indiana; Master of Science, 2013, University of Florida  
Major: Chemical Engineering  
Dissertation: Simple and Scalable Self-Assembly of Silica Nanoparticles  
Dissertation Chair: P. Jiang

Burak Aydin, Lisans Diplomasi, 2006, Kocaeli Universitesi—Turkey; Master of Arts in Education, 2010, University of Florida  
Major: Research and Evaluation Methodology  
Minor: Statistics  
Dissertation Chair: W. Leite

Dominique Carlo Badoer, Diploma in Mathematics, 2006, The Swiss Federal Institute of Technology at Zurich—Switzerland  
Major: Business Administration—Finance  
Dissertation: Essays in Debt Structure and Maturity Structure  
Dissertation Chair: C. M. James

Jungah Bae, Bachelor of Arts, 1996, Master of Arts, 2001, Ewha Womans University—South Korea  
Major: Special Education  
Minor: Research and Evaluation Methodology  
Dissertation Chair: C. C. Griffin

Sayan Banerjee, Bachelor of Engineering, 2006, University of Pune—India; Master of Science, 2010, University of Florida  
Major: Mechanical Engineering  
Dissertation: Thermo-Mechanical Characterization of Hybrid Composites Using Finite Element Based Micromechanics  
Dissertation Chair: B. V. Sankar

Chumki Banik, Master of Science in Agriculture, 2007, Calcutta University—India  
Major: Soil and Water Science  
Dissertation: Mechanistic Linkages Between Water Saturation and Organo-Metal Interactions in Sandy Coastal Plain Soils  
Dissertation Chair: W. G. Harris

Christian Alberto Barrientos, Licenciado en Biologia, 1999, Universidad de San Carlos de Guatemala; Master of Science, 2005, University of Florida  
Major: Fisheries and Aquatic Sciences  
Dissertation: Life History Variation and Artisanal Fishery Assessment in Giant Cichlid (Petenia Splendida Gunther 1862) in Northern Mesoamerican Lakes  
Dissertation Chair: J. Hill
Aline Bergesch Barth, Titulo de Farmaceutico, 2007, Titulo de Mestre em Ciencias Farmaceuticas, 2010, Universidade Federal do Rio Grande do Sul—Brazil

**Major:** Pharmaceutical Sciences—Pharmacy

Dissertation: Levofloxacin Dose Optimization for Multidrug-Resistant Tuberculosis Based on Lung Microdialysis in Patients

Dissertation Chair: H. C. Derendorf

Dissertation Co-chair: C. A. Peloquin

Luke Allen Beggs, Bachelor of Science in Biology, 2008, Master of Science in Kinesiology, 2010, University of Kentucky

**Major:** Health and Human Performance

Dissertation: Anti-Sclerostin Antibody for the Treatment of Bone Loss in a Rodent Model of Spinal Cord Injury

Dissertation Chair: S. E. Borst

Amber E. Benedict, Bachelor of Arts in Elementary Education, 2004, Master of Arts in Education, 2006, University of Northern Iowa

**Major:** Special Education


Dissertation Chair: M. T. Brownell

Crystal Gail Bennett, Bachelor of Nursing, 1997, University of West Florida; Master of Science in Nursing, 2003, University of South Alabama

**Major:** Nursing Sciences

**Minor:** Aging

Dissertation: Effects of Line Dancing on Physical Function and Disability in Older Adults with Mobility Difficulty

Dissertation Chair: B. L. Roberts

Ekaterina Berezina, Diploma, 2006, Penza State University—Russia; Master of Science, 2010, University of Delaware

**Major:** Health and Human Performance

Dissertation: Flash Sales: An Inventory Distribution and Marketing Channel. Does It Work?

Dissertation Chair: K. J. Semrad

Sarah T. Berger, Bachelor of Science, 2007, Ohio Northern University; Master of Science, 2011, University of Florida

**Major:** Agronomy

Dissertation: Palmer Amaranth Competitive Physiology

Dissertation Chair: J. A. Ferrell

Dissertation Co-chair: D. Rowland

Christopher Stewart Besser, Bachelor of Arts in History, 2000, University of Alaska at Fairbanks; Master of Health Administration, 2008, Baylor University—Texas

**Major:** Health Services Research

Dissertation: An Impact Assessment Including a Behavioral Health Provider Within the Structure of the Army Patient Centered Medical Home Model: A Longitudinal Study

Dissertation Chair: J. S. Harman

Hrishi Padmakar Bhase, Master of Science, 2010, University of Florida

**Major:** Chemistry

Dissertation: NMR Studies of Diffusion in Unidimensional Nanochannel Materials Using Hyperpolarized Tracer Exchange NMR

Dissertation Chair: C. R. Bowers

Mary Elizabeth Hallan Birkner, Bachelor of Arts, 2002, Denison University—Ohio; Master of Music, 2004, University of Florida

**Major:** Music Education

Dissertation: A Flute Skills Guidebook Based on Current Practices at Selected Colleges and Universities in the United States

Dissertation Chair: R. L. Robinson

Trent Duane Blare, Bachelor of Science, 2004, University of Nebraska at Lincoln; Master of Science, 2010, University of Florida

**Major:** Food and Resource Economics

Dissertation: Ecuadorian Cacao: Decision Making, Gender, and Sustainability

Dissertation Chair: M. P. Useche
Daniel Alan Blood, Bachelor of Science in Mechanical Engineering magna cum laude, 2010, Valparaiso University—Indiana; Master of Science, 2012, University of Florida
Major: Mechanical Engineering
Dissertation: Simulation, Part Path Correction, and Automated Process Parameter Selection for Ultrashort Pulsed Laser Micromachining of Sapphire
Dissertation Chair: M. Sheplak

Mary Caroline Boyd, Bachelor of Science in Natural Resources magna cum laude, 2004, North Carolina State University; Master of Science, 2009, University of Florida
Major: Environmental Engineering Sciences
Dissertation: The Ecology and Ecosystem Services of Gulf Coast Type Phragmites Australis (Common Reed) in Non-Tidal Freshwater Ecosystems.
Dissertation Chair: M. T. Brown

Shana L. Boyle, Bachelor of Science summa cum laude, 2008, Master of Science, 2011, University of Florida
Major: Psychology—Clinical and Health Psychology
Dissertation: Influence of Patient and Healthcare Trainee Characteristics on Assessment and Treatment Decisions for Pediatric Chronic Pain Patients: A Virtual Human Technology Investigation
Dissertation Chair: D. M. Janicke

Robin Brooks, Bachelor of Arts in English magna cum laude, 2003, Florida State University; Master of Arts in African-American Studies, 2005, University of Wisconsin at Madison
Major: English
Dissertation: Class Interruptions: Cross-Class Relationships in Contemporary African American and Caribbean Women’s Literature
Dissertation Chair: L. R. Rosenberg

Julie Catherine Brown, Bachelor of Science in Animal Science, 2003, University of Rhode Island; Master of Education, 2006, University of Florida
Major: Curriculum and Instruction
Dissertation: Designing for Culturally Responsive Science Education Through Professional Development
Dissertation Chair: K. J. Crippen

Zachary Lee Bryan, Bachelor of Science in Materials Science and Engineering summa cum laude, 2009, University of Florida
Major: Materials Science and Engineering
Dissertation: Microstructural Design of Magnesium Alloys for Elevated Temperature Performance
Dissertation Chair: M. V. Manuel

Eva Ann Buckner, Bachelor of Science in Biology summa cum laude, 2006, Armstrong Atlantic State University—Georgia; Master of Science, 2009, University of Georgia
Major: Entomology and Nematology
Dissertation: The Larval Environment and Vector Competence of Aedes Aegypti and Aedes Albopictus Mosquitoes for Dengue-1 Virus
Dissertation Chair: L. P. Lounibos
Dissertation Co-chair: B. W. Alto

Richard J. Buning Jr., Bachelor of Business Administration, 2007, Georgia State University; Master of Science, 2010, University of Florida
Major: Health and Human Performance
Minor: Family, Youth, and Community Development
Dissertation: The Evolution of Active Sport Event Travel Careers Through Cycling Tourism
Dissertation Chair: H. J. Gibson

Erin Leigh Bunting, Bachelor of Science cum laude, 2006, Master of Science, 2009, University of Florida
Major: Geography
Minor: Climate and Ecosystem Modeling
Dissertation Chair: J. Southworth
Oliver Towns Burgess, Bachelor of Science in Marine Science, 2001, University of South Carolina at Columbia; Master of Science, 2008, University of Florida
Major: Fisheries and Aquatic Sciences
Dissertation: Response of Aquatic Communities to Pulp and Paper Discharge Relocation Into the St. Johns River, Florida
Dissertation Chair: C. E. Cichra

Margaret L. Burns, Bachelor of Science, 1982, Illinois State University; Master of Public Administration, 1990, University of West Florida; Master of Science in Nursing, 1996, University of South Alabama; Master of Business Administration, 1998, University of West Florida
Major: Nursing Sciences
Minor: Pain and Aging
Dissertation: The Use of Self-Performed Acupressure for Osteoarthritis Knee Pain and Disability Reduction
Dissertation Chair: B. L. Roberts

Samriddhi Buxy, Bachelor of Engineering, 2008, Pandit Ravishankar Shukla University—India
Major: Agricultural and Biological Engineering
Dissertation: Anaerobic Digestion of Terrestrial and Aquatic Biomass
Dissertation Chair: P. C. Pullammanappallil
Dissertation Co-chair: J. S. Curtis

Zhuangyu Cai, Bachelor of Science, 1985, Nanchang University—China; Master of Public Health, 2009, Master of Science, 2012, University of Florida
Major: Biostatistics
Dissertation: Conditional Pseudo-Likelihood and Generalized Linear Mixed Model Methods to Adjust for Confounding Due to Cluster
Dissertation Chair: B. Brumback

Jason A. Cain, Bachelor of Science, 2003, Middle Tennessee State University; Master of Arts in Mass Communication, 2008, Texas State University at San Marcos
Major: Mass Communication
Dissertation: Social Network Sites, Commerce, and Perceptions of Personal Information Online
Dissertation Chair: C. Armstrong

Edward Vincent Camp, Bachelor of Arts, 2005, Gordon College—Massachusetts; Master of Science, 2010, University of Florida
Major: Fisheries and Aquatic Sciences
Dissertation Chair: K. Lorenzen
Dissertation Co-chair: S. L. Larkin

Mauro Carassai, Laurea in Lingue e Letterature Straniere Moderne, 2005, University of Macerata—Italy; Master of Arts, 2007, University of Leeds—United Kingdom
Major: English
Dissertation: A Digital Media Poetics
Dissertation Chair: G. L. Ulmer

Flávio Sêga Pereira Cardoso Sr., Bacharel em Quimica, 2009, Universidade Estadual de Campinas—Brazil
Major: Chemistry
Dissertation: Development of a New Class of Atropisomers
Dissertation Chair: A. S. Aponick

Roger Edward Carey, Bachelor of Arts, 1989, Earlham College—Indiana; Master of Arts in History, 2003, University of Nevada at Las Vegas
Major: History
Dissertation Chair: M. Jacobs

Haley E. Carpenter, Bachelor of Science summa cum laude, 2010, University of Florida
Major: Medical Sciences—Neuroscience
Dissertation: Age-Related Changes in the Cellular and Synaptic Physiology of Cortical Memory Networks
Dissertation Chair: C. J. Frazier

Major: Design, Construction and Planning
Dissertation Chair: R. J. Ries

Robert Lee Cavazos, Bachelor of Arts, 2005, Master of Arts, 2008, Texas Tech University

Major: Sociology
Dissertation: The Demise and Depletion of the Ogallala Aquifer Within the South Plains of Texas
Dissertation Chair: S. G. Perz

Pasicha Chaikaew, Bachelor of Business Administration, 2004, Maejo University—Thailand; Master of Science in Natural Resource Management, 2005, Mahidol University—Thailand

Major: Soil and Water Science
Dissertation: Assessment of Climate Regulation, Carbon Sequestration, and Nutrient Cycling Ecosystem Services Impacted by Multiple Stressors
Dissertation Chair: S. Grunwald

Srikar Chamala, Bachelor of Science in Bioinformatics university honors with thesis, 2006, Brigham Young University—Utah; Master of Science in Bioinformatics, 2008, University of Illinois at Urbana-Champaign

Major: Botany
Dissertation: The Amborella Genome and the Evolution of Alternative Splicing Across Eudicots
Dissertation Chair: W. B. Barbazuk

Nitin Chandola, Bachelor of Engineering, 2007, University of Pune—India; Master of Science, 2009, University of Florida

Major: Mechanical Engineering
Dissertation: Multi-Scale Modeling of Deformation of a Magnesium Alloy
Dissertation Chair: O. Cazacu

Eileen I-Ling Chang, Bachelor of Science in Chemistry, 2005, Georgia Institute of Technology

Major: Medical Sciences—Physiology and Pharmacology
Dissertation: The Role of Ketamine in Hypoxic Hypoxia Induced Inflammation and Apoptosis in Fetal Ovine Brain and Kidneys
Dissertation Chair: C. E. Wood

Bei Chen, Diploma of Specialist, 2008, Far Eastern National University—Russia

Major: Medical Sciences—Physiology and Pharmacology
Dissertation: The Impact of Aging and Exercise Training on the Coronary Circulation
Dissertation Chair: J. M. Muller Delp

Si Chen, Bachelor of Arts, 2008, Beijing International Studies University—China; Master of Arts, 2010, Master of Statistics, 2014, University of Florida

Major: Linguistics
Minor: Statistics
Dissertation: A Phonetic and Phonological Investigation of the Tone System of Chongming Chinese
Dissertation Chair: C. R. Wiltshire
Dissertation Co-chair: R. Wayland

Wenchao Chen, Bachelor of Engineering, 2006, Xi’an Jiao Tong University—China; Master of Engineering, 2009, Shanghai Jiaotong University—China

Major: Electrical and Computer Engineering
Dissertation: Modeling, Physics, and Simulation of Nano-Scale Electronic Devices
Dissertation Chair: J. Guo

Elsa Daniela Chevasco Molina, Licenciada en Ciencias Biologicas, 2006, Pontificia Universidad Catolica del Ecuador; Master of Arts, 2009, Brandeis University—Massachusetts

Major: Interdisciplinary Ecology
Dissertation Chair: P. J. Minogue
Tsu-wu Chiang, Bachelor of Science, 2005, Master of Science, 2007, National Central University—Taiwan
Major: Materials Science and Engineering
Dissertation: Computation Studies of Vacancy and Void Defects Interactions in Polycrystalline UO2
Dissertation Chair: S. R. Phillpot

Ryan K. Chilton, Bachelor of Science in Mechanical Engineering cum laude, 2008, Master of Science, 2010, University of Florida
Major: Mechanical Engineering
Dissertation: An Intuitive Sensory Substitution System for the Visually Impaired Using Tactile Feedback
Dissertation Chair: C. D. Crane

Alyssa Heh-soon Cho, Bachelor of Science, 2008, University of Hawaii at Manoa; Master of Science, 2010, University of Florida
Major: Agronomy
Dissertation: Agronomic Improvement of Peanut (Arachis Hypogaea L.) and Cassava (Manihot Esculenta Crantz) Based Cropping Systems for Smallholder Farmers in Guyana and Vietnam
Dissertation Chair: G. MacDonald

Hee Min Choi, Bachelor of Science, 2009, Yonsei University—South Korea
Major: Statistics
Dissertation: Convergence Analysis of Gibbs Samplers for Bayesian Regression Models
Dissertation Chair: J. P. Hobert

Iek Heng Heng Chu, Master of Science, 2010, University of Florida
Major: Physics
Dissertation: Computational Studies of Excited States and Electron Transfer in Nanoscale Materials
Dissertation Chair: H. Cheng

Jessica L. Clawson, Bachelor of Arts in English, 2004, College of William and Mary—Virginia; Master of Arts, 2008, University of Florida
Major: Curriculum and Instruction
Minor: History
Dissertation Chair: S. G. Terzian

Galaxia Andrea Cortés Hinojosa, Licenciado en Medicina Veterinaria, 2006, Titulo de Medico Veterinario, 2006, Universidad de Chile
Major: Veterinary Medical Sciences
Dissertation: Adenoviruses in Pinnipeds California Sea Lion Adenovirus 1 in California Sea Lions (Zalophus Californianus) and the Diversity of Adenoviruses in Otarid Seals
Dissertation Chair: J. F. Wellehan

Antonio Manuel Crespo Ampudia, Titulo de Biologo, 2001, Universidad del Azuay—Ecuador; Master of Science, 2004, Munich University of Technology—Germany
Major: Interdisciplinary Ecology
Dissertation: Direct Seeding with Native Trees in South Central Ecuador: Enhancing Restoration Potential with Local Knowledge
Dissertation Chair: C. H. Reinhardt Adams

Sharron L. Cuthbertson, Bachelor of Science in Early Childhood Endorsement, 1997, University of Michigan at Flint; Master of Science, 2004, Nova Southeastern University—Florida
Major: Special Education
Dissertation: Voluntary Prekindergarten Teachers’ Judgments of the Acceptability, Feasibility, and Current Use of Social Skills Strategies in Inclusive Classrooms
Dissertation Chair: H. A. Jones

Cong Dinh Dang, Bang Tot Nghiep Dai Hoc, 2008, Hanoi University of Technology—Vietnam
Major: Industrial and Systems Engineering
Dissertation: First Order Methods for Convex and Nonconvex Optimization
Dissertation Chair: G. Lan
Eileen Matias Davis, Artium Baccalaureus in Psychology, 2006, Harvard University—Massachusetts; Master of Science, 2010, University of Florida
Major: Psychology—Clinical and Health Psychology
Dissertation: Perceived Barriers and Parental Adherence to Recommendations Following Child Psychological Assessment
Dissertation Chair: B. A. Wiens

Michelle C. Davis, Bachelor of Science, 2005, Eckerd College—Florida
Major: Veterinary Medical Sciences
Dissertation: Relatedness, Inbreeding, and Kinship of the Endangered Florida Manatee (Trichechus Manatus Latirostris)
Dissertation Chair: R. K. Bonde
Dissertation Co-chair: M. E. Kellogg Hunter

Robert Joel Deacon, Bachelor of Arts in English, 2005, University of North Florida; Master of Arts, 2011, University of Florida
Major: Linguistics
Dissertation: Adpositions in Distributed Morphology: The Nature of Roots and Categorial Heads
Dissertation Chair: B. M. Henderson

Joseph T. Decker, Bachelor of Science in Biomedical Engineering, 2010, University of Wisconsin at Madison; Master of Science, 2012, University of Florida
Major: Materials Science and Engineering
Dissertation: A Predictive Model for the Antifouling Efficacy of Engineered Microtopographies
Dissertation Chair: A. B. Brennan

Philip Chris Delcher, Bachelor of Science in Biological Sciences, 1996, Florida State University; Master of Science in Environmental Science, 2003, University of North Carolina at Chapel Hill
Major: Epidemiology
Dissertation: Prescription Drug Monitoring Programs and Doctor Shopping: An Epidemiologic Perspective in Person, Place, and Time
Dissertation Chair: M. Maldonado-Molina

Bowen Deng, Bachelor of Engineering, 2009, Beijing University of Chemical Technology—China
Major: Materials Science and Engineering
Dissertation: Thermal Transport at Dislocation and Interfaces by Atomistic Simulation
Dissertation Chair: S. R. Phillpot

Anna Carolina Denicol, Titulo de Medico Veterinario, 2003, Universidade Federal do Rio Grande do Sul—Brazil; Master of Preventative Veterinary Medicine, 2009, University of California at Davis
Major: Animal Molecular and Cellular Biology
Dissertation: Regulation of Development and Survival of the Preimplantation Bovine Embryo by the Canonical Wnt Signaling Pathway and Its Secreted Antagonist Dickkopf 1
Dissertation Chair: P. J. Hansen

Ana Maria Diaz Collazos, Licenciada en Literatura, 2003, Universidad del Valle—Colombia; Magister en Linguistica Espanola, 2009, Instituto Caro y Cuervo—Colombia
Major: Romance Languages—Spanish
Dissertation: Sociolinguistic Development of the Voseo in the Colombian Highland (1555-1976)
Dissertation Chair: D. A. Pharies

Chao Ding, Bachelor of Science, 2008, Sun Yat-Sen University—China; Master of Science in Economics, 2009, Hong Kong University of Science and Technology
Major: Business Administration—Information Systems and Operations Management
Dissertation: Essays on E-Commerce
Dissertation Chair: H. K. Cheng

Yezhang Ding, Bachelor of Agronomy, 2002, Master of Agronomy, 2005, Nanjing Agricultural University—China
Major: Microbiology and Cell Science
Dissertation: Identification and Characterization of New Components of the Salicylic Acid Signaling Pathway in Arabidopsis
Dissertation Chair: Z. Mou
<table>
<thead>
<tr>
<th>Name</th>
<th>Degree(s)</th>
<th>Major</th>
<th>Dissertation Title</th>
<th>Dissertation Chairs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dmitri Alexandrovich Dranishnikov</td>
<td>Bachelor of Science cum laude, 2008, Master of Science, 2013, University of Florida</td>
<td>Computer Engineering</td>
<td>Bayesian Hyperspectral Unmixing with Multivariate Beta Distributions</td>
<td>P. D. Gader</td>
</tr>
<tr>
<td>Esmeralda Duarte</td>
<td>Bachelor of Arts in Psychology, 1999, University of California at Riverside; Master of Arts, 2001, Stanford University—California</td>
<td>Romance Languages—Spanish</td>
<td>Resistencia al Neoliberalismo y la Mujer en las Cronicas de Cristina Pacheco</td>
<td>E. Barradas</td>
</tr>
<tr>
<td>Nour Ezziddin El Bashiti</td>
<td>Bachelor of Arts in English for Specific Purposes, 2003, Jordan University of Science and Technology; Master of Arts in Speech Therapy, 2005, University of Jordan</td>
<td>Communication Sciences and Disorders</td>
<td>The Effectiveness of the Acoustic Measure A1-Pn in Predicting Perceptual Judgments of Hypernasality</td>
<td>W. N. Williams</td>
</tr>
<tr>
<td>Trenton Wayne Elkins</td>
<td>Bachelor of Science in Chemical Engineering summa cum laude, 2010, University of Alabama</td>
<td>Chemical Engineering</td>
<td>Catalyst Development for the Oxidative Coupling of Methane Utilizing Rare-Earth Oxide Based Catalysts</td>
<td>H. E. Hagelin-Weaver</td>
</tr>
<tr>
<td>Filiz Naz Erenguc</td>
<td>Bachelor of Science in Health Science Education, 2005, Master of Science, 2008, University of Florida</td>
<td>Health and Human Performance</td>
<td>Complementary and Alternative Medicine: Current Trends and Predicting Future Use</td>
<td>W. W. Chen</td>
</tr>
<tr>
<td>Nathan L. Ewigman</td>
<td>Bachelor of Arts in Psychology, 2006, Knox College—Illinois; Master of Science, 2009, Master of Public Health, 2011, University of Florida</td>
<td>Psychology—Clinical and Health Psychology</td>
<td>The Diagnosis and Treatment of Anger in Outpatient Medical Settings</td>
<td>J. A. Gylys</td>
</tr>
<tr>
<td>Michael A. Faraone</td>
<td>Bachelor of Science in Civil Engineering, 2007, Master of Engineering, 2009, University of Florida</td>
<td>Civil Engineering</td>
<td>Development of Geostatistical Analysis for Reliability Based Design of Foundations</td>
<td>M. C. McVay</td>
</tr>
</tbody>
</table>
Jake Moran Ferguson, Bachelor of Science, 2002, University of Washington-Seattle; Master of Science in Physics, 2005, University of Massachusetts at Amherst; Master of Science, 2008, Montana State University—Bozeman

Major: Zoology
Dissertation: Stochastic Models for the Growth Rate of Animal Populations: Variance Scaling and Decomposition
Dissertation Chair: J. M. Ponciano
Dissertation Co-chair: S. McKinley

Gabrielle Alexandra Ferro, Bachelor of Science in Business Administration, 2008, Master of Science, 2010, University of Florida

Major: Food and Resource Economics
Dissertation: Three Essays on the Impact of United States Welfare Programs on Individuals Behavior
Dissertation Chair: J. D. Kropp
Dissertation Co-chair: K. A. Grogan

Erica Nan Feuerbacher, Bachelor of Arts in Spanish, 1997, Bachelor of Science in Biology, 1997, Arizona State University; Master of Science in Behavioral Services, 2009, University of North Texas

Major: Psychology
Dissertation: Functions of Human Social Interaction for Domestic Dog Behavior
Dissertation Chair: C. D. Wynne
Dissertation Co-chair: J. Dallery

Pamela J. Fletcher, Bachelor of Science in Aquaculture and Fishery Technology, 1992, Bachelor of Arts in Marine Affairs, 1992, University of Rhode Island; Master of Science in Management, 1996, Rensselaer Polytechnic Institute—New York

Major: Soil and Water Science
Dissertation: Using Participatory Decision Support to Improve Coral Reef Management
Dissertation Chair: Y. Li
Dissertation Co-chair: G. Kiker

Eric W. Franca, Bachelor of Science in Engineering, 2008, Tulane University—Louisiana

Major: Biomedical Engineering
Dissertation: Neural Adhesion, Growth, and Electrophysiology on Carbon Nanotubes and Carbonized Nanofibers
Dissertation Chair: B. Wheeler

Jackson Luc Frechette, Bachelor of Science, 2003, University of Wisconsin at Madison; Master of Arts, 2007, University of Florida

Major: Interdisciplinary Ecology
Dissertation: Constructing and Experimentally Testing the Impacts of Animal-Generated Dispersal Kernels in a Northeastern Cambodian Fruiting Tree
Dissertation Chair: K. E. Sieving
Dissertation Co-chair: D. J. Levey

Christopher Allen Fuhrman, Bachelor of Science in Molecular Biology and Microbiology, 2005, Master of Science in Molecular Biology and Microbiology, 2007, University of Central Florida

Major: Medical Sciences—Immunology and Microbiology
Dissertation: Innate Cytokine and Costimulatory Receptor Influence on Regulatory T Cell Biology in the Pathogenesis of Type 1 Diabetes
Dissertation Chair: T. M. Brusko

Timothy J. Fullman, Bachelor of Science in Animal Biology, 2007, University of California at Davis; Master of Science, 2009, University of Florida

Major: Geography
Minor: Spatial Wildlife Ecology
Dissertation: Spatial Assessment of Elephant Impacts on Large Herbivores and Vegetation in Southern Africa
Dissertation Chair: B. Child
Dissertation Co-chair: J. Southworth

Justin Grant Gaddis, Bachelor of Arts in Education, 2008, University of Kentucky; Master of Education, 2011, University of Florida

Major: School Psychology
Dissertation: Reading Performance and High-Stakes Statewide Assessment in a Juvenile Corrections Facility
Dissertation Chair: J. H. Kranzler
Dissertation Co-chair: J. C. Gagnon
Miao Gao, Bachelor of Science, 2007, Nanjing Normal University—China; Master of Education, 2008, Murdoch University—Australia; Master of Science in Biology, 2010, Central Washington University
Major: Research and Evaluation Methodology
Dissertation: Assessing the Model Fit and Classification Accuracy in Cognitive Diagnosis Models
Dissertation Chair: M. D. Miller

Christopher J. Garland, Bachelor of Arts, 2006, Master of Arts in Sociology, 2008, University of Auckland—New Zealand; Master of Arts, 2009, University of Florida
Major: English
Dissertation: Haiti Crisis, Western Imaginings, and Visual Rhetoric
Dissertation Chair: S. I. Dobrin

Christine M. Gault, Bachelor of Arts, 2009, Colgate University—New York
Major: Plant Molecular and Cellular Biology
Dissertation: The Role of the Rough Endosperm3 Splicing Factor in Maize Development
Dissertation Chair: A. M. Settles
Dissertation Co-chair: W. B. Barbazuk

Charles Wysaw Gay, Bachelor of Science in Kinesiology, 2000, James Madison University—Virginia; Doctor of Chiropractic, 2006, Palmer College of Chiropractic—Florida
Major: Rehabilitation Science
Dissertation: Functional Connectivity Changes Within the Pain Processing and Modulatory Networks Following Exercise-Induced Muscular Injury and Manual Therapy
Dissertation Chair: M. D. Bishop

Saeed Ghadimi, Bachelor of Science in Industrial Engineering, 2007, Sharif University of Technology—Iran; Master of Science in Industrial Engineering, 2009, Amirkabir University of Technology—Iran; Master of Science, 2013, University of Florida
Major: Industrial and Systems Engineering
Minor: Mathematics
Dissertation: Finite-Time Convergence Properties of Methods for Stochastic Programming
Dissertation Chair: G. Lan

Alberto Martin Gochez, Licenciado en Genetica, 2002, Magister Scientiae en Produccion Vegetal, 2007, Universidad Nacional de Misiones—Argentina
Major: Plant Pathology
Dissertation: Host Pathogen Interaction, and Copper Resistance in Xanthomonads Associated with Citrus Canker
Dissertation Chair: J. B. Jones
Dissertation Co-chair: J. H. Graham

Sasmit Sadanand Gokhale, Bachelor of Engineering, 2009, University of Mumbai—India; Master of Science, 2011, University of Florida
Major: Nuclear Engineering Sciences
Dissertation: Bismuth Tri-Iodide Radiation Detector Development
Dissertation Chair: K. Jordan
Dissertation Co-chair: J. C. Nino

Ellen Gopan, Bachelor of Arts in Mathematics, 2007, Bachelor of Arts in Physics, 2007, Northwestern University—Illinois; Master of Science, 2009, Wayne State University—Michigan
Major: Biomedical Engineering
Dissertation: Charge-Coupled Device-Based Detector Array for Dose Quantification at Diagnostic Energies
Dissertation Chair: D. E. Hintenlang

Olga Gopan, Bachelor of Arts in Mathematics, 2007, Bachelor of Applied Science Physics, 2007, Northwestern University—Illinois; Master of Science, 2009, Wayne State University—Michigan
Major: Biomedical Engineering
Dissertation: Design and Evaluation of the Variable-Angle Slant-Hole Collimator for 3D Molecular Imaging of the Breast
Dissertation Chair: D. R. Gilland
Danielle Marie Graef, Bachelor of Arts in Psychology, 2009, University of Missouri at Columbia; Master of Science, 2011, University of Florida
Major: Psychology—Clinical and Health Psychology
Dissertation: Sleep and Social-Ecological Influences of Quality of Life in Overweight Rural Youth Using a Risk-Resistance Framework
Dissertation Chair: D. M. Janicke

Jason R. Graham, Bachelor of Science in Entomology, 2006, University of Delaware; Master of Science, 2009, University of Florida
Major: Entomology and Nematology
Minor: Agricultural Education and Communication
Dissertation: Monitoring Tunnel Nesting, Solitary Bees and Wasps in North Central Florida Using Artificial Nesting Habitats
Dissertation Chair: J. D. Ellis

Sally Lauren Grapin, Bachelor of Arts in Psychology, 2009, Brown University–Rhode Island; Master of Education, 2012, University of Florida
Major: School Psychology
Dissertation: An Investigation of the Relationship Between Performance on Curriculum-Based Measures of Oral Reading Fluency and High-Stakes Tests of Reading Achievement
Dissertation Chair: J. H. Kranzler

Leandro F. Greco, Medico Veterinario, 2006, Federal Universidade Federal de Goias—Brazil; Mestre em Agronomia, 2008, Universidade de Sao Paulo—Brazil
Major: Animal Molecular and Cellular Biology
Dissertation: Fatty Acids in Dairy Cattle Nutrition: Insights on Productive and Reproductive Performances
Dissertation Chair: J. Santos

Adriane Kaye Grumbein, Bachelor of Science, 2005, Abilene Christian University—Texas; Master of Science in Journalism, 2010, University of Kansas
Major: Mass Communication
Dissertation: I Can Explain...It’s Something About the Way You Look Tonight: Using Advertising Visuals to Transfer and Manipulate Multidimensional Brand Personality
Dissertation Chair: J. R. Goodman

Wenjing Guan, Bachelor of Agriculture, 2006, Southwest University—China; Master of Plant Pathology, 2009, Chinese Academy of Agricultural Sciences
Major: Horticultural Sciences
Minor: Plant Pest Management
Dissertation Chair: X. Zhao

Hayriye Gülbudak, Lisans Diplomasi, 2007, Suleyman Demirel University—Turkey; Master of Science, 2011, University of Florida
Major: Mathematics
Dissertation: Modeling Culling and Vaccination in Poultry with Application to Avian Influenza
Dissertation Chair: M. Martcheva-Drashanska

Linke Guo, Bachelor of Engineering, 2008, Beijing University of Posts and Telecommunications—China; Master of Science, 2011, University of Florida
Major: Electrical and Computer Engineering
Dissertation: Security and Privacy Preservation for Information Sharing and Dissemination
Dissertation Chair: Y. Fang

Yuanxiong Guo, Bachelor of Engineering, 2009, Huazhong University of Science and Technology—China; Master of Science, 2012, University of Florida
Major: Electrical and Computer Engineering
Dissertation: Energy Optimization and Control for Data Centers and Smart Grids
Dissertation Chair: Y. Fang
Dissertation Co-chair: P. Khargonekar
Daniel Christopher Gwinn, Bachelor of Science in Biology, 1999, Master of Science in Biology, 2002, Towson University—Maryland
Major: Fisheries and Aquatic Sciences
Dissertation: Simulation Models for Informing the Conservation and Management of Aquatic Resources
Dissertation Chair: M. S. Allen

Clifford Forrest Haynes, Bachelor of Arts in Communication, 2002, University of Arkansas; Master of Arts, 2004, Virginia Polytechnic Institute and State University
Major: Higher Education Administration
Minor: Research and Evaluation Methodology
Dissertation: From Starting Point to Support System: Experiences of Female Students’ Involvement in an Engineering Living-Learning Program
Dissertation Chair: D. F. Campbell

Eric D. Hazelbaker, Bachelor of Science in Chemical Engineering, 2010, Purdue University—Indiana
Major: Chemical Engineering
Dissertation: Experimental Investigation of the Dynamics of Mixtures of Ionic Liquids, Carbon Dioxide, and Porous Materials
Dissertation Chair: S. Vasenkov

Fang He, Bachelor of Engineering, 2010, Tsinghua University—China; Master of Science, 2013, University of Florida
Major: Civil Engineering
Dissertation: Optimal Deployment and Operations of Public Charging Infrastructure for Plug-In Electric Vehicles
Dissertation Chair: Y. Yin

Robert Thomas Hensley, Bachelor of Science in Environmental Engineering, 2006, Master of Science, 2010, University of Florida
Major: Interdisciplinary Ecology
Dissertation: Hydraulic Controls on Spatial and Temporal Variation in Nitrogen Spiraling in Large Rivers
Dissertation Chair: M. Cohen

Albert B. Hicks III, Bachelor of Chemical Engineering, 2004, Auburn University—Alabama
Major: Chemical Engineering
Dissertation: Sputter Deposited Zinc-Magnesium Alloyed Transparent Conducting Oxides for Copper Indium Gallium Diselenide Solar Cells
Dissertation Chair: T. J. Anderson

Georgia K. Hinkley, Bachelor of Science in Biological Sciences, 2009, Florida State University
Major: Veterinary Medical Sciences
Dissertation: Investigating the Influence of In Vivo Agglomeration Behavior and Intestinal Inflammation on the Oral Bioavailability of Gold Nanoparticles in Mice
Dissertation Chair: S. M. Roberts

Yu Hong, Bachelor of Engineering, 2006, Dalian University of Technology—China; Master of Engineering, 2009, Huazhong University of Science and Technology—China; Master of Science, 2012, University of Florida
Major: Mechanical Engineering
Dissertation: Cavitation Induced Damage in Tissue and Surrogate
Dissertation Chair: G. Subhash
Dissertation Co-chair: M. Sarntinoranont

Valerie J. Hoover, Bachelor of Arts in Psychology, 2005, Temple University—Pennsylvania; Master of Science, 2010, University of Florida
Major: Psychology—Clinical and Health Psychology
Dissertation: Dietary Restraint and Weight Change in College Women Participating in a Weight Gain Prevention Program
Dissertation Chair: M. G. Perri

Joshua A. Horton, Bachelor of Science in Digital Arts and Sciences cum laude, 2007, Master of Science, 2013, University of Florida
Major: Computer Engineering
Dissertation: Normalized Maximum Likelihood on Variable-Length Sequence Datasets
Dissertation Chair: P. D. Gader
Hsien-Yi Hsu, Bachelor of Science, 2002, National Chung Hsing University—Taiwan; Master of Science, 2004, National Taiwan University
Major: Chemistry
Dissertation Chair: K. S. Schanze

Jinxiang Xiang Hu, Bachelor of Arts, 2001, Master of Arts, 2004, Tianjin Foreign Studies University—China
Major: Research and Evaluation Methodology
Dissertation: Evaluation of Model Fit in Cognitive Diagnosis Modeling
Dissertation Chair: M. D. Miller

Moon Hyon Hwang, Bachelor of Physical Education, 1999, Master of Physical Education, 2001, Korea University—South Korea
Major: Health and Human Performance
Dissertation: Effects of High-Intensity Interval Training vs. Moderate Continuous Exercise on Vascular Endothelial Function and Arterial Stiffness in Human Aging
Dissertation Chair: D. D. Christou

Matthew Clay Inman, Bachelor of Science in Aerospace Engineering, 2010, Master of Science, 2011, University of Florida
Major: Mechanical Engineering
Dissertation: Molecular Dynamics as a Foundation for Flux Prediction Through Nanoporous Membranes: A Vectorized, Constraint-Free Approach to Conservative Simulations
Dissertation Chair: W. E. Lear

Alex Jadidian, Bachelor of Science cum laude, 2009, Master of Science, 2011, University of Florida
Major: Counseling Psychology
Dissertation: Work Volition in United States Veterans
Dissertation Chair: R. D. Duffy
Dissertation Co-chair: J. Chambers

Wen Ji, Bachelor of Engineering, 2009, Sichuan University—China
Major: Agricultural and Biological Engineering
Minor: New Venture Creation
Dissertation: Application of Hollow Fiber Membrane Bioreactor (HFMBR)
Dissertation Chair: P. C. Pullammanappallil

Liyan Jin, Bachelor of Science in Management, 2007, Jinan University—China; Master of Science, 2010, University of Florida
Major: Health and Human Performance
Dissertation: Planned Behavior and College Football Consumers’ Intention to Donate to Green Stadium Initiatives
Dissertation Chair: D. P. Connaughton

Douglas T. Jones, Bachelor of Arts, 2000, University of Notre Dame—Indiana; Master of Education, 2011, University of Florida
Major: School Psychology
Dissertation: The Relationship Between Performance-Based and Behavior Rated Measures of Executive Functioning and Achievement in a Clinical Sample of Children and Adolescents with ADHD
Dissertation Chair: T. D. Oakland

Lizabeth L. Jordan, Bachelor of Science in Brain and Cognitive Sciences, 2008, Massachusetts Institute of Technology; Master of Science, 2010, University of Florida
Major: Psychology—Clinical and Health Psychology
Dissertation: Cognitive Factors Contributing to Verbal Memory Performance in Clinical Pediatric Populations
Dissertation Chair: S. C. Heaton

Ahmed Jorge, Bachelor of Science in Aerospace Engineering summa cum laude, 2010, University of Florida
Major: Aerospace Engineering
Minor: Statistics
Dissertation: Control of a Stochastic Model of an Aeroelastic MAV in Turbulence
Dissertation Chair: R. C. Lind
Dissertation Co-chair: M. Kumar
Gungeet Joshi, Bachelor of Science in Home Science, 2002, Bachelor of Education, 2006, Master of Science in Food and Nutrition, 2006, Punjab Agricultural University—India; Master of Science, 2011, University of Florida

Major: Health and Human Performance
Dissertation: Caregiving Preparedness, and Attitudes Towards Their Older Relatives Among College Students
Dissertation Chair: C. E. Stopka-Boyd
Dissertation Co-chair: R. Pigg

Badal R. Juneja, Bachelor of Science in Nuclear Engineering cum laude, 2009, Master of Science, 2011, University of Florida

Major: Biomedical Engineering
Dissertation: Compton Backscatter Imaging for Medical Applications: Obtaining Information at Multiple Depths From a Single View
Dissertation Chair: F. J. Bova

Abena Lucie Kadjo, Licence es Sciences Economiques, 2006, University of Hassan Ier Faculte des Sciences Juridiques Economiques et Sociales—Morocco; Master of Science, 2010, University of Florida

Major: Food and Resource Economics
Dissertation: Import Demand, International Trade, Food Safety, and Price Analysis Relative to the Cocoa Sector
Dissertation Chair: J. L. Seale
Dissertation Co-chair: J. J. Vansickle

Rushikesh Lambodar Kamalapurkar, Bachelor of Technology in Mechanical Engineering, 2007, Visvesvaraya National Institute of Technology—India; Master of Science, 2011, University of Florida

Major: Mechanical Engineering
Dissertation: Model-Based Reinforcement Learning for Online Approximate Optimal Control
Dissertation Chair: W. E. Dixon

Lucy Ward Keith Diagne, Bachelor of Science in Biology, 1987, St. Lawrence University—New York; Master of Arts in Biology, 1999, Boston University—Massachusetts

Major: Veterinary Medical Sciences
Dissertation: Phylogenetics Genetics and Feeding Ecology of the African Manatee (Trichechus senegalensis)
Dissertation Chair: R. L. Reep

Cheolbok Kim, Bachelor of Science in Engineering, 2006, Master of Engineering, 2008, Gyeongsang National University—South Korea

Major: Electrical and Computer Engineering
Dissertation: Integrated Microwave Antennas and Passive Filters Using 3D Microfabrication and Metamaterial Architectures
Dissertation Chair: Y. Yoon

Junga Kim, Bachelor of Arts, 1999, Bachelor of Home Economics, 1999, Master of Arts in Mass Communication, 2001, Ewha Womans University—South Korea; Master of Arts, 2010, University of Minnesota

Major: Mass Communication
Dissertation: Does Electronic Word of Mouth Really Influence Their Friends in Social Media: Applying Balance Theory to Predict eWOM Effectiveness
Dissertation Chair: D. M. Treise
Dissertation Co-chair: T. R. Elias

Ka Young Kim, Bachelor of Physical Education, 2006, Korea National Sport University—South Korea; Master of Science, 2009, University of Florida

Major: Health and Human Performance
Minor: Mass Communication
Dissertation: The Ideal Body Image of Female Athletes and Their Perspectives to the Sexualized Media Images of Athletes: In Depth Interviews with Collegiate Female Athletes
Dissertation Chair: M. B. Sagas

Tae Ho Kim, Bachelor of Science in Physical Education, 2003, Yonsei University—South Korea; Master of Science, 2010, University of Florida

Major: Health and Human Performance
Dissertation: Customer Engagement Framework Endemic to the Fitness Industry
Dissertation Chair: Y. J. Ko
Nkaku Robert Kisaalita, Bachelor of Science in Psychology, 2007, University of North Carolina at Chapel Hill; Master of Science, 2011, University of Florida
Major: Psychology—Clinical and Health Psychology
Dissertation: Placebo Acceptability in Patients with Chronic Musculoskeletal Pain: The Effects of a Mechanism-Based Educational Intervention
Dissertation Chair: M. E. Robinson

Caitlin A. Knox, Bachelor of Science, 2007, Master of Public Health, 2009, University of Florida
Major: Pharmaceutical Sciences—Pharmaceutical Outcomes and Policy
Dissertation: The Comparative Safety of Anti-Diabetic Treatment in Pregnant Women with Preexisting Diabetes
Dissertation Chair: A. G. Winterstein

Major: Mass Communication
Dissertation: Corporate Diplomacy, the Art and Science of Managing a Multinational Corporation’s Non-Market Environment
Dissertation Chair: J. Molleda

Aparna Krishnamurthy, Bachelor of Science in Agriculture, 2005, Master of Science in Genetics and Plant Breeding, 2007, University of Agricultural Sciences—India
Major: Horticultural Sciences
Minor: Plant Molecular and Cellular Biology
Dissertation: Understanding Oxidative Stress Tolerance in Plants: Mechanisms for Tolerance to Arsenic and High Temperature Stress in Arabidopsis Thaliana and Oryza Sativa
Dissertation Chair: B. Rathinasabapathi

Taylor P. Kuhn, Bachelor of Science magna cum laude, 2008, Master of Science, 2011, University of Florida
Major: Psychology—Clinical and Health Psychology
Dissertation: Structural and Functional Correlates of Adjacent Temporal Lobe Circuits: Associations with Memory Performance and Structural Neuroimaging in Temporal Lobe Epilepsy
Dissertation Chair: R. M. Bauer

Allison N. Kurti, Bachelor of Arts in Psychology magna cum laude, 2008, Wake Forest University—North Carolina; Master of Science in Psychology, 2010, Villanova University—Pennsylvania
Major: Psychology
Dissertation: Effects of Exercise and Contingency Management on Craving and Cigarette Smoking in the Human Laboratory
Dissertation Chair: J. Dallery

Prithviraj Lakkakula, Bachelor of Science in Agriculture, 2007, Acharya N. G. Ranga Agricultural University—India; Master of Science in Agricultural Economics, 2010, University of Arkansas
Major: Food and Resource Economics
Dissertation: Sugar and High Fructose Corn Syrup Consumption Shifts: A Case of the United States and Mexico
Dissertation Chair: A. Schmitz

Anna Lankina, Bachelor of Arts in History, 2007, Hillsdale College—Michigan; Master of Arts, 2011, University of Florida
Major: History
Dissertation: Reassessing Historiography in Late Antiquity: Philostorgius on Religion and Empire
Dissertation Chair: A. L. Sterk

Brittany M. Larkin, Bachelor of Arts in Education, 2000, Master of Education, 2001, University of Florida
Major: Educational Leadership
Dissertation: The Effects of Autonomy on Florida Public Schools: A Disaggregated Comparison of Charter Schools and Traditional Schools
Dissertation Chair: R. Wood

Emily V. Leary, Bachelor of Science in Mathematics, 2006, Master of Science in Biostatistics, 2006, University of Oklahoma at Norman; Master of Statistics, 2010, University of Florida
Major: Interdisciplinary Ecology
Dissertation: Climate Change and Heat Impacts on Health for Florida: A New Methodology and Analysis
Dissertation Chair: L. Young
Kyungyong Lee, Bachelor of Science in Electrical and Computer Engineering, 2004, Sungkyunkwan University—South Korea; Master of Science, 2010, University of Florida

Major: **Electrical and Computer Engineering**
Dissertation: Scalable and Fault-Tolerant Decentralized Resource Discovery for Large-Scale Distributed Computing Systems
Dissertation Chair: R. J. Figueiredo

Flávia Lana Leite, Bacharel, 2003, Fundacao Joao Pinheiro—Brazil; Master of Public Affairs, 2006, University of Texas at Austin; Master of Arts, 2009, University of Florida

Major: **Sociology**
Dissertation: Modern Conflicts Over Conservation and Development of the Amazon: The Case of the Conflict Over the Construction of the Belo Monte Hydroelectric Dam in Brazil
Dissertation Chair: S. G. Perz


Major: **Soil and Water Science**
Dissertation: Imidacloprid Fate and Transport in Florida Flatwoods Soils and Plants During Control of the Asian Citrus Psyllid
Dissertation Chair: P. Nkedi-Kizza
Dissertation Co-chair: K. T. Morgan

Megan A. Leroy, Bachelor of Arts in English and History *cum laude*, 2005, University of Georgia; Master of Arts, 2007, University of Florida

Major: **English**
Dissertation: Cooking up Poetry: Housekeeping Manuals and Women Poets From Emily Dickinson to Cathy Song
Dissertation Chair: M. C. Bryant

Dadria Renada Lewis, Bachelor of Science, 1999, University of the West Indies; Master of Education, 2008, Specialist in Education, 2008, University of Florida

Major: **Counseling and Counselor Education**
Dissertation: Influence of School Counselor Social Justice Advocacy and Multicultural Counseling Competencies on Counselor Engagement in School-Family-Community Collaboration
Dissertation Chair: E. S. Amatea

Jason Martin Lewis, Bachelor of Science in Mechanical Engineering, 2004, University of California at Santa Barbara; Master of Science, 2012, University of Florida

Major: **Nuclear Engineering Sciences**
Dissertation Chair: K. Jordan

Chao Li, Bachelor of Engineering, 2009, Zhejiang University—China; Master of Science, 2012, University of Florida

Major: **Electrical and Computer Engineering**
Dissertation Chair: T. Li
Dissertation Co-chair: J. A. Fortes

Jiaying Li, Bachelor of Science, 2009, Peking University—China

Major: **Environmental Engineering Sciences**
Dissertation: Organosulfate Formation in Aerosol
Dissertation Chair: M. Jang

Shijie Li, Bachelor of Engineering, 2010, Huazhong University of Science and Technology—China; Master of Science, 2014, University of Florida

Major: **Electrical and Computer Engineering**
Dissertation: Machine Learning Techniques and Their Applications to Computer Vision
Dissertation Chair: D. Wu

Yangzhong Li, Bachelor of Science in Chemical Engineering, 2006, Master of Science in Materials, 2007, University of California at Santa Barbara

Major: **Materials Science and Engineering**
Minor: **Nuclear Engineering Sciences**
Dissertation: Molecular Dynamics Simulation of Defected Structures by COMB and EAM Potentials
Dissertation Chair: S. R. Phillpot
Zhi Li, Bachelor of Management, 2008, Huazhong University of Science and Technology—China
Major: Business Administration—Information Systems and Operations Management
Dissertation: Economics of Cloud Computing
Dissertation Chair: H. K. Cheng

Xiaofei Liang, Bachelor of Science, 2007, Master of Agriculture, 2010, Northwest Agriculture and Forestry University—China
Major: Plant Pathology
Dissertation: Genetic Regulation of Oxalic Acid Metabolism and Pathogenesis in the Broad Host Range Necrotrophic Fungal Plant Pathogen Sclerotinia sclerotiorum (Lib.) De Bary
Dissertation Chair: J. A. Rollins

Woo Taek Lim, Bachelor of Physical Therapy, 2008, Yonsei University—South Korea
Major: Rehabilitation Science
Minor: Applied Physiology and Kinesiology
Dissertation: Magnetic Resonance Characterization of Muscle and Spinal Cord in a New Model of Severe Contusion Spinal Cord Injury
Dissertation Chair: K. Vandenborne

Huang Lin, Bachelor of Engineering, 2004, Master of Engineering, 2006, Harbin Institute of Technology—China; Doctor of Philosophy in Engineering, 2010, Shanghai Jiaotong University—China
Major: Electrical and Computer Engineering
Dissertation: Privacy Preserving Protocols Design in Distributed Computing Environments
Dissertation Chair: Y. Fang

Leming Lin, Bachelor of Economics, 2006, Harbin Institute of Technology—China; Master of Science in Finance, 2009, Singapore Management University
Major: Business Administration—Finance
Dissertation: Essays in Capital Structure
Dissertation Chair: J. R. Ritter
Dissertation Co-chair: M. J. Flannery

Yashen Lin, Bachelor of Engineering, 2009, University of Science and Technology—China; Master of Science, 2012, University of Florida
Major: Mechanical Engineering
Dissertation: Application of Smart Control of Commercial Building HVAC System in Power Grid Ancillary Service: Modeling, Design, and Implementation
Dissertation Chair: P. Barooah

Gillian Escalada Lipari, Bachelor of Science cum laude, 2008, Master of Education, 2011, University of Florida
Major: School Psychology
Dissertation: Reading Comprehension Intervention: Metacognitive Strategy Instruction with Sixth Grade Students
Dissertation Chair: N. L. Waldron

Chao Liu, Bachelor of Biological Science, 2008, Nankai University—China; Master of Statistics, 2014, University of Florida
Major: Medical Sciences—Immunology and Microbiology
Dissertation: Indispensible Role of Reactive Oxygen Species in the Pathogenesis of Type 1 Diabetes
Dissertation Chair: C. E. Mathews

Minzhao Liu, Bachelor of Science, 2008, Fudan University—China
Major: Statistics
Dissertation: New Approaches for Quantile Regression
Dissertation Chair: M. J. Daniels

Wei Liu, Bachelor of Medicine, 1997, Shanghai Medical University—China; Master of Science, 2009, Harvard University—Massachusetts
Major: Pharmaceutical Sciences—Pharmaceutical Outcomes and Policy
Dissertation: Phosphodiesterase Type 5 Inhibitors and Risk of Sudden Sensorineural Hearing Loss: A Post-Marketing Safety Study
Dissertation Chair: A. G. Winterstein
Wei-Yang Lo, Bachelor of Science, 2003, Master of Science, 2005, National Tsing Hua University—Taiwan

Major: Nuclear Engineering Sciences
Dissertation: Minimizing the Fccl Between Metallic Sfr Fuel and Advanced F/M Claddings by Pack Cementation Diffusion Coating of Vanadium
Dissertation Chair: Y. Yang

Francisco Ernesto Loayza Davila, Grado de Bachiller en Ciencias Industrias Alimentarias, 2004, Universidad Nacional Agraria la Molina—Peru; Grade de Master, 2008, Institut National Polytechnique de Toulouse—Peru; Master of Agribusiness, 2013, University of Florida

Major: Horticultural Sciences
Dissertation: Application of Heat Stress and the Effect on the Antioxidant Composition of Fresh Tomatoes
Dissertation Chair: J. K. Brecht
Dissertation Co-chair: A. H. Simonne

Yang Lu, Bachelor of Engineering, 2005, Master of Engineering, 2008, Shanghai Jiao Tong University—China

Major: Electrical and Computer Engineering
Dissertation: Modeling and Simulation of Nano-Scale Electronics Based on Novel Low Dimensional Materials
Dissertation Chair: J. Guo

Jing Ma, Bachelor of Science, 2010, University of Michigan at Ann Arbor; Master of Science, 2013, University of Florida

Major: Industrial and Systems Engineering
Dissertation: Coordination Schemes for Two-Echelon Supply Chain and Plug-In Hybrid Electric Vehicles
Dissertation Chair: Y. Guan
Dissertation Co-chair: J. P. Geunes

Mihaela Marcu, Diploma de Licenta, 1998, University Babes-Bolyai University—Romania

Major: Food and Resource Economics
Dissertation: Privatization Effects on Efficiency in the Water and Waste Water Industry in Former Socialist Countries
Dissertation Chair: C. B. Moss

Meredith Gretz Marten, Bachelor of Arts in Anthropology, 2002, Michigan State University; Master of Arts in Anthropology, 2005, Florida State University; Master of Science in Public Health, 2008, Tulane University—Louisiana

Major: Anthropology
Dissertation: Aid Withdrawal and Health Care Sustainability: Shifting Mandates in Health Institutions and HIV/AIDS Programs in Tanzania
Dissertation Chair: A. Young

Ann Katherine Matzen, Bachelor of Science in Psychology, 2002, University of Iowa; Master of Education, 2007, University of Florida

Major: School Psychology
Dissertation: Developing Competence in Service Provision by School Psychologists Working with Students with Severe Disabilities
Dissertation Chair: N. L. Waldron
Dissertation Co-chair: D. Ryndak

Emily S. McCann, Bachelor of Arts in English summa cum laude, 2006, Auburn University—Alabama; Master of Arts, 2008, University of Florida

Major: English
Dissertation: Gothic Futures: Modernist Gothic, Women’s Modernism
Dissertation Chair: M. C. Bryant

Shannon N. McCarthy, Bachelor of Arts in Sociology, 2001, Pennsylvania State University; Master of Arts in Counselor Education, 2008, University of Central Florida

Major: Counseling and Counselor Education
Dissertation: The Evolution of School Counseling Students Perspectives Concerning Family-School Involvement Throughout Their Field Experience
Dissertation Chair: E. S. Amatea

K. Randall McClain, Bachelor of Science in Chemistry, 2007, University of Central Florida

Major: Chemistry
Dissertation: Design, Synthesis, Characterization, and Application of Molecular Precursors for Deposition of Conformal WNX and WNXCY Thin Films
Dissertation Chair: L. A. McElwee-White
Elizabeth Menton McGinnis Deweese, Bachelor of Science in Psychology, 2009, Millsaps College—Mississippi; Master of Science, 2011, University of Florida  
Major: Psychology  
Dissertation: Attention and Emotion: Extent and Time Course of Competition Between Task Stimuli and Affective Pictures in Human Visual Cortex  
Dissertation Chair: A. Keil

Cheryl Althea McLaughlin, Bachelor of Science, 1994, Master of Philosophy in Botany, 1998, University of the West Indies; Master of Science in Education, 2010, St. Johns University—New York  
Major: Curriculum and Instruction  
Dissertation: The Negotiation of Meaning and Exercise of Power in Professional Learning Communities: An Investigation of Middle School Science Teachers  
Dissertation Chair: E. Bondy  
Dissertation Co-chair: K. J. Crippen

Denyse Maria Mello, Titulo de Engenheiro Agronomo, 1991, Universidade Federal do Acre—Brazil; Mestre em Agriculturas Familiares Amazonicas e Desenvolvimento Agro-Ambiental, 2009, Universidade Federal do Para—Brazil  
Major: Interdisciplinary Ecology  
Dissertation: Collective Microenterprises and Rural Women’s Economic Empowerment in Brazilian Amazonia  
Dissertation Chair: M. C. Schmink

Julie Williams Merten, Bachelor of Arts in Psychology, 2002, Master of Science in Health, 2005, University of North Florida  
Major: Public Health  
Dissertation: Prevalence and Correlates of Skin Cancer Risk Behaviors Among College Students  
Dissertation Chair: J. L. Pomeranz

Harald G.P. Messer Jr., Bachelor of Science, 1997, Master of Science, 2005, University of Florida  
Major: Medical Sciences—Immunology and Microbiology  
Dissertation: The Role of JMJD3 and UTX Histone Demethylases in Hsv-1 Latency and Reactivation  
Dissertation Chair: D. C. Bloom

Brad M. Messmer, Bachelor of Science in Chemical Engineering, 2010, Purdue University—Indiana  
Major: Chemical Engineering  
Dissertation: The Effects of Wavy Boundaries on Flow Structures and Fluid Instabilities  
Dissertation Chair: R. Narayanan

Atanas A. Mihov, Bachelor of Science in Business Administration summa cum laude, 2008, Ramapo College of New Jersey  
Major: Business Administration—Finance  
Dissertation: Three Essays in Financial Economics  
Dissertation Chair: M. J. Flannery  
Dissertation Co-chair: A. Naranjo

Shauna Tamara Marion Miller, Bachelor of Science, 1996, University of the West Indies; Master of Arts, 2000, Tufts University—Massachusetts  
Major: School Psychology  
Dissertation: Preschool Teacher Response to Challenging Behavior: The Role of Organizational Climate in Referrals and Expulsions  
Dissertation Chair: T. M. Smith-Bonahue

David A. Mills, Bachelor of Science in Mechanical Engineering, 2008, University of Evansville—Indiana; Master of Science, 2010, University of Florida  
Major: Mechanical Engineering  
Dissertation: A Sapphire MEMS-Based Optical Shear Stress Sensor for High-Temperature Applications  
Dissertation Chair: M. Sheplak

Alison M. Montgomery, Bachelor of Arts, 2003, Master of Arts, 2007, University of Oklahoma at Norman  
Major: Anthropology  
Dissertation: Negotiating the Spaces of Fair Trade in South Africa’s Wine Industry  
Dissertation Chair: B. H. Chalfin  
Dissertation Co-chair: M. M. Stoilkova
Austen C. Moore, Bachelor of Arts in History, 2003, Yale University—Connecticut; Master of Arts, 2011, New Mexico State University
Major: Agricultural Education and Communication
Dissertation: Challenges and Opportunities for Improving the Delivery of Agricultural Extension Services to Small-Scale Farmers in Post-Conflict Liberia
Dissertation Chair: A. M. Harder

Thomas Edward Moore, Bachelor of Science, 2006, Norfolk State University—Virginia; Master of Urban and Regional Planning, 2010, Virginia Polytechnic Institute and State University
Major: Higher Education Administration
Dissertation: A Race Conscious Perspective on Academic Advising: Counternarratives of Black Doctoral Students in a College of Education
Dissertation Chair: D. F. Campbell
Dissertation Co-chair: E. Bondy

Pedro J. Mora, Bachelor of Science in Physics, 2004, Master of Science, 2007, University of Puerto Rico at Rio Piedras
Major: Physics
Dissertation: Graviton Propagation During Inflation
Dissertation Chair: R. P. Woodard

Miguel Alfredo Morales, Bachelor of Science in Environmental Engineering summa cum laude, 2008, Master of Engineering, 2010, University of Florida
Major: Environmental Engineering Sciences
Dissertation Chair: J. Heaney

Cesar Miguel Moreira, Bachelor of Science in Agricultural and Biological Engineering cum laude, 2007, Master of Science, 2009, University of Florida
Major: Agricultural and Biological Engineering
Minor: Mechanical Engineering
Dissertation: Development of an Integrated Algal Bio-Refinery for Extracellular Biomaterial and Biofuel Production
Dissertation Chair: P. C. Pullammanappallil
Dissertation Co-chair: S. Svoronos

Wayne Kenneth Morrow, Bachelor of Science in Engineering (Materials Science and Engineering), 1987, University of Florida; Master of Science in Engineering, 1996, Arizona State University; Master of Business Administration, 2001, University of Florida
Major: Materials Science and Engineering
Dissertation: The Use of Graphene as a Solid State Diffusion Barrier
Dissertation Chair: S. J. Pearton

Christopher L. Mueller, Bachelor of Science cum laude, 2009, Bachelor of Arts cum laude, 2009, Master of Science, 2011, University of Florida
Major: Physics
Dissertation: Techniques for Resonant Optical Interferometry with Applications to the Advanced LIGO Gravitational Wave Detectors
Dissertation Chair: G. Muller

Major: Interdisciplinary Ecology
Dissertation: Demography of Population Recovery: Discerning Pesticide Effects on Survival, Territory Occupancy, and Breeding Success of Peregrine Falcons (Falco Peregrinus) in South Scotland
Dissertation Chair: M. K. Oli

Emily A. Murphy, Bachelor of Arts magna cum laude, 2008, Master of Arts, 2010, University of Florida
Major: English
Dissertation: Growing Up With America: Myth, Childhood, and National Identity From 1945-2011
Dissertation Chair: P. E. Wegner
Dissertation Co-chair: A. Ulanowicz
Major: Special Education  
Dissertation: Understanding the Experience of Teaching in a Juvenile Corrections School  
Dissertation Chair: M. T. Brownell

Rasool Nasr Isfahani, Bachelor of Science, 2007, Master of Mechanical Engineering, 2010, University of Tehran—Iran  
Major: Mechanical Engineering  
Dissertation: Physical Mechanisms of Heat and Mass Transfer in Nanoengineered Membrane-Based Absorption Cooling System  
Dissertation Chair: S. Moghaddam

Charles A. Nettleman III, Bachelor of Science, 2008, New Mexico State University; Master of Science, 2009, Texas A&M University at Corpus Christi  
Major: Forest Resources and Conservation  
Dissertation: GIS Modeling of Coastal Policies in Response to Sea Level Rise in Florida  
Dissertation Chair: A. H. Abd-Elrahman  
Dissertation Co-chair: G. Barnes

Kelesha A. Nevers, Bachelor of Science in Criminal Justice cum laude, 2003, Old Dominion University—Virginia; Master of Arts in Criminology, 2005, University of Maryland at College Park  
Major: Criminology, Law and Society  
Dissertation: The Impact of Background/Demographics on Selection Standards and Academy Performance  
Dissertation Chair: L. M. Lanza-Kaduce

Tu Ngoc Nguyen, Bachelor of Science in Chemistry, 2006, Vietnam National University; Master of Science, 2008, National University of Singapore  
Major: Chemistry  
Dissertation: Supramolecular Aggregates of Single-Molecule Magnets  
Dissertation Chair: G. Christou

James Clyde Nifong, Bachelor of Science summa cum laude, 2007, University of Florida  
Major: Zoology  
Dissertation: Use of Marine Habitat and Food Resources by Coastal Inhabiting Alligator Mississipiensis (American Alligator): Implications for Food Web and Community Dynamics  
Dissertation Chair: B. Silliman

Chandylen Nightingale, Bachelor of Science cum laude, 2006, Master of Public Health, 2010, University of Florida  
Major: Public Health  
Dissertation: A Prospective Biopsychosocial Investigation Into Head and Neck Cancer Caregiving  
Dissertation Chair: G. D. Carnaby

Jia Niu, Bachelor of Management, 2005, Chang’an University; Master of Management, 2008, Xi’an University of Architecture and Technology  
Major: Design, Construction and Planning  
Minor: Computer Engineering  
Dissertation: Ontology-Based Semantic Interpretation Framework for Legal Analysis in Construction Claims  
Dissertation Chair: R. Issa

Mark J. Noordhoek, Bachelor of Science in Engineering, 2009, University of Michigan at Ann Arbor  
Major: Materials Science and Engineering  
Dissertation: Development of Classical Interatomic Potentials for Applications in Corrosion and Phase Transitions  
Dissertation Chair: S. R. Phillpot

Kamil W. Nowicki, Bachelor of Science summa cum laude, 2008, University of Florida  
Major: Medical Sciences—Molecular Cell Biology  
Dissertation: Role of Shear Stress Mediated Inflammation, ELR+ CXC Chemokines and Peroxisomal Proliferator Activated Receptor (PPAR) Pathway in Cerebral Aneurysm Formation  
Dissertation Chair: B. L. Hoh
Roosbeh Nowrouzian, Bachelor of Science, 2006, Master of Science, 2008, Sharif University of Technology—Iran; Master of Science, 2013, University of Florida
Major: Civil Engineering
Minor: Statistics
Dissertation: Spatial Models for Analyzing the Effects of Land Use Patterns on Automobile Ownership and Usage
Dissertation Chair: S. Srinivasan

Collins Rawlings Nunyonoameh, Bachelor of Science in Tourism, 2003, University of Cape Coast—Ghana; Master of Arts in International Studies, 2006, Morgan State University—Maryland
Major: Interdisciplinary Ecology
Dissertation: Mining and Community Development in Ghana
Dissertation Chair: C. A. Overdevest

Christopher Thomas O’Donohue, Bachelor of Science in Engineering in Chemical Engineering, 2008, University of Pittsburgh
Major: Chemical Engineering
Dissertation: Chemical Vapor Deposition of Tungsten Based Thin Films From Single Source Nitrido Complexes for Copper Metallization Applications
Dissertation Chair: T. J. Anderson

Wesley Newell Oehmig Jr., Bachelor of Science in Environmental Engineering cum laude, 2010, Master of Engineering, 2013, University of Florida
Major: Environmental Engineering Sciences
Dissertation: Emerging Practices of Thermal Solid Waste Treatment and the Beneficial Use of Residuals
Dissertation Chair: T. G. Townsend

Jessica A. Oswald, Bachelor of Science in Zoology, 2007, Michigan State University
Major: Zoology
Dissertation: The Historical Biogeography of Dry Forest Birds in Northwestern Peru
Dissertation Chair: D. W. Steadman

Keqin Ou, Bachelor of Science, 2007, Master of Engineering, 2010, China Agricultural University
Major: Food Science
Dissertation: Bioavailability and Catabolism of Cranberry Procyanidins
Dissertation Chair: L. Gu

Aysegül Özkan, Bachelor of Science, 2007, Bilkent University—Turkey
Major: Computer Engineering
Dissertation: EASAL: Algorithms and Software for Analyzing Entropy-Driven Assembly Landscapes
Dissertation Chair: M. Sitharam

Seckin Ozkul, Bachelor of Civil Engineering magna cum laude, 2006, Auburn University—Alabama
Major: Civil Engineering
Dissertation Chair: S. S. Washburn

Anup Surendra Pandkar, Bachelor of Engineering, 2009, Maharashtra Institute of Technology—India; Master of Science, 2011, University of Florida
Major: Mechanical Engineering
Dissertation: A Microstructure Sensitive Study of Rolling Contact Fatigue in Bearing Steels: A Numerical and Experimental Approach
Dissertation Chair: N. K. Arakere
Dissertation Co-chair: G. Subhash

Winifred V. Pankani Lindberg, Bachelor of Arts, 1998, University of Ghana; Master of Arts in International Studies, 2004, University of Oregon; Master of Arts, 2009, University of Florida
Major: Political Science
Dissertation: System Overload: A Reversed Collective Action Dilemma and Bureaucratic Capacity in Two African Countries
Dissertation Chair: C. O’Dwyer
Hyejin Jin Park, Bachelor of Arts in Communication Media, 2003, Bachelor of Arts in Korean Language and Literature, 2003, Seoul Women’s University—South Korea; Master of Science in Speech and Language Pathology, 2007, Yonsei University—South Korea

Major: Communication Sciences and Disorders
Dissertation: The Contribution of Location Context on Verb and Thematic Role Association: Evidence From Eye Tracking in Younger and Older Adults
Dissertation Chair: L. A. Edmonds

Sinyoung Park, Bachelor of Arts, 2005, Sungshin Women’s University—South Korea; Master of Public Health, 2007, Seoul National University—South Korea; Master of Science in Health Administration, 2009, University of Colorado at Denver

Major: Health Services Research
Dissertation: An Evaluation of the Impact of Provider Service Networks in Florida Medicaid Managed Care on Healthcare Process and Outcomes
Dissertation Chair: J. S. Harman

Grigory Pastukhov, Bakalavr Diploma, 2008, Diplom Magistra, 2010, Moscow Institute of Physics and Technology—Russia

Major: Industrial and Systems Engineering
Dissertation: Low Diameter Attack-Tolerant Clusters in Complex Networks
Dissertation Chair: V. L. Boginski

Iris Elaine Patten, Bachelor of Science, 2004, University of Maryland at College Park; Master of Arts in Urban and Regional Planning, 2007, University of Florida

Major: Design, Construction and Planning
Dissertation: Measuring Regional and Local Innovative Opportunity
Dissertation Chair: P. D. Zwick
Dissertation Co-chair: M. H. Carr

Konstantin I. Pavlikov, Diplom Kvalifikatsiya, 2007, Moscow State University—Russia

Major: Industrial and Systems Engineering
Dissertation: Optimization Topics in Risk Management
Dissertation Chair: S. Uryasev

Rachel J. Pawlitz, Bachelor of Arts in Biology, 1997, Truman State University—Missouri; Master of Arts, 2002, Macquarie University—Australia

Major: Interdisciplinary Ecology
Dissertation: War of Words: Ecosystems, Equity, and Adaptive Management in America’s Southeastern Water War
Dissertation Chair: K. Z. Schwartz
Dissertation Co-chair: W. Pine

Caroline Maree Payne-Purvis, Bachelor of Science cum laude, 2007, Master of Science, 2009, University of Florida

Major: Health and Human Performance
Dissertation: Assessing Risk Behaviors Associated with Disordered Eating Behaviors
Dissertation Chair: C. E. Stopka-Boyd
Dissertation Co-chair: E. H. Chaney

Sabra D. Pelham, Bachelor of Arts in Linguistics, 1996, Bachelor of Arts in Anthropology, 1999, Master of Arts in Linguistics, 2000, University of Kansas; Master of Science, 2012, University of Florida

Major: Psychology
Dissertation: Bilinguals, Monolinguals, and Bilinguals’ Attentional Control in the Presence of Cognitive and Emotional Distraction
Dissertation Chair: L. Abrams

Amanda L. Pendleton, Bachelor of Science summa cum laude, 2010, University of Florida

Major: Plant Molecular and Cellular Biology
Dissertation: Evolution of a Modern Pathogen: Genomic Mechanisms, Innovations, and Molecular Warfare
Dissertation Chair: J. M. Davis
Linh Thuy Pham, Bang Tot Nghiep Dai Hoc, 2007, Hanoi University of Technology—Vietnam

Major: Chemistry
Minor: Biochemistry and Molecular Biology
Dissertation Chair: G. Christou

Michael Phillips, Bachelor of Music in Music Education, 1992, State University of New York at Potsdam; Master of Science in Music Education, 1996, University of Illinois at Urbana-Champaign

Major: Music Education
Dissertation: Expert Wind Band Directors’ Perceptions of the Purpose and Value of Transcriptions in the Wind Band Repertoire
Dissertation Chair: W. Bauer
Dissertation Co-chair: D. A. Waybright

Jill Lynn Pineda, Bachelor of Science cum laude, 2009, Master of Education, 2011, University of Florida

Major: School Psychology
Dissertation Chair: N. L. Waldron

Orapat Pookkawes, Bachelor of Arts, 2001, Srinakharinwirot University—Thailand; Master of Arts, 2003, Chulalongkorn University—Thailand

Major: Linguistics
Dissertation: Social and Stylistic Variation of (R) in Bangkok Thai
Dissertation Chair: H. Blondeau

Katherine M. Poole, Bachelor of Science in Psychology, 2008, Bachelor of Science in Chemistry, 2008, Indiana University at Indianapolis; Master of Science, 2014, University of Florida

Major: Chemistry
Dissertation: Theoretical and Experimental Exploration of 3D Transition Metal Clusters and Their Magnetic Properties
Dissertation Chair: G. Christou

Rishi Prasad, Bachelor of Science in Agriculture, 2007, Govind Ballabh Plant University of Agriculture and Technology—India; Master of Science, 2008, West Virginia University

Major: Soil and Water Science
Minor: Agronomy
Dissertation Chair: G. J. Hochmuth
Dissertation Co-chair: C. J. Martinez

Hanyao Qiu, Bachelor of Law, 2008, Renmin University; Master of Arts, 2011, University of Florida

Major: Sociology
Minor: Statistics
Dissertation: Early Socioeconomic Attainment and the Lasting Effects of Adult Health for Employment Stability
Dissertation Chair: R. G. White
Dissertation Co-chair: C. L. Shehan

Marcela Quintero Tabares Jr., Titulo de Ecologa, 2001, Pontifica Universidad Javeriana—Colombia; Master of Science, 2009, University of Florida

Major: Agronomy
Dissertation: Mixed Crop-Livestock Systems and Conservation Tillage: Farm Profitability, Adoption Potential, and Environmental Impacts
Dissertation Chair: D. L. Wright
Dissertation Co-chair: J. A. Ferrell
Katalin Franciska Rac, Bachelor of Arts, 1999, Hebrew University of Jerusalem—Israel; Master of Arts in Nationalism Studies, 2005, Central European University—Hungary; Master of International Studies, 2005, Corvinus University of Budapest—Hungary

Major: History
Dissertation: Orientalism for the Nation Jews and Oriental Scholarship in Modern Hungary
Dissertation Chair: A. Freifeld
Dissertation Co-chair: M. B. Hart

Adeeba A. Raheem, Bachelor of Science in Architectural Engineering and Design, 2006, University of Engineering and Technology at Lahore—Pakistan; Master of Science in Building Construction, 2010, Master of Science, 2012, Master of Science, 2013, University of Florida

Major: Design, Construction, and Planning
Dissertation: Developing a Framework for a Reciprocal Safety Implementation System (RSIS) in the Pakistani Construction Industry
Dissertation Chair: R. Issa

Shivakeshavan G. Ratnadurai Giridharan, Bachelor of Engineering in Electrical and Electronics Engineering, 2008, Anna University at Chennai—India; Master of Science, 2010, University of Florida

Major: Biomedical Engineering
Dissertation: Influence of Synaptic Changes on Synchronization in Neuronal Networks
Dissertation Chair: S. Talathi
Dissertation Co-chair: P. Khargonekar

Abolfazl Ravanshad, Bachelor of Civil Engineering, 2005, Iran University of Science and Technology; Master of Science, 2008, Sharif University of Technology—Iran; Master of Science, 2012, University of Florida

Major: Civil Engineering
Dissertation: Image Texture Analysis to Evaluate Frictional Characteristics of Aggregates
Dissertation Chair: R. Roque

Janine Marie Razze, Bachelor of Arts in Environmental Science, 2008, New College of Florida; Master of Science in Entomology, 2010, University of Delaware

Major: Entomology and Nematology
Dissertation: Investigating IPM Tactics to Reduce Pest and Disease Pressure and Increase Marketable Yields in Organic Squash Production
Dissertation Chair: O. E. Liburd

Brian Engebos Reichert, Bachelor of Science in Fisheries and Wildlife, 2005, University of Minnesota; Master of Science, 2009, University of Florida

Major: Wildlife Ecology and Conservation
Dissertation: Spatial Structure in Demography and Movements of the Endangered Snail Kite: Revealing Multi-Scale Patterns and Their Implications for Conservation
Dissertation Chair: W. M. Kitchens

Jenna Brittany Renfroe, Bachelor of Arts magna cum laude, 2008, University of Delaware; Master of Science, 2010, University of Florida

Major: Psychology—Clinical and Health Psychology
Dissertation: Psychophysiology of Emotion in Parkinson’s Disease: Electroccortical Correlates of Emotional Perception, Preparation for Action and Anticipation
Dissertation Chair: D. Bowers
Dissertation Co-chair: M. M. Bradley

Cintia Leite Ribeiro, Bacharel em Ciencias Biologicas, 2009, Universidade Estadual Paulista—Brazil

Major: Plant Molecular and Cellular Biology
Dissertation: Molecular Characterization of Candidate Genes for Quantitative Traits in Populus
Dissertation Chair: M. Kirst

Jacob Richards, Bachelor of Science, 2010, Palm Beach Atlantic University—Florida

Major: Medical Sciences—Biochemistry and Molecular Biology
Dissertation: Pharmacological Modulation of the Circadian Protein Per1 and Its Action in the Kidney and Blood Pressure
Dissertation Chair: M. L. Gumz
Jeffrey Kyle Riley, Bachelor of Arts in Journalism, 2010, University of Central Florida; Master of Science, 2011, Ohio University

Major: Mass Communication
Dissertation: Shares, Likes, and Endorsement: Examining the Influence of Facebook Friends on Online Distribution of Misinformation
Dissertation Chair: J. E. Dodd

Paul Andrew Charles Robinson II, Bachelor of Science in Materials Science and Engineering cum laude, 2007, Master of Science, 2010, University of Florida

Major: Materials Science and Engineering
Dissertation: Fractal Analysis of Hydroxyapatite-Polysulfone Laminated Composites
Dissertation Chair: J. J. Mecholsky

Daniela Roditi, Bachelor of Arts in Psychology summa cum laude, 2008, Stetson University—Florida; Master of Science, 2010, University of Florida

Major: Psychology—Clinical and Health Psychology
Dissertation Chair: M. E. Robinson

Rafael Rodrigues de Oliveira, Bacharel em Ciencias Biologicas, 2007, Mestre em Genetica e Biologia Molecular, 2010, Universidade Federal do Rio Grande do Sul—Brazil

Major: Microbiology and Cell Science
Dissertation: Production of 2,3-Butanediol in Escherichia coli and Bacillus subtilis
Dissertation Chair: W. L. Nicholson

Vermál Rodriguez De Jests, Bachelor of Science in Biotechnology, 2006, University of Puerto Rico at Mayaguez

Major: Medical Sciences—Physiology and Pharmacology
Dissertation: Understanding Prorenin-induced Hypothalamic Astrocyte Activation and the Role of Astrogliosis During Neurogenic Hypertension
Dissertation Chair: C. Sumners

Ana Maria Rogers, Bachelor of Science in Civil Engineering, 2005, University of Rhode Island; Master of Science in Civil Engineering, 2007, Georgia Institute of Technology

Major: Environmental Engineering Sciences
Dissertation: Ultraviolet Activated Treatment of Mercury Wastewater in the Presence of Selected Competing Ligands
Dissertation Chair: D. W. Mazyck

Andrew Justin Ropicki, Bachelor of Science in Business Administration with honors, 2002, Master of Science, 2004, Master of Science, 2009, University of Florida

Major: Food and Resource Economics
Dissertation: An Analysis of IFQ Trading in the Gulf of Mexico Commercial Red Snapper Fishery: Three Essays
Dissertation Chair: S. L. Larkin

Alex Lewis Rubenstein, Bachelor of Arts in Business Administration, 2009, University of Washington at Seattle

Major: Business Administration—Management
Dissertation: The Comparative Effects of Insider Helping Motives on Newcomer Adjustment
Dissertation Chair: J. D. Kammeyer-Mueller

Nick Warren Ruktanonchai, Bachelor of Science in Biology, 2008, Centre College—Kentucky

Major: Zoology
Dissertation: Mosquitoes in Space: How Movement and Landscape Influence Mosquito Distribution and Disease Transmission
Dissertation Chair: D. L. Smith
Dissertation Co-chair: P. De Leenheer

Joseph A. Rukus Jr., Bachelor of Science in Business Administration and Finance, 1990, Xavier University—Ohio; Bachelor of Arts, 2007, San Francisco State University—California; Master of Regional Planning, 2009, Cornell University—New York

Major: Criminology, Law, and Society
Dissertation: Paving a Positive Path: An Evaluation of the Alachua County Work Release Program
Dissertation Chair: J. S. Lane
Renee Christine Ryals, Bachelor of Science cum laude, 2009, University of Florida
Major: Medical Sciences–Molecular Cell Biology
Dissertation: Expanding the Utility of AAV Gene Therapy for CEP290-Leber Congenital Amaurosis
Dissertation Chair: W. W. Hauswirth

Norma Ramona Samuel, Bachelor of Science in Plant Protection, 1997, Master in Plant Protection and Pest Management, 1999, University of Georgia
Major: Agricultural Education and Communication
Minor: Nonprofit Organizations
Dissertation: An Examination of the Competencies and Professional Development Needs of Extension Officers in the Caribbean Community (Caricom)
Dissertation Chair: A. M. Harder

Generosa A. Sangco-Jackson, Bachelor of Arts, 2003, Master of Arts, 2006, University of Florida
Major: Classical Studies
Dissertation: Horace’s Roman Odes: A Therapeutic Reading
Dissertation Chair: T. S. Johnson

Nicolas Francois Sauty, Licence de Sciences et Technologies Mention Chime, 2008, Master de Sciences et Technologies Mention Chime Fondamentale et Appliquée, 2010, Université Pierre et Marie Curie—France
Major: Chemistry
Dissertation: Precision Polyolefins Containing Aromatic Moieties
Dissertation Chair: K. B. Wagener
Dissertation Co-chair: B. S. Sumerlin

Jonathan E. Schelfhout, Bachelor of Science, 2009, Bachelor of Arts, 2009, University of Florida
Major: Pharmaceutical Sciences–Pharmaceutical Outcomes and Policy
Dissertation: Comparative Safety and Effectiveness of Total Hip Arthroplasty Articulating Surfaces
Dissertation Chair: A. G. Hartzema

Melody Karen Schiaffino-Castro, Bachelor of Arts in Spanish, 2001, Bachelor of Arts in Interdisciplinary Studies, 2001, University of Missouri at Columbia; Master of Arts, 2008, University of South Florida
Major: Health Services Research
Dissertation: A Spatial and Organizational Approach to Measuring Disparities in Hospital Language Services
Dissertation Chair: R. P. Duncan

Sarah Kiley Schoff, Bachelor of Arts in Anthropology, 2000, University of Maine; Master of Science in Human Biology, 2007, University of Indianapolis—Indiana
Major: Anthropology
Dissertation: Estimating the Postmortem Interval in Florida: A Regional Validation Study Using Geospatial Analysis
Dissertation Chair: M. W. Warren

Alan Frank Schultz, Bachelor of Arts in Anthropology, 2004, Master of Public Health, 2006, University of Iowa
Major: Anthropology
Dissertation: Biocultural Analyses of Social Status, Cultural Meaning, and Chronic Stress Among Tsimane’ Forager-Horticulturalists in Lowland Bolivia and Urban Puerto Ricans
Dissertation Chair: C. C. Gravlee

Michael D. Schulz, Bachelor of Science in Chemistry, 2010, University of Iowa
Major: Chemistry
Dissertation: From Metathesis to Metastases: Developing Applications of Insertion Metathesis and Polymeric Radionuclide-Delivery Vehicles
Dissertation Chair: K. B. Wagener

Gyungseon Seol, Bachelor of Science, 2005, Hanyang University—South Korea; Master of Science, 2007, Seoul National University—South Korea
Major: Electrical and Computer Engineering
Dissertation: Device Simulation of Functionalized 2D Material
Dissertation Chair: J. Guo
Stephanie Lynn Shaw, Bachelor of Arts in Zoology, 2004, Ohio Wesleyan University; Master of Science in Wildlife and Fisheries Sciences, 2010, South Dakota State University

Major: Fisheries and Aquatic Sciences
Dissertation: Reproduction and Recruitment of Florida Bass Micropterus Floridanus
Dissertation Chair: M. S. Allen

Isaac Shearn, Bachelor of Arts in Anthropology, 2004, University of Vermont; Master of Arts, 2009, University of Florida

Major: Anthropology
Dissertation: Pre-Columbian Regional Community Integration in Dominica, West Indies
Dissertation Chair: M. J. Heckenberger

Ravi Shekhar, Bachelor of Technology in Information and Communication Technology, 2006, Dhirubhai Ambani Institute of Information and Communication Technology—India; Master of Science, 2009, University of Florida

Major: Electrical and Computer Engineering
Dissertation: The Adaptive Time Machine
Dissertation Chair: J. G. Harris

Yu Shen, Bachelor of Science, 2009, Nanjing University—China

Major: Physics
Dissertation: Ultra-Thin, Highly Uniform, Sprayed Single Wall Carbon Nanotubes for Vertical Field Effect Transistors
Dissertation Chair: A. G. Rinzler

Herschel E. Shepard III, Bachelor in English Literature, 1995, University of North Florida; Master of Arts, 2003, University of Florida

Major: English
Dissertation: Saved by Zero: Sovereignty and (Super)Heroics after 9/11
Dissertation Chair: J. P. Leavey

Soim Shin, Bachelor of Science, 1999, Yonsei University—South Korea; Bachelor of Arts, 2002, Korea University; Master of Arts, 2005, Ohio State University

Major: Curriculum and Instruction
Dissertation: Three Native English-Speaking Teachers Construction of Their Identities as Instructors While Teaching in South Korean Middle and High Schools
Dissertation Chair: D. Fu

Caleb B. Simmons, Bachelor of Arts in Religious Studies, 2005, Missouri State University; Master of Arts in Religion, 2008, Florida State University

Major: Religion
Dissertation: The Goddess and the King: Camundesvari and the Fashioning of the Wodeyar Court of Mysore
Dissertation Chair: V. R. Narayan
Dissertation Co-chair: T. L. Smith

Savyasachi Singh, Bachelor of Technology in Electronics and Communication Engineering, 2005, Vellore Institute of Technology; Master of Science, 2007, University of Florida

Major: Electrical and Computer Engineering
Dissertation: Automatic Assessment of Disordered Speech Intelligibility
Dissertation Chair: J. G. Harris

Corbitt Stace Sirmans, Bachelor of Science in Finance, 2009, Florida State University

Major: Business Administration—Finance
Dissertation: Credit Risk Effects in Corporate Finance and Investments
Dissertation Chair: A. Naranjo

Alfredo L. Sklar, Bachelor of Arts with honors in Psychology, 2007, Haverford College—Pennsylvania

Major: Medical Sciences—Neuroscience
Dissertation: Early Processing Deficits Following Moderate Alcohol Consumption
Dissertation Chair: S. J. Nixon
Katherine E. Skorpinski, Bachelor of Science in Anthropology, 2006, Michigan State University; Master of Arts, 2009, University of Florida

Major: Anthropology
Dissertation: Investigating the Role of Diet in U.S. Craniofacial Secular Trends
Dissertation Chair: D. Daegling

Daniel Jeffry Smith, Bachelor of Science in Civil Engineering magna cum laude, 2010, Master of Engineering, 2014, University of Florida

Major: Civil Engineering
Dissertation: The Wind Resistance of Clay and Concrete Roofing Tiles
Dissertation Chair: F. Masters

Inkyung Song, Bachelor of Arts, 2007, Ewha Womans University—South Korea; Master of Arts, 2009, New York University

Major: Psychology
Dissertation: Sensory Gain Changes During Visual Fear Conditioning: Evidence From Electrophysiology and Psychophysics
Dissertation Chair: A. Keil

Xuyang Song, Bachelors of Economics, 2005, Shenyang Pharmaceutical University—China

Major: Pharmaceutical Sciences—Pharmacy
Dissertation: Meta-Analysis of Sex Impact on Rheumatoid Arthritis Treatment Response with Biologics
Dissertation Chair: H. C. Derendorf


Major: Public Health
Dissertation: An In-Depth Examination of Hookah and Alcohol Concurrent Use Among Young Adults
Dissertation Chair: T. E. Barnett

Matthew Edward Souther, Bachelor of Science in Business Administration, 2006, Auburn University—Alabama; Master of Science, 2008, University of North Carolina at Charlotte

Major: Business Administration—Finance
Dissertation: Essays in Corporate Governance
Dissertation Chair: M. D. Ryngaert

Shantih M. Spanton, Bachelor of Science, 2006, University of Wisconsin at Eau Claire

Major: Industrial and Systems Engineering
Dissertation: Network Models for Performance Analysis and Optimization
Dissertation Chair: J. F. Geunes
Dissertation Co-chair: J. Smith

Sridhar Srinivasan, Bachelor of Engineering, 2004, Bharathiar University—India; Master of Science, 2006, Master of Science, 2011, University of Florida

Major: Psychology
Dissertation: Selective Attention Modulates Peripheral Auditory Function
Dissertation Chair: D. W. Smith

Jennifer Joy Stamps, Bachelor of Arts in Psychology, 2001, Vanderbilt University—Tennessee

Major: Medical Sciences—Neuroscience
Dissertation: Chemosensory Function During Healthy Aging, Alzheimer’s, and Parkinson’s Disease
Dissertation Chair: L. M. Bartoshuk
Dissertation Co-chair: K. M. Heilman

Jessica Elizabeth Steele, Bachelor of Science, 2001, Michigan Technological University; Master of Arts, 2005, Clark University—Massachusetts

Major: Geography
Dissertation: Examining Spatiotemporal Landscape Variability Through Hyperspectral, Multispectral, and Field Spectroscopy Analyses
Dissertation Chair: J. Southworth
Dissertation Co-chair: G. Kiker
Forrest Robert Stevens, Bachelor of Arts, 1998, University of Chicago—Illinois; Master of Science, 2009, University of Florida
Major: Geography
Dissertation: Sensing Change: Methodologies of Scale and Analyzing Interactions of Land Cover, Land Use and Forest Changes in Wallowa County, Oregon
Dissertation Chair: J. Southworth
Dissertation Co-chair: G. Kiker

Stuart Kenneth Strome, Bachelor of Arts in Political Science, 2005, Florida Atlantic University; Master of Arts, 2011, University of Florida
Major: Political Science
Dissertation: Englands Answer Identity and Legitimation in British Foreign Policy
Dissertation Chair: M. Brown

Gregory S. Stupp, Bachelor of Science, 2009, University of Florida
Major: Medical Sciences—Biochemistry and Molecular Biology
Dissertation: Metabolomics as a Tool for Understanding Stress Responses in Caenorhabditis Elegans
Dissertation Chair: A. S. Edison
Dissertation Co-chair: P. A. Gulig

Dhivya R. Sudhan, Master of Science, 2008, University of Mumbai—India
Major: Medical Sciences—Physiology and Pharmacology
Dissertation: Cathepsin L Targeting in Metastatic Disease
Dissertation Chair: D. W. Siemann

Dong Hee Suh, Bachelor of Economics, 2005, Korea University; Master of Arts in Economics, 2008, University of California at Irvine
Major: Food and Resource Economics
Dissertation: The Unintended Consequences of the Ethanol Mandate in the Agricultural and Energy Sectors
Dissertation Chair: C. B. Moss

Yanglan Tan, Bachelor of Science, 2009, Nanjing University—China
Major: Chemistry
Dissertation: Infrared Multiple Photon Dissociation—Mass Spectrometry of Monosaccharides, Disaccharides, Trisaccharides and Their Derivatives for Isomeric Differentiation
Dissertation Chair: N. C. Polfer

Ming Tang, Bachelor of Science, 2008, Shanghai Jiao Tong University—China
Major: Genetics and Genomics
Dissertation: Epigenetic Regulations of Cancer
Dissertation Chair: J. Lu

Nii Adjetey Tawiah, Bachelor of Arts, 1999, University of Ghana; Master of Arts in Sociology magna cum laude, 2010, North Carolina Central University
Major: Sociology
Dissertation: Maternal Job Loss and Inequalities in Child Academic Achievement
Dissertation Chair: R. G. White

Major: Interdisciplinary Ecology
Dissertation: Objective Bayesian Methods for Occupancy Model Estimation and Selection
Dissertation Chair: L. Young
Dissertation Co-chair: N. A. Bliznyuk

Patrick Charles Thiaville, Bachelor of Science in Biological Sciences, 2000, Southeastern Louisiana University
Major: Genetics and Genomics
Dissertation: Cellular Responses to Threonylcarbamoyladenosine (t6A) Deficiency in Saccharomyces cerevisiae
Dissertation Chair: V. De Crecy-Lagard
Sadie A. Thomas, Artium Baccalaureus cum laude, 2000, Cornell University—New York; Master of Science, 2005, University of West Florida
Major: Industrial and Systems Engineering
Dissertation: Survival Probability on Networks with Memory and Fortification
Dissertation Chair: J. Smith

Di Tian, Bachelor of Engineering, 2005, Master of Management, 2010, China University of Geosciences
Major: Agricultural and Biological Engineering
Dissertation: Improving Medium-Range and Seasonal Hydroclimate Forecasts in the Southeast U.S.
Dissertation Chair: C. J. Martinez

Rujira Tisarum, Bachelor of Science, 2002, Chulalongkorn University—Thailand; Master of Science in Agriculture, 2006, Kasetsart University—Thailand
Major: Soil and Water Science
Dissertation: Antimony Uptake, Efflux and Speciation in Arsenic Hyperaccumulator Pteris Vittata
Dissertation Chair: L. Q. Ma
Dissertation Co-chair: B. Rathinasabapathi

Lana Dia Tolaymat, Bachelor of Science summa cum laude, 2007, Master of Science, 2011, University of Florida
Major: Counseling Psychology
Dissertation Chair: B. Moradi

Carrie Lisa Torrey, Bachelor of Arts in Psychology summa cum laude, 2006, Marist College—New York; Master of Science, 2011, University of Florida
Major: Counseling Psychology
Dissertation: Calling in Retirement: A Mixed Methods Study
Dissertation Chair: R. D. Duffy

Jose Antonio Tovar Aguilar, Licenciado en Filosofia, 1997, Universidad de Guanajuato—Mexico; Master of Arts, 2008, University of Florida
Major: Anthropology
Dissertation: Strategies of Safety and Health Among Citrus Farmworkers in Florida: A Cultural and Social Network Approach
Dissertation Chair: C. McCarty

Sarah Katelyn Traphagen, Bachelor of Arts in English magna cum laude, 2008, Niagara University—New York; Master of Arts in English, 2010, State University of New York at Buffalo
Major: English
Dissertation: Bite the Belt: The Surgeon in Civil War Literature
Dissertation Chair: S. A. Smith

Nazli Zeynep Turken, Bachelor of Science in Industrial Engineering, 2006, Pennsylvania State University; Master of Engineering, 2008, University of Florida
Major: Business Administration–Information Systems and Operations Management
Dissertation: Environmentally and Socially Responsible Operations
Dissertation Chair: J. E. Carrillo

Callie Elizabeth Tyner, Master of Science, 2010, University of Florida
Major: Psychology–Clinical and Health Psychology
Dissertation: Applications of Item Response Theory and Rasch Analysis to Neuropsychological Assessment of Attention
Dissertation Chair: S. C. Heaton

Janna Lynn Underhill, Bachelor of Science, 1990, Master of Forest Resources and Conservation, 1994, Master of Education, 2002, University of Florida
Major: Research and Evaluation Methodology
Dissertation: The Robustness of Kernel Equating as Non-Normality Occurs Under the Equivalent Groups Design
Dissertation Chair: M. D. Miller
Christine O. Valcarce, Bachelor of Science in Environmental Engineering summa cum laude, 2010, Master of Engineering, 2011, University of Florida

Major: Environmental Engineering Sciences
Dissertation: Multi-Variable Linear Regression Analysis of Powdered Activated Carbon Performance for the Removal of Trace Concentrations of 2-Methylisoborneol and Atrazine From Natural Waters
Dissertation Chair: D. W. Mazyck

Billy Valderrama, Bachelor of Science in Materials Science and Engineering cum laude, 2010, Master of Science, 2012, University of Florida

Major: Materials Science and Engineering
Dissertation: Investigations of Ion-Irradiated Uranium Dioxide Nuclear Fuel with Laser-Assisted Atom Probe Tomography
Dissertation Chair: M. V. Manuel

James Robert Van Scotter II, Bachelor of Arts summa cum laude, 2006, Master of Business Administration, 2007, University of Florida

Major: Business Administration—Management
Dissertation: CEO Personality in Strategic Research: An Alternative Approach
Dissertation Chair: H. Tosi

Brandon L. Velez, Bachelor of Science cum laude, 2009, Bachelor of Arts cum laude, 2009, Master of Science, 2011, University of Florida

Major: Counseling Psychology
Dissertation: Testing the Moderating Role of Collective Identity in the Link of Heterosexist Discrimination with Mental Health
Dissertation Chair: B. Moradi

Tristan C. Vellinga, Bachelor of Science in Political Science, 2007, University of Iowa; Master of Arts, 2010, University of Florida

Major: Political Science
Dissertation: Controlling the Agenda: EU Accession and Political Competition in Turkey
Dissertation Chair: A. D. Kreppel

Prasanna Kumar Venuvanalingam, Bachelor of Engineering, 2005, Anna University—India; Master of Science, 2009, University of Florida

Major: Mechanical Engineering
Dissertation: Bubble Sliding Heat Transfer Enhancement in Forced Convective Flow: Liquid Crystal Thermography and Computational Study
Dissertation Chair: J. F. Klausner
Dissertation Co-chair: R. Mei

Matthew Martin Vernon, Bachelor of Science in Biomedical Engineering, 2007, University of Texas at Austin; Master of Engineering, 2010, University of Florida

Major: Biomedical Engineering
Dissertation: Enhancing Magnetic Nanoparticle Based-DNA Transfection: Intracellular-Active Cassette Features
Dissertation Chair: J. Dobson

Chrysafis Vogiatzis, Diploma, 2009, Aristotle University of Thessaloniki—Greece; Master of Science, 2012, University of Florida

Major: Industrial and Systems Engineering
Dissertation: Exact and Heuristic Approaches to Solving Sensor Placement, Routing, and Tracking Problems
Dissertation Chair: P. M. Pardalos

Michael E. von Fricken, Bachelor of Science in Health Science, 2008, James Madison University—Virginia; Master of Public Health, 2011, University of Florida

Major: Public Health
Dissertation: Malaria Treatment Policy, Management, and Epidemiology in Haiti
Dissertation Chair: B. A. Okech

Ekaterina A. Vorotnikova, Bachelor of Science in Computer Engineering, 2005, Master of Arts, 2009, University of South Florida; Master of Science, 2013, University of Florida

Major: Food and Resource Economics
Dissertation: Risk Management and Allocation in Dynamic Systems
Dissertation Chair: J. J. Vansickle
Dissertation Co-chair: T. Borisova
David Robert Earl Walker, Bachelor of Science in Mechanical Engineering, 2009, Master of Science, 2012, University of Florida

Major: Mechanical Engineering
Dissertation: Patient Specific Computational Modeling to Assess Reverse Shoulder Arthroplasty
Dissertation Chair: S. A. Banks

Jose Luis Walteros, Ingeniero Industrial, 2006, Magister en Ingenieria Industrial, 2007, Universidad de Los Andes—Colombia

Major: Industrial and Systems Engineering
Dissertation Chair: P. M. Pardalos

Laura D. Wandner, Bachelor of Arts in Government summa cum laude, 2007, Connecticut College; Master of Science, 2011, University of Florida

Major: Psychology—Clinical and Health Psychology
Dissertation: Effect of a Perspective Taking Intervention on Consideration of Race, Sex, and Age in Pain Assessment and Treatment Decisions
Dissertation Chair: M. E. Robinson

Bo Wang, Bachelor of Science, 2006, Master of Science, 2009, Tsinghua University—China

Major: Biomedical Engineering
Dissertation: Photoacoustic Technologies and Their Application in the Study of Epileptic Seizures in Rats
Dissertation Chair: H. Jiang

Lan Wang, Bachelor of Engineering, 2009, Tsinghua University—China

Major: Business Administration—Information Systems and Operations Management
Dissertation: Essays on Supply Chain Management
Dissertation Chair: A. J. Vakharia
Dissertation Co-chair: T. Rajapakse

Letian Wang, Master of Engineering in Chemical Engineering, 2009, University College London—United Kingdom

Major: Agricultural and Biological Engineering
Dissertation: Polymer Composites Reinforced by Inorganic Nanoparticles and Lignocellulose
Dissertation Chair: Z. Tong

Ruoxuan Wang, Bachelor of Engineering, 2008, Tsinghua University—China

Major: Business Administration—Information Systems and Operations Management
Dissertation: Essays on Supply Chain Coordination
Dissertation Chair: J. E. Carrillo

Yi-Chung Wang, Bachelor of Science, 2005, National Cheng Kung University—Taiwan; Master of Science, 2009, University of Florida

Major: Chemistry
Dissertation: Plasmonics: The Enhanced Electromagnetic Field and Applications
Dissertation Chair: W. Wei

Samantha Marie Waters, Bachelor of Science in Biology, 2006, University of Central Florida

Major: Microbiology and Cell Science
Dissertation: How Does Bacillus subtilis Respond and Adapt to Low-Pressure Growth?
Dissertation Chair: W. L. Nicholson

Johann Everton Christopher Weekes, Bachelor of Science in Civil Engineering cum laude, 2004, Master of Engineering, 2006, University of Florida

Major: Civil Engineering
Dissertation: Predicting the Vulnerability of Typical Commercial and Single Family Residential Buildings to Hurricane Damage
Dissertation Chair: K. R. Gurley

Jared Wayne Westbrook, Master of Science, 2009, University of Florida

Major: Plant Molecular and Cellular Biology
Dissertation: Genomic Analysis of Stem Terpene Traits in Loblolly Pine
Dissertation Chair: J. M. Davis
Sarah Haverty White, Bachelor of Science summa cum laude, 2007, Master of Science, 2010, University of Florida
   Major: Animal Sciences
   Minor: Applied Physiology and Kinesiology
   Dissertation: Adaptations to Skeletal Muscle and Antioxidant Status in Response to Exercise Training and Diet in Equine Athletes
   Dissertation Chair: L. Warren

Christopher Erik Wilson, Bachelor of Arts in Communication, 1999, Master of Arts in Communication, 2009, Brigham Young University—Utah
   Major: Mass Communication
   Dissertation: The Impact of Dominant Coalition Environmental Values and Perceptions on Public Relations Management
   Dissertation Chair: K. S. Kelly

Tenisha D. Wilson, Bachelor of Science summa cum laude, 2008, University of Florida
   Major: Microbiology and Cell Science
   Dissertation: Alterations in T Cell Functions Mediated by SOCS1 Deficiency: Implications for SLE Development and Revelation of a Novel Biological Target
   Dissertation Chair: J. Larkin III

Timothy J. Wilson, Bachelor of Science in Criminology cum laude, 1997, Master of Arts, 2002, Ball State University—Indiana
   Major: Higher Education Administration
   Dissertation: Assessing Internationalization Efforts: Utilizing Item Response Theory to Validate Intercultural Competency and Global Awareness in Postsecondary Undergraduate Students
   Dissertation Chair: D. F. Campbell
   Dissertation Co-chair: M. D. Miller

   Major: Music
   Dissertation: “Because the People Will Like It”: The Changing Gnawa Ritual in Morocco
   Dissertation Chair: L. N. Crook

Ryan Matthew Wood, Bachelor of Science in Chemistry cum laude, 2008, Virginia Commonwealth University
   Major: Chemistry
   Dissertation: Strain Enhanced Optically Pumped Nuclear Magnetic Resonance in Bulk and Quantum Confined III-V Semiconductors
   Dissertation Chair: C. R. Bowers

Walton E. Wood, Bachelor of Arts summa cum laude, 2008, Master of Arts, 2011, University of Florida
   Major: English
   Dissertation: Fractal Poetics in William Blake’s Urizen Trilogy
   Dissertation Chair: D. D. Ault

Shelton Lavelle Wright Jr., Bachelor of Science in Chemical Engineering, 2002, Bachelor of Science, 2005, University of Florida
   Major: Agricultural and Biological Engineering
   Minor: Environmental Engineering Sciences
   Dissertation Chair: B. A. Welt

Ruijin Wu, Bachelor of Engineering, 2009, Shanghai Jiao Tong University—China
   Major: Computer Engineering
   Dissertation: Confining and Sampling Applied to Computer Graphics And Molecular Science
   Dissertation Chair: J. Peters
   Dissertation Co-chair: M. Sitharam

Jing Xie, Bachelor of Economics, 2006, Zhongnan University of Economics and Law—China; Master of Economics, 2009, Xiamen University—China; Master of Science in Economics, 2009, Singapore Management University
   Major: Food and Resource Economics
   Dissertation: Three Essays on Consumer Preferences and Behavior Analysis
   Dissertation Chair: Z. Gao
   Dissertation Co-chair: L. O. House
Changmou Xu, Bachelor of Engineering, 2007, Jiangxi Agricultural University—China; Master of Engineering Science, 2010, China Agricultural University
Major: Food Science
Minor: Food and Resource Economics
Dissertation: Quality Assessment, Antioxidant and Antimicrobial Activities and Acrylamide Inhibition in Muscadine Grapes
Dissertation Chair: M. R. Marshall

Xiaofan Xu, Bachelor of Science, 2009, Fudan University—China
Major: Statistics
Dissertation: Bayesian Variable Selection and Estimation
Dissertation Chair: M. Ghosh

Anna Yam, Bachelor of Arts in Linguistics, 2003, University of California at San Diego; Master of Science, 2010, University of Florida
Major: Psychology—Clinical and Health Psychology
Dissertation: The Effects of Spatially Demanding Videogame Training on Mental Rotation Performance and Confidence in Older Adults
Dissertation Chair: M. Marsiske

Maryam Yashtini, Diploma of Bachelor’s Degree, 2004, University of Tabriz—Iran; Diploma of Master’s Degree, 2007, Tarbiat Modares University—Iran; Master of Science, 2012, University of Florida
Major: Mathematics
Dissertation: Fast TV-Regularized Large-Scale and Ill-Conditioned Linear Inversion with Application to Partially Parallel Imaging
Dissertation Chair: W. W. Hager

Jeffrey Paul Yeakel, Bachelor of Arts in Classics, 2007, Davidson College—North Carolina; Master of Arts, 2009, University of Florida
Major: Classical Studies
Dissertation Chair: A. O. Wolpert

Sencer Nuri Yeralan, Bachelor of Science in Computer Engineering cum laude, 2006, University of Florida
Major: Computer Engineering
Dissertation: High Performance Computing with Sparse Matrices and GPU Accelerators
Dissertation Chair: T. A. Davis

Yiming Yin, Bachelor of Science, 2009, Peking University—China
Major: Medical Sciences—Immunology and Microbiology
Dissertation: Systemic Lupus Erythematosus Is Associated with Enhanced CD4 T Cell Metabolism and Can Be Normalized by Metabolic Modulators
Dissertation Chair: L. Morel

Young Mee Yoon, Bachelor of Science, 2005, Kyung Hee University—South Korea; Master of Science, 2007, Hanyang University—South Korea
Major: Medical Sciences—Immunology and Microbiology
Dissertation: Development of a Tolerogenic, Hydrogel Microparticle Matrix for the Prevention of Type 1 Diabetes in Nod Mice
Dissertation Chair: M. A. Atkinson

Jordan Ryan Youngblood, Bachelor of Arts in Literary Studies summa cum laude, 2008, University of Texas at Dallas; Master of Arts in English, 2010, University of Mississippi
Major: English
Dissertation: Inter-Acting with Games: A Dialogue Between Queer and Game Studies
Dissertation Chair: K. L. Emery

Hao Yue, Bachelor of Engineering, 2009, Xidian University—China
Major: Electrical and Computer Engineering
Dissertation: Protocol Design and Optimization for Future Wireless Systems
Dissertation Chair: Y. Fang
Mahmood Zangui, Bachelor of Science, 2007, Master of Science, 2010, Sharif University of Technology—Iran; Master of Science, 2014, University of Florida

Major: Civil Engineering
Dissertation: Differentiated Congestion Pricing of Transportation Networks
Dissertation Chair: Y. Yin
Dissertation Co-chair: S. Lawphongpanich

Jue Zhang, Bachelor of Natural Science, 2008, University of Science and Technology of China

Major: Physics
Dissertation: Attempts to Understand the Flavor Puzzles
Dissertation Chair: P. Ramond

Ming Zhang, Bachelor of Engineering, 2004, East China University of Science and Technology; Master of Natural Science Chemistry, 2008, University of Science and Technology of China; Master of Science, 2011, University of Georgia; Master of Science, 2014, University of Florida

Major: Agricultural and Biological Engineering
Dissertation: Preparation and Characterization of Nanostructured Functional Carbon Materials and Their Environmental Applications
Dissertation Chair: B. Gao
Dissertation Co-chair: J. L. Ullman

Chaoyue Zhao, Bachelor of Science, 2010, Fudan University—China

Major: Industrial and Systems Engineering
Dissertation: Data-Driven Risk-Averse Stochastic Program and Renewable Energy Integration
Dissertation Chair: Y. Guan

Chenxi Zhou, Bachelor of Management, 2005, Nanchang University—China; Master of Management, 2007, Tianjin University—China

Major: Business Administration—Marketing
Dissertation: Three Essays on Marketing Decision Making Under Uncertainties
Dissertation Chair: J. Xie

Le Zhou, Bachelor of Science, 2009, Peking University—China; Master of Science in Psychology, 2011, University of Maryland at College Park

Major: Business Administration—Management
Dissertation: A Formal Model of Leadership in Team Goal Pursuit: Team Design, Team Composition, and Dynamic Leader Regulatory Processes
Dissertation Chair: M. Wang

Ying Zhou, Bachelor of Science, 2007, Fudan University—China; Master of Science, 2009, Master of Science, 2009, University of Florida

Major: Business Administration—Accounting
Dissertation: Economic Consequences of Disclosure Regulation: The Case of Segment Reporting
Dissertation Chair: J. Tucker

Likai Zhu, Bachelor of Science, 2007, Qufu Normal University—China; Master of Science, 2010, Peking University—China

Major: Geography
Minor: Landscape Ecology Modeling
Dissertation: Remote Sensing Based Vegetation Dynamics in Southern Africa: Physiographic Gradients Determine the Relative Importance of Environmental Controls on Savanna Vegetation
Dissertation Chair: J. Southworth

Luning Zhuang, Bachelor of Engineering, 2006, Tianjin University—China; Master of Statistics, 2013, University of Florida

Major: Pharmaceutical Sciences—Pharmacy
Dissertation: Dose Optimization of Vertilmicin Using Pharmacokinetic/Pharmacodynamic Modeling and Simulation
Dissertation Chair: H. C. Derendorf

Lisa Anne Zukowski, Bachelor of Arts in Anthropology, 2005, University of Texas at Austin; Master of Arts, 2009, University of Florida

Major: Health and Human Performance
Dissertation: Wheelchair Propulsion Style After a Bout of Fatiguing Propulsion May Contribute to Wrist Overuse Injuries in Terms of Wrist Movement Variability Changes, Extreme Wrist Orientation Changes, and the Relationship to Propulsion Performance
Dissertation Chair: M. D. Tillman
Laura Angela Alvarez, Bachelor of Science in Child Development, 2003, Florida State University; Master of Education in Educational Leadership, 2009, Stetson University—Florida

Major: Educational Leadership
Dissertation: Exploring the Perceptions and Experiences of Temporary Certified Teachers in Mentoring Relationships
Dissertation Chair: B. Oliver


Major: Educational Leadership
Dissertation: Student and Teacher Perceptions of Student Engagement in the Classroom
Dissertation Chair: B. Oliver

Sarah Elizabeth Burd, Bachelor of Science in Education, 2000, Master of Science in Education in Elementary Education, 2001, Samford University—Alabama; Specialist in Education, 2009, University of Florida

Major: Educational Leadership
Dissertation: Relationship Between Selected School and Student Characteristics and Principal Turnover in One Florida School District
Dissertation Chair: B. Oliver

Kathy I. Christensen, Bachelor of Science in Education, 1979, Miami University—Ohio; Master of Arts, 1993, University of South Florida; Specialist in Education, 2008, University of Florida

Major: Curriculum and Instruction
Dissertation: Using Collaborative Writing to Help English Language Learners Actualize the Common Core State Standards
Dissertation Chair: N. L. Dana
Dissertation Co-chair: B. L. Kennedy-Lewis

Kevin Lee Clarke, Bachelor of Science in Marketing, 1988, University of Central Florida; Master of Education, 2007, University of Florida

Major: Higher Education Administration
Dissertation: Analysis of the Transition of the Role of the Chief Human Resource Officer at a Research Extensive University: A Qualitative Study
Dissertation Chair: D. F. Campbell

Mary R. Conage, Bachelor of Arts in Elementary Education, 1986, Eckerd College—Florida; Master of Arts in Elementary Education, 2002, University of South Florida at St. Petersburg

Major: Curriculum and Instruction
Dissertation: Constructing Knowledge and Practice of Culturally Responsive Teaching in an Early Childhood Context
Dissertation Chair: N. L. Dana
Dissertation Co-chair: B. L. Kennedy-Lewis

Jazmyn Alston Davis, Bachelor of Arts cum laude, 2005, University of Florida; Master of Science, 2007, Florida State University

Major: Higher Education Administration
Dissertation: Precollege Counseling in Georgia State Prisons: A Case Study
Dissertation Chair: D. F. Campbell

Ann Fradkin-Hayslip, Bachelor of Arts, 1978, Hampshire College—Massachusetts; Master of Education in Leadership, 1990, Stetson University—Florida; Specialist in Education, 2012, University of Florida

Major: Educational Leadership
Dissertation: Exploratory Study of Teacher Autonomy in Elementary School Teachers
Dissertation Chair: B. Oliver

Susan M. Jordan, Bachelor of Science, 1989, Master of Education, 1992, University of South Florida; Specialist in Education, 2009, University of Florida

Major: Educational Leadership
Dissertation: Lenses on Instructional Coaching: Exploring the Professional Practices of Elementary School Reading Coaches
Dissertation Chair: L. S. Behar-Horenstein
Charmyn M. Kirton, Bachelor of Music in Music Education, 1979, Master of Arts in Music, 1979, Andrews University—Michigan
Major: Curriculum and Instruction
Dissertation: The Perspectives of Novice Principals in High-Poverty, Low-Performing Schools: Challenges Faced and Support Needed
Dissertation Chair: E. Bondy

Michelle Fiore Licata, Bachelor of Science, 1996, Florida State University; Master of Science in Psychology, 2001, Nova Southeastern University—Florida; Specialist in Education, 2012, University of Florida
Major: Educational Leadership
Dissertation: An Analysis of Teacher Communication Patterns with Parents Whose Children Attend an Online School
Dissertation Chair: B. Oliver

Karen L. Mallory, Bachelor of Arts in English, 2002, University of South Florida; Master of Reading Education, 2007, University of South Florida at St. Petersburg
Major: Curriculum and Instruction
Dissertation: Instructional Leadership to Enhance Implementation of Common Core State Standards in Secondary English
Dissertation Chair: A. Adams

Major: Educational Leadership
Dissertation: Administrator and Coaches Concerns Regarding Use of School Data to Select Teachers for the Coaching Cycle in One Florida District
Dissertation Chair: B. Oliver
Dissertation Co-chair: L. Eldridge

Kimberly L. Miccichi, Bachelor of Science in Elementary Education, 1996, University of South Florida; Master of Education, 2002, Edinboro University of Pennsylvania
Major: Curriculum and Instruction
Dissertation: Facilitating Culturally Responsive Classroom Management: Professional Development for Novice Teachers in an Urban School
Dissertation Chair: A. Adams

Eleanor Maureen Miller, Bachelor of Science in Health Science Education, 2000, Master of Public Health, 2002, University of Florida
Major: Higher Education Administration
Dissertation: Undergraduate Student Alcohol Use: Implications for Student Affairs Health Promotion Practice
Dissertation Chair: D. F. Campbell

Jonathan Paul Mundorf, Bachelor of Science in Education, 2001, Bowling Green State University—Ohio; Master of Education in Curriculum and Instruction, 2007, Florida Gulf Coast University
Major: Curriculum and Instruction
Dissertation: Teaching Reading to a Student with Blindness Using Universal Design for Learning: A Practitioner Inquiry
Dissertation Chair: B. L. Kennedy-Lewis
Dissertation Co-chair: N. L. Dana

Erin B. O’Guinn, Bachelor of Science in Education, 2004, Florida State University; Master of Arts in Educational Leadership, 2010, Florida Gulf Coast University
Major: Educational Leadership
Dissertation: The Effectiveness of Teacher Selection for Underrepresented Students in Gifted Programming
Dissertation Chair: B. Oliver

Sarah Christina Robertson Chatel, Bachelor of Arts, 2003, Florida Atlantic University; Master of Education, 2009, University of Florida
Major: Curriculum and Instruction
Dissertation: Informing Educator Professional Development Based on the School Experiences of LGBTQ Students
Dissertation Chair: E. Bondy
Rebecca A. Shields, Bachelor of Arts, 2005, University of Alabama; Master of Arts in Education, 2008, University of Alabama at Birmingham

**Major:** Curriculum and Instruction

Dissertation: Academic Outcomes and New Literacies Evident During a Digital Storytelling Unit Within a Secondary English Class: A Case Study

Dissertation Chair: K. M. Dawson
Dissertation Co-chair: B. G. Pace

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Rebecca Ann Stempel, Bachelor of Science in Elementary Education, 2007, University of Central Florida; Master of Science in Educational Leadership, 2009, Florida State University

**Major:** Educational Leadership

Dissertation: Common Core Concerns for Teachers of the Gifted

Dissertation Chair: B. Oliver

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**Major:** Curriculum and Instruction

Dissertation: Understanding the Successes and Failures of African American High School Boys

Dissertation Chair: E. Bondy

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Cara A. Walsh, Bachelor of Arts in Special Education cum laude, 1992, University of South Florida; Master of Education in Educational Leadership, 2000, Nova Southeastern University—Florida

**Major:** Curriculum and Instruction

Dissertation: Life in School: The Academic Identity Stories of Fifth Grade African American Boys

Dissertation Chair: E. Bondy
**Doctor of Audiology**

Nigel Patrick Bonello
Nancy M. Bowen-Hicks
Deanna Coral Connor

Eileen E. Davis-Roesler
Heather Boland Dickey
Susan D Hamilton

Jennifer Mildred Parsons
Kathleen Joan Sawaya
Pak-Hung Wong

**Doctor of Plant Medicine**

Carmen Yamila Collazo-González

**Doctor of Nursing Practice**

Yana Nicole Blaise
Patricia B. Clarke

Christina Flint-Lowe
Samuel Bussa Realista
Heather Schafer

Shauna Lynn Vaughan
Li Wang
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” (August 2013); No. 3 in Kiplinger’s “Best Values in Public Colleges” (2013); No. 3 in the Fiske Guide to Colleges’ list of Best Buys Among Publics (2014); No. 15 on the Forbes’ list of best public universities (2013); and No. 1 on Washington Monthly magazine’s list of national universities that offer the best bang for the buck (2013).

Job recruiters ranked UF ninth on the list of places where corporations prefer to recruit new employees (2010) and No. 2 on SmartMoney magazine’s list of universities whose graduates get the highest salary return for their tuition dollars (2012).

Faculty

• UF has nearly 4,000 faculty members with distinguished records in teaching, research and service, including 37 Eminent Scholar chairs and 42 faculty elections to the National Academy of Sciences, Engineering, the Institute of Medicine, or the American Academy of Arts and Sciences.

• Awards include a Fields Medal, two Pulitzer Prizes, NASA’s top award for research, and Smithsonian Institution’s conservation award.

Students

• More than 96 percent of incoming freshmen score above the national average on standardized exams. Students admitted for the fall 2014 freshman class had an average 4.4 GPA and an average SAT score of 1960.

• More than 1,260 International Baccalaureate students were enrolled in UF in February 2014 — more than any other university in the United States. 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 2013.

• Sixty-seven percent of UF freshmen graduate within four years, and 85 percent of UF freshmen graduate within six years.

• Nearly two-thirds of UF graduates leave the university with no student loan debt. For the remaining third, their average indebtedness is about $20,708, as compared with the national average of roughly $29,400.
Chain of Office

The chain of office is an ornament worn with the president’s academic regalia symbolizing the authority and responsibilities incumbent with the office. The chain was presented in 2004 during the installation ceremony of President J. Bernard Machen. The medallion centerpiece is a 1.3-carat orange diamond engraved with the portraits, names and service years of the university’s 11 presidents. The Major Analytical Instruments Center at UF used ion beam engraving technology on the medallion. Also on the medallion are three .025-carat blue diamonds placed around the silhouette of the Century Tower and University Auditorium, signifying teaching, research and service. All four diamonds, donated by Gemesis Corp. of Sarasota, Florida, were grown using a process developed and patented by UF’s Department of Materials Science and Engineering.

Academic Mace

“Honoring the Past, Shaping the Future” was the signature of the University of Florida’s sesquicentennial celebration in 2003. It also was the inspiration for the ceremonial mace created and dedicated to mark this historic event. The mace dates back to the Middle Ages and symbolizes strength and authority; each is unique and reflects the values and characteristics of the institution. The university’s chief marshal carries the mace at all academic processions. Designed and crafted on the University of Florida campus, the mace artfully symbolizes those elements important to the university’s identity and history.

The 70-inch ceremonial staff combines traditional elements with modern styling. The stylized alligator rests on the globe signifying the University of Florida as an adaptable global leader in teaching, research and service. The four pillars supporting the globe represent the four original colleges; Agriculture, Engineering, Liberal Arts and Law. The cone holds the University of Florida Seal and words to the Alma Mater. The staff is carved from native cherry wood. The acorn finial depicts the adage “from tiny acorns mighty oaks do grow,” a commitment to life long learning. The brick pattern on the handle symbolizes higher education tradition and structure. Like the institution it represents, the mace is not static; growth and movement are expressed with loose rings engraved with the names of the university’s presidents and their years in office.

Diplomas

Diplomas will be mailed to the graduate’s permanent home mailing address in October 2014.
Caps and Gowns, An Explanation

The academic attire worn by faculty and graduating students at today’s commencement ceremony evolved from a style of dress worn by members of guilds and religious orders in medieval times. The black academic gown signifies that the individual wearing it has earned a degree in higher education.

Distinctions in the sleeve shape indicate the type of degree held by the wearer of the black gown. A round, open sleeve identifies a doctoral degree; by comparison, 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.

The doctoral costume also has velvet bands down the front of the gown and velvet cross bars on the sleeves. The trimming may be black, or it may match the color of the velvet hood edging. Colored tassels on the degree candidates’ caps indicate a candidate’s school or college.

Graduate candidates also wear a hood. At the University of Florida the lining of the hood has a blue chevron on an orange background.

In keeping with standards established for American universities in the late 19th century, the color of the velvet edging on the academic hood represents the wearer’s particular degree. White, used for the study of arts and letters, was inspired by the white fur trimming of the Oxford and Cambridge bachelor of arts hoods. Green was selected for medicine to reflect the color of medieval herbs, while golden yellow was chosen for the sciences to represent the wealth created by scientific research.

The following colors are specific to the University of Florida:
- Agriculture and Life Sciences; Forest Resources and Conservation – Maize
- Design, Construction and Planning; Construction Management – Blue Violet
- Audiology – Colonial Blue
- Business Administration, Accounting – Drab
- Dentistry – Lilac
- Education – Light Blue
- Engineering – Orange
- Arts – Brown
- Journalism and Communications – Garnet
- Law – Purple
- Liberal Arts – White
- Liberal Sciences – Golden Yellow
- Medicine – Green
- Music – Pink
- Natural Resources and Environment – Antique Gold
- Philosophy – Royal Blue
- Public Health – Salmon Pink
- Rehabilitation Counseling – Nile Green
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