

Commencement

UF | UNIVERSITY of
FLORIDA
The Foundation for The Gator Nation



COMMENCEMENT

FALL 2014

82ND DOCTORAL CEREMONY

Dr. J. Bernard Machen

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.

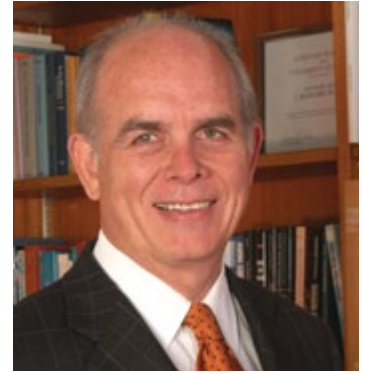
President Machen has expanded UF's research operation, elevated its educational programs and increased access for students from a diversity of economic backgrounds. He has bolstered the university's commitment to innovation, grown its endowment, and led a noted universitywide sustainability initiative.

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.

Greetings from the President



*O*n 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 also is 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

University of Florida Leadership

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J. Bernard Machen, D.D.S., M.S., Ph.D.
President

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Vice President - Research

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Vice President - Business Affairs

DEANS OF THE UNIVERSITY

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

John Kraft, Ph.D.
Warrington College of Business Administration

Boyd Robinson, D.D.S., M.Ed.
Interim, College of Dentistry

Christopher Silver, Ph.D.
College of Design, Construction and Planning

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

Cammy R. Abernathy, Ph.D.
College of Engineering

Lucinda Lavelli, M.F.A.
College of the Arts

Henry T. Frierson, Ph.D.
Graduate School

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

Nick Place, Ph.D.
IFAS Extension

Jacqueline Burns, Ph.D.
IFAS Research

Leonardo Villalón, Ph.D.
International Center

Diane H. McFarlin, B.S.
College of Journalism and Communications

George L. Dawson, J.D.
Interim, Fredric G. Levin College of Law

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

Michael L. Good, M.D.
College of Medicine

Anna M. McDaniel, Ph.D., R.N.
College of Nursing

Julie A. Johnson, Pharm.D.
College of Pharmacy

Michael G. Perri, Ph.D.
College of Public Health and Health Professions

James W. Lloyd, D.V.M., Ph.D.
College of Veterinary Medicine

Judith C. Russell, M.S.
University Libraries

Jen Day Shaw, Ph.D.
Dean of Students



Commencement Agenda – Friday, December 19, 2014, 4:00 p.m.

Presiding	J. Bernard Machen <i>President</i>
Processional.....	Gainesville Brass Quintet
National Anthem.....	Anthony Offerle Gainesville Brass Quintet
Welcome and Introductions.....	J. Bernard Machen
Awarding of Honorary Degrees.....	J. Bernard Machen
Presented by.....	Joseph Glover <i>Provost and Senior Vice President for Academic Affairs</i>
Doctor of Science Presented to.....	Linda Parker Hudson <i>Arlington, VA</i>
Commencement Address.....	Gareth Schmeling <i>UF Distinguished Professor of Classics</i>
Presenting Candidates for Doctoral Degrees.....	Henry T. Frierson <i>Dean, Graduate School</i>
Conferring of Doctoral Degrees.....	David L. Brandon <i>Member, UF Board of Trustees</i>
Alma Mater.....	Anthony Offerle Gainesville Brass Quintet
Recessional.....	Gainesville Brass Quintet
Postlude	Gainesville Brass Quintet



ADDITIONAL COPIES of this commencement program are available while supplies last at the University of Florida Bookstore for a \$1 donation to the Machen Florida Opportunity Scholars program, which helps fund a UF education for low-income students who are first in their family to attend college. The bookstore is located in the UF Bookstore and Welcome Center on Museum Road and is open daily. For hours, please see the website at www.bsd.ufl.edu/bookstore. The commencement program can be ordered online with an additional charge for shipping and handling.

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

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

Honorary Degree - Doctor of Science

Linda Parker Hudson

When Linda Hudson graduated from UF's Department of Industrial and Systems Engineering in 1972, she was one of a few women in the college. Today, as president and CEO of BAE Systems Inc., she has been recognized as an innovator and trailblazer, one of Fortune Magazine's 50 Most Powerful Woman in Business, and the British media dubbed her the "first lady of defense."

After college, Ms. Hudson began her career in the defense industry at the Harris Corporation and Ford Aerospace. Through impressive work and dedication, she soon rose through the ranks. She became president of armament and technical products at General Dynamics. Hudson later became president of BAE Systems' Land & Armaments, the world's largest military vehicle and equipment business. In 2009, she was named CEO of BAE Systems Inc., leading more than 40,000 employees and almost \$13 billion in revenue.

Her success has been documented in stories published in the Washington Post, New York Times, Wall Street Journal and Forbes. Washington Magazine named her one of Washington's 100 Most Powerful Women. She has been inducted in numerous halls of fame including the Washington Business Hall of Fame and the Industrial Systems and Engineering Hall of Fame. She has been honored as a Distinguished Alumna at UF and holds an honorary doctorate from Worcester Polytechnic Institute.



Even with the demands such a successful career entails, Ms. Hudson finds time to give back to her alma mater, mentoring and providing career advice to engineering students. She emphasizes in her lessons the tools that led her on her own soaring career path: dedication, persistence and a work-life balance. She also serves as a UF Foundation executive committee member, is a member of the College of Engineering advisory board and remains active in UF's alumni and athletic associations.

Celebrating her tremendous success and generosity to her alma mater, the university recognizes Ms. Hudson with an honorary doctorate of science degree.

Gareth Schmeling

Gareth Schmeling's work can best be thought of as archaeology through words.

His major research project is a commentary on *Satyrica* of Petronius. Although it is a novel, the Latin work is regularly treated as a document of social history. Using his expansive knowledge of language, Dr. Schmeling deciphered and provided an interpretation of the work that has helped researchers better understand society and culture during Roman times.

In his career at the University of Virginia and the University of Florida, he has taught beginning and advanced Greek and Latin as well as graduate courses on the Greek novelists, Petronius, Apuleius, Tacitus, and Lucian. He also taught large lecture courses in translation, mythology, the ancient novel, the *Glory That was Greece*, the *Grandeur That was Rome* and *Masterpieces of Western Civilization*.

Dr. Schmeling holds a bachelor's degree from Northwestern College and a master's and doctorate from the University of Wisconsin. He came to UF in 1970 as an associate professor. His first book, "*Cornelius Nepos: Lives of Famous Men*," was published in 1971. He has since published nine books, 46 academic articles, 41 book reviews and 81 papers.

During his time at UF, Dr. Schmeling advanced quickly from an associate professor to chair of Classics and Humanities. He also has served as acting chair for the Department of Philosophy. He was later appointed a distinguished professor of classics and in 2005 received emeritus status. In 2010, Dr. Schmeling also began work at Johns Hopkins University as a visiting professor of classics and is now a fellow-by-courtesy.



Dr. Schmeling has served in numerous professional societies, including secretary-treasurer and later president of the Classical Association of the Middle West and South, and vice president, trustee and trustee emeritus of the Society of Fellows at the American Academy in Rome.

Dr. Schmeling resides in Gainesville and Baltimore.

UF Graduate School

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



Doctor of Philosophy

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

Doctor of Education

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

Doctor of Audiology

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

Doctor of Plant Medicine

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

Doctor of Physical Therapy

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

Doctor of Nursing Practice

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

GRADUATE SCHOOL

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

DOCTOR OF PHILOSOPHY

Paul W. Accisano, Bachelor of Science in Computer Science *summa cum laude*, 2009, New Jersey Institute of Technology

Major: *Computer Engineering*

Dissertation: Template Matching With the Frechet Distance Metric

Dissertation Chair: A. Ungor

Husam M. Alawadh, Bachelor in Translation, 2002, King Saud University—Saudi Arabia; Master of Arts in English, 2008, Colorado State University

Major: *Linguistics*

Dissertation: The Evolution of Saudi Print Media Discourse About the U.S. After 9/11: A CDA of Aljazeera and Asharq Alawsat Newspapers

Dissertation Chair: D. Boxer

Anastasia Albanese-O'Neill, Bachelor of Arts in Political Science, 1990, Master of Arts in Political Science, 1995, University of California at Los Angeles; Bachelor of Science in Nursing, 2008, Master of Science in Nursing, 2013, University of Florida

Major: *Nursing Sciences*

Minor: *Health Education and Behavior*

Dissertation: Fathers, Diabetes Education, and Mobile Technology

Dissertation Chair: J. H. Elder

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

Bader M. Alhoshan, Bachelor in Translation, 2002, King Saud University—Saudi Arabia; Master of Arts in English, 2007, Colorado State University

Major: *Linguistics*

Dissertation: Affordances and Constraints in an ESL Reading Classroom: A Study of Four Saudi Students' Cases

Dissertation Chair: P. R. Golombek

Mariam Faisal Alkazemi, Bachelor of Arts in Journalism, 2007, George Washington University—District of Columbia; Master of Arts in Advertising, 2009, Michigan State University

Major: *Mass Communication*

Dissertation: News Coverage and Online Discussions About the Middle East: The Spiral of Silence in the Agenda-Setting Process

Dissertation Chair: W. M. Wanta

Courtney Elizabeth Allen, Bachelor of Science *cum laude*, 1998, Specialist in Education, 2002, Master of Education, 2002, University of Florida

Major: *Counseling and Counselor Education*

Dissertation: A Grounded Theory Study of Counselors' Theoretical Orientation Development Using Narrative Pedagogy

Dissertation Chair: S. L. Smith

Muteb Aali Alqarni, Bachelor of Arts in English Language, 2007, King Khalid University—Saudi Arabia; Master of Arts in Linguistics, 2010, Ball State University—Indiana

Major: *Linguistics*

Dissertation: Numeral-Noun Constructions in Modern Standard Arabic

Dissertation Chair: E. H. Potsdam

- Ali Ahmed Al-Rajhi, Bachelor of Science, 2007, Master of Public Health, 2009, University of Florida
 Major: *Nutritional Sciences*
 Dissertation: Development and Implementation of a Preventative Health Course to Address Health Behaviors of Emerging Adults (18 to 25 Years of Age)
 Dissertation Chair: A. Mathews
- Dawn An, Bachelor of Engineering, 2008, Master of Engineering, 2010, Korea Aerospace University—South Korea
 Major: *Mechanical Engineering*
 Dissertation: Practical Prognostics Methods for Uncertainty Management: Noisy, Insufficient, and Indirect Degradation Data
 Dissertation Chair: N. H. Kim
- K. Sofia Appelberg, Civilingenjörsexamen, 2007, Linkopings Universitet—Sweden
 Major: *Medical Sciences—Immunology and Microbiology*
 Dissertation: Molecular Mechanisms Involved in Human Immunodeficiency Virus Type 1 Infection and Activation of Macrophages
 Dissertation Chair: M. M. Goodenow
- Sindhu Arivazhagan, Bachelor of Technology, 2003, Anna University—India
 Major: *Medical Sciences—Immunology and Microbiology*
 Dissertation: Genetic and Molecular Basis for Heightened Type 1 Interferon Responses in NOD Mice
 Dissertation Chair: M. J. Clare-Salzler
- 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. Elias
 Dissertation Co-chair: J. D. Morris
- Benjamin Keith Atkinson, Bachelor of Science in Education, 2004, Slippery Rock University of Pennsylvania; Master of Science, 2009, University of Florida
 Major: *Wildlife Ecology and Conservation*
 Dissertation: Conservation Osteology: Investigating the Demographic Impacts of Ghost Traps on Diamond-Backed Terrapins, Malaclemys Terrapin
 Dissertation Chair: J. P. Ross
- Shancy Augustine, Bachelor of Technology in Electrical and Electronics, 2002, Mahatma Gandhi University—India; Master of Science, 2011, University of Florida
 Major: *Electrical and Computer Engineering*
 Dissertation: Development of Low Power Plastic Fluidic Control Techniques for Lab-on-Chip Devices
 Dissertation Chair: T. Nishida
 Dissertation Co-chair: Z. H. Fan
- John W. Baker, Bachelor of Science, 1996, Master of Education, 1998, University of Florida
 Major: *Environmental Engineering Sciences*
 Dissertation: The Characteristics of Spoil Islands Along the Atlantic Intracoastal Waterway and Their Potential to Support Maritime Forest Communities
 Dissertation Chair: C. L. Montague
- 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
- Christian Alberto Barrientos, Licenciado en Biología, 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. E. Hill

- John M. Beaty, Bachelor of Arts in English *cum laude*, 1996, Master Degree, 2000, University of Georgia
 Major: *Design, Construction, and Planning*
 Dissertation: The Right Mix: Evaluating the Compatibility and Durability of Masonry Repairs Performed by the U.S. National Park Service
 Dissertation Chair: E. A. Obonyo
- Christopher S. Besser, Bachelor of Arts in History, 2000, University of Alaska at Fairbanks; Master of Health Administration, 2008, Baylor University–Texas; Master of Science, 2014, University of Florida
 Major: *Health Services Research*
 Dissertation: An Impact Assessment of Including a Behavioral Health Provider Within the Structure of the Army Patient-Centered Medical Home Model: A Longitudinal Study
 Dissertation Chair: J. S. Harman
- Gokul Subrahmanya Bhat, Bachelor of Engineering in Electronic and Telecommunications Engineering, 2008, University of Mumbai–India; Master of Science, 2010, University of Florida
 Major: *Electrical and Computer Engineering*
 Dissertation: Network Coding Based Enhancements to TCP for Media Streaming
 Dissertation Chair: J. Y. McNair
- Thomas G. Biel, Bachelor of Science in Chemistry *summa cum laude*, 2009, Keystone College–Pennsylvania
 Major: *Medical Sciences—Physiology and Pharmacology*
 Dissertation: Mitofusin 2 Mediates Sirtuin 1 Induced Autophagy to Suppress Liver Ischemia/Reperfusion Injury
 Dissertation Chair: J. S. Kim
 Dissertation Co-chair: K. E. Behrns
- Olga Birioukova, Bachelor of Science, 2000, Leo Tolstoy Tula State University–Russia; Master of Arts, 2009, University of Florida
 Major: *Linguistics*
 Dissertation: Morphosyntax of the Jaqaru Verb in Main Clauses
 Dissertation Chair: M. J. Hardman
- Rafael Sisoneto Bisinotto, Grau de Medico Veterinario, 2007, Universidade de Sao Paulo–Brazil; Master of Science, 2010, University of Florida
 Major: *Animal Sciences*
 Dissertation: Actions of Progesterone on Growth of the Ovulatory Follicle and Subsequent Embryo Development Coupled With Endometrial Gene Expression to Enhance Fertility in Dairy Herds
 Dissertation Chair: J. E. Santos
- 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. D. Useche
- Michael M. Bobek, Bachelor of Science in Mechanical Engineering *cum laude*, 2009, Master of Science, 2011, University of Florida
 Major: *Mechanical Engineering*
 Dissertation: Investigation of Oxide Morphology, Reaction Kinetics and Mechanisms for Thermochemical Solar Fuel Production
 Dissertation Chair: D. W. Hahn
- Nicole L. Botteri, Bachelor of Science in Biology, 2004, Pennsylvania State University
 Major: *Zoology*
 Dissertation: Redefining Normal: The Morphological and Molecular Characterization of the Adult Medullary Rest, a Putatively Steroidogenic Region of the Female American Alligator Gonad
 Dissertation Chair: L. J. Guillette
- 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. Janicke

- Sandra Weems Bragg, Bachelor of Arts *cum laude*, 2002, Master of Arts, 2009, University of Florida
 Major: *English*
 Dissertation: The Poetics of Healing: Voicing Illness and Trauma in Literature, Narrative Medicine, and Reflective Writing
 Dissertation Chair: R. A. Shoaf
- Joseph A. Brannaka, Bachelor of Science in Chemistry, 2009, Southern Adventist University—Tennessee
 Major: *Chemistry*
 Dissertation: The Design, Synthesis, and Application of Volatile Organometallic Precursors for Heterogeneous Catalysis, Photo Activated Chemical Vapor Deposition, and Electron Beam Induced Deposition
 Dissertation Chair: L. A. McElwee-White
- Renee M. Bullock, Bachelor of Science in Biology, 2001, Northland College—Wisconsin; Master of Arts, 2010, University of Florida
 Major: *Geography*
 Minor: *Sustainable Economic Development (Special Minor)*
 Dissertation: Gender and Rural Development in the East Usambaras, Tanzania
 Dissertation Chair: M. E. Swisher
 Dissertation Co-chair: B. A. Child
- Deon Lamar Burchett, Bachelor of Science in Mathematics, 2006, University of Maryland College Park; Master of Science, 2009, University of Florida
 Major: *Industrial and Systems Engineering*
 Dissertation: Multi-Commodity Fixed Charge Capacitated Network Design: Polyhedral Characteristics, Network Resilience, and Algorithms
 Dissertation Chair: J. P. Richard
- 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. Cichra
- Haley Elizabeth Marie 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
- Andrew R. Cartas, Bachelor of Science in Nuclear Engineering, 2011, Master of Science, 2012, University of Florida
 Major: *Nuclear Engineering Sciences*
 Dissertation: An Evaluation of UO₂-CNT Composites Made by SPS as an Accident Tolerant Nuclear Fuel Pellet and the Feasibility of SPS as an Economical Fabrication Process for the Nuclear Fuel Cycle
 Dissertation Chair: J. S. Tulenko
- Christopher L. Cassano, Bachelor of Science in Biology, 2003, Clarkson University—New York; Bachelor of Science in Aerospace Engineering, 2006, Master of Science in Aerospace Engineering, 2009, Embry-Riddle Aeronautical University—Florida; Master of Science, 2013, University of Florida
 Major: *Mechanical Engineering*
 Dissertation: Bonding, Lamination, and Patterning for Low-Cost Microfluidic Devices
 Dissertation Chair: Z. H. Fan
- Christopher E. Cattau, Bachelor of Science in Biological Sciences *summa cum laude*, 2003, University of Tennessee; Master of Science, 2008, University of Florida
 Major: *Wildlife Ecology and Conservation*
 Dissertation: Behavioral, Demographic, and Evolutionary Responses of the Endangered Snail Kite to Changing Food Resources in a Dynamic Prey Landscape
 Dissertation Chair: W. M. Kitchens
- Ryan Paul Chastain-Gross, Bachelor of Science, 2008, Ohio State University
 Major: *Medical Sciences—Immunology and Microbiology*
 Dissertation: The Role of Pg0717 in Periodontitis
 Dissertation Chair: A. Progulsk

Anirban Chaudhuri, Bachelor of Technology in Mechanical Engineering, 2008, Malaviya National Institute of Technology at Jaipur–India; Master of Science, 2010, University of Florida

Major: *Mechanical Engineering*

Dissertation: Implications of Optimization Cost for Balancing Exploration and Exploitation in Global Search and for Experimental Optimization

Dissertation Chair: R. T. Haftka

Vinita G. Chittoor, Master of Science, 2009, Nagpur University–India

Major: *Medical Sciences—Neuroscience*

Dissertation: Understanding and Evaluating the Potential of Heat Shock Pathway in Treatment of Pmp22-Linked Neuropathies

Dissertation Chair: L. Notterpek

Alyssa Heh-soon Cho, Bachelor of Science, 2008, University of Hawaii at Manoa; Master of Science, 2010, University of Florida

Major: *Agronomy*

Dissertation: Introduction of Agricultural Technologies in Peanut (*Arachis Hypogaea L.*) and Cassava (*Manihot Esculenta Crantz*) Based Cropping Systems for Smallholder Farmers in Guyana and Vietnam

Dissertation Chair: G. E. MacDonald

Hong Seok Choi, Bachelor of Science in Life Science, 2004, Master of Science in Life Science, 2006, Sogang University–South Korea

Major: *Medical Sciences—Immunology and Microbiology*

Dissertation: Kaposi's Sarcoma-Associated Herpesvirus (KSHV) Latency-Associated Genes, v-FLIP and v-Cyclin Down-Regulate TGF-Beta Signaling by Inducing the Cellular MicroRNA Cluster miR-17-92

Dissertation Chair: R. F. Renne

Jose Alejandro Clavijo Michelangeli, Titulo de Ingeniero Agronomo, 2006, Universidad Central de Venezuela; Master of Science, 2009, University of Florida

Major: *Agronomy*

Minor: *Statistics*

Dissertation: Modeling Reproductive Growth and Development in the Common Bean (*Phaseolus vulgaris L.*)

Dissertation Chair: K. J. Boote

Chaevien S. Clendinen, Bachelor of Science in Biology, 2009, University of North Carolina at Charlotte

Major: *Medical Sciences—Biochemistry and Molecular Biology*

Dissertation: Development of ¹³C Metabolomics Using ¹³C Nuclear Magnetic Resonance

Dissertation Chair: A. S. Edison

Fenner E. Colson, Bachelor of Science in Physics, 2010, Minnesota State University at Moorhead; Master of Science, 2013, University of Florida

Major: *Mechanical Engineering*

Dissertation: Fundamental Computation of Molecular Flux in Knudsen-Regime Nanopores

Dissertation Chair: W. E. Lear

Gary Todd Cooper, Bachelor of Science in Life Sciences, 2005, Otterbein College–Ohio; Master of Science, 2007, University of Florida

Major: *Plant Pathology*

Dissertation: Morphological and Molecular Characterization of Novel Puccinia Fungi Isolated From Turfgrass in Florida

Dissertation Chair: P. F. Harmon

Galaxia Andrea Cortés Hinojosa, Titulo de Medico Veterinario, 2006, Licenciado en Medicina Veterinaria, 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 Otariid Seals

Dissertation Chair: J. F. Wellehan

Claudia Andrea Costagliola Chatten, Licenciado en Humanities con Mention en Lengua y Literatura Hispanica, 1995, Universidad de Chile; Master of Arts, 2011, University of Florida

Major: *Romance Languages—Spanish*

Dissertation: Literatura Sobre Sida En Latino America: Una Lectura Cuir/Queer Para Una Seleccion De Narraciones Perversas

Dissertation Chair: E. Barradas

- Scott David Croxton, Bachelor of Science, 2005, Master of Science, 2008, Auburn University—Alabama
 Major: *Entomology and Nematology*
 Dissertation: Understanding and Exploiting *Psyllid* Dispersal Behavior in Florida Citrus
 Dissertation Chair: P. A. Stansly
- Zhongzhou Cui, Bachelor of History, 1998, Master of Law, 2002, Anhui University—China; Master of Arts, 2008, University of Florida
 Major: *Anthropology*
 Dissertation: Ethnicity, Religion, and State: Intermarriage Between the Han and Muslim Hui in Eastern China
 Dissertation Chair: C. Shih
- 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: Rural Voluntary Prekindergarten Teachers' Judgments of the Acceptability, Feasibility, and Current Use of Social Skills Strategies in Inclusive Classrooms
 Dissertation Chair: H. 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
- Carole Anne Daniel, Bachelor of Science in Nursing, 1992, Kent State University—Ohio; Master of Science in Nursing, 1999, Georgetown University—District of Columbia
 Major: *Nursing Sciences*
 Minor: *Public Health*
 Dissertation: The Effect of Psychosocial Factors on Acute and Persistent Pain After Childbirth
 Dissertation Chair: A. L. Horgas
- Tania Diane Darlington, Bachelor of Arts in English, 2005, Master of Arts in English, 2007, California State University at Chico
 Major: *English*
 Dissertation: From Reverence to Reference: Rethinking Contemporary Cross-Media Adaptation
 Dissertation Chair: B. C. Mennel
- Andrea Danielle Davis, Bachelor of Science in Criminal Justice *summa cum laude*, 2010, Alabama State University; Master of Arts, 2012, University of Florida
 Major: *Criminology, Law, and Society*
 Dissertation: Unmasking the Unraced: A Study of Whiteness and Crime Policy Preferences
 Dissertation Chair: L. M. Lanza Kaduce
- Mriganka De, Bachelor of Science in Agriculture, 2007, Bidhan Chandra Agricultural University—India; Master of Science, 2009, Punjab Agricultural University—India
 Major: *Soil and Water Science*
 Dissertation: Fate and Transport of Nitrogen in Onsite Wastewater Treatment Systems
 Dissertation Chair: G. Singh
- Kristin N. Denslow, Bachelor of Arts in English *cum laude*, 2006, Andrews University—Michigan; Master of Arts in English, 2009, Western Michigan University
 Major: *English*
 Dissertation: Hamlet's Compulsive Revisions in Film, Television, and Social Media
 Dissertation Chair: R. Burt
- Jose A. Dominguez, Bachelor of Science, 1997, Southern Illinois University at Carbondale; Master of Physical Therapy, 2000, University of Maryland Eastern Shore
 Major: *Rehabilitation Science*
 Dissertation: Low Er Limb Biomechanics in Jump Landing Following Anterior Cruciate Ligament Reconstruction
 Dissertation Chair: T. L. Chmielewski

- Peter Donkor, Bachelor of Science in Building Technology, 2005, Kwame Nkrumah University of Science and Technology—Ghana;
Master of Science in Building Construction, 2008, University of Florida
Major: *Design, Construction, and Planning*
Dissertation: Sustainable and Resilient Earthen Construction: Enhancing Compressed Earth Block Performance Through Fiber Reinforcement
Dissertation Chair: E. A. Obonyo
- Pamela Jean N. Driza, Bachelor of Design *magna cum laude*, 2006, Master of Interior Design, 2011, University of Florida
Major: *Design, Construction, and Planning*
Dissertation: Optimal Building Performance: Exploring Human Behavior Impacts on Energy and Water Consumption in Campus Residential Halls
Dissertation Chair: N. Park
Dissertation Co-chair: M. Torres
- Pamela Jean Dubyak, Bachelor of Arts, 2004, Brown University—Rhode Island; Master of Science, 2008, University of Florida
Major: *Psychology—Clinical and Health Psychology*
Dissertation: The Effect of Group Size on Weight Loss Outcomes in a Lifestyle Intervention for Obesity
Dissertation Chair: S. D. Anton
Dissertation Co-chair: M. G. Perri
- Nicholas J. Dunbar, Bachelor of Science in Mechanical Engineering *magna cum laude*, 2008, Master of Science, 2014, University of Florida
Major: *Mechanical Engineering*
Dissertation: Patient Customizable Knee Model for Intraoperative Planning of Uni- and Bi-Compartmental Knee Arthroplasty
Dissertation Chair: S. A. Banks
- Heungsik Eom, Bachelor of Engineering, 2006, Master of Engineering, 2008, Dongguk University—South Korea; Master of Science, 2011, University of Florida
Major: *Electrical and Computer Engineering*
Dissertation: Extending the Capabilities of Mobile Platforms Through Remote Offloading Over Social Device Networks
Dissertation Chair: R. J. Figueiredo
- Salim Erol, Lisans Diploması, 2006, Eskisehir Osmangazi University—Iran; Master of Science, 2011, University of Florida
Major: *Chemical Engineering*
Dissertation: Influence of Failure Mechanisms on Electrochemical Impedance Spectroscopy of Lithium Cobalt Oxide/Carbon Batteries
Dissertation Chair: M. E. Orazem
- Christine C. Eschenfelder, Bachelor of Arts in Sociology and Anthropology, 1997, University of Tennessee at Chattanooga; Master of Arts in Journalism, 2008, University of Memphis—Tennessee
Major: *Mass Communication*
Dissertation: Exiting Through the Doors We Opened: Why Some Women Are Leaving Jobs in Television News and Why It Matters
Dissertation Chair: J. L. Cleary
- Jennie Ruth Fagen, Bachelor of Science, 2010, University of Florida
Major: *Microbiology and Cell Science*
Dissertation: Comparative Study of *Liberibacter* Species Divergent in Culturability and Virulence
Dissertation Chair: E. Triplett
- Jason Allan Ferrante, Bachelor of Science, 2003, Coastal Carolina University—South Carolina; Master of Science in Marine Biology, 2010, College of Charleston—South Carolina
Major: *Veterinary Medical Sciences*
Dissertation: Characterization of Cytokine Levels and Trichechid Herpesvirus 1 Load in the Florida Manatee (*Trichechus manatus latirostris*)
Dissertation Chair: J. F. Wellehan
- Delio Figueroa, Bachelor of Arts in Music, 2005, Conservatory of Music of Puerto Rico; Master of Arts in Music Education, 2009, New York University
Major: *Music*
Dissertation: My Music, My Place: The Role of Jibaro Music in the Creation of Puerto Rican Identity in New York City
Dissertation Chair: L. N. Crook

- Jeremy H. Fowers, Bachelor of Science in Electrical Engineering *summa cum laude*, 2010, Master of Science, 2012, University of Florida
Major: *Electrical and Computer Engineering*
Dissertation: Adaptive Optimizations and Automatic Parallelization in Heterogeneous Systems
Dissertation Chair: G. M. Stitt
- Eric William Franca, Bachelor of Science in Engineering, 2008, Tulane University—Louisiana
Major: *Biomedical Engineering*
Dissertation: Neural Adhesion, Growth, and Activity on Carbon Nanotubes and Carbonized Nanofibers
Dissertation Chair: B. Wheeler
- Timothy David Fritz, Bachelor of Arts in History, 2005, North Carolina Agricultural and Technical State University; Master of Arts in History, 2008, College of Charleston—South Carolina
Major: *History*
Dissertation: Indians, Africans, and British Expansion in the Southeastern Borderlands, 1670-1763
Dissertation Chair: J. F. Sensbach
Dissertation Co-chair: J. Barr
- Ramón Galiñanes Jr., Bachelor of Arts in History *summa cum laude*, 2001, Montclair State University—New Jersey; Master of Philosophy, 2003, Cambridge University—United Kingdom; Master of Arts, 2010, University of Florida
Major: *Political Science*
Dissertation: Negotiating a Lasting Peace: A Comparative Analysis of Angola's Civil War Settlements
Dissertation Chair: P. J. Williams
Dissertation Co-chair: S. Lindberg
- William Richard Gamerota, Bachelor of Science in Engineering, 2010, Duke University—North Carolina; Master of Science, 2013, University of Florida
Major: *Electrical and Computer Engineering*
Dissertation: The Dart-Stepped Leader in Rocket-Triggered Lightning
Dissertation Chair: M. A. Uman
Dissertation Co-chair: V. A. Rakov
- Veronica J. Garcia, Bachelor of Arts, 2007, Guilford College—North Carolina
Major: *Medical Sciences—Neuroscience*
Dissertation: Neuropeptidergic Modulation in the Stomatogastric Nervous System: Cloning, Expression, and Physiological Characterization of the Crustacean Cardioactive Peptide Receptor
Dissertation Chair: D. M. Bucher
- Christine M. Gault, Bachelor of Arts, 2009, Colgate University—New York
Major: *Plant Molecular and Cellular Biology*
Dissertation: Aberrant U12-Type Intron Splicing Due to the Hypomorphic Rough Endosperm3 Splicing Factor Locus
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
- Ryan D. Geddes, Bachelor of Science in Chemical Engineering, 2003, University of Florida
Major: *Microbiology and Cell Science*
Dissertation: Improving Fermentation of Pretreated Biomass by Reducing Inhibitor Concentrations and Increasing Microbial Biocatalyst Tolerance
Dissertation Chair: L. O. Ingram
- Payal Ghosh, Bachelor of Arts, 2006, Johns Hopkins University—Maryland; Master of Science in Exercise Science, 2011, George Washington University—District of Columbia
Major: *Health and Human Performance*
Dissertation: The Effects of Hindlimb Unloading and Heavy Ion Radiation on Skeletal Muscle Arteriole Function
Dissertation Chair: M. D. Delp

Zackary I. Gilmore, Bachelor of Arts in Anthropology, 2003, Texas A&M University

Major: *Anthropology*

Dissertation: Gathering Places: Histories of Material and Social Interaction at Late Archaic Shell Mounds in Florida

Dissertation Chair: K. E. Sassaman

Brian Daniel Glenn, Bachelor of Science, 2008, Brigham Young University—Utah; Master of Science, 2011, University of Florida

Major: *Horticultural Sciences—Environmental*

Dissertation: Effect of Shade Duration and Temperature on Warm Season Turfgrass Growth and Development

Dissertation Chair: J. K. Kruse

Dissertation Co-chair: J. B. Unruh

Grant Thomas Godden, Bachelor of Arts, 2000, Master of Science in Plant Biology, 2009, Michigan State University

Major: *Botany*

Dissertation: Out of the Bushes and Into the Trees: Alternative Approaches for Resolving the Phylogeny of *Lamiaceae*

Dissertation Chair: P. S. Soltis

Marianne E. Goodwin, Bachelor of Science in Biological Sciences, 2008, Florida International University

Major: *Medical Sciences—Genetics*

Dissertation: High-Throughput Sequencing Approaches to Identify Protein Sequestration and RNA MIS-Processing in Neurological Disease

Dissertation Chair: M. S. Swanson

Ellen Gopan, Bachelor of Arts in Physics, 2007, Bachelor of Arts in Mathematics, 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

Uriah Michael Gravois, Bachelor of Science in Civil Engineering, 2007, Master of Science, 2010, University of Florida

Major: *Coastal and Oceanographic Engineering*

Dissertation: Validation Test Cases for Operational Wave Models

Dissertation Chair: A. A. Sheremet

Leandro F. Greco, Doctor of Veterinary Medicine, 2006, Federal University of Goias—Brazil; Master in Agronomical Sciences, 2008, University of San Paulo—Brazil

Major: *Animal Molecular and Cellular Biology*

Dissertation: Fatty Acids in Dairy Cattle Nutrition: Insights on Productive and Reproductive Performances

Dissertation Chair: J. E. Santos

Phillip Scott Ellis Green, Bachelor of Arts in Comparative Religion, 2002, University of Washington—Seattle; Master of Arts, 2007, University of Florida

Major: *Religion*

Dissertation: The Vat Sithor Inscription: Translation, Commentary, and Reflections on Buddhist Traditions in Tenth-Century Cambodia

Dissertation Chair: V. R. Narayanan

Dissertation Co-chair: J. Neelis

Latori S. Griffin, Bachelor of Science *summa cum laude*, 2007, Master of Education, 2010, Specialist in Education, 2010, University of Florida

Major: *Counseling and Counselor Education*

Dissertation: An Exploratory Examination of the Relational Factors That Predict Achievement Among African American High School Students

Dissertation Chair: M. H. Daniels

Susan Victoria Gruner, Bachelor of Science, 1999, Master of Science, 2004, University of Florida

Major: *Entomology and Nematology*

Dissertation: Development and Phenological Modeling of the Oriental Latrine Fly, *Chrysomya Megacephala (Diptera: Calliphoridae)*

Dissertation Chair: J. L. Capinera

- Michael Guidi, Bachelor of Science in Psychology, 2007, Florida Atlantic University
 Major: *Medical Sciences–Neuroscience*
 Dissertation: Age-Related Decline in Attention and Executive Function: Contributions of the N-Methyl-D-Aspartate Receptor
 Dissertation Chair: T. C. Foster
- Ali Senol Gundogan, Bachelor of Science, 2006, Abant Izzet Baysal University–Turkey; Master of Science, 2008, Istanbul Technical University–Turkey
 Major: *Chemistry*
 Dissertation: Synthesis and Photophysical Characterization of Organometallic Platinum Complexes With Donor-Acceptor Chromophores and Effects of Direct Metallation
 Dissertation Chair: K. S. Schanze
- Yasemin Gunpinar, Lisans, 2006, Yuksek Lisans, 2008, Marmara University–Turkey
 Major: *Curriculum and Instruction*
 Dissertation: The Effects of Using Connected Classroom Technology on Representational Fluency
 Dissertation Chair: S. J. Pape
 Dissertation Co-chair: T. Jacobbe
- Ana Maria Hagan-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
- Laurel A. Harbin, Bachelor of Science in Interior Design, 2003, Master of Arts, 2005, Florida State University
 Major: *Design, Construction, and Planning*
 Dissertation: The Etawah Pilot Project: A Case Study of Albert Mayer’s Normative Regionalism in Post-Independence India
 Dissertation Chair: K. E. Larsen
- Ying He, Bachelor of Management, 2003, Wuhan University–China; Master of Science in Applied Statistics, 2010, Bowling Green State University–Ohio
 Major: *Biostatistics*
 Dissertation: On Statistical Inference of Two Adaptive Clinical Trial Designs
 Dissertation Chair: S. S. Wu
- Kyle P. Heim, Bachelor of Science in Biochemistry, 2008, Clemson University–South Carolina
 Major: *Medical Sciences–Biochemistry and Molecular Biology*
 Dissertation: Investigation of the Structure and Assembly of the *Streptococcus mutans* Cell Surface Localized Adhesin P1
 Dissertation Chair: L. J. Brady
 Dissertation Co-chair: J. R. Long
- Wendy Leigh Helmey, Bachelor of Science *cum laude*, 1993, Master of Education, 1999, Master of Science, 2000, Specialist in Education, 2009, University of Florida
 Major: *Entomology and Nematology*
 Dissertation: Effects of Environmental Variation on Sexual Selection in a Stink Bug, *Murgantia histrionica* (*Hemiptera: Pentatomidae*)
 Dissertation Chair: C. W. Miller
- Robert Heyward Hembree II, Bachelor of Science in Physics *summa cum laude*, 2009, Hampden-Sydney College–Virginia
 Major: *Physics*
 Dissertation: Photoconductivity at Nanostructured Semiconductor Surfaces: A Density Matrix Approach
 Dissertation Chair: H. P. Cheng
 Dissertation Co-chair: D. A. Micha
- Nathaniel Lantaca Hepowit, Bachelor of Science in Zoology, 2001, Master of Science in Biology, 2006, Mindanao State University–Philippines; Master of Science, 2011, University of Florida
 Major: *Microbiology and Cell Science*
 Dissertation: Activation, Thiocarboxylation, and Deconjugation of Archaeal Ubiquitin-Like Proteins
 Dissertation Chair: J. A. Maupin

- Jessica A. Holt, Bachelor of Science *cum laude*, 2007, University of Florida; Master of Science in Agricultural Communications, 2010, Oklahoma State University
 Major: *Agricultural Education and Communication*
 Dissertation: The Effect of Media Channels on Consumers Intentions to Buy Local Food Using Theory of Planned Behavior and Media Channel Perceptions
 Dissertation Chair: R. W. Telg
 Dissertation Co-chair: J. N. Rumble
- Melanie Kim Holton, Bachelor of Science in Ecology, 1998, University of Georgia; Master of Science in Zoology, 2001, University of Wisconsin at Madison
 Major: *Health and Human Performance*
 Dissertation: Complementary and Alternative Medicine Use in the United States: Mental, Physical, and Occupational Health
 Dissertation Chair: A. E. Barry
- David R. Hoot, Bachelor of Arts in Classics *magna cum laude*, 1998, Baylor University–Texas; Master of Arts, 2002, Bryn Mawr College–Pennsylvania
 Major: *Classical Studies*
 Dissertation: The Sanctuary of Asclepius at Epidaurus in Roman Times
 Dissertation Chair: R. S. Wagman
- Chao-Jung Hsu, Bachelor of Physical Therapy, 2006, Master of Physical Therapy, 2008, National Yang Ming University–Taiwan
 Major: *Rehabilitation Science*
 Dissertation: Impairments and Rehabilitation Outcomes in Patients With Traumatic Meniscal Tears and Meniscectomy
 Dissertation Chair: T. L. Chmielewski
- Jing Hu, Bachelor of Engineering, 2008, Master of Engineering, 2010, China Agricultural University
 Major: *Soil and Water Science*
 Minor: *Statistics*
 Dissertation: Nitrous Oxide Production, Consumption and Flux in Agroecosystems: Effects of Hydrology and Land Use
 Dissertation Chair: K. R. Reddy
 Dissertation Co-chair: K. S. Inglett
- Todd Ryan Hughes, Bachelor of Arts in History, 1997, University of the Cumberland–Kentucky; Master of Arts in Education, 1999, College of William and Mary–Virginia; Master of Arts, 2011, University of Florida
 Major: *Linguistics*
 Dissertation: Approaches to Wakhi Subject-Oriented Past Tense Clitics
 Dissertation Chair: B. M. Henderson
- William Paul Jawde, Bachelor of Arts in History, 2003, University of Connecticut; Master of Arts, 2007, University of Florida
 Major: *Sociology*
 Dissertation: More or Less Government? Investigating Underlying Relationships Regarding Perceptions About Government Responsibility
 Dissertation Chair: C. F. Gattone
- Wen Ji, Bachelor of Engineering, 2009, Sichuan University–China
 Major: *Agricultural and Biological Engineering*
 Minor: *New Venture Creation (Special Minor)*
 Dissertation: Application of Hollow Fiber Membrane Bioreactor (Hfmbbr)
 Dissertation Chair: P. C. Pullammanappallil
- Yang Jiao, Bachelor of Philosophy, 2005, Fudan University–China; Master of Arts, 2007, University of Florida
 Major: *Anthropology*
 Dissertation: Migration and Social Life of the Chinese Entrepreneurs in Ghana
 Dissertation Chair: C. Shih
 Dissertation Co-chair: A. Spring
- Ahyea Jo, Bachelor of Arts, 2002, Hongik University–South Korea; Master of Science, 2007, State University of New York at Albany
 Major: *Curriculum and Instruction*
 Dissertation: Bilingual Elementary Mainstream Teachers' Voices of Their Bilingual Experiences for Their Work in Linguistically and Culturally Diverse Classrooms
 Dissertation Chair: E. J. De Jong

- Kevin C. Jones, Bachelor of Arts in English, 2002, Union Institute and University—Ohio; Master of Arts in Creative Writing, 2005, Queens University of Charlotte—North Carolina
 Major: *Higher Education Administration*
 Dissertation: Understanding Transition Experiences of Combat Veterans Attending Community College
 Dissertation Chair: D. F. Campbell
- Joo In Jung, Bachelor of Science, 2008, Sogang University—South Korea; Master of Science in Biology, 2009, New York University
 Major: *Medical Sciences—Neuroscience*
 Dissertation: Biological and Therapeutic Implications of Gamma-Secretase Modulators in Alzheimer’s Disease
 Dissertation Chair: T. E. Golde
- Lucie Abena Kadjo, Bachelor in Economics, 2006, University of Hassan—Morocco; Master of Science, 2010, University of Florida
 Major: *Food and Resource Economics*
 Dissertation: Import Demand, Food Safety, and Price Transmission: A Study of the International Cocoa Sector
 Dissertation Chair: J. L. Seale
 Dissertation Co-chair: J. J. Vansickle
- Rüchan Kaya, Bachelor of Arts in Social and Political Science, 2008, Sabanci Universitesi—Turkey; Master of Arts, 2011, University of Florida
 Major: *Political Science*
 Dissertation: A New Type of Resource Curse? Effect of Natural Resource Pipelines on Level of Democracy, Regime Stability, and Development
 Dissertation Chair: M. H. Bernhard
- Yogesh P. Khare, Bachelor of Engineering, 2006, University of Mumbai—India; Master of Science, 2009, University of Florida
 Major: *Agricultural and Biological Engineering*
 Dissertation: Drought and Watershed Model Evaluation: Global Sensitivity Analysis Applications and an Improved Parameter Sampling Strategy for Screening Exercises
 Dissertation Chair: C. J. Martinez
- Mahmoud Kamal Ahmed Khedher Agha, Bachelor of Science in Agriculture, 1998, Master of Science in Agriculture, 2001, University of Baghdad—Iraq; Master of Engineering, 2013, University of Florida
 Major: *Agricultural and Biological Engineering*
 Dissertation: Detection and Protection of Triticale Seed From Infestation in a Storage System
 Dissertation Chair: W. S. Lee
 Dissertation Co-chair: R. A. Bucklin
- Sarah Ann Kiley, 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
- Sungsik Kim, Bachelor of Engineering, 2002, Kyung Hee University—South Korea; Master of Science, 2011, University of Florida
 Major: *Mechanical Engineering*
 Dissertation: Kinetic Study of Oxidation of Methane Over Bimetallic Catalyst by Theoretical Methods
 Dissertation Chair: D. W. Mikolaitis
- Melissa Mae Kreye, Bachelor of Science, 2004, Master of Science in Natural Resources, 2008, Humboldt State University—California
 Major: *Forest Resources and Conservation*
 Dissertation: Public Preferences and Willingness-To-Pay Forest Conservation Programs to Protect Water Quality
 Dissertation Chair: D. Adams
- 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

- Rohit Kumar, Bachelor of Technology in Electronics Engineering, 2006, Banaras Hindu University—India; Master of Science, 2010, University of Florida
 Major: *Electrical and Computer Engineering*
 Dissertation: A Framework to Generate Partially Reconfigurable FPGA Application From High-Level FPGA Application
 Dissertation Chair: A. M. Gordon-Ross
- Carmen Alondra Laguer Diaz, Bachelor of Arts in Anthropology, 2007, University of Puerto Rico at Rio Piedras; Master of Arts, 2009, University of Florida
 Major: *Anthropology*
 Dissertation: The Historical Creation of Identities in Puerto Rico
 Dissertation Chair: W. F. Keegan
- Eleanor Anne Laughlin, Bachelor of Arts in French, 1995, Bachelor of Arts in Education *magna cum laude*, 1995, Arizona State University; Master of Liberal Arts, 2002, Harvard University—Massachusetts
 Major: *Art History*
 Dissertation: Posed and Deposed: Propaganda and Resistance in Carte De Visite Photographs of Maximilian Von Habsburg During Mexico's Second Empire (1864-1867)
 Dissertation Chair: M. L. Hyde
 Dissertation Co-chair: M. Stanfield-Mazzi
- Kadesh Lauridsen, Bachelor of Arts *magna cum laude*, 2002, University of North Florida; Master of Arts, 2006, University of Florida
 Major: *English*
 Dissertation: Let Us Not Desert One Another: Women Writing Friendship and Community in the Long Eighteenth Century
 Dissertation Chair: J. W. Page
- Candice M. Lavelle, Bachelor of Science in Marine Biology *magna cum laude*, 2005, Roger Williams University—Rhode Island; Master of Science in Water Resources Science, 2009, University of Minnesota at Twin Cities
 Major: *Veterinary Medical Sciences*
 Dissertation: Nanomaterial Uptake and Reproductive Consequences in Fathead Minnows
 Dissertation Chair: N. D. Denslow
- Jinhyung Lee, Bachelor of Science in Engineering, 2009, Yonsei University—South Korea; Master of Science, 2012, University of Florida
 Major: *Materials Science and Engineering*
 Dissertation: Surface and Sub-Surface Damage in Ultra-Hard Substrates for Wide Band Gap Semiconductor Applications
 Dissertation Chair: R. K. Singh
- Uisung Lee, Bachelor of Engineering, 2005, Korea University—South Korea; Master of Science, 2012, University of Florida
 Major: *Mechanical Engineering*
 Dissertation: Experimental and Numerical Evaluation of Thermochemical Conversion of Biomass and Municipal Solid Waste Using a High Temperature Steam Gasification
 Dissertation Chair: J. N. Chung
- Michelle J. LeFebvre, Bachelor of Arts in Anthropology *magna cum laude*, 2003, University of Kentucky; Master of Arts, 2005, University of Florida
 Major: *Anthropology*
 Dissertation: Animals, Food, and Social Life Among the Pre-Columbian Taino of En Bas Saline, Hispaniola
 Dissertation Chair: S. D. deFrance
- Carissa Hsiao Chieh Li, Bachelor of Science, 2010, National Central University—Taiwan
 Major: *Chemistry*
 Dissertation: Cyanide-Bridged Coordination Polymers as Battery Cathodes
 Dissertation Chair: D. R. Talham
- Xiangguo Li, Bachelor of Science, 2008, Nanjing University—China; Master of Science, 2009, University of Florida
 Major: *Physics*
 Dissertation: Magnetism and Electron Transport at Nano Scales
 Dissertation Chair: H. P. Cheng

- Zheng Li, Bachelor of Medicine, 2007, Capital Medical University—China; Master of Public Health, 2010, University of Nevada at Reno
Major: *Epidemiology*
Dissertation: Health Outcomes and Pediatric Asthma: A Longitudinal Study
Dissertation Chair: E. A. Shenkman
- Meng Liu, Bachelor of Science, 2008, Peking University—China; Master of Science, 2010, University of Florida
Major: *Mathematics*
Dissertation: Modeling and Algorithms for Compressive Magnetic Resonance (MR) Image Reconstruction
Dissertation Chair: Y. Chen
- Yonggang Liu, Bachelor of Engineering, 2008, Beijing University—China
Major: *Electrical and Computer Engineering*
Dissertation: Interposition-based I/O Scheduling in Virtualized Parallel File Systems
Dissertation Chair: R. J. Figueiredo
- Nelia Sánchez Long, Bachelor of Science in Nuclear Engineering *cum laude*, 2010, Master of Science, 2013, University of Florida
Major: *Biomedical Engineering*
Dissertation: Development of a Computational Adult Brain Model and Applications to Radiation Dosimetry of Brain Structures During CT Examinations
Dissertation Chair: W. E. Bolch
- David Lopez Vieira, Bachelor of Science in Engineering Science, 2009, University of Western Ontario—Canada
Major: *Medical Sciences—Molecular Cell Biology*
Dissertation: Hematopoiesis in a Fully Regenerative Vertebrate: The Axolotl
Dissertation Chair: E. W. Scott
- Zhiyao Luo, Bachelor of Science, 2008, Zhongshan University—China; Master of Science Applied, 2010, McGill University—Canada
Major: *Food Science*
Dissertation: Detection and Characterization of Salmonella From Irrigation Ponds in Upper Suwannee River Watershed
Dissertation Chair: A. C. Wright
- Jennifer Kaye Lyles, Bachelor of Science in Biology, 2009, Francis Marion University—South Carolina
Major: *Medical Sciences—Genetics*
Dissertation: Investigating the Role of DNA Replication in the Establishment and Maintenance of Recombinant Adeno-Associated Viral Vector Genomes
Dissertation Chair: R. O. Snyder
- Mildred N. Makani, Bachelor of Science, 2003, University of Zimbabwe; Master of Science, 2010, University of Florida
Major: *Horticultural Sciences*
Dissertation: Improving Water and Fertilizer Use Efficiency, While Maintaining Postharvest Quality of Tablestock Potatoes (*Solanum Tuberosum* L.). Evaluation of ‘Rapid Curing’ as a Means of Prolonging Shelf-Life of Florida’s ‘New’ Potatoes
Dissertation Chair: S. A. Sargent
Dissertation Co-chair: L. Zotarelli
- 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
- Natalia Martinez Patino, Titulo de Medico Veterinario, 2001, National University of Colombia;
Master of Preventative Veterinary Medicine, 2009, University of California at Davis
Major: *Animal Sciences*
Dissertation: Characterization of Subclinical Hypocalcemia and Strategies to Control Its Adverse Effects on Immune Function and Incidence of Uterine Disease in Early Postpartum Dairy Cows
Dissertation Chair: J. E. Santos
- Glenda Kay Mayo, Bachelor of Science in Industrial Technology, 1995, Master of Science, 2005, University of West Florida
Major: *Design, Construction, and Planning*
Dissertation: Non-Geometric Data for Facilities Management: A Standardized Basic Needs Assessment for Facility Owners
Dissertation Chair: R. R. Issa

- Kenton Elliot McBride, Bachelor of Science in Civil Engineering, 2009, University of Nebraska at Lincoln; Master of Engineering, 2011, University of Florida
 Major: *Civil Engineering*
 Dissertation: Steel Strength of Anchor Bolts in Stand-Off Base Plate Connections
 Dissertation Chair: R. A. Cook
- Emily Stewart 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
- Daniel Stewart McCoy, Bachelor of Arts in Anthropology *cum laude*, 1992, San Francisco State University—California; Master of Arts in Anthropology, 1995, University of California at Los Angeles
 Major: *Curriculum and Instruction*
 Dissertation: Orthodoxy, Heterodoxy, and Instruction: Ideologies of Learning and Online Instructional Practices
 Dissertation Chair: T. M. Dana
- Eva Maria McFadden, Bachelor of Arts *magna cum laude*, 2000, Flagler College—Florida; Master of Arts in English, 2003, University of North Florida
 Major: *English*
 Dissertation: (En)Countering Confinement: Reading the Call for Independence in the Novels of Mary Robinson
 Dissertation Chair: J. W. Page
- Denyse Maria Mello, Bachelor in Agronomy, 1991, Master in Sustainable Development and Family Agricultures, 2009, Federal University of Acre—Brazil
 Major: *Interdisciplinary Ecology*
 Dissertation: Collective Microenterprises and Rural Women's Economic Empowerment in Brazilian Amazonia
 Dissertation Chair: M. C. Schmink
- Anna M. Mench, Bachelor of Science *cum laude*, 2008, University of Guelph—Canada; Master of Science, 2012, University of Florida
 Major: *Biomedical Engineering*
 Dissertation: Organ Dose and Image Quality Assessment of Iterative Reconstruction Algorithm in Computed Tomography Using Postmortem Subjects
 Dissertation Chair: M. M. Arreola
 Dissertation Co-chair: L. N. Rill
- Mindy Alison Menn, Bachelor of Arts in Sociology, 2007, Master of Science in Education and Human Development, 2009, Texas A&M University at College Station
 Major: *Health and Human Performance*
 Dissertation: Distracted Driving Among Young Adults
 Dissertation Chair: J. D. Chaney
- Octavio Augusto Menocal-Barberena, Titulo de Ingeniero Agronomo, 1990, National Agrarian University—Peru; Master of Science, 1999, University of Florida
 Major: *Horticultural Sciences*
 Dissertation: Effect of Soil Applied Potassium Silicate Applications on Papaya (*Carica Papaya L.*) Plant Growth, Development, Yields, Physiology, and Postharvest Fruit Quality
 Dissertation Chair: J. H. Crane
- 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
- Francois Jacques Albert Michonneau, Maitrise in Biologie des Populations et des Ecosystemes, 2004, Universite de la Reunion—France; Diplome de Master, 2005, Universite Pierre et Marie Curie—France
 Major: *Zoology*
 Dissertation: More Than Meets the Eye: Species Limits and Diversity in Sea Cucumber (*Echinodermata: Holothuroidea*)
 Dissertation Chair: G. Paulay

- 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
- Sahar Mirshamsi, Bachelor of Physics, 2004, K. N. Toosi University of Technology—Iran; Master of Science, 2008, Sharif University of Technology—Iran
 Major: *Physics*
 Dissertation: Water Confinement in Nanopores and Its Transport Properties
 Dissertation Chair: H. P. Cheng
 Dissertation Co-chair: A. Biswas
- Claudia María Monzón Alvarado, Titulo de Biologa en El Grado de Licenciado, 2004, Universidad del Valle de Guatemala; Maestria en Ciencias, 2008, el Colegio de La Frontera Sur—Mexico
 Major: *Geography*
 Dissertation: Governance of Fire Management in Calakmul, Mexico: Institutions, Local Practice, and Human-Environmental Outcomes
 Dissertation Chair: E. Keys
 Dissertation Co-chair: P. R. Waylen
- Paul M. Moore, Bachelor of Science in Mechanical Engineering *cum laude*, 2009, Master of Science, 2011, University of Florida
 Major: *Mechanical Engineering*
 Dissertation: Adaptively Tuned Micromanipulator and Fixturing Mechanism for Micro- and Mesoscale Manufacturing
 Dissertation Chair: G. J. Wiens
- Theron Gyasi Morgan-Brown, Bachelor of Arts, 2000, Lewis and Clark College—Oregon; Master of Science, 2007, University of Florida
 Major: *Interdisciplinary Ecology*
 Dissertation: Governance and Incentive Structures for Reducing Emissions From Deforestation and Degradation (Redd) in Tanzania
 Dissertation Chair: S. Jacobson
- Michael Edward Morris, Bachelor of Arts in Political Science, 1989, Master of Public Health, 1996, Emory University—Georgia; Master of Public Administration, 2007, Georgia State University
 Major: *Health Services Research*
 Dissertation: A Longitudinal Examination of Florida Local Public Health Investment's Influence on Targeted Health Outcomes
 Dissertation Chair: J. S. Harman
- Shyam Prasad Mudiraj, Bachelor of Engineering in Chemical Engineering, 2008, Birla Institute of Technology and Science—India; Master of Science, 2010, University of Florida
 Major: *Chemical Engineering*
 Dissertation: Advanced Model-Based Control Design for Direct Methanol Fuel Cell Systems
 Dissertation Chair: O. D. Crisalle
- Robert A. Mueller, Bachelor of Science in Chemical Engineering *summa cum laude*, 2009, University of Florida
 Major: *Chemical Engineering*
 Dissertation: Diffusion of Light Gases in Advanced Nanoporous Membranes and Catalysts via NMR Diffusometry
 Dissertation Chair: S. Vasenkov
- Raissa Miriam Nascimento Guerra, Titulo de Bacharel, 1995, Unviersidade de Brasilia; Grau de Mestre, 2002, Universidade de Brasilia
 Major: *Interdisciplinary Ecology*
 Dissertation: Feasibility of Payments for Environmental Services in the Amazon Region: Tools for *Ex Ante* Assessment
 Dissertation Chair: M. C. Schmink
- 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

- Liv Kelly Newman, Bachelor of Arts in History, 1997, Emory University—Georgia; Master of Arts in Education, 2000, Stanford University—California; Master of Arts, 2004, University of Florida
 Major: *Sociology*
 Dissertation: Race and Class in the Twenty-First Century: The Lived Experiences of Professional-Class Black Americans
 Dissertation Chair: C. L. Shehan
- Terry Keo Ngin, Bachelor of Science in Electrical Engineering *cum laude*, 2010, Master of Science, 2011, University of Florida
 Major: *Electrical and Computer Engineering*
 Dissertation: The Rocket-and-Wire Triggering Process: Channel-Base Currents and Ground-Level Electric Fields
 Dissertation Chair: M. A. Uman
 Dissertation Co-chair: V. A. Rakov
- Cuong Kien Ngo, Bachelor of Science, 2003, Hue University—Vietnam; Master of Science, 2009, University of Florida
 Major: *Mathematics*
 Dissertation: An Alternating Direction Approximate Newton Algorithm for Ill-Conditioned Problems With Application to Parallel MRI
 Dissertation Chair: W. W. Hager
- Tanh Tran Nhan Nguyen, Bang Tot Nghiep Dai Hoc, 2000, Thac Si, 2005, Can Tho University—Vietnam
 Major: *Agricultural and Biological Engineering*
 Dissertation: Combining Hydrologic Modeling and Economic Factors to Optimize Water Management for a Vietnamese Wetland System
 Dissertation Chair: K. W. Migliaccio
- Zhijiang Ni, Bachelor of Engineering, 2007, Master of Engineering, 2009, China Agricultural University
 Major: *Agricultural and Biological Engineering*
 Dissertation: Three Dimensional Reconstruction of Tree Canopy Using Machine Vision
 Dissertation Chair: T. F. Burks
- Chien-Ming Nieh, Bachelor of Science in Electrophysics, 2005, Master of Science in Photonics, 2007, National Chiao Tung—Taiwan
 Major: *Electrical and Computer Engineering*
 Dissertation: 5.8-Gigahertz Doppler Radar Design for Improved Coverage and System Miniaturization of Noncontact Vibration and Distance Detection
 Dissertation Chair: J. Lin
- Patrick Michael O'Day, Bachelor of Arts in Anthropology, 1993, Fort Lewis College—Colorado; Master of Arts, 2002, University of Florida
 Major: *Anthropology*
 Dissertation: Measuring Pre-Contact Marine Fisheries in the Marianas Archipelago
 Dissertation Chair: K. E. Sassaman
 Dissertation Co-chair: D. J. Murie
- Christopher T. O'Donohue, Bachelor of Science in Engineering in Chemical Engineering, 2008, University of Pittsburgh—Pennsylvania
 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
- Victor M. Olivieri, Bachelor of Arts, 2004, Arizona State University; Master of Arts in Political Science, 2008, University of Louisville—Kentucky; Master of Arts, 2012, University of Florida
 Major: *Political Science*
 Dissertation: New Model Europeans: How Regional, National, and European Identities Interact to Forge What It Means to Be European
 Dissertation Chair: M. H. Bernhard
 Dissertation Co-chair: I. Oren
- Emily V. O'Neill, Bachelor of Science in Chemistry, 2010, College of New Jersey
 Major: *Chemistry*
 Dissertation: Mass Spectrometric Analyses and Imaging of Materials Found in Paint Cross-Section From Replica Works of Art
 Dissertation Chair: R. A. Yost

- Richard S. Ottens, Bachelor of Science in Physics *magna cum laude*, 2006, College of New Jersey; Master of Science, 2009, University of Florida
 Major: *Physics*
 Dissertation: A Study of Evanescent-Wave Heat Transfer in a Parallel Plane Geometry
 Dissertation Chair: D. B. Tanner
- Matias Alejandro Oyarzun, Bachelor of Science in Aerospace Engineering *cum laude*, 2005, Bachelor of Science in Mechanical Engineering *cum laude*, 2005, Master of Science, 2008, University of Florida
 Major: *Mechanical Engineering*
 Dissertation: On the Design and Optimization of Zero-Net Mass-Flux Actuators for Active Flow Control Applications
 Dissertation Chair: L. N. Cattafesta
- Aysegul Ozkan, 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
- Pablo Sebastián Padrón, Titulo de Biologo, 2007, Universidad del Azuay—Ecuador; Master of Science, 2010, University of Florida
 Major: *Entomology and Nematology*
 Dissertation: Molecular Phylogeny and Biogeography of the Genus *Catantacta* Butler, 1870
 Dissertation Chair: K. R. Willmott
- Kristin Michelle Arndt Page, Bachelor of Arts, 2007, University of Florida
 Major: *Counseling and Counselor Education*
 Dissertation: The Effects of Cognitive Behavioral Treatment and Demographic Factors on Recidivism
 Dissertation Chair: M. H. Daniels
- 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
- In Jun Park, Bachelor of Engineering, 2007, Master of Science, 2010, University of Seoul
 Major: *Electrical and Computer Engineering*
 Dissertation: A Computational Model for Animal Navigation in Turbulent Odor Plumes
 Dissertation Chair: J. C. Principe
- Jiyoung Park, Bachelor of Science, 2002, Master of Science, 2004, Chonnam National University—South Korea
 Major: *Plant Molecular and Cellular Biology*
 Dissertation: Arabidopsis Burp Domain Protein: Atpg1beta is Involved in Cell Size Regulation
 Dissertation Chair: B. Kang
- Yun-Jong Park, Bachelor of Engineering, 2001, Korea University—South Korea; Master of Science in Biology, 2004, Yonsei University—South Korea
 Major: *Medical Sciences—Immunology and Microbiology*
 Dissertation: Identification of Regulatory Factors Involved in Salivary Gland Epithelial Cell Differentiation
 Dissertation Chair: S. Cha
- Sabrina Marie Parra, Bachelor of Science in Civil Engineering *summa cum laude*, 2009, Master of Science, 2013, University of Florida
 Major: *Coastal and Oceanographic Engineering*
 Dissertation: Seasonal, Local, and Remote Effects on a Point-Source Submarine Groundwater Discharge
 Dissertation Chair: A. Valle-Levinson
- Ekta Pathak, Master of Science, 2005, Gurukul Kangri University—India
 Major: *Entomology and Nematology*
 Dissertation: Diversity of Nematophagous Fungi Populations and Their Relevance to the Regulation of Entomopathogenic Nematodes in Florida Citrus Orchards
 Dissertation Chair: L. W. Duncan

- Edward Mario Perez Jr., Bachelor of Arts, 1996, Colorado Christian University; Master of Arts in Philosophy of Religion, 1999, Denver Seminary; Master of Arts in Philosophy, 2004, University of Colorado at Boulder
Major: *Philosophy*
Dissertation: On the Ontological Status of Propositions: Why Linguistic Logical Form Cannot Ground Propositional Structure
Dissertation Chair: M. E. Jubien
- Linh Thuy Pham, Bang Tot Nghiep Dai Hoc, 2007, Hanoi University of Technology–Vietnam
Major: *Chemistry*
Minor: *Biochemistry and Molecular Biology*
Dissertation: Exploring the Topologies and Magnetic Exchange Interactions in New Hybrid Molecular 3D-4F Single-Molecule Magnet Families
Dissertation Chair: G. Christou
- John T. Pilkey, Bachelor of Science, 2010, Master of Science, 2012, University of Florida
Major: *Electrical and Computer Engineering*
Dissertation: Rocket-Triggered Lightning Propagation and North-Florida Thunderstorm Charge Structure
Dissertation Chair: M. A. Uman
Dissertation Co-chair: V. A. Rakov
- Jorge Luis Pino Concepción, Bachelor in Biology, 2003, Autonomous University of Chiriqui–Panama
Major: *Zoology*
Dissertation: On the Evolutionary History of the Neotropical Singing Mice, Genus *Scotinomys*
Dissertation Chair: D. L. Reed
Dissertation Co-chair: S. M. Phelps
- Amanda Lynne Posgai, Bachelor of Science *cum laude*, 2010, Bachelor of Science *cum laude*, 2010, University of Florida
Major: *Medical Sciences–Immunology and Microbiology*
Dissertation: Evaluating Efficacy and Mechanism of Combination Therapies for the Prevention and Reversal of Type 1 Diabetes Using the Non-Obese Diabetic Mouse Model of the Disease
Dissertation Chair: M. A. Atkinson
- Alireza Pourreza, Bachelor of Farm Machinery Engineering, 2004, Master in Agricultural Engineering, 2011, Ferdowsi University of Mashhad–Iran; Master of Science Engineering, 2014, University of Florida
Major: *Agricultural and Biological Engineering*
Dissertation: Citrus Huanglongbing and Black Spot Diseases Identification Using Computer Vision and Spectrometry
Dissertation Chair: W. S. Lee
- Melissa A. Ramirez Rodrigues, Bachelor of Economics, 2005, University of the Americas–Mexico; Master of Science, 2008, University of Florida
Major: *Agricultural and Biological Engineering*
Dissertation: More for Less Using Seasonal Climate Forecasting for Wheat Cropping
Dissertation Chair: S. Asseng
- Shivakeshavan Ratnadurai Giridharan, Bachelor of Engineering in Electrical and Electronics Engineering, 2008, Anna University–India; Master of Science, 2010, University of Florida
Major: *Biomedical Engineering*
Dissertation: Influence of Synaptic Changes on Synchronization in Neuronal Networks
Dissertation Chair: S. S. Talathi
Dissertation Co-chair: P. P. Khargonekar
- Justin W. Richardson, Bachelor of Science in Electrical Engineering *magna cum laude*, 2007, Master of Science, 2008, Master of Science, 2010, University of Florida
Major: *Electrical and Computer Engineering*
Dissertation: A Comprehensive Methodology for Analysis of Diverse Processor Architectures
Dissertation Chair: A. D. George
- Aurelijus Rinkevicius, Bachelor in Physics, 2010, Vilnius University–Lithuania
Major: *Physics*
Dissertation: An Observation of a Higgs Boson in the H to ZZ to Four Leptons Decay Channel and the Studies of Its Spin-Parity Properties
Dissertation Chair: G. Mitselmakher
Dissertation Co-chair: A. Korytov

Luisa F. Rios Avila, Titulo de Bacteriologa, 2004, Pontificia Universidad Javeriana—Colombia; Master of Science in Nutrition, 2010, University of Nebraska at Lincoln

Major: *Nutritional Sciences*

Dissertation: Metabolic Effects of Vitamin B-6 on One Carbon Metabolism, Tryptophan Catabolism, and Biomarkers of Inflammation in Oral Contraceptive Users

Dissertation Chair: J. F. Gregory

Olivia Nathalie Risset, Licence, 2008, Diplome de Master de Sciences et Technologies, 2010, University Pierre et Marie Curie—France

Major: *Chemistry*

Dissertation: Coordination Polymer Structures at the Mesoscale: Morphology and Magnetic Properties

Dissertation Chair: D. R. Talham

Nathan Paul Roehr, Bachelor of Science in Chemistry, 2008, University of Texas at Arlington

Major: *Chemistry*

Dissertation: Vibrational Spectroscopy of Industrial and Astrochemistry Relevant Species Trapped in Argon Matrices

Dissertation Chair: N. C. Polfer

Amy Roth Rosenthal, Bachelor of Arts in Psychology with *summa cum laude*, 2004, Emory University—Georgia; Master of Education, 2009, University of Florida

Major: *School Psychology*

Dissertation: The Impact of the Student Teaching Internship on Preservice Teachers' Beliefs About the Importance of Home-School Partnership Activities and on Their Teaching Self-Efficacy

Dissertation Chair: T. M. Smith-Bonahue

Jennifer Lauren Ross, Bachelor of Science in Mathematics, 2006, University of North Florida; Master of Science, 2008, San Diego State University—California

Major: *Coastal and Oceanographic Engineering*

Dissertation: Tidal and Near-Tidal Motions in a Patagonian Fjord

Dissertation Chair: A. Valle-Levinson

Thomas M. Royal, Bachelor of Science, 2005, Austin Peay State University—Tennessee; Master of Music, 2008, University of North Carolina at Greensboro

Major: *Music*

Dissertation: The Performance of Music Using Computers and Its Reconceptation as Play

Dissertation Chair: P. C. Koonce

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

Mazin Naseer Saber, Bachelor of Science in Agriculture Mechanization, 1999, Master of Science in Horticulture and Date Palm Science, 2003, University of Basrah—Iraq; Master of Engineering, 2014, University of Florida

Major: *Agricultural and Biological Engineering*

Dissertation: Development of an Automated Mechanical Weed Control System for Intra-Row Weeds in Vegetable Row Crops

Dissertation Chair: W. S. Lee

Hesamoddin Salehian, Bachelor of Science in Computer Engineering, 2010, Sharif University of Technology—Iran; Master of Science, 2014, University of Florida

Major: *Computer Engineering*

Dissertation: Incremental Algorithms for Statistical Analysis of Manifold Valued Data

Dissertation Chair: B. C. Vemuri

Edward G. Salsberry, Bachelor of Arts, 1997, Virginia Wesleyan College; Master of Arts, 2003, Norfolk State University—Virginia

Major: *Mass Communication*

Dissertation: The Rise and Fall of the Rock 'n' Roll Disc Jockey: 1950-1970

Dissertation Chair: D. H. Ostroff

- April Melanie Sapp, Bachelor of Science *cum laude*, 2009, University of Florida
Major: *Microbiology and Cell Science*
Dissertation: The Regulation of Nitric Oxide Levels in *Staphylococcus aureus* by Nitric Oxide Synthase and Nitric Oxide Reductase, and Their Effects on Physiology
Dissertation Chair: K. C. Rice
- Shashank G. Sawant, Bachelor of Technology, 2008, Visvesvaraya National Institute of Technology—India; Master of Science, 2010, University of Florida
Major: *Electrical and Computer Engineering*
Dissertation: Design, Fabrication, and Characterization of Micro-Electrodynamic-Zero-Net-Mass-Flux Actuators
Dissertation Chair: D. P. Arnold
- Katherine Ashley Sayler, Bachelor of Science, 2007, Master of Education, 2008, University of Florida
Major: *Veterinary Medical Sciences*
Dissertation: Emerging Pathogens Associated With the Lone Star Tick (*Amblyomma Americanum*) in Florida
Dissertation Chair: A. F. Barbet
- Amanda Naomi Schwait, Bachelor of Science *cum laude*, 2006, Master of Science, 2011, University of Florida
Major: *Counseling Psychology*
Dissertation: The Utility of the MMPI-2 Symptom Validity Scale (FBS) for Detecting Litigation: An Analog Study
Dissertation Chair: M. J. Herkov
- Maria Claudia Segovia Salcedo, Licenciado en Ciencias Biologicas, 1996, Pontificia University Cato;
Master of Science in Plant Biology, 2001, Ohio University
Major: *Botany*
Dissertation: New Insight Into the Evolutionary History of the Complex Andean Genus *Polylepis* (*Rosaceae:Sanguisorbeae*) and Its Implications for Conservation and Management
Dissertation Chair: P. S. Soltis
Dissertation Co-chair: D. E. Soltis
- Muhammad Shafiq, Bachelor of Engineering, 2002, NED University of Engineering and Technology at Karachi—Pakistan;
Master of Science in Mechanical and Aerospace Engineering, 2009, Illinois Institute of Technology
Major: *Mechanical Engineering*
Dissertation: Confinement Effects on the Deformation Behavior of Zirconium Diboride-Silicon Carbide (ZrB₂-SiC) Composite
Dissertation Chair: G. Subhash
- 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
- Tobin Jerel Shorey, Bachelor of Arts *summa cum laude*, 1997, Master of Arts, 2003, University of Florida
Major: *History*
Dissertation: Navigating the ‘Drunken Republic’: The Juno and the Russian American Frontier, 1799-1811
Dissertation Chair: S. D. Finkel
- Asmita Shukla, Bachelor of Technology in Agricultural Engineering, 2008, Govind Ballabh Pant University of Agriculture and Technology—India; Master of Engineering, 2013, University of Florida
Major: *Agricultural and Biological Engineering*
Dissertation: Nitrogen and Phosphorus Treatment by Agricultural Stormwater Detention Areas in the Everglades Watershed: Estimation, Enhancement, and Economics
Dissertation Chair: S. Shukla
- Corey Brae Simon, Doctor in Physical Therapy, 2004, Bachelor of Science in Exercise Science, 2004, State University of New York at Buffalo
Major: *Rehabilitation Science*
Dissertation: Age Differences in Pain Sensitivity and Response to Transcutaneous Electrical Nerve Stimulation
Dissertation Chair: S. George

- Eva L. Solano, Bachelor of Arts in Psychology *summa cum laude*, 1999, Master of Education, 2004, University of North Florida
 Major: *Curriculum and Instruction*
 Dissertation: Latin American Adolescent Immigrant Narratives: A Qualitative Study of Culture and Identity
 Dissertation Chair: D. Fu
- Kurt J. Sollanek, Bachelor of Science in Exercise Science *summa cum laude*, 2008, Southern Connecticut State University
 Major: *Health and Human Performance*
 Dissertation: Global Proteomics Changes in the Diaphragm Resulting From Endurance Exercise Training
 Dissertation Chair: S. K. Powers
- Jignesh Chandrika Soni, Bachelor of Engineering, 2005, University of Mumbai—India; Master of Technology, 2007, Indian Institute of Technology—India
 Major: *Aerospace Engineering*
 Dissertation: Design and Testing of a Dielectric Barrier Discharge Microthruster for Small Satellite Applications
 Dissertation Chair: S. Roy
- 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 Diseases
 Dissertation Chair: L. M. Sommerfield
 Dissertation Co-chair: K. M. Heilman
- Justin Daniel Starr, Bachelor of Science high distinction, 2009, University of Virginia; Master of Science, 2012, University of Florida
 Major: *Materials Science and Engineering*
 Dissertation: Janus-Type Ceramic Nanomaterials: Anisotropic Building Blocks for the Formation of New Composites
 Dissertation Chair: J. Andrew
- Caroline G. Staub, Bachelor of Science in Environmental Biology, 2005, Curtin University of Technology—Australia; Master of Science, 2011, University of Florida
 Major: *Geography*
 Dissertation: Hydrologic Processes on Small Islands: Linkages Between Climate, Human Activity, and Water Availability in Mauritius
 Dissertation Chair: M. W. Binford
 Dissertation Co-chair: P. R. Waylen
- Corey Neiss Stedwell, Bachelor of Science in Chemistry, 2009, Bachelor of Science in Mathematics, 2009, University of Montevallo—Al
 Major: *Chemistry*
 Dissertation: Infrared Multiple-Photon Dissociation Spectroscopy of Biomolecular Complexes
 Dissertation Chair: N. C. Polfer
- Forrest Robert Stevens, Bachelor of Arts, 1998, University of Chicago; 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. A. Kiker
- Yifei Sun, Bachelor of Engineering, 2009, Huazhong University of Science and Technology—China; Master of Science, 2013, University of Florida
 Major: *Mechanical Engineering*
 Minor: *Mathematics*
 Dissertation: On the Numerical Solution of High Dimensional Fokker-Planck Equations
 Dissertation Chair: M. Kumar
- Sunil Swami, Bachelor of Medicine, 2006, Bachelor of Surgery, 2006, Maharshi Dayanand University at Rhotak—India; Master of Public Health, 2009, East Tennessee State University
 Major: *Epidemiology*
 Dissertation: Anticholinergic Medication Use and Risk of Cognitive Impairment and Dementia in Older Adults With Preclinical Alzheimer's Disease
 Dissertation Chair: T. M. Manini

- Kaitlyn Amy Switalski, Bachelor of Science *summa cum laude*, 2009, Syracuse University—New York; Master of Science, 2011, University of Florida
 Major: *Psychology—Clinical and Health Psychology*
 Dissertation: Cognitive, Behavioral, and Emotional Variables as Predictors of Adaptive Functioning in Childhood
 Dissertation Chair: S. C. Heaton
 Dissertation Co-chair: M. Marsiske
- 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. C. Smith
- Donovan Lamar Thompson, Bachelor of Science in Chemistry, 2010, Georgia Southern University
 Major: *Chemistry*
 Dissertation: Systematic Study of Hydroxy Polymers and Low Density Polyethylene (LDPE) via Acyclic Diene Metathesis (ADMET)
 Dissertation Chair: K. B. Wagener
- Miao Tian, Bachelor of Science, 2008, Hohai University—China; Master of Science, 2010, University of Florida
 Major: *Coastal and Oceanographic Engineering*
 Dissertation: Nonlinear Wave Shoaling in the Nearshore
 Dissertation Chair: A. A. Sheremet
- Wenlan Tian, Bachelor of Agriculture, 2010, Nanjing Forestry University—China
 Major: *Horticultural Sciences—Environmental*
 Dissertation: Functional Genomic Studies of *Jatropha Curcas L.*
 Dissertation Chair: W. A. Vendrame
 Dissertation Co-chair: J. Wang
- Vaibhav Tiwari, Master of Technology in Aerospace Engineering, 2005, Bachelor of Technology in Aerospace Engineering, 2005, Indian Institute of Technology—India; Master of Science in Physics, 2009, University of South Carolina at Columbia
 Major: *Physics*
 Dissertation: Search for Gravitational Waves From Eccentric Binary Black Holes
 Dissertation Chair: S. G. Klimenko
- Andrei Todor, Engineer, 2004, Technical University of Cluj-Napoca—Romania; Master of Science in Computer Science, 2009, State University of New York at Stony Brook
 Major: *Computer Engineering*
 Dissertation: Probabilistic Biological Network and Their Applications
 Dissertation Chair: A. V. Dobra
 Dissertation Co-chair: T. Kahveci
- Nastaran Tofangsazi, Bachelor of Science in Agricultural Engineering-Herb Medicine, 2007, Isfahan University of Technology—Iran; Master of Science in Agricultural Engineering, 2009, University of Tehran—Iran
 Major: *Entomology and Nematology*
 Dissertation: Development of an IPM Program for the Tropical Sod Webworm (*Herpetogramma Phaeopteralis Guenee*)
 Dissertation Chair: S. P. Arthurs
- Kathryn Guenevere Horton Topham, Bachelor of Arts in Psychology, 2004, Smith College—Massachusetts; Master of Science in Applied Behavior Analysis, 2008, Northeastern University—Massachusetts
 Major: *Psychology*
 Dissertation: Some Determinants of Verbal-Nonverbal Correspondence
 Dissertation Chair: B. A. Iwata
- Thu Le Trinh, Bang Tot Nghiep Dai Hoc, 2007, Hanoi University of Technology—Vietnam; Master Recherche BIODEV-MBVD, 2009, de l'Universit e de Provence aix Marseille—France
 Major: *Medical Sciences—Immunology and Microbiology*
 Dissertation: Targeted Therapies for Hepatocellular Carcinoma
 Dissertation Chair: C. Liu

- Joshua Troche, Bachelor of Science *magna cum laude*, 2009, Master of Arts, 2012, University of Florida
Major: *Communication Sciences and Disorders*
Dissertation: Towards a Unified Theory of Semantic Memory: The Semantic Space and Object Relatedness
Dissertation Chair: J. J. Reilly
- Victor Farm-Guoo Tseng, Bachelor of Science in Electrical and Control Engineering, 2005, Master of Science in Control and Electrical Engineering, 2007, National Chiao Tung University–Taiwan
Major: *Electrical and Computer Engineering*
Dissertation: Integrated Passives and Resonant Inductive Coupling as a Displacement Sensing Mechanism for Large Piston/Rotation Micromirrors
Dissertation Chair: H. Xie
- Yu-Shan Tseng, Bachelor of Science, 2007, National Taiwan University
Major: *Medical Sciences–Biochemistry and Molecular Biology*
Dissertation: Characterizing Antigenic Structures of AAV Vectors
Dissertation Chair: M. Agbandje-Mckenna
- Royce LaMar Turner, Bachelor of Science, 1992, Florida State University; Master of Science, 2000, Nova Southeastern University–Florida
Major: *Educational Leadership*
Dissertation: The Effect of Mobility on Graduation and Dropout Rates in a Large Urban School District
Dissertation Chair: B. Oliver
- Ricardo B. Valladares, Bachelor of Science, 2009, University of Florida
Major: *Microbiology and Cell Science*
Dissertation: Hydrogen Peroxide Generation in *Lactobacillus Johnsonii* and Its Role in Bacterial Host Interactions in the Biobreeding Diabetes Prone Rat
Dissertation Chair: C. F. Gonzalez
- Irina Marie Velsko, Bachelor of Arts in Biology, 2010, University of California at Santa Barbara
Major: *Medical Sciences–Immunology and Microbiology*
Dissertation: Periodontal Pathogen-Induced Atherosclerosis in Apoe^{-/-} and Integrin Beta 6^{-/-} Mice
Dissertation Chair: K. N. Lakshmya
- 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
- Chao Wang, Bachelor of Engineering, 2007, Zhengzhou University–China
Major: *Biomedical Engineering*
Dissertation: EEG Studies of Neural Cognitive Processes
Dissertation Chair: M. Ding
- Shengsen Wang, Bachelor of Agriculture, 2005, Master of Agriculture, 2008, Shandong Agricultural University–China
Major: *Soil and Water Science*
Dissertation: Iron (Fe) and Manganese (Mn) Oxide Minerals Modified Biochars: Characterization and Removal of Arsenate and Lead
Dissertation Chair: Y. Li
Dissertation Co-chair: B. Gao
- Roberto Eduardo Weiss, Bachelor of Arts, 2005, University of California at Riverside; Master of Arts in Romance Languages, 2009, University of Memphis–Tennessee
Major: *Romance Languages–Spanish*
Dissertation: Between Triumph and Lament: Malvinas and the Politics of Nationalism in Argentine Literature and Film
Dissertation Chair: M. E. Sorbille
- Jared W. 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

- Angela D. White, Bachelor of Science in Nursing *summa cum laude*, 1998, Master of Science in Nursing, 2003, University of Florida
 Major: *Nursing Sciences*
 Minor: *Community Science (Special Minor)*
 Dissertation: Connections Based on Need and Faith: The Social Networks of the Suburban Homeless Services and Those Who Utilize Them
 Dissertation Chair: J. R. Stacciarini
- Shelton L. Wright Jr., Bachelor of Science in Chemical Engineering, 2002, Bachelor of Science, 2005, University of Florida
 Major: *Agricultural and Biological Engineering*
 Dissertation: A Dynamic Mathematical Model to Predict Fed-Batch Growth and Lipid Productivity in the Diatom *Phaeodactylum Tricomutum* Under a Potentially Multi-Nutrient Limiting Environment
 Dissertation Chair: B. A. Welt
- Sutie Xu, Bachelor of Agriculture, 2007, Shandong Agricultural University—China; Master of Natural Science, 2011, Chinese Academy of Sciences—China
 Major: *Soil and Water Science*
 Dissertation: Ecosystem C Stocks and the Impacts of Land Use Intensification in Subtropical Grazing Land Ecosystems
 Dissertation Chair: M. L. Silveira
 Dissertation Co-chair: K. S. Inglett
- Yi Xu, Bachelor of Engineering, 2009, Xidian University—China
 Major: *Computer Engineering*
 Dissertation: Architecture and Optimization of Cloud-Sensor Systems
 Dissertation Chair: A. A. Helal
- Yuan Xu, Bachelor of Biotechnology, 2008, Nankai University—China; Master of Statistics, 2014, University of Florida
 Major: *Medical Sciences—Immunology and Microbiology*
 Dissertation: Role of Irf5 and Necrosis Factor Alpha in Experimental Lupus Model
 Dissertation Chair: W. H. Reeves
- Luping Yang, Bachelor of Engineering, 2009, Tongji University—China; Master of Science, 2011, Master of Science, 2014, University of Florida
 Major: *Civil Engineering*
 Dissertation: A Comparative Study of Full-Scale and Modeled Hurricane Wind Loads on Residential Structures Based on Non-Gaussian Statistical Models
 Dissertation Chair: K. R. Gurley
- Shengfeng Yang, Bachelor of Engineering, 2008, Master of Engineering, 2010, Huazhong University of Science and Technology—China
 Major: *Mechanical Engineering*
 Dissertation: A Concurrent Atomistic-Continuum Method for Simulating Defects in Ionic Materials
 Dissertation Chair: Y. Chen
- Jin Yao, Bachelor of Engineering, 2007, Nanjing Forestry University—China; Master of Science in Natural Resource Management, 2010, University of Minnesota at Twin Cities; Master of Science, 2012, University of Florida
 Major: *Electrical and Computer Engineering*
 Dissertation: A Machine Learning Framework for Cancer Progression Modeling
 Dissertation Chair: J. Li
 Dissertation Co-chair: V. Mai
- 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
- Kyusuk You, Bachelor of Engineering, 2006, Hongik University—South Korea; Master of Engineering, 2011, Master of Engineering, 2011, University of Florida
 Major: *Agricultural and Biological Engineering*
 Dissertation: Design of a Robotic Vacuum Gripper for Harvesting Citrus Fruit and an Optimal Vacuum Controller Using Theoretical Model of the Vacuum Grasp
 Dissertation Chair: T. F. Burks

- Long Yu, Bachelor of Science, 2004, University of Science and Technology of China; Master of Science, 2010, University of Florida
 Major: *Chemistry*
 Dissertation: Rationalizing and Quantifying the Scrambling Chemistry in Peptide Sequencing: A Computational Perspective
 Dissertation Chair: N. C. Polfer
- Nami Sonia Yu, Bachelor of Science *cum laude*, 2003, Master of Health Science, 2007, University of Florida
 Major: *Rehabilitation Science*
 Dissertation: An Examination of Key Indicators of Well-Being in Aging Individuals With Disabilities: Secondary Analyses of The Health and Retirement Study
 Dissertation Chair: J. L. Pomeranz
- Yuan Yu, Bachelor of Science, 2004, Master of Agriculture, 2006, Northwest A&F University—China
 Major: *Horticultural Sciences*
 Dissertation: Development of Molecular Markers for Mandarin Flavors and Colors
 Dissertation Chair: F. G. Gmitter
 Dissertation Co-chair: H. J. Klee
- 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
- Carlos Jose Zambrano, Bachelor of Arts, 2000, University of Florida; Master of Science in Human Biology, 2005, University of Indianapolis—Indiana
 Major: *Anthropology*
 Dissertation: Relationship of Human Neurocranial Architecture to Sutural Complexity and Fusion
 Dissertation Chair: D. Daegling
- Galo Augusto Zapata-Rios, Bachelor of Biological Science, 1997, The Pontifical Catholic University of Ecuador; Master of Science in Environmental Science, 2001, Ohio University
 Major: *Wildlife Ecology and Conservation*
 Dissertation: Impacts of Domestic Dogs on the Native Mammalian Fauna of the Ecuadorian Andes
 Dissertation Chair: L. C. Branch
- Jianxing Zhang, Bachelor of Science, 2004, China University of Petroleum; Master of Biochemical Engineering, 2007, Chinese Academy of Sciences—China; Master of Statistics, 2012, University of Florida
 Co-Major: *Forest Resources and Conservation*
 Co-Major: *Statistics*
 Dissertation: Consistency of Genotype X Environment Interactions on Yield and Diameter Distribution for Loblolly and Slash Pine and Verification of Breeding Values Estimated Between Single- and Multiple-Tree Plots for Slash Pine
 Dissertation Co-chair: G. F. Peter
 Dissertation Co-chair: N. A. Bliznyuk
- Jing Zhang, Bachelor of Agriculture, 2007, Master of Science in Agriculture, 2010, South China Agricultural University
 Major: *Horticultural Sciences—Environmental*
 Dissertation: Canopy Responses of Warm-Season Turfgrass to Different Mowing Heights, Trinexapac-Ethyl Application, Drought, and Light Intensity
 Dissertation Chair: J. B. Unruh
 Dissertation Co-chair: K. E. Kenworthy
- Long Zhang, Bachelor of Science, 2001, Master of Science, 2004, Peking University—China
 Major: *Statistics*
 Dissertation: On Security Properties of Random Matrix Masking
 Dissertation Chair: S. S. Wu
 Dissertation Co-chair: K. Khare
- Xi Zheng, Bachelor of Engineering, 2005, Tongji University—China; Master of Science, 2011, Master of Science, 2014, University of Florida
 Major: *Civil Engineering*
 Dissertation: An Integrated Infrastructure Engineering Decision-Making Procedure: A Finance-Based Fuzzy Time-Cost-Quality Trade-Off Optimization Model Over the Project Life Cycle
 Dissertation Chair: R. D. Ellis

Ying Yi Zheng, Bachelor of Science in Biological Sciences, 2007, University of Maryland at College Park; Master of Science, 2008, Georgetown University—District of Columbia

Major: *Medical Sciences—Immunology and Microbiology*

Dissertation: Contribution of Marginal Zone B Cells to Autoimmunity in the Murine Model of Lupus B6.Sle1.Sle2.Sle3

Dissertation Chair: L. M. Morel

Zhi Zhou, Bachelor of Engineering, 2006, North University of China; Master of Engineering, 2009, Jiangsu University—China; Master of Science, 2013, University of Florida

Major: *Materials Science and Engineering*

Dissertation: Scalable Synthesis of Ferroelectric Nanowires and Textured Films

Dissertation Chair: H. Sodano

Mingjian Zhu, Bachelor of Science, 2005, China University of Geosciences; Master of Science, 2007, Peking University—China

Major: *Design, Construction, and Planning*

Dissertation: Planning for Sea Level Rise and Land Use Change: Adaptive Conservation Planning and Reserve Design to Conserve Biodiversity in the Matanzas River Basin, Northeast Florida

Dissertation Chair: T. S. Hoctor

Dissertation Co-chair: K. I. Frank

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: Wrist Movement Features Associated With Wheelchair Propulsion Styles and the Relationship to Propulsion Performance

Dissertation Chair: M. D. Tillman

DOCTOR OF EDUCATION

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

Sarah E. 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

Jazmyn Alston Davis, Bachelor of Arts *cum laude*, 2005, University of Florida; Master of Science in Educational Policy, Planning and Analysis, 2007, Florida State University

Major: *Higher Education Administration*

Dissertation: Precollege Counseling in Georgia State Prisons: A Case Study

Dissertation Chair: D. F. Campbell

Kelly R. Essary, Bachelor of Fine Arts in Graphic Design, 2002, Mississippi University For Women; Master of Science in Trade and Industrial Education, 2008, University of South Florida

Major: *Higher Education Administration*

Dissertation: The Relationship Between Organizational Climate and Job Satisfaction as Reported by Academic Deans in Independent Colleges and Universities

Dissertation Chair: D. F. Campbell

Sung Joong Kim, Bachelor of Arts, 2002, Yonsei University—South Korea; Master of Arts in Divinity, 2006, Master of Arts, 2010, Presbyterian College and Theological Seminary—South Korea; Master Degree, 2012, Boston University—Massachusetts

Major: *Educational Leadership*

Dissertation: Pastoral Leadership: The Practical Implication of Educational Leadership

Dissertation Chair: B. Oliver

Dissertation Co-chair: L. B. Eldridge

Jennifer Frances Knutowski, Bachelor of Arts in Education *cum laude*, 2004, Master of Education, 2005, University of Florida

Major: *Curriculum and Instruction*

Dissertation: Orchestrating Support for New Teachers in a Title I Middle School

Dissertation Chair: A. J. Adams

Jamonica Lashaun Rolle, Bachelor of Arts in Communication, 1999, Master of Arts in Communication, 2004, Florida Atlantic University

Major: *Higher Education Administration*

Dissertation: Understanding the Development of Communication Leadership Skills in the Higher Education Context

Dissertation Chair: D. F. Campbell

Jason Allen Schipper, Bachelor of Arts in History *magna cum laude*, 2005, Master of Arts in Teaching, 2006, Coastal Carolina University—South Carolina

Major: *Curriculum and Instruction*

Dissertation: Establishing Inquiry-Based Professional Learning Communities in International Schools

Dissertation Chair: A. J. Adams



DOCTOR OF AUDIOLOGY

Lindsay Elise Benson

Kimberly Diane Hurley
Erica Firman Madiedo

Scott W. Spence

DOCTOR OF PLANT MEDICINE

Carla Jane Calvert Burkle

Tamika A. Garrick

Mayerling Tatiana Sanchez Rodriguez

DOCTOR OF NURSING PRACTICE

Melinda Wheeley Fawbush

Professional Degrees

COLLEGE OF PHARMACY

DEAN Julie A. Johnson

DOCTOR OF PHARMACY

Abera Geleto Abu
Nikki N. Ajieren
Kwame O. Boateng
Silmarie Bosques Rosado
Lion Chohmelian
Brittany Nicole Churchill
George Damian
Anu Dominic
Iziengbe Annette Enababor
Huguette Exantus
Debra C. Fitzpatrick-Stumpff
Cheryl Poss Fry

Melissa Gundersen Gallegos
Dean J. Garcia
Kenneth Scott Ginsburg
Ketty Gracia
Emmerlyn E. Iberedem
John Jacob
Ivana Jankovic
Sonia Joseph
Vicki M. Joshua
Alethia N. Medley
Michele Pionk Messing
Jodi Morgan

Sunny U. Patel
Jill A. Perez
Ngoc T. B. Pham
Janice Priar
Thomas Christopher Reed
Jean A. Roman
Amy M. Sieber
Carmela M. Silvestri
Jodi Carla Spann
Charlotte D. Strecker
Chidimma E. Umeadi
Irlando Talusan Villanueva



FREDRIC G. LEVIN COLLEGE OF LAW – PRESENTED AT SEPARATE CEREMONY

INTERIM DEAN George L. Dawson

JURIS DOCTOR

Ryan S. Drum
Dana E. Hines

Gentry Elizabeth Mander
Michael Martin Neal
Chelsey Rae Pankratz

Andrew Mifflin Starling
Jamie Marie Whiteway



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 2014); No. 3 in Kiplinger's "Best Values in Public Colleges" (2014); 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 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.

UF

2014 FALL
COMMENCEMENT



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 February 2015.

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 crated 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



UF

Alma Mater

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

Milton Yeats