

# Commencement

**UF** | UNIVERSITY of  
**FLORIDA**  
*The Foundation for The Gator Nation*



COMMENCEMENT  
SUMMER 2013



## Dr. J. Bernard Machen

Bernie Machen has served as the president of the University of Florida since January of 2004. During that time, he has strengthened the university's three core missions of teaching, research and service – while developing a fourth mission of economic development.

Thanks to his leadership, the university has improved its standing in the national higher education rankings and increased its positive influence on Florida's economy and quality of life. Today, despite the loss of about third of its state allocation to annual budget cuts, UF is more comprehensive and dynamic than at any time in its 159-year history.

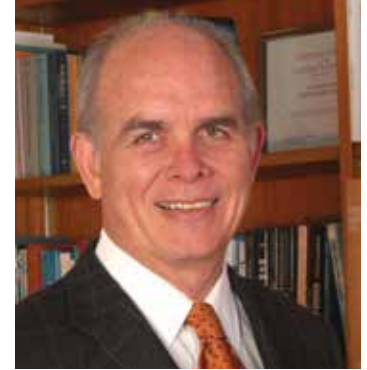
Milestones of President Machen's tenure include:

- Growth in annual research funding from \$470 million in 2003-04 to \$644 million in the current fiscal year.
- More than 2.8 million square feet in new construction on campus, including nearly 600,000 square feet of new research space.
- Completion of UF's \$1.7 billion capital campaign.
- The 40-acre public private partnership known as Innovation Square and the Innovation Hub technology incubator.
- UF's first major medical research facility outside Gainesville, the UF Research and Academic Center at Lake Nona in Orlando.
- The Machen Florida Opportunity Scholars program, enabling the enrollment of more than 2,600 low-income students who are the first in the families to attend college.
- The spring-summer Innovation Academy for entrepreneurially minded undergraduates.

Dr. Machen also reorganized the UF Health Science Center, strengthening the ties between UF and the Shands family of hospitals. He emphasized clinical research through the Clinical and Translational Science Institute. And, the Shands Cancer Hospital was completed under his watch.

Elsewhere at the university, Dr. Machen created the Bob Graham Center for Public Service and the Claude D. Pepper Older Americans Independence Center. His administration has been marked by a strong commitment to environmental causes, including a university-wide sustainability institute that is considered a model in public higher education. The UF Water Institute was created during his time at UF, and a UF nature preserve was designated as one of the first National Science Foundation-sponsored National Ecological Observatory Network sites.

Prior to his arrival at UF, Dr. Machen served for six years as president of the University of Utah, where he



is credited with expanding its health sciences program, stabilizing the university's finances and bolstering diversity.

From 1995 to 1997, President Machen 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 has held several prominent positions in national higher education leadership. Since 2005, he has served as a member of the National Security Higher Education Advisory Board. He chaired the Board of Directors of the National Campus Compact from 2002-2004 and served as a member of the board beginning in 1998. Additionally, beginning in 2010, he served as president of the Executive Committee of the Southeastern Conference and chair of the Southeastern Conference Academic Consortium.

In 1987, Dr. Machen was president of the American Association of Dental Schools. From 1992 to 1995, he was a member of the National Academy of Science's Institute of Medicine Committee on Educating Dentists for the Future. He has a past appointment as chief of the Department of Extension Service at the U.S. Army Institute of Dental Research.

A native of Greenwood, Mississippi, Dr. 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 of science degree in pediatric dentistry and doctorate in educational psychology from the University of Iowa.

President Machen and his wife, Chris, a former neonatal intensive care nurse, live in Gainesville. They have two sons: Lee, an engineer at Intel in Portland; Michael, an attorney in Chicago; a daughter, Maggie, a veterinarian and resident in small animal cardiology at the University of Pennsylvania; and four grandchildren.

## *Greetings from the President*

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*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 2013, and to your family and friends.

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

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

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

Good luck and best wishes!

A handwritten signature in cursive script that reads "J. Bernard Machen".

J. Bernard Machen

# University of Florida Leadership

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## UNIVERSITY OF FLORIDA BOARD OF TRUSTEES

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**Carolyn K. Roberts**  
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**Juliet Murphy Roulhac**  
**Steven M. Scott**  
**David M. Thomas**

## PRESIDENT AND VICE PRESIDENTS OF THE UNIVERSITY

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

**Joseph Glover, Ph.D.**  
*Provost and Senior Vice President - Academic Affairs*

**David S. Guzick, M.D.**  
*Senior Vice President - Health Affairs*

**Jack Payne, Ph.D.**  
*Senior Vice President - Agriculture and Natural Resources*

**Winfred M. Phillips, D.Sc.**  
*Senior Vice President and Chief Operating Officer - Administration*

**Jane Adams, B.S.**  
*Vice President - University Relations*

**Elias G. Eldayrie, M.B.A.**  
*Vice President and Chief Information Officer - Information Technology*

**Zina Evans, Ph.D.**  
*Vice President - Enrollment Management*

**Matthew Fajack, B.S.**  
*Vice President and Chief Financial Officer - University Bursar*

**Paula Varnes Fussell, M.B.A.**  
*Vice President - Human Resource Services*

**Jamie Lewis Keith, J.D.**  
*Vice President - General Counsel*

**David Kratzer, M.S.**  
*Vice President - Student Affairs*

**Thomas J. Mitchell, M.S.**  
*Vice President - Development and Alumni Affairs*

**David Norton, Ph.D.**  
*Vice President - Research*

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

## DEANS OF THE UNIVERSITY

**Teresa C. Balsler, 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 Fine Arts*

**Henry T. Frierson, Ph.D.**  
*Graduate School*

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

**Nick Place, Ph.D.**  
*IFAS Extension*

**John Hayes, Ph.D.**  
*IFAS Research*

**David J. Sammons, Ph.D.**  
*International Center*

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

**Robert Jerry, J.D.**  
*Fredric G. Levin College of Law*

**Paul J. D'Anieri, Ph.D.**  
*College of Liberal Arts and Sciences*

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

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

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

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

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

**Judith C. Russell, M.S.**  
*University Libraries*

**Jen Day Shaw, Ph.D.**  
*Dean of Students*



# Commencement Agenda – August 9, 2013, 4:00 p.m.

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Presiding .....	J. Bernard Machen <i>President</i>
Processional.....	Gainesville Brass Quintet
National Anthem.....	Ronald Burrichter Gainesville Brass Quintet
Welcome and Introductions.....	J. Bernard Machen
Presenting Candidates for Doctoral Degrees .....	David Mazyck <i>Interim Associate Dean, Graduate School</i>
Conferring of Doctoral Degrees .....	Charles Edwards <i>Member, UF Board of Trustees</i>
Alma Mater .....	Ronald Burrichter Gainesville Brass Quintet
Recessional.....	Gainesville Brass Quintet
Postlude .....	Gainesville Brass Quintet



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Additional copies of this commencement program are available while supplies last at the University of Florida Bookstore for a \$1 donation to the Machen Florida Opportunity Scholars program, which helps fund a UF education for low-income students who are first in the family to attend college. The bookstore is located in the UF Bookstore and Welcome Center on Museum Road and is open daily. For hours, please see the website at [www.bsd.ufl.edu/bookstore](http://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](http://www.digitalworlds.ufl.edu).

# GRADUATE SCHOOL

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

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## DOCTOR OF PHILOSOPHY

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Yaakov Jack Abudaram, Bachelor of Science in Mechanical Engineering, 2006, Bachelor of Science in Aerospace Engineering, 2006, Master of Science, 2009, University of Florida

Major: *Aerospace Engineering*

Dissertation: Silicone Rubber Membrane Micro Air Vehicle Wings: Controlling Pre-Tension, a Novel Method to Attach Membranes, and Experimental Characterization

Dissertation Chair: P. Ifju

Nimit Agarwal, Master of Science in Physics, 2008, Indian Institute of Technology at Kanpur—India

Major: *Physics*

Dissertation: Helium Segregation and Baryon Acoustic Oscillations

Dissertation Chair: J. N. Fry

Sevcan Agdas, Bachelor of Arts, 2006, Hacettepe University—Turkey; Master of Science, 2010, University of Florida

Major: *Civil Engineering*

Dissertation: Effects of Problem Based Learning on Development of Critical Thinking Skills and Dispositions in Engineering

Dissertation Chair: R. D. Ellis

Mayank Aggarwal, Bachelor of Technology, 2008, Jaypee Institute of Information Technology—India; Master of Science, 2009, Claflin University—South Carolina

Major: *Medical Sciences—Biochemistry and Molecular Biology*

Dissertation: Insights Into Human Carbonic Anhydrase Inhibitor Design

Dissertation Chair: R. McKenna

Dissertation Co-chair: D. N. Silverman

Divya Agrawal, Bachelor of Engineering, 2005, Visveswaraiah Technological University—India; Master of Science, 2008, University of Florida

Major: *Electrical and Computer Engineering*

Dissertation: Approximating Ambient D-Region Electron Densities Using Dual-Beam HF Heating Experiments at the High-Frequency Active Auroral Research Program (HAARP)

Dissertation Chair: R. C. Moore

Ahmed Abed Ali Al-Jumaili, Bachelor of Science in Agriculture, 1992, Master of Science in Agriculture, 2000, University of Baghdad—Iraq; Master of Engineering, 2012, University of Florida

Major: *Agricultural and Biological Engineering*

Dissertation: Variation of Spray Deposition Within Citrus Groves Due to Wind Conditions

Dissertation Chair: M. Salyani

Kyle M. Allen, Bachelor of Science in Mechanical Engineering *cum laude*, 2009, Master of Engineering, 2011, University of Florida

Major: *Mechanical Engineering*

Dissertation: Synthesis and Analysis of Reactive Materials for Solar Thermochemical Water and Carbon Dioxide Splitting

Dissertation Chair: J. F. Klausner

Dissertation Co-chair: R. Mei

Abbin Antony, Bachelor of Technology in Chemical Engineering, 2007, University of Kerala—India; Master of Science, 2009, University of Florida

Major: *Chemical Engineering*

Dissertation: A First Principle Study of Chemical Activity on PdO(101) Thin Film Surface

Dissertation Chair: J. F. Weaver

Akshay Kumar Anugu, Bachelor of Technology, 2006, Osmania University—India; Master of Science, 2009, Alabama A&M University

Major: *Food Science and Human Nutrition*

Dissertation: Microbial Inactivation and Allergen Mitigation of Food Matrix by Pulsed Ultraviolet Light

Dissertation Chair: W. Yang

- Ali Ashrafi, Bachelor of Atomic Molecular Physics, 2008, University of Tehran—Iran; Master of Science, 2012, University of Florida  
Major: *Physics*  
Dissertation: Electron-Electron Interactions in Two-Dimensional Spin-Orbit Coupled Systems  
Dissertation Chair: D. Maslov
- Jihye Bae, Bachelor of Engineering, 2007, Kyungpook National University—South Korea; Master of Science, 2009, University of Florida  
Major: *Electrical and Computer Engineering*  
Dissertation: Kernel Temporal Differences for Reinforcement Learning with Applications to Brain Machine Interfaces  
Dissertation Chair: J. C. Principe
- Jean-Paul Baldwin, Baccalaureus Scientiae honores, 2007, Nelson Mandela Metropolitan University—South Africa; Master of Statistics, 2009, University of Florida  
Major: *Food and Resource Economics*  
Dissertation: Three Essays on the Economics of the South African Citrus Industry  
Dissertation Chair: T. H. Spreen
- Christopher Lee Ballengee, Bachelor of Arts *magna cum laude*, 2003, Lenoir-Rhyne College—North Carolina; Master of Music, 2005, Bowling Green State University—Ohio  
Major: *Music*  
Dissertation: Tassa Drumming and Indo-Caribbean Nationalism in Trinidad and Tobago  
Dissertation Chair: L. N. Crook
- David L. Barber, Bachelor of Science in Agriculture, 1989, Master of Science, 1997, University of Florida  
Major: *Food and Resource Economics*  
Dissertation: Using the National Health and Nutrition Examination Study (NHANES) Survey Data to Examine the Relationship Between 100% Fruit Juice and the U.S. Obesity Problem  
Dissertation Chair: T. H. Spreen
- Lauren Tripp Barlis, Bachelor of Science in Journalism, 2002, Master of Education, 2005, University of Florida  
Major: *Curriculum and Instruction*  
Dissertation: I Knew the Right People: A Grounded Theory Study of the Resilience of First-Generation Black Male College Students  
Dissertation Chair: D. D. Ross
- Robert Tarkington Barnes, Bachelor of Arts in Psychology, 2000, Master of Arts, 2003, California State University at Chico  
Major: *Rehabilitation Science*  
Dissertation: Psychological Distress in Patients with Orthopaedic Trauma Injuries  
Dissertation Chair: M. Horodyski
- Tia Navelene Barnes, Bachelor of Science *cum laude*, 2007, Bachelor of Science *cum laude*, 2007, Master of Education, 2009, University of Florida  
Major: *Special Education*  
Minor: *Research and Evaluation Methodology*  
Dissertation: An Examination of the Influence of Student Characteristics on the Effectiveness of the Tools for Getting-Along Curriculum  
Dissertation Chair: S. W. Smith
- Samantha Ryan Barnsfather, Bachelor of Arts, 2001, Campbellsville University—Kentucky; Master of Music, 2004, Belmont University—Tennessee  
Major: *Music*  
Dissertation: Nationalism and Eclecticism in the Selected Songs of Ronald Stevenson (b.1928)  
Dissertation Chair: D. Z. Kushner
- Fatmata Barrie, Bachelor of Science in Mechanical Engineering, 2007, Carnegie Mellon University—Pennsylvania; Master of Science in Mechanical Engineering, 2009, Texas A&M University at College Station; Master of Science, 2011, University of Florida  
Major: *Materials Science and Engineering*  
Dissertation: Shape Memory Alloy Reinforcement Design for Self-Healing Metal Matrix Composites  
Dissertation Chair: M. V. Manuel
- Gracie Allen Beavers, Bachelor of Science in Psychology, 2005, Georgia State University; Master of Science, 2008, Florida Institute of Technology  
Major: *Psychology*  
Dissertation: Analysis of Response-Response Relations: Response Class, Chain, and Precurrent Sequences  
Dissertation Chair: B. Iwata



- Heather L. Bell, Bachelor of Arts, 1997, University of Victoria—Canada; Master of Arts, 2008, Dalhousie University—Canada  
Major: *Health and Human Performance*  
Dissertation: Paddling Together: Women's Team Sport Experiences and Relationships  
Dissertation Chair: H. J. Gibson
- Lokendrakumar Chainroop Bengani, Bachelor of Chemical Engineering, 2008, University of Mumbai—India  
Major: *Chemical Engineering*  
Dissertation: Fundamentals and Applications of Macromolecular Transport in Hydrogel Contact Lenses  
Dissertation Chair: A. Chauhan
- Yelyzaveta Berdychevsky Kustanovich, Bachelor of Arts in Hotel and Tourism Management, 2003, Master of Business Administration, 2009, Ben-Gurion University of the Negev—Israel  
Major: *Health and Human Performance*  
Minor: *Research and Evaluation Methodology*  
Minor: *Sociology*  
Dissertation: Women's Sexual Risk-Taking in Tourism  
Dissertation Chair: H. J. Gibson
- Kathleen A. Berger, Bachelor of Science in Physical Therapy, 1984, Northwestern University—Illinois; Master of Science, 2010, University of Florida  
Major: *Rehabilitation Science*  
Dissertation: Analysis of a Measure in Functional Cognition for Persons with Stroke  
Dissertation Chair: C. A. Velozo
- Jennifer L. Bernatis, Bachelor of Science in Physical Education, 1994, Master of Science in Health Physical Education, 1996, Fort Hays State University—Kansas; Master of Science in Biological Sciences, 2005, University of Nevada at Las Vegas  
Major: *Interdisciplinary Ecology*  
Dissertation: Morphology, Ecophysiology, and Impacts of Exotic *Pomacea* in Florida  
Dissertation Chair: S. A. Johnson
- Kendra M. Blaker, Bachelor of Science in Chemistry, 2003, Berry College—Georgia; Master of Arts in Theology, 2007, Gordon-Conwell Theological Seminary—Massachusetts; Master of Science, 2010, University of Florida  
Major: *Horticultural Science—Horticultural Sciences*  
Dissertation: Comparison of Crisp and Standard Fruit Texture in Southern Highbush Blueberry Using Instrumental and Sensory Panel Techniques  
Dissertation Chair: J. Olmstead
- Dustin Kent Blanton, Bachelor of Science *summa cum laude*, 2006, University of Florida  
Major: *Genetics and Genomics*  
Dissertation: Genetic and Immunologic Biomarkers in Type 1 Diabetes  
Dissertation Chair: M. A. Atkinson  
Dissertation Co-chair: D. A. Schatz
- Dimitri V. Blondel, Bachelor of Arts in Biology, 1996, Duke University—North Carolina; Master of Science, 2006, University of Florida  
Major: *Zoology*  
Dissertation: Stress, Corticosterone, and the Social Behavior of the Prairie Vole *Microtus Ochrogaster*: An Integrative Approach  
Dissertation Chair: S. M. Phelps  
Dissertation Co-chair: C. M. St. Mary
- Jennifer J. Braddock, Bachelor of Arts in Communication Studies *summa cum laude*, 2004, Western Kentucky University; Master of Education, 2009, Georgia Southern University  
Major: *Mass Communication*  
Dissertation: Achieving "Effective" Development: An Examination of Intercultural Communication Competence From the Development Practitioner's Perspective  
Dissertation Chair: J. Molleda
- Kara A. Bridgman Sweeney, Bachelor of Arts in Anthropology, 1995, University of South Carolina at Columbia; Master of Arts in Archaeology, 1999, University College Cork—Ireland  
Major: *Anthropology*  
Dissertation: A Complex Web of History and Artifact Types in the Early Archaic Southeast  
Dissertation Chair: K. E. Sassaman
- Russell David Brown, Bachelor of Music *magna cum laude*, 1998, Valdosta State University—Georgia; Master of Music, 2000, Ohio State University; Master of Music, 2004, University of Florida  
Major: *Music*  
Dissertation: The Use of Pitch Scheme Commonalities in "Circus Maximus": An Analysis of John Corigliano's Symphony No. 3  
Dissertation Chair: J. P. Sain

- Dustin Leroy Burgess, Bachelor of Arts in Music, 1996, Appalachian State University—North Carolina; Master of Arts in Music Education, 2009, VanderCook College of Music—Illinois  
Major: *Music Education*  
Dissertation: The Effects of Time Management and Time Perception on Teacher Usage of Comprehensive Musicianship Through Performance  
Dissertation Chair: R. L. Robinson  
Dissertation Co-chair: D. A. Waybright
- Michael J. Butler, Bachelor of Science, 2008, Bachelor of Arts, 2008, Master of Science, 2010, University of Florida  
Major: *Astronomy*  
Dissertation: Probing The Initial Conditions of Massive Star and Star Cluster Formation: A Combined Approach of Mid-Infrared Extinction Mapping and Numerical Simulation  
Dissertation Chair: J. Tan
- Kenycia Y. Byrd, Bachelor of Science in Psychology, 2006, Florida A&M University; Master of Science in Mental Health Counseling, 2009, University of Massachusetts at Boston  
Major: *Mental Health Counseling*  
Dissertation: The Relationship Between Media Influence and Identity Development Among Low-Income African-American and White Adolescent Girls  
Dissertation Chair: C. West-Olatunji
- Jennifer Lauren Cabrelli Amaro, Bachelor of Arts in Spanish, 2001, Michigan State University; Master of Arts in Spanish, 2004, Middlebury College—Vermont  
Major: *Romance Languages—Spanish*  
Dissertation: The Phonological Permeability Hypothesis: Measuring Regressive L3 Influence to Test L1 and L2 Phonological Representations  
Dissertation Chair: J. Rothman
- Dawn Renee Calibeo, Bachelor of Science, 1999, University of Florida; Master of Science in Entomology, 2002, North Carolina State University  
Major: *Entomology and Nematology*  
Dissertation: An Integrated Pest Management Strategy for *Nylanderia Fulva* in Florida  
Dissertation Chair: F. M. Oi
- Kristine L. Callis-Duehl, Bachelor of Science in Botany, 2002, Master of Science in Botany, 2005, North Carolina State University  
Major: *Botany*  
Dissertation: Herbivory Rates Across a Latitudinal Gradient Using Silica as a Model Physical Plant Defense  
Dissertation Chair: D. J. Levey
- Michael B. Cannell, Bachelor of Arts in Political Science, 2005, University of North Texas; Master of Public Health, 2009, University of Louisville—Kentucky  
Major: *Epidemiology*  
Dissertation: Frequency and Effects of Physical, Verbal, and Sexual Abuse in Older Adults  
Dissertation Chair: T. M. Manini
- Justin L. Cantley, Bachelor of Science in Physics and Astronomy, 2006, Haverford College—Pennsylvania; Master of Science in Physics, 2010, Central Michigan University  
Major: *Biomedical Engineering*  
Dissertation: Computational Assessment of Absorbed Dose to Tissues of the Eye for Ocular Radiotherapy  
Dissertation Chair: W. E. Bolch
- Tana Bleser Carson, Bachelor of Science *magna cum laude*, 2007, Master of Science, 2010, Master of Occupational Therapy, 2011, University of Florida  
Major: *Psychology*  
Dissertation: Vestibulo-Ocular Reflex Function in Autism Spectrum Disorders  
Dissertation Chair: M. H. Lewis
- Gonzalo Fernando Casanova Garcia, Titulo de Ingeniero Mecanico, 2003, Titulo de Magister en Ingenieria, 2006, Universidad del Valle—Colombia  
Major: *Mechanical Engineering*  
Dissertation: Evaluation of the Effect of Needle Insertion Speed in Convection-Enhanced Delivery Into the Rat Brain  
Dissertation Chair: M. Sarntinoranont
- Rachel Noel McKim Cassidy, Bachelor of Science *summa cum laude*, 2008, Bachelor of Arts *cum laude*, 2008, Master of Science, 2010, University of Florida  
Major: *Psychology*  
Dissertation: Quantifying Nicotine's Value Enhancement Effect Using a Behavioral Economic Approach  
Dissertation Chair: J. Dallery

- T. Trevor Caughlin, Bachelor of Arts, 2007, New College of Florida  
 Major: *Zoology*  
 Dissertation: Seeds Move But Trees Stand Still: Population Dynamics of Tropical Trees  
 Dissertation Chair: D. J. Levey
- Pamela K. Chalfant, Bachelor of Science, 1982, Ball State University—Indiana; Master of Reading Education, 2005, University of Central Florida  
 Major: *Special Education*  
 Dissertation: Teacher Professional Development and Storybook Reading: Supporting Oral Language Development  
 Dissertation Chair: H. B. Lane
- Darío J. Chávez Velásquez, Titulo de Ingeniero Agronomo, 2005, Escuela Agrícola Panamericana—Honduras; Master of Science, 2008, University of Florida  
 Major: *Horticultural Science—Horticultural Sciences*  
 Dissertation: The North American Plums (*Prunus Spp.*) and Their Use as Germplasm Resources: From Population to Phylogenetic Studies, a Breeder Perspective  
 Dissertation Chair: J. Chaparro
- Tao Chen, Bachelor of Science, 2008, Wuhan University—China  
 Major: *Chemistry*  
 Dissertation: Functional Nucleic Acid-Incorporated Nanomaterials for Bioanalytical and Biomedical Applications  
 Dissertation Chair: W. Tan
- Zhuo Chen, Bachelor of Science, 2006, Fudan University—China; Master of Science, 2007, University of Florida  
 Major: *Chemistry*  
 Dissertation: Light Harvesting Polymers: Energy Transfer and Materials Applications  
 Dissertation Chair: K. S. Schanze
- Wei Cheng, Bachelor of Engineering, 2004, Master of Engineering, 2007, East China University  
 Major: *Chemical Engineering*  
 Dissertation: Study of Platinum-Family Catalysts in Direct Methanol Fuel Cell and Parahydrogen-Induced Hyperpolarization Applications  
 Dissertation Chair: H. E. Hagelin-Weaver
- Xiaoyu Cheng, Bachelor of Engineering, 2006, Hebei University of Science and Technology—China; Master of Science in Electrical Engineering, 2008, State University of New York at Buffalo  
 Major: *Electrical and Computer Engineering*  
 Dissertation: Wireless Biomedical Telemetry Systems Based on Flexible Metamaterial Circuits and Advanced Rf Architectures  
 Dissertation Chair: Y. Yoon
- Yu-tseh Chi, Bachelor of Science, 1998, National Taiwan University; Master of Science in Food, Agricultural and Biological Engineering, 2004, Ohio State University; Master of Science, 2013, University of Florida  
 Major: *Computer Engineering*  
 Dissertation: Block, Group, and Affine Regularized Sparse Coding and Dictionary Learning  
 Dissertation Chair: J. Ho
- Joon Hao Chuah, Bachelor of Arts, 2006, University of Texas at Austin; Master of Science, 2012, University of Florida  
 Major: *Computer Engineering*  
 Dissertation: Identifying and Exploring Factors Affecting Embodied Conversational Agent Social Presence for Interpersonal Skills Training  
 Dissertation Chair: B. C. Lok
- Jinsang Chung, Bachelor of Science in Civil Engineering, 1994, Hanyang University—South Korea; Master of Science, 1996, Korea Advanced Institute of Science and Technology—South Korea  
 Major: *Mechanical Engineering*  
 Dissertation: Stress-Resultant Based Elasto-Plastic Analysis of Structures  
 Dissertation Chair: N. Kim
- Diana Tracy Cohen, Bachelor of Arts *magna cum laude*, 2002, Master of Arts, 2003, University of Connecticut; Master of Arts, 2005, Doctor of Philosophy, 2007, Master of Arts, 2008, University of Florida  
 Major: *Sociology*  
 Dissertation: Iron Dads: Complexities of Endurance Sports for Managing Work and Family Identities  
 Dissertation Chair: W. Marsiglio
- Matthew Lawrence Cohen, Bachelor of Arts in Psychology *magna cum laude*, 2007, University of Delaware; Master of Science, 2009, University of Florida  
 Major: *Psychology—Clinical and Health Psychology*  
 Dissertation: Endogenously and Exogenously Evoked Intentional Movement in Aging and Parkinson's Disease  
 Dissertation Chair: C. Price  
 Dissertation Co-chair: K. M. Heilman

- Megan J. Cohen, Bachelor of Arts, 2006, Miami University—Ohio; Master of Science, 2010, University of Florida  
 Major: *Psychology—Clinical and Health Psychology*  
 Dissertation: The Relationships Among the Built Environment, Health Behaviors, Quality of Life, and Weight Status in Overweight and Obese Rural Children  
 Dissertation Chair: D. M. Janicke
- Luis Manuel Colon-Perez, Bachelor of Science, 2007, University of Puerto Rico at Rio Piedras  
 Major: *Physics*  
 Dissertation: Weighted Networks and the Topology of Brain Networks  
 Dissertation Chair: T. H. Mareci
- Brian Eduardo Damit, Bachelor of Science, 2008, Florida State University  
 Major: *Environmental Engineering Sciences*  
 Dissertation: Control of Bioaerosols and Volatile Organic Compounds with Microwave and Infrared Radiation-Based Technologies  
 Dissertation Chair: C. Wu
- Shawn G. Daniels, Bachelor of Arts in Greek *summa cum laude*, 2008, Bachelor of Arts in Latin, 2008, Wright State University—Ohio  
 Major: *Classical Studies*  
 Dissertation: Satire in the Historia Augusta  
 Dissertation Chair: V. E. Pagan-Wolpert
- Shibasish Dasgupta, Master of Science, 2004, Master of Philosophy, 2006, University of Pune—India  
 Major: *Statistics*  
 Dissertation: High Dimensional Inference and Variable Selection  
 Dissertation Chair: M. Ghosh  
 Dissertation Co-chair: K. Khare
- Katherine Y. Deliz Quinonez, Bachelor of Science in Biology, 2001, Master of Science in Biology, 2005, University of Puerto Rico at Mayaguez  
 Major: *Environmental Engineering Sciences*  
 Dissertation: Fate and Environmental Implications of Mercury in Contaminated Soils Treated with Aluminum Based Drinking Water Treatment Residuals (Al-Wtr)  
 Dissertation Chair: J. Bonzongo
- Maria Angela Diaz, Bachelor of Arts in History *cum laude*, 2007, University of North Carolina at Greensboro; Master of Arts, 2009, University of Florida  
 Major: *History*  
 Dissertation: Rising Tide of Empire: Gulf Coast Culture and Society During the Era of Expansion, 1845-1860  
 Dissertation Chair: W. A. Link  
 Dissertation Co-chair: J. M. Gallman
- Tu Anh Do, Engineer, 2002, Master of Science 2006, University of Transport and Communications—Vietnam; Master of Science, 2010, University of Florida  
 Major: *Civil Engineering*  
 Dissertation: Finite Element Modeling of Behavior of Mass Concrete Placed on Soil  
 Dissertation Chair: M. Tia
- Angela Denise Dobbins, Bachelor of Arts in Psychology, 2005, Master of Education, 2007, Vanderbilt University—Tennessee; Master of Education, 2012, University of Florida  
 Major: *School Psychology*  
 Minor: *Research and Evaluation Methodology*  
 Dissertation: Progress Monitoring in Middle School Mathematics: Three Curriculum-Based Measures of Mathematics Proficiency  
 Dissertation Chair: N. L. Waldron
- Justin Jeffrey Dodson, Bachelor of Science in Chemical Engineering, 2007, University of South Florida; Master of Science, 2008, University of Florida  
 Major: *Chemical Engineering*  
 Dissertation: Catalyst Development on Nanoparticle Oxide Supports for the Water Splitting and Oxidative Coupling of 4-Methylpyridine Reactions  
 Dissertation Chair: H. E. Hagelin-Weaver
- Xiaoling Dong, Bachelor of Natural Science, 2006, Master of Engineering, 2010, University of Science and Technology of China  
 Major: *Soil and Water Science*  
 Dissertation: Characterization of Biochar and Coal Combustion Residues and Mechanisms of Biochar-Induced Immobilization and Transformation of Soluble Heavy Metals  
 Dissertation Chair: L. Q. Ma  
 Dissertation Co-chair: Y. Li

- Benjamin G. Doughan, Bachelor of Arts, 2004, Master of Science, 2008, University of Northern Iowa  
 Major: *Plant Pathology*  
 Dissertation: Characterization of the Mat Locus Genes in the Fungal Plant Pathogen *Sclerotinia Sclerotiorum* (Lib.) De Bary  
 Dissertation Chair: J. A. Rollins
- Alison Campbell Dunn, Bachelor of Science in Mechanical Engineering *magna cum laude*, 2004, Master of Science, 2006, University of Florida  
 Major: *Mechanical Engineering*  
 Dissertation: Soft Hydrated Surfaces Engineered for Lubricity  
 Dissertation Chair: W. G. Sawyer  
 Dissertation Co-chair: M. Sarntinoranont
- Timothy Zane Elmore, Bachelor of Science in Mechanical Engineering, 2008, Bachelor of Science in Aerospace Engineering, 2008, University of Florida  
 Major: *Mechanical Engineering*  
 Dissertation: Design, Characterization, and Controls for a Surgeon-Interactive Robotic Imaging System  
 Dissertation Chair: S. A. Banks  
 Dissertation Co-chair: B. J. Fregly
- Lawrence Michael Eppard, Bachelor of Arts in History, 2006, George Mason University—Virginia; Master of Science in Sociology, 2008, Virginia Polytechnic Institute and State University  
 Major: *Sociology*  
 Dissertation: Compassionate Individualism: Symbolic Struggles in an American Helping Profession  
 Dissertation Chair: C. L. Shehan
- Koun Eum, Bachelor of Education, 2001, Bachelor of Arts, 2001, Sogang University—South Korea; Master of Arts in Clinical Psychology, 2007, Murray State University—Kentucky  
 Major: *Counseling Psychology*  
 Dissertation: The Roles of Cognitions and Metacognition in Predicting Obsessive Compulsive Symptoms  
 Dissertation Chair: K. G. Rice  
 Dissertation Co-chair: G. J. Neimeyer
- Azamosadat Feizmohammadpour, Bachelor of English Language and Translation, 1993, Allameh Tabatabaei University—Iran; Master Degree, 1999, Tarbiat Modares University—Iran  
 Major: *Linguistics*  
 Dissertation: Optional Subject-Verb Agreement in Persian  
 Dissertation Chair: H. Cowles
- Michael B. Fenn Jr., Bachelor of Science, 2007, Master of Science, 2011, University of Florida  
 Major: *Biomedical Engineering*  
 Dissertation: A Raman Spectroscopic-Based Platform Using Advanced Data Mining Methods for In-Situ Cancer Cell Classification and Characterization  
 Dissertation Chair: P. M. Pardalos
- Jennifer Joy Fiers, Bachelor of Arts, 1996, University of Virginia; Master of Arts, 2007, University of Florida  
 Major: *Anthropology*  
 Dissertation: Paradoxes of Power and Performance Enhancement in Competitive Youth Sport (Tennis)  
 Dissertation Chair: B. H. Chalfin
- Charles Robert Fisher, Bachelor of Science in Materials Engineering *magna cum laude*, 2009, Iowa State University; Master of Science, 2011, University of Florida  
 Major: *Materials Science and Engineering*  
 Dissertation: Design of Liquid-Assisted Self-Healing Metal-Matrix Composites  
 Dissertation Chair: M. V. Manuel
- Kyle S. Fisher, Bachelor of Science in Civil Engineering, 2003, Purdue University—Indiana; Master of Engineering, 2008, University of Florida  
 Major: *Civil Engineering*  
 Dissertation: A Multi-Criteria Decision Making Model for Public Private Partnership Viability in the U.S.  
 Dissertation Chair: R. D. Ellis
- Robert Paul Flemming, Bachelor of Science in Business, 1998, State University of New York at Plattsburgh; Master of Business Administration, 2005, Master of Science in Health Services Administration, 2005, State University of New York Institute of Technology at Utica  
 Major: *Health Services Research*  
 Dissertation: Healthcare Access, Utilization, and Enrollment Patterns of United States Veterans  
 Dissertation Chair: R. P. Duncan  
 Dissertation Co-chair: D. C. Cowper



- Delphia J. Flenar, Bachelor of Arts in Psychology *cum laude*, 2008, Butler University—Indiana; Master of Science, 2010, University of Florida  
 Major: *Counseling Psychology*  
 Dissertation: Sexual Minority Stress, Coping, and Physical Health Indicators  
 Dissertation Chair: C. M. Tucker
- Cornell Edison Foo, Bachelor of Science in Business Administration, 2001, Brewton-Parker College—Georgia; Master of Medicine, 2008, University of Georgia  
 Major: *Health and Human Performance*  
 Dissertation: An Examination of International Student Athletes Traveling to the U.S. to Play College Sport  
 Dissertation Chair: M. B. Sagas
- Camila Clemente Françolin, Bachelor of Science in Mechanical Engineering *cum laude*, 2007, Bachelor of Science in Aerospace Engineering *cum laude*, 2007, Master of Science, 2010, University of Florida  
 Major: *Aerospace Engineering*  
 Dissertation: Costate Estimation in Optimal Control Problems Using Orthogonal Collocation at Gaussian Quadrature Points  
 Dissertation Chair: A. Rao
- Andrei Gandila, Diploma de Licenta, 2004, Diploma de Master, 2006, Universitatea din Bucuresti—Romania  
 Major: *History*  
 Dissertation: Marginal Money: Coins, Frontiers, and Barbarians in Early Byzantium (6<sup>th</sup>-7<sup>th</sup> Centuries)  
 Dissertation Chair: F. Curta
- Jeremy T. Gaskins, Bachelor of Science in Applied Mathematics *summa cum laude*, 2007, Bachelor of Science in Mathematics, 2007, Auburn University—Alabama  
 Major: *Statistics*  
 Dissertation: Bayesian Methods for Modeling Dependence Structures in Longitudinal Data  
 Dissertation Chair: M. J. Daniels
- Jessica E. Georges, Bachelor of Arts, 2007, Master of Science, 2009, University of Florida  
 Major: *Food and Resource Economics*  
 Minor: *Urban and Regional Planning*  
 Dissertation: Energizing Livelihoods: The Impact of the Biofuel Act in the Philippines  
 Dissertation Chair: M. P. Useche
- Ciera Jane Gerack, Bachelor of Science in Chemistry, 2008, College of Charleston—South Carolina  
 Major: *Chemistry*  
 Dissertation: Transition Metal-Free Carbonylation of Amines to Formamides  
 Dissertation Chair: L. A. McElwee-White
- Daniel James Getter, Bachelor of Science in Civil Engineering *cum laude*, 2008, Master of Engineering, 2010, University of Florida  
 Major: *Civil Engineering*  
 Dissertation: Validation and Implementation of Bridge Design Specifications for Barge Impact Loading  
 Dissertation Chair: G. R. Consolazio
- Brittany Kathleen Giel, Bachelor of Design *summa cum laude*, 2007, Master of Science in Building Construction, 2009, University of Florida  
 Major: *Design, Construction and Planning*  
 Dissertation: Framework for Evaluating the BIM Competencies of Building Owners  
 Dissertation Chair: R. Issa  
 Dissertation Co-chair: S. Olbina
- Nicole Christina Ginn, Bachelor of Arts in Psychology, 2008, University of North Carolina at Chapel Hill; Master of Science, 2010, University of Florida  
 Major: *Psychology—Clinical and Health Psychology*  
 Dissertation: Child Directed Interaction Training for Young Children with Autism Spectrum Disorders: Parent Outcomes, Mediators, and Predictors of Treatment  
 Dissertation Chair: S. M. Eyberg  
 Dissertation Co-chair: S. R. Boggs
- Toni L. Glover, Bachelor of Arts, 1980, Master of Arts, 1986, Bachelor of Science in Nursing, 2008, Master of Science in Nursing, 2009, University of Florida  
 Major: *Nursing Sciences*  
 Minor: *Aging and Pain Research*  
 Dissertation: A Biopsychosocial Approach to Understanding the Influence of Vitamin D Deficiency and Race on Chronic Knee Osteoarthritic Pain in Older Adults  
 Dissertation Chair: A. L. Horgas

- Sarah Kathryn Goforth, Bachelor of Science in Chemistry, 2008, Bachelor of Science in Mathematics, 2008, Furman University—South Carolina  
Major: *Chemistry*  
Dissertation: Application of Multisite Polypyridyl Ligands Towards the Synthesis of Heterometallic Complexes  
Dissertation Chair: L. A. McElwee-White
- Betül Gökkir, Bachelor of Arts in Political Science and Public Administration, 2007, Bilkent University—Turkey; Master of Arts, 2010, University of Florida  
Major: *Political Science*  
Dissertation: Networking for Global Commons: Governance of Marine Protected Areas in the High Seas and the Impact of Nongovernmental Actors  
Dissertation Chair: B. Arfı
- Sandy Barnes Goldie, Bachelor of Music *magna cum laude*, 1994, University of South Carolina at Columbia; Master of Arts in Music Education, 2009, University of Georgia  
Major: *Music Education*  
Dissertation: Music Teacher Identity Development: The Role of Long-Term, Authentic Teaching Experience in the Integration of Multiple Dimensions of Identity  
Dissertation Chair: R. L. Robinson
- Nilanjan Goswami, Bachelor of Technology, 2004, University of Kalyani—India; Master of Science, 2011, University of Florida  
Major: *Electrical and Computer Engineering*  
Dissertation: Power Performance Co-Optimization of Throughput Architecture Using Emerging Technologies  
Dissertation Chair: T. Li
- Siddharth Goyal, Bachelor of Engineering in Electrical Engineering, 2007, Punjab Engineering College—India; Master of Science, 2010, University of Florida  
Major: *Mechanical Engineering*  
Dissertation: Modeling and Control Algorithms to Improve Energy Efficiency in Buildings  
Dissertation Chair: P. Barooah
- Eric S. Graves, Bachelor of Science in Electrical Engineering *cum laude*, 2008, Master of Science, 2011, University of Florida  
Major: *Electrical and Computer Engineering*  
Dissertation: Information Integrity  
Dissertation Chair: T. F. Wong  
Dissertation Co-chair: J. M. Shea
- Sarah Marie Guadiana, Bachelor of Science in Biotechnology, 2008, Purdue University at Calumet—Indiana  
Major: *Medical Sciences—Neuroscience*  
Dissertation: Contributions of Primary Neuronal Cilia to the Normal and Abnormal Development of the Neocortex  
Dissertation Chair: M. R. Sarkisian
- Günhan Gülsoy, Bachelor of Science, 2009, Middle East Technical University—Turkey; Master of Science, 2012, University of Florida  
Major: *Computer Engineering*  
Dissertation: Querying Large Biological Network Datasets  
Dissertation Chair: T. Kahveci
- Tatiana Carola Gumucio, Bachelor of Arts *cum laude*, 2004, Bachelor of Science in Economics *cum laude*, 2004, University of Pennsylvania; Master of Arts, 2009, University of Florida  
Major: *Anthropology*  
Dissertation: Gendered Processes of Conceiving Indigeneity and of Social Movement Formation in a Multi-Ethnic National Reserve in Lowland Bolivia  
Dissertation Chair: F. V. Harrison
- Amit Gupta, Bachelor of Technology, 2007, National Institute of Technology at Warangal—India; Master of Science, 2010, University of Florida  
Major: *Electrical and Computer Engineering*  
Dissertation: Investigation of Electrical Bias, Mechanical Stress, Temperature and Ambient Effect on Algan/Gan Hemit Time-Dependent Degradation  
Dissertation Chair: T. Nishida  
Dissertation Co-chair: S. Thompson
- Amanda Kempton Hall, Bachelor of Science in Business Administration, 2001, Master of Health Science Education, 2003, University of Florida  
Major: *Health and Human Performance*  
Dissertation: The Digital Health Divide: Evaluating Health Technology Access and Use Among Older Adult Populations for Improved Health Outcomes and Medical Decision Making  
Dissertation Chair: J. M. Bernhardt

- Hollie Rebecca Hall, Bachelor of Science in Range Science, 2004, Humboldt State University—California; Master of Science, 2008, University of Florida  
 Major: *Soil and Water Science*  
 Dissertation: Recreational Uses of Florida Lakes: Regulatory Protection, Proposed Definition, Patterns of Use, and Water Quality  
 Dissertation Chair: M. W. Clark
- Elyse Lee Hambacher, Bachelor of Arts in Education *cum laude*, 2005, University of Florida; Master of Arts in Curriculum and Teaching, 2006, Teachers College of Columbia University—New York  
 Major: *Curriculum and Instruction*  
 Dissertation: Closing the Discipline Gap: Case Studies of Effective Urban Teachers  
 Dissertation Chair: E. Bondy
- Carrie Lapaire Harmon, Bachelor of Science in Plant Science *magna cum laude*, 1999, University of Massachusetts at Amherst; Master of Science in Plant Pathology, 2002, Purdue University—Indiana  
 Major: *Plant Pathology*  
 Dissertation: Plant Disease Diagnosis in the Age of PCR: Improving the Toolbox and Increasing Credibility  
 Dissertation Chair: J. B. Jones
- Marina Hassapopoulou, Bachelor of Arts in English, 2005, Bristol University—United Kingdom; Master of Arts in English, 2007, University of Oregon  
 Major: *English*  
 Dissertation: Vending Machines, Punishment Polls, Database Aesthetics: The Technocultural Legacy of Interactive Cinema  
 Dissertation Chair: T. A. Harpold
- Jaclyn N. Hayner, Bachelor of Science in Biochemistry, 2008, Bachelor of Science in Biology, 2008, University of South Florida  
 Major: *Medical Sciences—Biochemistry and Molecular Biology*  
 Dissertation: Comparing the Mechanism and DNA Substrate Specificity of *E. Coli* and *S. Cerevisiae* Clamp Loaders  
 Dissertation Chair: L. B. Bloom
- Yuejia He, Bachelor of Engineering, 2009, Huazhong University of Science and Technology—China; Master of Science, 2011, University of Florida  
 Major: *Electrical and Computer Engineering*  
 Dissertation: Inference of Network Topology and Dynamics: A Compressive Sensing Approach  
 Dissertation Chair: D. Wu
- Mehdi Hemmati, Bachelor of Science, 2003, Master of Science, 2006, Sharif University of Technology—Iran  
 Major: *Industrial and Systems Engineering*  
 Dissertation: Multilevel Discrete Formulations and Algorithms with Applications to New Production Introduction Games and Network Interdiction Problems  
 Dissertation Chair: J. Smith
- Hunter Bryant Henderson, Bachelor of Science in Materials Science and Engineering *cum laude*, 2009, University of Florida  
 Major: *Materials Science and Engineering*  
 Dissertation: Application of High-Power Electromagnetic Acoustic Transduction to the Fabrication of Light Metal Matrix Nanocomposites  
 Dissertation Chair: M. V. Manuel
- Samantha Anne Hilber, Bachelor of Science in Biological Sciences, 2006, California State University at Sacramento  
 Major: *Zoology*  
 Dissertation: Sexual Selection for Maternal Care in a Biparental Fish  
 Dissertation Chair: C. M. St. Mary
- Monta Raymond Holzworth Jr., Bachelor of Science in Materials Science and Engineering *magna cum laude*, 2007, Master of Science, 2009, University of Florida  
 Major: *Materials Science and Engineering*  
 Dissertation: Impact of Electrically and Thermally Induced Physical Defects on the Reliability of AlGaIn/GaN High Electron Mobility Transistors  
 Dissertation Chair: K. S. Jones
- Minki Hong, Bachelor of Science, 2001, Master of Science, 2003, Yonsei University—South Korea  
 Major: *Materials Science and Engineering*  
 Dissertation: Computational Investigation of the Defect Behavior and Surface Phenomena of Ceramics  
 Dissertation Chair: S. B. Sinnott
- Maggie Elizabeth Horn Robinson, Bachelor of Science in Psychology, 2005, Oklahoma State University; Doctor of Physical Therapy, 2010, Master of Public Health, 2011, University of Florida  
 Major: *Rehabilitation Science*  
 Dissertation: Clinical Outcomes, Healthcare Utilization and Costs in Patients with Neck Pain Utilizing Physical Therapy  
 Dissertation Chair: M. D. Bishop

- David C. Horton, Bachelor of Science, 1996, University of the West Indies; Master of Science in Electrical Engineering, 2002, University of Vermont  
Major: *Materials Science and Engineering*  
Dissertation: Modeling Mechanisms of Degradation in Gan/Algan Devices in Both Off and On States  
Dissertation Chair: M. E. Law
- Hongyan Hou, Bachelor of Science, 2005, Master of Science, 2008, Nankai University—China  
Major: *Mathematics*  
Dissertation: Convergence Analysis of Orthogonal Collocation Methods for Unconstrained Optimal Control  
Dissertation Chair: W. W. Hager
- Derek Hsen Hsu, Bachelor of Science in Materials Science and Engineering, 2007, Northwestern University—Illinois; Master of Science, 2011, University of Florida  
Major: *Materials Science and Engineering*  
Dissertation: Design and Development of NiTi-Based Precipitation-Strengthened High-Temperature Shape Memory Alloys for Actuator Applications  
Dissertation Chair: M. V. Manuel
- Yang Hu, Bachelor of Agronomy, 2006, Master of Agronomy, 2009, China Agricultural University  
Major: *Plant Pathology*  
Dissertation: Citrus Canker Requires Targeting of a Susceptibility Gene by Specific TAL Effectors Present in *Xanthomonas Citri*  
Dissertation Chair: J. B. Jones
- Yige Hu, Bachelor of Engineering, 2003, Beijing Institute of Technology—China; Master of Science, 2009, University of Florida  
Major: *Electrical and Computer Engineering*  
Dissertation: A Study of Hot Carrier Copper Indium Gallium Diselenide Based Thin Film Solar Cells  
Dissertation Chair: G. Bosman
- Lei Huang, Bachelor of Science, 2008, Beijing Normal University—China  
Major: *Statistics*  
Dissertation: Survival And Reliability Analysis Under Polya Tree Processes Priors  
Dissertation Chair: M. Ghosh
- Xiaoen Huang, Bachelor of Science, 2003, Master of Science, 2006, Fujian Agriculture and Forestry University—China  
Major: *Plant Pathology*  
Dissertation: Roles of E3 Ubiquitin Ligases Xb3 Family in Plant Immunity  
Dissertation Chair: W. Song
- Shen-hsiu Hung, Bachelor of Science, 2002, National Chung Hsing University—Taiwan; Master of Science, 2004, National Cheng Kung University—Taiwan; Master of Science, 2009, University of Florida  
Major: *Chemical Engineering*  
Dissertation: Integrated Cellular Biophysical Migration Approach  
Dissertation Chair: Y. Tseng
- James T. Hungerford, Bachelor of Science *cum laude*, 2008, Master of Science, 2011, University of Florida  
Major: *Mathematics*  
Dissertation: Continuous Edge-Concave Quadratic Programming Formulations of Discrete Optimization Problems  
Dissertation Chair: W. W. Hager
- Eunha Hwang, Bachelor of Literature, 2000, Kwangwoon University—South Korea; Master of Arts, 2008, Korea University—South Korea  
Major: *Linguistics*  
Dissertation: Non-native Teachers' Directives in English: A Comparative Analysis of the Academic Discourse of Native Speaker and Korean Teaching Assistants  
Dissertation Chair: D. Boxer
- Michael A. Hyman, Bachelor of Science in Mathematics, 2006, University of North Carolina at Chapel Hill; Master of Statistics, 2009, University of Florida  
Major: *Interdisciplinary Ecology*  
Dissertation: Conducting Inference on Ripley's K-Function of Spatial Point Patterns with Applications  
Dissertation Chair: L. Young  
Dissertation Co-chair: C. L. Staudhammer
- Ilksen Ece İçyüz, Bachelor of Science in Manufacturing Systems Engineering, 2008, Sabanci University—Turkey; Master of Science, 2010, University of Florida  
Major: *Industrial and Systems Engineering*  
Dissertation: Optimization Models and Methods for Network Flow Problems Arising in Railroad Industry  
Dissertation Chair: J. Richard

- Igor V. Ignatovich, Diploma Specialist in Engineering, 2008, Moscow State University—Russia  
 Major: *Medical Sciences—Immunology and Microbiology*  
 Dissertation: Parvovirus B19 Modulates Nuclear Hormone Receptor Signaling: Implications in Skin Cancer  
 Dissertation Chair: J. A. Hobbs
- Evgenia O. Ilieva, Bachelor of Arts, 2003, Ithaca College—New York; Master of Arts, 2009, University of Florida  
 Major: *Political Science*  
 Dissertation: Comparative Political Theory and the Exit From Orientalism  
 Dissertation Chair: L. P. Thiele
- Katrina Anne Indarawis, Bachelor of Science, 2002, Bachelor of Arts, 2002, Master of Education, 2004,  
 Bachelor of Science in Civil Engineering, 2007, Master of Engineering, 2013, University of Florida  
 Major: *Environmental Engineering Sciences*  
 Dissertation: Combined Ion Exchange as a Pretreatment for Reverse Osmosis in Drinking Water Applications  
 Dissertation Chair: T. H. Boyer
- Mandu Ime Inyang, Bachelor of Technology in Chemical Engineering, 2006, Ladoke Akintola University—Nigeria; Master of Science,  
 2010, University of Florida  
 Major: *Agricultural and Biological Engineering*  
 Minor: *Environmental Engineering Sciences*  
 Dissertation: Engineered Biochars for the Removal of Metallic, Organic, and Emerging Contaminants From Aqueous Solutions  
 Dissertation Chair: B. Gao  
 Dissertation Co-chair: A. R. Zimmerman
- Jennifer Noelle Jackson, Bachelor of Science in Aerospace Engineering, 2003, Master of Science in Mechanical Engineering, 2005,  
 University of Central Florida; Master of Science, 2012, University of Florida  
 Major: *Biomedical Engineering*  
 Dissertation: Locomotion Pattern Prediction Based on Whole-Body Angular and Linear Momentum Variations  
 Dissertation Chair: B. J. Fregly
- Haiyan Jia, Bachelor of Science, 2005, Inner Mongolia University—China; Master of Engineering, 2008,  
 Chinese Academy of Sciences  
 Major: *Plant Molecular and Cellular Biology*  
 Dissertation: Functions of AFL and VALB3 Transcription Factors in Regulating the Transition From Seed to Seedling Development  
 Dissertation Chair: D. R. McCarty
- Pengxiang Jiang, Bachelor of Science in Civil Engineering, 2008, University of Macau; Master of Science, 2010, University of Florida  
 Major: *Civil Engineering*  
 Dissertation: Borehole Seismic Imaging: A Full Waveform Inversion Approach  
 Dissertation Chair: D. R. Hiltunen
- Ruiwei Jiang, Bachelor of Engineering, 2009, Tsinghua University—China; Master of Science, 2011, University of Florida  
 Major: *Industrial and Systems Engineering*  
 Dissertation: Data-Driven Stochastic Optimization: Integrating Reliability with Cost Effectiveness  
 Dissertation Chair: Y. Guan
- Elizabeth Jiménez Díaz, Titulo de Quimica, 2004, Universidad Del Valle de Cauca—Colombia  
 Major: *Chemistry*  
 Dissertation: Generation of DNA Aptamers for Lung Cancer Studies  
 Dissertation Chair: W. Tan
- Shawn Christopher Johnson, Bachelor of Science in Aerospace Engineering *cum laude*, 2005, University of Florida;  
 Master of Science in Aerospace Engineering, 2008, Georgia Institute of Technology  
 Major: *Aerospace Engineering*  
 Dissertation: Spacecraft Attitude Resource Sharing  
 Dissertation Chair: N. G. Fitz-Coy
- Ashley M. Jones, Bachelor of Arts in Mathematics, 2006, University of California at Santa Cruz; Master of Science, 2010, University of Florida  
 Major: *Aerospace Engineering*  
 Dissertation: Unsteady Circulation Control for High-Performance Low-Noise Aircraft  
 Dissertation Chair: L. N. Cattafesta III  
 Dissertation Co-chair: M. Sheplak
- Tiffany E. Judy, Bachelor of Arts in Spanish *summa cum laude*, 2005, University of Northern Iowa  
 Major: *Romance Languages—Spanish*  
 Dissertation: Sources of Performance and Processing Errors in Near-Native L2 Spanish Speakers, L1 Farsi  
 Dissertation Chair: J. Rothman



- Daniel B. Kay, Bachelor of Science in Psychology, 2006, Washington State University; Master of Science, 2009, University of Florida  
 Major: *Psychology—Clinical and Health Psychology*  
 Dissertation: Sleep Aging and Parkinson's Disease Impact on Cognition and Mood  
 Dissertation Chair: D. Bowers
- John Michael Ketcham, Bachelor of Science in Chemistry, 2007, University of Central Florida  
 Major: *Chemistry*  
 Dissertation: Utilizing Allylic Alcohols as Both Electrophiles and Nucleophiles in Gold-Catalyzed Reactions  
 Dissertation Chair: A. S. Aponick
- Chanmin Min Kim, Bachelor of Business Administration, 2006, Bachelor of Arts, 2006, Sogang University—South Korea;  
 Master of Arts in Statistics, 2008, Columbia University—New York  
 Major: *Statistics*  
 Dissertation: Bayesian Methods for Inference on the Causal Effects of Mediation  
 Dissertation Chair: M. J. Daniels
- Hee Youn Kim, Bachelor of Arts, 2001, Hongik University—South Korea; Master of Science in Tourism Management, 2009,  
 Kyung Hee University—South Korea  
 Major: *Health and Human Performance*  
 Dissertation: Consumer Information Processing in the Context of Luxury Golf Resorts: Application of Implicit Beliefs  
 Dissertation Chair: Y. J. Ko
- Jeeyoung Kim, Bachelor of Science, 2004, Kyungpook National University—South Korea; Master of Science in Engineering, 2006,  
 University of Pennsylvania  
 Major: *Computer Engineering*  
 Dissertation: A Data-Driven Framework for Multi-Dimensional Prediction Processes for Wlan Mobile Users  
 Dissertation Chair: A. H. Helmy
- June Yung Kim, Bachelor of Arts, 2006, Chung-Ang University—South Korea; Master of Arts, 2009, Florida State University  
 Major: *Mass Communication*  
 Dissertation: The Integrative Model of Social Capital in Public's Participatory Behaviors: Exploring Effects of Public Relations Strategies  
 on Social Capital  
 Dissertation Chair: S. K. Kiouis
- Yong Hwan Kim, Bachelor of Business Administration, 2002, Bachelor of Science, 2002, Master of Science, 2004,  
 Sogang University—South Korea  
 Major: *Medical Sciences—Molecular Cell Biology*  
 Dissertation: Pathogenetic Mechanism of Hht and Preclinical Assessment of Anti-Angiogenic Therapies for Hht  
 Dissertation Chair: S. P. Oh
- Evelyn Claire King-Marshall, Bachelor of Health Science, 2005, Master of Public Health, 2007, University of Florida  
 Major: *Public Health*  
 Dissertation: Goal Aspirations Among Nulliparous and Parous Adolescent Girls Ages 16-19: A Qualitative Study  
 Dissertation Chair: B. Curbow
- Isaya Kisekka, Bachelor of Science in Agricultural Engineering, 2003, Makerere University—Uganda; Master of Engineering, 2009,  
 University of Florida  
 Major: *Agricultural and Biological Engineering*  
 Dissertation: Modeling Influences of Canal Stage Raises on Groundwater and Soil Water in the C-111 Basin of South Florida  
 Dissertation Chair: K. W. Migliaccio  
 Dissertation Co-chair: R. Munoz-Carpena
- Shaun William Kline, Bachelor of Science in Civil Engineering *cum laude*, 2006, Master of Science, 2009, University of Florida  
 Major: *Geology*  
 Dissertation: Influence of Wave Energy Dissipation on the Geomorphic Behavior of Rocky and Sandy Coasts  
 Dissertation Chair: P. N. Adams
- Dmytro Korenkevych, Bachelor of Applied Mathematics and Physics, 2007, Master of Applied Mathematics and Physics, 2009,  
 Moscow Institute of Physics and Technology—Russia; Master of Science, 2012, University of Florida  
 Major: *Industrial and Systems Engineering*  
 Dissertation: Data Mining Methods with Applications in Biomedicine  
 Dissertation Chair: P. M. Pardalos  
 Dissertation Co-chair: P. Momcilovic

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 Major: *Classical Studies*  
 Dissertation: Effect and Ethos of Music in Greek and Roman Authors—Exposition and Evaluation  
 Dissertation Chair: J. Rea
- Stewart Edward Kreitzer, Bachelor of Arts *cum laude*, 2004, Master of Arts, 2006, University of Florida  
 Major: *History*  
 Dissertation: World Views in Collision: The Dialogue Between John Greene and Ernst Mayr (1959-2005)  
 Dissertation Chair: V. Smocovitis
- Tess M. Kulstad, Licenciatura em Engenharia Alimentar, 1995, Instituto Tecnológico de Santo Domingo—Dominican Republic; Master of Arts, 2006, University of Florida  
 Major: *Anthropology*  
 Dissertation: Post-Earthquake Fosterage of Children Along the Haitian-Dominican Border  
 Dissertation Chair: G. F. Murray
- Ashish Kumar, Bachelor of Technology in Electrical Engineering, 2004, Indian Institute of Technology at Madras—India; Master of Science, 2012, University of Florida  
 Major: *Electrical and Computer Engineering*  
 Dissertation: Nickel Silicide Growth Modeling Using Level Set Methods  
 Dissertation Chair: M. E. Law
- Theodore J. Kury, Bachelor of Arts in Economics, 1992, Master of Arts in Economics, 1994, State University of New York at Buffalo  
 Major: *Economics*  
 Dissertation: Three Essays on the Changing U.S. Electricity Industry  
 Dissertation Chair: D. Sappington
- Marie Juliette Kurz, Bachelor of Science in Geology, 2007, College of William and Mary—Virginia  
 Major: *Geology*  
 Minor: *Environmental Engineering Sciences*  
 Dissertation: Biogeochemical and Hydrologic Controls on Solute Sources and Cycling in a Biologically Productive Karst River  
 Dissertation Chair: J. B. Martin
- Sylvia Teresa Laboy-Rodriguez, Bachelor of Science in Civil Engineering, 2003, University of Puerto Rico at Mayaguez; Master of Science in Civil Engineering, 2005, Purdue University—Indiana  
 Major: *Civil Engineering*  
 Dissertation: Vulnerability of Residential Infrastructure in Hurricane Prone Regions  
 Dissertation Chair: K. R. Gurley
- Jessica B. Langebrake, Bachelor of Science *cum laude*, 2008, Master of Science, 2010, University of Florida  
 Major: *Mathematics*  
 Dissertation: Examples of Reaction-Diffusion Equations in Biological Systems: Marine Protected Areas and Quorum Sensing  
 Dissertation Chair: P. De Leenheer  
 Dissertation Co-chair: S. J. Hagen
- Hillary Heveran Lathrop, Bachelor of Arts, 2004, Smith College—Massachusetts; Master of Science in Chemistry, 2009, University of Massachusetts at Lowell  
 Major: *Chemistry*  
 Dissertation: Mass Spectrometric Investigation of Apical Droplets From *Culex quinquefasciatus* Egg Rafts  
 Dissertation Chair: R. A. Yost
- Alexandra A. Lauterbach, Bachelor of Arts in Anthropology, 2003, University of North Carolina at Chapel Hill; Master of Science in Education, 2004, University of Pennsylvania  
 Major: *Special Education*  
 Dissertation: How Expert Secondary Special Education Teachers Conceptualize Teaching Literacy in Their Content Area with Students with Learning Disabilities  
 Dissertation Chair: M. T. Brownell
- Hye Won Lee, Bachelor of Engineering, 2003, Ajou University—South Korea; Master of Science in Medicine, 2005, Seoul National University—South Korea  
 Major: *Genetics and Genomics*  
 Dissertation: Patterns of Amino Acid Substitution in Bacterial Evolution  
 Dissertation Chair: L. Brocchieri

- Im Sue Lee, Bachelor of Arts, 1994, Seoul National University—South Korea; Bachelor of Arts, 2002, Master of Arts, 2004, Korean National University of Arts—South Korea  
 Major: *Art History*  
 Dissertation: *Away from the Mainstream: Three Alternative Spaces in New York and the Expansion of Art in the 1970s*  
 Dissertation Chair: J. C. Tsai
- Jaehoon Lee, Bachelor of Arts, 1995, Kangnung National University—South Korea  
 Major: *Anthropology*  
 Dissertation: *Technofunctional Analysis of Pottery From the Late Neolithic and the Early Bronze Periods: Material Identity in the Formation of Ethnic Identity in Korea*  
 Dissertation Chair: K. E. Sassaman
- Jennifer A. Lee, Bachelor of Science in Applied Science, 2008, University of North Carolina at Chapel Hill  
 Major: *Biomedical Engineering*  
 Dissertation: *Combination of First-Pass Fluorescence Imaging with Hyperspectral Imaging of Hemoglobin Saturation for Wide-Field In Vivo Analysis of Microvessel Blood Supply and Oxygenation*  
 Dissertation Chair: B. Sorg  
 Dissertation Co-chair: B. K. Ormerod
- Jo Ann Lee, Bachelor of Science *cum laude*, 2006, Master of Science, 2009, University of Florida  
 Major: *Mathematics*  
 Dissertation: *A Simulation Model for the Spread of Citrus Greening via Transmission Between Flush Shoots and *Diaphorina Citri**  
 Dissertation Chairperson: J. E. Keesling
- Kuang-yung Lee, Doctor of Medicine, 1994, China Medical University  
 Major: *Medical Sciences—Genetics*  
 Dissertation: *Mouse Muscleblind-Like Compound Knockout Models of Myotonic Dystrophy*  
 Dissertation Chair: M. S. Swanson
- Katie Elizabeth Leonard, Bachelor of Science in Physics, 2009, University of Minnesota at Twin Cities; Master of Science, 2011, University of Florida  
 Major: *Physics*  
 Dissertation: *Quantum Gravitational Corrections to Vacuum Polarization During Inflation*  
 Dissertation Chair: R. P. Woodard
- Ke Li, Bachelor of Science, 2008, Sichuan University—China; Master of Statistics, 2012, University of Florida  
 Major: *Statistics*  
 Dissertation: *Bayesian Multiple Testing Under Sparsity for Exponential Distributions*  
 Dissertation Chair: M. Ghosh
- Like Li, Bachelor of Engineering, 2007, Central South University—China; Master of Engineering, 2009, Beijing University of Aeronautics and Astronautics—China  
 Major: *Mechanical Engineering*  
 Dissertation: *Computational Study of Heat Transfer in Fluid-Solid Flows*  
 Dissertation Chair: R. Mei  
 Dissertation Co-chair: J. F. Klausner
- Shengli Li, Bachelor of Engineering, 2006, Xi'an Jiaotong University—China; Master of Science, 2008, University of Florida  
 Major: *Business Administration—Information Systems and Operations Management*  
 Dissertation: *Optimal Software Free Trial, Licensing and Channel Strategies*  
 Dissertation Chair: H. K. Cheng
- Xiaoyuan Li, Bachelor of Engineering, 2007, University of Electronic Science and Technology of China; Master of Science, 2009, University of Florida  
 Major: *Electrical and Computer Engineering*  
 Dissertation: *Primary User Behavior Estimation and Channel Assignment for Dynamic Spectrum Access in Energy-Constrained Cognitive Radio Sensor Networks*  
 Dissertation Chair: J. Y. McNair
- Zheng Li, Bachelor of Engineering, 2007, Master of Engineering, 2009, China Agricultural University  
 Major: *Food Science and Human Nutrition*  
 Dissertation: *Design, Preparation, and Characterization of Nanoparticles as Delivery Systems for Bioactive Phenolic Phytochemicals*  
 Dissertation Chair: L. Gu

- Chae Ho Lim, Bachelor of Engineering in Chemical Engineering, 2001, Korea University—South Korea; Master of Science in Chemical and Biomolecular Engineering, 2003, Korea Advanced Institute of Science and Technology—South Korea  
 Major: *Medical Sciences—Molecular Cell Biology*  
 Dissertation: The Origin and Role of Meiosis Specific Adenine Nucleotide Translocase 4  
 Dissertation Chair: N. Terada
- Fabio Soares de Lima, Grau de Medico Veterinario, 2004, Universidade Estadual Paulista Julio de Mesquita Filho—Brazil; Master of Science, 2009, University of Florida  
 Major: *Animal Sciences*  
 Dissertation: Manipulating Ovarian Function and Uterine Health with the Aim of Improving Fertility in Dairy Cattle  
 Dissertation Chair: J. Santos
- Virginia Louise Little, Bachelor of Science in Physical Therapy, 1999, Master of Science in Physical Therapy, 2000, Springfield College—Massachusetts  
 Major: *Rehabilitation Science*  
 Dissertation: Unrecognized Biomechanical Mechanisms of Gait Dysfunction Post Stroke  
 Dissertation Chair: C. Patten
- Yuelu Liu, Bachelor of Engineering, 2007, Beijing Institute of Technology—China; Master of Science, 2009, University of Florida  
 Major: *Biomedical Engineering*  
 Dissertation: Single-Trial Analysis and Its Applications in EEG and Simultaneous EEG-fMRI Studies  
 Dissertation Chair: M. Ding
- Melvin D. Livingston III, Bachelor of Arts, 2007, University of Florida  
 Major: *Epidemiology*  
 Dissertation: Assessment of Adolescent Alcohol Use: Estimating and Adjusting for Measurement Bias  
 Dissertation Chair: K. A. Komro
- Taylor Kathleen Locker, Bachelor of Arts in Psychology, 2007, Purdue University—Indiana; Master of Science, 2009, University of Florida  
 Major: *Counseling Psychology*  
 Dissertation: Women's Experiences of Perceived Weight Based Discrimination and Psychological Distress: A Test of Social Identity Theory  
 Dissertation Chair: M. Heesacker
- James M. Lohmar, Artium Baccalaureus, 2006, University of Georgia; Master of Arts, 2008, University of Florida  
 Major: *Classical Studies*  
 Dissertation: The Anatomy of Roman Epic: A Study of Poetic Violence  
 Dissertation Chair: J. Rea
- Daniel Joseph Long, Bachelor of Science in Nuclear Engineering *cum laude*, 2009, Master of Science, 2011, University of Florida  
 Major: *Biomedical Engineering*  
 Dissertation: Monte Carlo Calculations of Patient Organ Doses in Toshiba Computed Tomography Examinations with Automatic Tube Current Modulation: A Feasibility Study  
 Dissertation Chair: W. E. Bolch
- Manuel Thomas Lopez, Bachelor of Science *summa cum laude*, 2005, Bachelor of Arts *cum laude*, 2005, University of Florida  
 Major: *Counseling Psychology*  
 Dissertation: The Effects of an Intervention to Promote Customized Culturally Sensitive Health Care by Medical Student Providers  
 Dissertation Chair: C. M. Tucker
- Bo Lu, Bachelor of Engineering, 1998, Master of Engineering, 2001, Tsinghua University—China; Master of Science, 2003, Master of Science, 2005, University of Florida  
 Major: *Biomedical Engineering*  
 Dissertation: Strategies for Kvcbct-Guided Patient Setup of Stereotactic Radiotherapy and Assessments of Their Dose Consequences  
 Dissertation Chair: C. Liu
- Shuang Lu, Bachelor of Arts, 2005, Shandong Jianzhu University—China; Master of Arts, 2006, Leiden University—Netherlands  
 Major: *Linguistics*  
 Dissertation: Effects of Production Training and Perception Training on Lexical Tone Perception: Are the Effects Domain General or Domain Specific?  
 Dissertation Chair: E. Kaan  
 Dissertation Co-chair: R. Wayland
- Keri Marie Madsen, Bachelor of Science, 1997, East Carolina University—North Carolina; Master of Science, 2002, University of South Florida; Specialist in Education, 2007, University of Florida  
 Major: *Special Education*  
 Dissertation: The Use of Pseudowords for Decoding Instruction  
 Dissertation Chair: H. B. Lane

- Jessica Anne Mahone, Bachelor of Arts in Bible and Religion, 2001, King College—Tennessee; Master of Arts, 2009, Master of Arts in Sociology, 2010, East Tennessee State University  
 Major: *Mass Communication*  
 Dissertation: Understanding the Influence of Newspaper Coverage of Protest on Social Movement Success: A New Application of the Political Mediation Model  
 Dissertation Chair: C. Armstrong
- Alyssa Brooke Maki, Bachelor of Science in Biology, 2005, University of West Florida  
 Major: *Nutritional Sciences*  
 Dissertation: Characterization of ZIP11 Within the Murine Gastrointestinal Tract  
 Dissertation Chair: R. J. Cousins
- Lunhua Mao, Bachelor of Arts, 2002, Jiangsu University—China; Master of Education, 2006, Shanghai University—China  
 Major: *Health and Human Performance*  
 Dissertation: Sports Gambling as Consumption: An Econometric Analysis of Demand for Sports Lottery  
 Dissertation Chair: D. P. Connaughton
- Navya Mastanaiah, Bachelor of Technology, 2007, Indian Institute of Technology Madras—India; Master of Science, 2010, University of Florida  
 Major: *Aerospace Engineering*  
 Dissertation: Dielectric Barrier Discharge (DBD) Plasma Sterilization: An Indepth Study of the Factors Contributing to and Enhancing the Sterilization Process  
 Dissertation Chair: S. Roy
- Luis Antonio Matos Casado Sr., Titulo de Ingeniero Agronomo, 1993, Maestria en Menejo Integrado de Plagas, 2008, Universidad Autonoma de Santo Domingo—Dominican Republic  
 Major: *Plant Pathology*  
 Dissertation: Population Genetics Analysis of Two Citrus Pathogens in Florida and in the Caribbean Region  
 Dissertation Chair: S. Y. Folimonova
- Matthew R. Maynard, Bachelor of Science in Nuclear Engineering, 2007, Purdue University—Indiana; Master of Science, 2009, University of Florida  
 Major: *Biomedical Engineering*  
 Dissertation: Hybrid Computational Phantoms of the Developing Fetus and Pregnant Female: Construction and Application to Select Internal Radiation Dosimetry Studies  
 Dissertation Chair: W. E. Bolch
- Danielle J. McCullough, Bachelor of Science honours, 2007, University of Guelph—Canada; Master of Science, 2009, University of Florida  
 Major: *Health and Human Performance*  
 Dissertation: Exercise and Vascular Function in Health and Disease  
 Dissertation Chair: B. J. Behnke
- Bridgette O'Brien McGoldrick, Bachelor of Arts, 1995, University of Puget Sound—Washington; Master of Arts, 1996, Columbia University—New York  
 Major: *Religion*  
 Dissertation: Religion, Ethics, Nature in Secondary School Education: Exploring Religion's Role in Sustainability Trends  
 Dissertation Chair: B. Taylor
- Mary Ellen McKay, Bachelor of Science *cum laude*, 2000, Master of Science, 2009, University of Florida  
 Major: *Psychology*  
 Dissertation: Individual Differences in Theory of Mind and Narrative in Early Adulthood  
 Dissertation Chair: M. J. Farrar
- Julianne McLaughlin, Bachelor of Science in Chemistry, 2006, College of Charleston—South Carolina  
 Major: *Environmental Engineering Sciences*  
 Dissertation: On the Transformation and Bio-Interaction of Nanosilver Particles in Natural Waters: Toxicity Implications for Aquatic Organisms  
 Dissertation Chair: J. Bonzongo
- Tyler Francis McPeck, Bachelor of Fine Arts, 1998, Saint Andrews Presbyterian College—North Carolina; Master of Business Administration, 2005, Ritsumeikan University—Japan; Master of Arts, 2010, University of Florida  
 Major: *Linguistics*  
 Dissertation: American Voice Types: Towards a Vocal Typology for American English  
 Dissertation Chair: J. D. Harnsberger
- Ali Marie Messenger, Bachelor of Science *cum laude*, 2008, Master of Public Health, 2011, University of Florida  
 Major: *Public Health*  
 Dissertation: Dengue Epidemiology, Prevention, and Control in Key West, Florida  
 Dissertation Chair: B. A. Okech



- Sungwook Mhin, Bachelor of Science in Ceramic Engineering, 2006, Master of Science, 2008, Hanyang University—South Korea  
 Major: *Materials Science and Engineering*  
 Dissertation: Crystallization Behavior of Solution Deposited Lead Zirconate Titanate Thin Films  
 Dissertation Chair: J. L. Jones
- Xiaochang Miao, Bachelor of Natural Science in Applied Physics, 2008, University of Science and Technology—China  
 Major: *Physics*  
 Dissertation: Fundamental Studies of Graphene/Graphite and Graphene Based Schottky Photovoltaic Devices  
 Dissertation Chair: A. F. Hebard
- Delphine Mico Umutesi, Bachelor in Applied Mathematics, 2007, National University of Rwanda; Master of Science, 2009, University of Florida  
 Major: *Mathematics*  
 Dissertation: Estimating the Violation of the KKT Conditions  
 Dissertation Chair: W. W. Hager
- Kathryn Ross Middleton, Bachelor of Science in Psychology *magna cum laude*, 2006, Virginia Commonwealth University; Master of Science, 2009, Master of Public Health, 2012, University of Florida  
 Major: *Psychology—Clinical and Health Psychology*  
 Dissertation: Preventing the Freshman 15: The Effect of Lifestyle Intervention on Freshman-Year Weight Gain  
 Dissertation Chair: M. G. Perri
- Jason W. Miesbauer, Bachelor of Science in Forestry, 2001, Bachelor of Science in Business Administration, 2001, University of Wisconsin at Stevens Point  
 Major: *Horticultural Science—Environmental Horticulture*  
 Dissertation: Effects of Branch Orientation, Crown Structure, and Pruning on Tree Response to External Loads  
 Dissertation Chair: E. F. Gilman
- Nicholas William Miles, Bachelor of Science in Biological Sciences *cum laude*, 2007, Florida State University  
 Major: *Botany*  
 Dissertation: Evolution of the Genetic Control of Leaf Development with an Emphasis on Carnivorous Pitcher Plants  
 Dissertation Chair: P. S. Soltis  
 Dissertation Co-chair: D. E. Soltis
- Billy R. Miller III, Bachelor of Science in Biology, 2008, Truman State University—Missouri  
 Major: *Chemistry*  
 Dissertation: Computational Drug Design and Discovery for *Trypanosoma Cruzi* Trans-Sialidase  
 Dissertation Chair: A. E. Roitberg
- Matthew D. Mingus, Bachelor of Arts *cum laude*, 2008, Ashland University—Ohio; Master of Arts, 2011, University of Florida  
 Major: *History*  
 Dissertation: Re-Envisioning Germany's Mapped Space: (Re)Constructing National Identity, 1945 to 1961  
 Dissertation Chair: G. J. Giles  
 Dissertation Co-chair: P. E. Bergmann
- Maryam Mirhadi Fard, Bachelor Degree, 2003, Amirkabir University of Technology—Iran; Master of Science, 2005, Sharif University of Technology—Iran  
 Major: *Design, Construction and Planning*  
 Dissertation: Decision Making for Sustainable Location of Semi-Desirable Facilities with Application to Cement Plants  
 Dissertation Chair: C. J. Kibert  
 Dissertation Co-chair: A. R. Chini
- Aida Teresa Miró Herrans, Bachelor of Science in Biology *summa cum laude*, 2006, University of Puerto Rico at Rio Piedras  
 Major: *Genetics and Genomics*  
 Dissertation: Genetic and Geographic Perspectives on Human Migration and Implications for Prehistoric Demographic Reconstructions  
 Dissertation Chair: C. J. Mulligan
- Nikolett Molnar, Bachelor of Science in Biology, 2007, Gettysburg College—Pennsylvania  
 Major: *Medical Sciences—Physiology and Pharmacology*  
 Dissertation: Angiopoietin-2 Inhibition by the Investigational Ang-2 Antibody Medi3617 in Renal Cell Carcinoma Induced Angiogenesis: Therapeutic Implications  
 Dissertation Chair: D. W. Siemann

- Robert W. Molt Jr., Bachelor of Arts in Chemistry, 2007, College of the Holy Cross—Massachusetts; Master of Science, 2009, University of Minnesota at Twin Cities  
 Major: *Chemistry*  
 Dissertation: Nitramine Conformers and Detonation Mechanism Via Standard Coupled Cluster and Double-Electron Attached Coupled Cluster Theory  
 Dissertation Chair: R. J. Bartlett
- Philippe Moriel, Grau de Zootecnista, 2008, Universidade Estadual Paulista Julio de Mesquita Filho—Brazil; Master of Science, 2010, University of Wyoming  
 Major: *Animal Sciences*  
 Dissertation: Long-Term Effects of Metabolic Imprinting and Calf Management Systems Following Early Weaning on Growth and Reproductive Performance of Beef Calves  
 Dissertation Chair: J. D. Arthington
- Jocelyn Clare Mullins, Bachelor of Science in Biology *cum laude*, 1995, University of Oregon; Doctor of Veterinary Medicine *cum laude*, 2000, Master of Public Health, 2009, University of Florida  
 Major: *Geography*  
 Minor: *Epidemiology*  
 Dissertation: Combining Genetic Diversity and Spatio-Temporal Data to Characterize the Spatial Ecology of Anthrax Across Multiple Scales  
 Dissertation Chair: J. K. Blackburn
- Vikram Vasanth Munikoti, Bachelor of Science in Biomedical Engineering, 2003, Master of Science in Biomedical Engineering, 2006, Rutgers University—New Jersey  
 Major: *Biomedical Engineering*  
 Dissertation: Extracellular Matrix Molecules of the Vascular Endothelium in the Subgranular Zone Regulate Adult Hippocampal Neurogenesis  
 Dissertation Chair: B. K. Ormerod
- Jennifer Eve Rosado Muñoz, Bachelor of Arts in Psychology, 2002, Master of Arts in Counseling Psychology, 2005, Walla Walla College—Washington; Master of Science, 2010, University of Florida  
 Major: *Psychology—Clinical and Health Psychology*  
 Dissertation: Examining Different Forms of Peer Aggression and Victimization and Their Relations with Social, Psychological, and School Functioning  
 Dissertation Chair: B. A. Wiens
- Paul Daniel Muri, Bachelor of Science in Electrical Engineering *magna cum laude*, 2009, Master of Science, 2010, University of Florida  
 Major: *Electrical and Computer Engineering*  
 Dissertation: Delay Tolerant Networking for Cubesat Topologies and Platforms  
 Dissertation Chair: J. Y. McNair
- Chaein Na, Bachelor of Agriculture, 2006, Master of Agriculture, 2008, Kyungpook National University—South Korea  
 Major: *Agronomy*  
 Dissertation: Harvest Management and Growth Period Effects on Perennial Bioenergy Grass Production and Composition in the Southeastern USA  
 Dissertation Chair: L. E. Sollenberger  
 Dissertation Co-chair: J. E. Erickson
- Yasutaka Nagaoka, Bachelor of Science, 2006, Master of Science, 2008, Keio University—Japan  
 Major: *Chemistry*  
 Dissertation: Nanocrystal Superlattices: Synthesis and Characterizations Under High Pressure  
 Dissertation Chair: Y. W. Cao
- Stephen Narh, Bachelor of Science in Agriculture, 2000, Master of Philosophy in Soil Science, 2006, University of Ghana  
 Major: *Agronomy*  
 Dissertation: Yield Responses of Peanut (*Arachis Hypogaea L.*) Cultivars to Soils and Weather Conditions in Burkina Faso and Ghana  
 Dissertation Chair: K. J. Boote
- Zahra Nasrollahi, Bachelor of Physics, 1999, Master of Physics, 2003, Sharif University of Technology—Iran; Master of Science, 2009, University of Florida  
 Major: *Physics*  
 Dissertation: Spectroscopic Studies of Polymers in Transmissive/Absorptive Electrochromic Devices and Doped Graphite  
 Dissertation Chair: D. B. Tanner
- Leandro Gomide Neves, Grau de Engenheiro Florestal, 2007, Magister Scientiae, 2009, Universidade Federal de Vicosa—Brazil  
 Major: *Plant Molecular and Cellular Biology*  
 Dissertation: Exome Sequencing for High-Throughput Genomic Analysis of Trees  
 Dissertation Chair: M. Kirst  
 Dissertation Co-chair: W. B. Barbazuk

- Robert Joseph Newton, Bachelor of Arts in Mathematics, 2007, Master of Arts in Mathematics, 2007,  
State University of New York at Potsdam; Master of Science, 2009, University of Florida  
Major: *Mathematics*  
Dissertation: On Lusternik-Schnirelmann Category of Connected Sums  
Dissertation Chair: Y. B. Rudyak
- Dung T. Nguyen, Engineer, 2008, Hanoi University of Technology—Vietnam  
Major: *Computer Engineering*  
Dissertation: Cascading Propagation and Optimization in Networks  
Dissertation Chair: M. T. Thai
- Lian Niu, Bachelor of Arts, 2003, Peking University—China; Master of Education, 2008, Beijing Normal University—China  
Major: *Higher Education Administration*  
Dissertation: Choosing an Undergraduate STEM Major: Family Socioeconomic Status, Individual, and Institutional Factors  
Dissertation Chair: L. S. Behar-Horenstein
- Sarah Elizabeth Madison Nolan, Bachelor of Science in Psychology, 2005, Davidson College—North Carolina; Master of Education,  
2008, Lynchburg College—Virginia; Master of Science, 2010, University of Florida  
Major: *Counseling Psychology*  
Dissertation: Personal and Cognitive Variables as Predictors of Engagement in Physical Activity Among a Culturally Diverse Sample of Older Adults  
Dissertation Chair: C. M. Tucker
- Samuel Elikem Kwame Nyamuame, Bachelor of Fine Arts, 2002, University of Ghana; Master of Arts, 2007,  
Wesleyan University—Connecticut  
Major: *Music*  
Dissertation: Performing Yeye: Dance Drumming, Songs and Rituals at Ave-Dakpa, Ghana  
Dissertation Chair: L. N. Crook
- Amanda M. N'zi, Bachelor of Science in Psychology, 2007, Milligan College—Tennessee; Master of Science, 2009, University of Florida  
Major: *Psychology—Clinical and Health Psychology*  
Dissertation: Child Directed Interaction Training with Kinship Foster Caregivers: An Evaluation of Parenting Outcomes and Caregiver Benefits  
Dissertation Chair: S. M. Eyberg
- Kathryn E. O'Brien, Bachelor of Science, 2009, Pennsylvania State University; Master of Science, 2010, University of Florida  
Major: *Materials Science and Engineering*  
Dissertation: Plasmonic MEMS Terahertz Generators  
Dissertation Chair: M. R. Davidson  
Dissertation Co-chair: P. H. Holloway
- Michael Alexander Odio, Bachelor of Science in Sport Management *cum laude*, 2007, University of Florida;  
Master of Science in Physical Education, 2009, Florida International University  
Major: *Health and Human Performance*  
Dissertation: The Role of the Internship in Career Decision-Making for TRSM Students  
Dissertation Chair: M. B. Sagas
- Hunhui Oh, Bachelor of Business Administration, 2001, Korea University—South Korea; Master of Science in Social Work, 2006,  
Case Western Reserve University—Ohio; Master of Arts, 2010, University of Florida  
Major: *Sociology*  
Dissertation: Wisdom and the Life Course: An Analysis of Life Course Factors Related to Laypeople's Conceptions of Wisdom  
Dissertation Chair: M. Ardel
- Matthew Elijah O'Reilly, Bachelor of Science, 2008, Lee University—Tennessee  
Major: *Chemistry*  
Dissertation: Designing Trianionic Pincer and Pincer-Type Ligands for Applications in Aerobic Oxidation, Ch Bond Activation, and  
Alkyne Metathesis  
Dissertation Chair: A. S. Veige
- Yuyuan Ouyang, Bachelor of Science, 2005, Beihang University—China; Master of Science, 2007, University of Calgary—Canada  
Major: *Mathematics*  
Dissertation: Optimal First Order Methods for a Class of Non-Smooth Convex Optimization with Applications to Image Analysis  
Dissertation Chair: Y. Chen
- Matias Alejandro Oyarzun, Bachelor of Science in Mechanical Engineering *cum laude*, 2005, Bachelor of Science in Aerospace  
Engineering *cum laude*, 2005, Master of Science, 2008, University of Florida  
Major: *Mechanical Engineering*  
Dissertation: On the Design and Optimization of Zero-Net Mass-Flux Actuators for Active Flow Control Applications  
Dissertation Chair: L. N. Cattafesta III

- Miguel Ramón Palaviccini, Bachelor of Science in Aerospace Engineering *cum laude*, 2006, Master of Science, 2008, University of Florida  
 Major: *Aerospace Engineering*  
 Dissertation: Control of Three-Dimensional Flow Over a Turret  
 Dissertation Chair: L. N. Cattafesta III
- Michael C. Parent, Bachelor of Arts honours, 2007, University of Manitoba—Canada; Master of Science, 2009, University of Florida  
 Major: *Counseling Psychology*  
 Dissertation: Content Mapping and Operationalization of Stereotypes About Lesbian Women, Gay Men, Bisexual Women, and Bisexual Men  
 Dissertation Chair: B. Moradi
- Yujeong Park, Bachelor of Arts, 2003, Pusan National University—South Korea; Master of Arts in Education, 2006, Seoul National University—South Korea  
 Major: *Special Education*  
 Minor: *Research and Evaluation Methodology*  
 Dissertation: The Roles of Cognitive and Language Abilities of Third Grade Students with Reading Disabilities in Responsiveness to Morphological Awareness Intervention  
 Dissertation Chair: M. T. Brownell
- Cathleen C. Pasia, Bachelor of Science in Psychology, 2007, Michigan State University; Master of Education, 2011, University of Florida  
 Major: *School Psychology*  
 Dissertation: Congruence Between Parents' and Early Childhood Educators' Perspectives About Child Development Using a Multi-Dimensional Screening Measure  
 Dissertation Chair: T. M. Smith-Bonahue  
 Dissertation Co-chair: P. A. Snyder
- Seema M. Patidar, Bachelor of Science in Psychology, 2006, University of North Carolina at Chapel Hill; Master of Science, 2010, University of Florida  
 Major: *Psychology—Clinical and Health Psychology*  
 Dissertation: Distress, Neuroimmune Dysregulation, and Clinical Outcomes in Women Undergoing Total Abdominal Hysterectomy and Bilateral Salpingo Oophorectomy for Suspected Endometrial Cancer  
 Dissertation Chair: D. B. Pereira
- Shilpa Patil, Bachelor of Physiotherapy, 2003, Devi Ahilya Vishvavidyalaya—India  
 Major: *Rehabilitation Science*  
 Minor: *Statistics*  
 Dissertation: Distinct Pattern of Walking Recovery Following Therapeutic Interventions Post-Stroke: Responders vs. Non-Responders  
 Dissertation Chair: C. Patten
- Rachel J. Pawlitz, Bachelor of Arts in Biology, 1997, Truman State University—Missouri; Master of Arts, 2002, Macquarie University—Australia  
 Major: *Interdisciplinary Ecology*  
 Dissertation: War of Words: Ecosystems, Equity, and Adaptive Management in America's Southeastern Water War  
 Dissertation Chair: K. Z. Schwartz
- Lu Peng, Bachelor of Science of Natural Sciences in Chemistry, 2008, University of Science and Technology—China  
 Major: *Chemistry*  
 Dissertation: Engineering and Applications of Molecular Recognition: Bioanalysis and Responsive Systems  
 Dissertation Chair: W. Tan
- Maureen K. Petterson, Bachelor of Science in Physics, 2006, University of California at Santa Cruz; Master of Science, 2011, University of Florida  
 Major: *Physics*  
 Dissertation: Nanostructured Carbon Nanotube Schottky Junction Solar Cells  
 Dissertation Chair: A. G. Rinzler
- Kien Trung Pham, Bachelor of Science, 2006, Professional Science Master in Applied Biosciences, 2008, University of Arizona  
 Major: *Medical Sciences—Physiology and Pharmacology*  
 Dissertation: Functions and Therapeutic Targeting of Chemokines and Chemokine Receptors in Glioblastoma Progression  
 Dissertation Chair: J. K. Harrison
- Nathaniel D. Poling, Bachelor of Arts, 2003, Master of Education, 2004, Milligan College—Tennessee  
 Major: *Curriculum and Instruction*  
 Dissertation: Collaboration, Teamwork, and Team Cohesion in a Starcraft 2 Digital Game-Based Course  
 Dissertation Chair: K. M. Dawson  
 Dissertation Co-chair: A. D. Ritzhaupt

- Emily J. Pollard, Bachelor of Science in Chemistry, 2007, Colorado State University  
 Major: *Chemistry*  
 Dissertation: Phosphopeptide Adsorption on Zirconium Phosphate and Phosphonate Materials  
 Dissertation Chair: D. R. Talham
- Yuri Andreiw Pompeu, Bachelor of Science in Chemistry, 2008, Murray State University—Kentucky  
 Major: *Chemistry*  
 Dissertation: Uncovering Stereocomplementarity in Two Alkene Reductases of the Oye Family  
 Dissertation Chair: J. D. Stewart
- Randi Sue Price, Bachelor of Science in Biochemistry, 2006, Purdue University—Indiana  
 Major: *Chemistry*  
 Dissertation: Excited State Properties of Organic and Organometallic Oligomers, Polymers, and Materials and Their Solid-State Applications  
 Dissertation Chair: K. S. Schanze
- Shaoyu Qi, Bachelor of Science, 2009, Nanjing University—China; Master of Science, 2013, University of Florida  
 Major: *Computer Engineering*  
 Dissertation: Image Retargeting and Smart Projectors  
 Dissertation Chair: J. Ho
- Rui Qing, Bachelor of Engineering, 2007, Tongji University—China; Master of Science, 2009, Master of Science, 2012, University of Florida  
 Major: *Materials Science and Engineering*  
 Dissertation: Electrochemical Performance Enhancement Via Structural and Electronic Property Modification in Lithium Ion Battery Electrodes  
 Dissertation Chair: W. M. Sigmund
- Jeremy J. Radachowsky, Bachelor of Science in Ecology and Evolutionary Biology *summa cum laude*, 1997, University of Connecticut; Master of Science in Environmental Science, 2002, Florida International University  
 Major: *Interdisciplinary Ecology*  
 Dissertation: Multi-Stakeholder Platforms for Conservation and Development in Complex Social-Ecological Systems  
 Dissertation Chair: G. Kiker
- Yuan Rao, Bachelor of Engineering, 2001, Master of Engineering, 2004, Zhejiang University—China; Master of Science, 2012, University of Florida  
 Major: *Electrical and Computer Engineering*  
 Dissertation: Input-Powered Interface Circuits for Electrodynamical Vibrational Energy Harvesting Systems  
 Dissertation Chair: D. Arnold
- Diana C. M. Reigelsperger, Bachelor of Arts *summa cum laude*, 2007, Flagler College—Florida; Master of Arts, 2009, University of Florida  
 Major: *History*  
 Dissertation: Interethnic Relations and Settlement on the Spanish Florida Frontier, 1668-1763  
 Dissertation Chair: I. L. Altman
- Julian Resasco, Bachelor of Science, 2006, University of Oklahoma at Norman  
 Major: *Zoology*  
 Dissertation: Environmental Changes Affecting Dominant Ant Species  
 Dissertation Chair: D. J. Levey
- Joseph C. Revelli, Bachelor of Science in Chemical Engineering, 2006, Carnegie Mellon University—Pennsylvania  
 Major: *Chemical Engineering*  
 Dissertation: Development of Group Iii/Nitride Nanostructures for a Novel Light-Emitting Diode  
 Dissertation Chair: T. J. Anderson
- Ashley L. Reynolds, Bachelor of Science in Nursing, 2006, Master of Science in Nursing, 2006, Jacksonville University—Florida  
 Major: *Nursing Sciences*  
 Minor: *Health and Behavior Interventions*  
 Dissertation: Age-Related Differences in Self-Efficacy and the Use of E-Health Supports for Exercise Behavior in Adults  
 Dissertation Chair: B. L. Roberts
- Thomas E. Reynolds Jr., Bachelor of Science in Business Administration, 2000, Master of Arts, 2001, University of Florida  
 Major: *Interdisciplinary Ecology*  
 Dissertation: Environmental Injustice and Urban Food Deserts: An Evaluation of Supermarket Accessibility in Tampa Bay, Florida  
 Dissertation Chair: M. T. Olexa
- Kharyssa Rhodes, Bachelor of Arts in Anthropology *summa cum laude*, 1995, Rhode Island College; Master of Arts in Anthropology, 2000, University of Colorado at Denver  
 Major: *Anthropology*  
 Dissertation: Historical Consciousness, National Identity, and the Legacy of Colonial Era Anthropological Discourse in Contemporary Uganda  
 Dissertation Chair: S. D. Gillespie

- Stacey M. Rice, Bachelor of Arts in Psychology, 2005, Bachelor of Communication, 2005, Rutgers University at New Brunswick—New Jersey; Master of Arts in Child Advocacy, 2007, Montclair State University—New Jersey; Master of Education, 2011, University of Florida  
Major: *School Psychology*  
Dissertation: The Relationship Between Nonsuicidal Self-Injury (NSSI) and Psychosocial Functioning in College Students  
Dissertation Chair: N. L. Waldron  
Dissertation Co-chair: D. Joyce
- Trevor J. Richards, Bachelor of Science, 2006, Master of Science, 2009, University of Florida  
Major: *Mathematics*  
Dissertation: On Level Curves and Conformal Equivalence of Meromorphic Functions  
Dissertation Chair: M. Jury
- Hyejoon Rim, Bachelor of Arts, 2000, Hankuk University of Foreign Studies—South Korea; Master of Arts, 2004, Korea University—South Korea; Master of Science, 2009, Syracuse University—New York  
Major: *Mass Communication*  
Dissertation: Proactive Versus Reactive CSR in a Crisis: The Role of Perceived Altruism on Corporate Reputation  
Dissertation Chair: M. Ferguson
- Allison Marie Rittmayer, Bachelor of Arts *magna cum laude*, 2007, Master of Arts in English, 2009, Bucknell University—Pennsylvania  
Major: *English*  
Dissertation: The Cinema of Atrocities: Torture and State Violence on Film  
Dissertation Chair: M. C. Turim
- Lucas B. Rodesiler, Bachelor of Arts in Criminal Justice, 2000, Master of Arts, 2007, Michigan State University  
Major: *Curriculum and Instruction*  
Dissertation: Portraits of Participation: Exploring Secondary English Teachers' Professionally Oriented Participation Online  
Dissertation Chair: B. G. Pace
- Nicole C. Rodney, Bachelor of Arts, 2006, New York University; Master of Public Health, 2010, Master of Arts, 2010, University of Florida  
Major: *Anthropology*  
Dissertation: A Biocultural Study of Intergenerational Health, Illness, and the Politics of Aid in the Democratic Republic of Congo From 2009-2012  
Dissertation Chair: C. J. Mulligan
- Joysee Mariela Rodriguez Baide, Titulo de Ingeniera Agronoma, 2001, Escuela Agricola Panamerica—Honduras; Master of Science in Rural Sociology, 2005, Auburn University—Alabama  
Major: *Interdisciplinary Ecology*  
Dissertation: Adaptation to Climate Variability in Calakmul, Campeche, Mexico: Bridging Disciplines and Scales with Scenario-Based Integrative Modeling  
Dissertation Chair: G. Kiker  
Dissertation Co-chair: E. Keys
- Ryan T. Roemmich, Bachelor of Science in Biosystems Engineering, 2009, University of Nebraska at Lincoln  
Major: *Health and Human Performance*  
Dissertation: Effects of Dopaminergic Therapy on Locomotor Adaptation and Adaptive Learning in Persons with Parkinson's Disease  
Dissertation Chair: C. J. Hass
- Christopher Adam Rokicki, Bachelor of Science in Environmental Engineering *cum laude*, 2008, Master of Engineering, 2010, University of Florida  
Major: *Environmental Engineering Sciences*  
Dissertation: The Regeneration and Fouling of Anion Exchange Resins  
Dissertation Chair: T. H. Boyer
- Andrew N. Romich, Bachelor of Science in Industrial and Systems Engineering *summa cum laude*, 2008, Master of Science, 2010, University of Florida  
Major: *Industrial and Systems Engineering*  
Dissertation: Mixed-Integer Nonlinear Analysis and Algorithms for Spatial Network Interdiction Problems  
Dissertation Chair: J. Smith  
Dissertation Co-chair: G. Lan
- Robert Warren Rooney, Bachelor of Science in Engineering, 1999, Arizona State University; Master of Engineering, 2005, University of Florida  
Major: *Agricultural and Biological Engineering*  
Dissertation: Finding Physical Connections in a Statistical Model: Using Global Uncertainty and Sensitivity Analysis on a Multiple Predictor Analog Methodology for Downscaling and Bias Correcting Precipitation Forecasts  
Dissertation Chair: C. J. Martinez

- MacKenzie Moon Ryan, Bachelor of Arts in Art History *magna cum laude*, 2006, Bachelor of Arts in History, 2006, Hamline University—Minnesota; Master of Arts, 2008, University of Florida  
 Major: *Art History*  
 Dissertation: The Global Reach of a Fashionable Commodity: A Manufacturing and Design History of Kanga Textiles  
 Dissertation Chair: V. Rovine
- Danial Sabri Dashti, Bachelor's Degree, 2003, University of Kashan—Iran; Master of Science, 2007, Sharif University of Technology—Iran  
 Major: *Physics*  
 Dissertation: Developing and Optimizing the Replica Exchange-Based Free Energy Methods  
 Dissertation Chair: A. E. Roitberg
- Bijoyraj Sahu, Bachelor of Engineering in Mechanical Engineering, 2003, Biju Patnaik University of Technology—India; Master of Science, 2010, University of Florida  
 Major: *Mechanical Engineering*  
 Dissertation: Design, Fabrication, and Characterization of a Scanning Probe Microscopy Cantilever with an Integrated Electrothermally Actuated Microgripper for Automated Tool-Tip Exchange  
 Dissertation Chair: C. Taylor
- Younis A. Salmean, Bachelor of Science, 2005, California State University at Fresno; Master of Science, 2008, University of Florida  
 Major: *Food Science and Human Nutrition*  
 Dissertation: The Effects of Added Fiber to the Diets of Chronic Kidney Disease Patients on Quality of Life, Clinical Markers, and Gastrointestinal and Kidney Function  
 Dissertation Chair: W. J. Dahl
- Sean Robert Samuelson, Bachelor of Science in Electrical Engineering, 2007, Master of Science, 2009, University of Florida  
 Major: *Electrical and Computer Engineering*  
 Dissertation: MEMS Electrothermal Actuators in Guided and Unguided Fourier Transform Spectroscopy Systems  
 Dissertation Chair: H. Xie
- Viswanath Sankar, Bachelor of Engineering in Electrical and Electronics Engineering, 2003, University of Madras—India; Master of Science in Electrical and Computer Engineering, 2006, University of Illinois at Chicago  
 Major: *Electrical and Computer Engineering*  
 Dissertation: Investigation and Mitigation of Abiotic Factors Affecting Reliability of Microelectrode Arrays in Chronic Neural Implants  
 Dissertation Chair: T. Nishida
- Timothy S. Sannes, Bachelor of Arts in Psychology, 2004, University of North Carolina at Chapel Hill; Master of Science, 2009, University of Florida  
 Major: *Psychology—Clinical and Health Psychology*  
 Dissertation: Cortisol Dysregulation and Mood Disturbance in Women Undergoing Surgery for Endometrial Cancer  
 Dissertation Chair: D. B. Pereira
- Sabuhi Hidayat Sardarli, Bachelor of Business Administration, 2005, Pittsburg State University—Pennsylvania; Master of Business Administration, 2006, University of Missouri at Columbia  
 Major: *Business Administration—Finance*  
 Dissertation: Essays in Retirement Plans and Mutual Funds  
 Dissertation Chair: M. D. Ryngaert  
 Dissertation Co-chair: A. Naranjo
- Tatiana Orozco Schember, Bachelor of Science in Psychology *cum laude*, 2008, Arizona State University; Master of Science, 2010, University of Florida  
 Major: *Psychology*  
 Dissertation: Evaluations of Prejudice and Stereotype Research: How Do People View the Validity of Psychological Science and Scientists?  
 Dissertation Chair: G. D. Webster
- Samuel Charles Schramski, Bachelor of Arts in American Studies, 2006, University of California at Berkeley; Master of Arts, 2009, University of Florida  
 Major: *Interdisciplinary Ecology*  
 Dissertation: Socio-Ecological Resilience and Climate Change Adaptation in Rural South Africa: Network, Temporal, and Agrarian Dimensions  
 Dissertation Chair: G. Barnes
- Benjamin Maurice Schulze, Bachelor of Science in Chemistry, 2007, United States Air Force Academy—Colorado  
 Major: *Chemistry*  
 Dissertation: Rational Design of One-Dimensional Columnar Self-Assembled Nanostructures for Applications as Organic Semiconductive Materials  
 Dissertation Chair: R. K. Castellano

- Michael Lee Schwieterman, Bachelor of Science, 2008, Miami University—Ohio  
 Major: *Plant Molecular and Cellular Biology*  
 Dissertation: Metabolic Analysis, Environmental Factors, and Transgenic Approaches to Understanding Strawberry (*Fragaria X Ananassa*) Flavor  
 Dissertation Chair: D. G. Clark
- Megan Gittinger Seifert, Bachelor of Science in Wildlife Science, 2004, Virginia Polytechnic Institute and State University  
 Major: *Zoology*  
 Dissertation: Plant Armament as Model Traits to Study the Ecology and Evolution of Plant Defense  
 Dissertation Chair: T. Palmer
- Anu Sharma, Bachelor of Education, 1998, Panjab University—India; Master of Science in Mathematics, 2007, Himachal Pradesh University—India  
 Major: *Curriculum and Instruction*  
 Dissertation: Associations Between Self-Efficacy Beliefs, Self-Regulated Learning Strategies, and Students' Performance on Model-Eliciting Tasks: An Examination of Direct and Indirect Effects  
 Dissertation Chair: S. J. Pape  
 Dissertation Co-chair: T. L. Adams
- Alexander F. Shenkin, Bachelor of Science, 1994, University of California at San Diego; Master of Engineering in Electronic Engineering, 2001, University of Colorado at Boulder; Master of Science in Environmental Science, 2006, Yale University—Connecticut  
 Major: *Interdisciplinary Ecology*  
 Dissertation: Fates of Trees and Forests in Bolivia Subjected to Selective Logging, Fire, and Climate Change  
 Dissertation Chair: F. E. Putz
- Herschel E. Shepard, Bachelor in English Literature, 1995, University of North Florida; Master of Arts, 2003, University of Florida  
 Major: *English*  
 Dissertation: Saved by Zero: Sovereignty and (Super)Heroics after 9/11  
 Dissertation Chair: J. P. Leavey
- Jiangli Shi, Bachelor of Science, 2004, Master of Science, 2007, Shanghai Jiaotong University—China  
 Major: *Mathematics*  
 Dissertation: Statistical Dependence Measure Based Multi-Model Image Registration and Registration-Assisted Non-Parametric Image Segmentation  
 Dissertation Chair: Y. Chen
- Matthew C. Shields, Bachelor of Science in Aerospace Engineering Sciences, 2010, Master of Science in Aerospace Engineering Sciences *magna cum laude*, 2010, University of Colorado at Boulder  
 Major: *Aerospace Engineering*  
 Dissertation: The Effects of Roll Stall on the Stability and Control of Low Aspect Ratio Wings  
 Dissertation Chair: K. Mohseni
- Lin Shou, Bachelor of Engineering, 2005, Master of Engineering, 2007, Zhejiang University—China  
 Major: *Environmental Engineering Sciences*  
 Dissertation: Diffusional Release of Pollutants into Ambient Air and Method for Enhancing Diffusional Collection in Air Sampling  
 Dissertation Chair: C. Wu
- Reebie Kay-Elaine Simms, Bachelor of Science in Civil Engineering *summa cum laude*, 2008, Master of Engineering, 2011, University of Florida  
 Major: *Civil Engineering*  
 Dissertation: Characterizing Healable and Non-Healable Micro-Damage in Asphalt Mixture  
 Dissertation Chair: R. Roque
- Chester Kent Simocko, Bachelor of Science in Chemistry, 2008, Rensselaer Polytechnic Institute—New York  
 Major: *Chemistry*  
 Dissertation: Application of Boron in Olefin Metathesis  
 Dissertation Chair: K. B. Wagener
- Lindsay A. Sinclair, Bachelor of Science (Nuclear Engineering Sciences) *cum laude*, 2007, Master of Science, 2009, University of Florida  
 Major: *Biomedical Engineering*  
 Dissertation: A Method Correlating Patient-Specific Parameters with Direct Measurements in Cadaveric Subjects to Estimate Organ Doses in Computed Tomography  
 Dissertation Chair: M. M. Arreola
- Abhishek Kumar Singh, Bachelor of Technology in Mechanical Engineering, 2006, Aligarh Muslim University—Iran  
 Major: *Mechanical Engineering*  
 Dissertation: Multi-Scale, Multi Physics Modeling of Thermo-Chemical Iron/Iron Oxide Cycle for Fuel Production  
 Dissertation Chair: J. F. Klausner  
 Dissertation Co-chair: J. Petrasch



- Savyasachi Singh, Bachelor of Technology in Electronics and Communication Engineering, 2005, Vellore Institute of Technology—India;  
 Master of Science, 2007, University of Florida  
 Major: *Electrical and Computer Engineering*  
 Dissertation: Automatic Evaluation of Disordered Speech  
 Dissertation Chair: J. G. Harris
- Martijn Slot, Titel Ingenieur, 2003, Wageningen Universiteit—Netherlands; Master of Environmental Studies, 2004,  
 University of York—United Kingdom  
 Major: *Botany*  
 Dissertation: Temperature Responses of Leaf Dark Respiration in the Upper Tropical Forest Canopy and Their Implications for Tropical  
 Forest Carbon Balance  
 Dissertation Chair: K. Kitajima
- Anthony O'Neal Smith, Bachelor of Science in Computer Information Systems, 2000, Clemson University—South Carolina;  
 Master of Science, 2004, Webster University—Missouri  
 Major: *Computer Engineering*  
 Dissertation: A Category Space Approach to Supervised Learning  
 Dissertation Chair: A. Rangarajan
- Stephanie Garey Smith, Bachelor of Arts in Psychology, 2007, Towson University—Maryland; Master of Science, 2010, University of Florida  
 Major: *Psychology—Clinical and Health Psychology*  
 Dissertation: A Model for Examining Psychosocial, Immune, and Endocrine Factors Affecting Wound Healing in Women Undergoing  
 Surgery for Endometrial Cancer  
 Dissertation Chair: D. B. Pereira
- Jennifer K. Snyder, Artium Baccalaureus, 2004, University of Georgia; Master of Arts, 2006, University of Florida  
 Major: *History*  
 Dissertation: Black Flight: Tracing Black Refugees Throughout the Revolutionary Atlantic World 1775-1812  
 Dissertation Chair: J. Sensbach  
 Dissertation Co-chair: J. L. Harland-Jacobs
- Sangdon So, Bachelor of Engineering, 2001, Master of Engineering, 2003, Chonbuk National University—South Korea; Master of Science,  
 2009, University of Florida  
 Major: *Civil Engineering*  
 Dissertation: Cross-Shelf Exchange Flow Over the West Florida Inner Shelf  
 Dissertation Chair: A. Valle-Levinson  
 Dissertation Co-chair: L. H. Motz
- Doori Song, Bachelor of Business Administration, 2007, Dankook University—South Korea; Master of Arts in Advertising, 2009,  
 Michigan State University  
 Major: *Mass Communication*  
 Dissertation: Effects of Goal Compatibility: Matching Consumer Motivations and Advertising Appeals  
 Dissertation Chair: C. R. Morton  
 Dissertation Co-chair: J. C. Sutherland
- Christopher Nicholas Sozda, Bachelor of Science in Psychology *magna cum laude*, 2006, University of Pittsburgh—Pennsylvania;  
 Master of Science, 2009, University of Florida  
 Major: *Psychology—Clinical and Health Psychology*  
 Dissertation: Disruption of Attentional Processing in Closed Head Injury: An Event-Related Potential Investigation  
 Dissertation Chair: W. Perlstein
- Vibhava Srivastava, Bachelor of Technology in Agricultural Engineering, 2003, Allahabad Agricultural Institute—India;  
 Master of Science in Biological Engineering, 2006, University of Arkansas  
 Major: *Agricultural and Biological Engineering*  
 Dissertation: Geologic, Vegetative, and Climatic Controls on Coupled Hydrologic Processes in a Complex River Basin: Lessons Learned  
 From a Fully Integrated Hydrologic Model  
 Dissertation Chair: W. D. Graham
- David Arthur Baruch Stanley, Bachelor of Applied Science, 2007, Master of Applied Science, 2009, University of Toronto—Canada  
 Major: *Biomedical Engineering*  
 Dissertation: Hippocampal Circadian Rhythms in Temporal Lobe Epilepsy  
 Dissertation Chair: P. R. Carney  
 Dissertation Co-chair: S. Talathi

- Walter J. Starr, Bachelor of Science in Biology, 1967, Iona College—New York; Master of Business Administration, 1972, Southern Illinois University at Carbondale  
 Major: *Mass Communication*  
 Dissertation: Sports-Celebrity Endorser: The Emotional Response  
 Dissertation Chair: J. D. Morris
- Richard Craig Stehle, Bachelor of Science in Mechanical Engineering, 2009, University of Miami—Florida; Master of Science, 2011, University of Florida  
 Major: *Mechanical Engineering*  
 Dissertation: Investigation of Iron Oxidation Kinetics for Solar-Fuel Production Via Chemical Looping  
 Dissertation Chair: D. W. Hahn
- Katrina Moore Stone, Bachelor of Arts *cum laude*, 2004, Master of Education, 2011, University of Florida  
 Major: *School Psychology*  
 Dissertation: Critical Incidents with Inclusion: Experiences of Head Start Teachers  
 Dissertation Chair: T. M. Smith-Bonahue
- Matthew Strasberg, Bachelor of Science in Engineering Physics, 2007, Cornell University—New York  
 Major: *Materials Science and Engineering*  
 Dissertation: Understanding Fracture in Brittle Materials by Connecting Macroscopic Observations and Quantum Theory  
 Dissertation Chair: J. J. Mecholsky
- Kevin Yannick Emanuel Strehler, Bachelor of Science in Biology, 2009, Minnesota State University at Mankato  
 Major: *Medical Sciences—Physiology and Pharmacology*  
 Dissertation: Complications of Leptin and Serotonin Agonist Therapy in Regulation of Food Intake and the Promise of Wheel Running Intervention in Rats  
 Dissertation Chair: P. J. Scarpace
- Jillian Claire Stupiansky, Bachelor of Science in Mathematics, 2007, Birmingham-Southern College—Alabama; Master of Science, 2009, University of Florida  
 Major: *Mathematics*  
 Dissertation: Mathematical Modeling of Citrus Greening  
 Dissertation Chair: S. Pilyugin
- Whitney L. Stutts, Bachelor of Science in Chemistry *magna cum laude*, 2007, North Carolina State University  
 Major: *Chemistry*  
 Dissertation: Characterizing, Identifying, and Imaging Oxidized Phospholipids by Matrix-Assisted Laser Desorption/Ionization Tandem Mass Spectrometry  
 Dissertation Chair: R. A. Yost
- Jing Sun, Bachelor of Science, 2005, Master of Science, 2008, Northwest University—China  
 Major: *Geography*  
 Minor: *Resilience in Landscape Ecology*  
 Dissertation: Quantitative Analysis of Deforestation Pattern Dynamics: Developing Forest Resilience Metrics in an Amazon Frontier  
 Dissertation Chair: J. Southworth
- Jason Matthew Swails, Bachelor of Arts in Chemistry *summa cum laude*, 2008, State University of New York at Binghamton  
 Major: *Chemistry*  
 Dissertation: Free Energy Simulations of Complex Biological Systems at Constant pH  
 Dissertation Chair: A. E. Roitberg
- Lawton K. Swan, Bachelor of Arts in Psychology *cum laude*, 2008, University of Central Florida; Master of Science, 2010, University of Florida  
 Major: *Psychology*  
 Dissertation: Public Attitudes Toward Therapy Framed by Common Factors and Specific Ingredients  
 Dissertation Chair: M. Heesacker
- Naqeebuddin Mujahid N. Syed, Bachelor of Engineering in Mechanical Engineering, 2005, Osmania University—India; Master of Science, 2007, King Fahd University of Petroleum and Minerals—Saudi Arabia  
 Major: *Industrial and Systems Engineering*  
 Dissertation: Optimization-Based Robust Methods in Data Analysis with Applications to Biomedicine and Engineering  
 Dissertation Chair: P. M. Pardalos
- Mark Aaron Tabone, Bachelor of Science in Biology *magna cum laude*, 1997, Master of Science in Zoology, 2000, Master of Arts in English, 2009, University of Maine  
 Major: *English*  
 Dissertation: The Politics of Utopia and Dystopia in Late Twentieth-Century Black Literature  
 Dissertation Chair: P. E. Wegner

- Jennifer Marie Tamargo, Bachelor of Arts in Psychology, 2004, University of North Florida; Master of Science, 2009, University of Florida  
 Major: *Psychology*  
 Dissertation: Cognitive Underpinnings of Preschoolers' Overimitation  
 Dissertation Chair: M. J. Farrar
- Chun-Ming Tang, Bachelor of Science, 2000, National Central University—Taiwan; Master of Science, 2002, National Tsing Hua University—Taiwan  
 Major: *Electrical and Computer Engineering*  
 Dissertation: Ultra Low Power Passive Transponders for Biomedical Microsystems  
 Dissertation Chair: R. Bashirullah
- Jared J. Tanner, Bachelor of Science in Psychology, 2004, Master of Science in Psychology, 2006, Brigham Young University—Utah  
 Major: *Psychology—Clinical and Health Psychology*  
 Dissertation: Verbal Memory in Idiopathic Non-Demented Parkinson's Disease: A Structural MRI and Quantitative White Matter Tractography Analysis  
 Dissertation Chair: C. Price
- Lawrence Joseph Tartaglia, Bachelor of Arts in Biology, 2003, Master of Science in Biology, 2007, Rutgers University—New Jersey  
 Major: *Medical Sciences—Biochemistry and Molecular Biology*  
 Dissertation: Biophysical Characterization of the Cellular Interactions of Adeno-Associated Virus Serotype 2  
 Dissertation Chair: M. Agbandje-McKenna
- Jennifer Marie Taylor, Bachelor of Science *summa cum laude*, 2006, Master of Science, 2010, University of Florida  
 Major: *Counseling Psychology*  
 Dissertation: The Development of the Professional Competencies Scale: An Assessment of Foundational, Functional, and Continuing Competencies for Psychotherapists  
 Dissertation Chair: G. J. Neimeyer
- Bethany Lynn Tennant, Bachelor of Science in Business Administration, 2002, University of North Carolina at Chapel Hill; Master of Science, 2010, University of Florida  
 Major: *Health and Human Performance*  
 Dissertation: Ehealth Literacy and Social Media Use Among Older Adults  
 Dissertation Chair: M. L. Stollefson
- Seyyed Amin Terouhid, Bachelor in Industrial Engineering, 2002, Master in Industrial Engineering, 2005, Amirkabir University—Iran; Master of Science, 2012, University of Florida  
 Major: *Design, Construction and Planning*  
 Dissertation: A Dynamic Decision Support System for Organizational Sustainability Excellence of Construction Firms  
 Dissertation Chair: R. J. Ries  
 Dissertation Co-chair: C. J. Kibert
- Matthew D. Thom, Bachelor of Science in Biology, 2006, University of Oregon  
 Major: *Entomology and Nematology*  
 Minor: *Wildlife Ecology and Conservation*  
 Dissertation: The Ecology and Conservation of *Callophrys Irus* Godart: The Role of Fire and Microhabitat  
 Dissertation Chair: J. Daniels
- Eric S. Thompson, Bachelor of Arts, 2002, New College of Florida; Master of Education, 2006, Specialist in Education, 2006, University of Florida  
 Major: *School Counseling and Guidance*  
 Dissertation: Rethinking Achievement Gaps in K-12 Schools: A Latent Growth Analysis of Biological, Social, and Contextual Determinants on Student Performance  
 Dissertation Chair: M. Daniels
- Valerie J. Trujillo, Bachelor of Arts, 2002, Master of Arts, 2005, University of New Mexico  
 Major: *Romance Languages—Spanish*  
 Dissertation: Listener and Speaker Effects on Dominant Language Perception and Language Ratings Among Heritage Speakers in New Mexico  
 Dissertation Chair: G. Lord
- 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
- Benjamin Thomas Valentine, Bachelor of Science in Telecommunication *cum laude*, 2003, Master of Arts, 2007, University of Florida  
 Major: *Anthropology*  
 Dissertation: Immigrant Identity in the Indus Civilization: A Multi-Site Isotopic Mortuary Analysis  
 Dissertation Chair: J. S. Krigbaum

- Julia Rae Varnes, Bachelor of Science in Health Science Education *cum laude*, 2002, Master of Health Science Education, 2003, University of Florida; Master of Public Health, 2008, University of Maryland at College Park  
 Major: *Health and Human Performance*  
 Minor: *Research and Evaluation Methodology*  
 Dissertation: Body Image Disturbance, Objectification, and College Women: Comparing Collegiate Female Athletes and Non-Athletes  
 Dissertation Chair: M. L. Stollefson
- Diane C. Villanueva, Bachelor of Science in Aerospace Engineering *cum laude*, 2008, Master of Science, 2011, University of Florida  
 Major: *Aerospace Engineering*  
 Dissertation: Reliability-Based Design Including Future Tests and Multi-Agent Approaches  
 Dissertation Chair: R. T. Haftka  
 Dissertation Co-chair: B. V. Sankar
- Clare Frances Walsh, Bachelor of Science in Forest Resources and Conservation, 1982, University of Florida; Master of Science in Education, 1990, University of Kansas; Master of Arts in Women's Studies, 2007, University of South Florida  
 Major: *Sociology*  
 Dissertation: We Are Different, But We Want the Same Rights: An Intersectional Analysis of Black Lesbians Who Are Parenting in North Florida  
 Dissertation Chair: K. L. Broad  
 Dissertation Co-chair: M. Pena
- Jun Wang, Bachelor of Science in Engineering, 2006, Master of Science, 2009, Nankai University—China  
 Major: *Environmental Engineering Sciences*  
 Dissertation: Development and Assessment of a Novel Amorphous Silica Encapsulation Technology for Mitigating Biototoxicity of Welding Fume Particles  
 Dissertation Chair: C. Wu
- Shu Wang, Bachelor of Science, 2008, Beijing Normal University—China  
 Major: *Statistics*  
 Dissertation: Extending the Nadaraya-Watson Estimator for Data with Spatially Correlated Errors  
 Dissertation Chair: L. Young
- Yihai Wang, Bachelor of Agronomy, 2006, Agricultural University of Hebi—China; Master of Bio-Safety, 2009, Chinese Academy of Agricultural Sciences  
 Major: *Plant Molecular and Cellular Biology*  
 Dissertation: Kinetic and Genetic Analysis of Early Photomorphogenic Coaction in the Model Plant *Arabidopsis Thaliana*  
 Dissertation Chair: K. M. Folta
- Yuchen Huo Wang, Bachelor of Science in Materials Science and Engineering *summa cum laude*, 2009, Master of Science, 2011, University of Florida  
 Major: *Materials Science and Engineering*  
 Dissertation: Understanding the Surface Chemical and Mechanical Properties of Hydrogel Materials for Contact Lens Applications  
 Dissertation Chair: S. S. Perry
- Nathan Barasa Wangusi, Bachelor of Science in Agricultural and Biological Engineering *cum laude*, 2007, Master of Engineering, 2009, University of Florida  
 Major: *Agricultural and Biological Engineering*  
 Dissertation: Investigating the Relationship of Scale and Resilience in Integrated Water Resource Management in the Crocodile River, South Africa  
 Dissertation Chair: G. Kiker  
 Dissertation Co-chair: R. Munoz-Carpena
- Scott Joseph Wasman, Bachelor of Science in Civil Engineering, 2003, Master of Engineering, 2005, University of Florida  
 Major: *Civil Engineering*  
 Dissertation: Development of LRFD Load and Resistance Factors for External Stability of Mechanically Stabilized Earth Retaining Walls and Risk Assessment  
 Dissertation Chair: M. C. McVay
- Chi-hung Wei, Bachelor of Arts, 2000, Fu Jen Catholic University—Taiwan; Master of Arts, 2002, National Chengchi University—Taiwan  
 Major: *Political Science*  
 Dissertation: From Sanctions to Engagement: Norms and U.S. Economic Statecraft Toward China After Tiananmen  
 Dissertation Chair: A. A. Hozic
- Bradley A. West, Bachelor of Science, 1994, Master of Science, 1996, Illinois State University  
 Major: *Higher Education Administration*  
 Dissertation: Factors That Influence Doctoral Time to Degree: A Descriptive Analysis  
 Dissertation Chair: D. F. Campbell

- Matthew James Williams, Bachelor of Science in Engineering, 1998, University of Michigan at Ann Arbor; Master of Engineering, 2005, University of Florida  
 Major: *Biomedical Engineering*  
 Dissertation: Kidney Tissue Engineering Using Decellularized Organs and Pluripotent Stem Cells  
 Dissertation Chair: C. D. Batich
- Jonathan P. Wilson, Bachelor of Arts, 1992, Queen's University of Belfast—United Kingdom; Post Graduate Diploma, 1998, University of Ulster—United Kingdom; Master of Arts, 2008, University of Florida  
 Major: *Communication Sciences and Disorders*  
 Dissertation: Dual Task Effects on Language Production in Sentence and Discourse Contexts in Parkinson's Disease  
 Dissertation Chair: L. J. Altmann
- Robert Joshua Wingfield, Bachelor of Arts in Psychology, 2004, McDaniel College—Maryland; Master of Arts in Psychology, 2007, Towson University—Maryland  
 Major: *School Psychology*  
 Dissertation: An Investigation of Variables That Predict Parental Perceptions of Children's Weight Status: The Role of Demographics, Health-Related Quality of Life, and Weight-Related Information Received From Health Professionals  
 Dissertation Chair: N. L. Waldron
- Jeff Drayton Wolfgang, Bachelor of Science *cum laude*, 2003, Master of Education, 2008, Specialist in Education, 2008, University of Florida  
 Major: *Marriage and Family Counseling*  
 Dissertation: The Longitudinal Effect of Traumatic Stress and Attachment Difficulties on Academic Achievement for Young Children  
 Dissertation Chair: C. West-Olatunji
- Rachel Marie Wolkenhauer, Bachelor of Science, 2006, University of South Florida; Master of Education, 2010, University of Florida  
 Major: *Curriculum and Instruction*  
 Dissertation: Creating Space for Teacher Learning: Inquiring Into Professional Development in a Newly Designed 21<sup>st</sup> Century Community Learning Center  
 Dissertation Chair: N. L. Dana
- Xiong Xiong, Bachelor of Engineering, 2006, China Agricultural University; Master of Engineering, 2009, Chinese Academy of Sciences  
 Major: *Soil and Water Science*  
 Dissertation: Geo-Spatial Modeling of Soil Organic Carbon and Its Uncertainty  
 Dissertation Chair: S. Grunwald  
 Dissertation Co-chair: W. G. Harris
- Shuo Yang, Bachelor of Medical Science, 2000, Peking University—China; Master of Science in Pharmacy, 2005, Master of Science, 2008, University of Florida  
 Major: *Health Services Research*  
 Dissertation: Evaluating the Effect of the Enhanced Benefits Reward Program Participation on Florida Medicaid Utilizations and Expenditures  
 Dissertation Chair: J. S. Harman
- Yajie Yang, Bachelor of Science, 2006, Huazhong Agricultural University—China  
 Major: *Genetics and Genomics*  
 Dissertation: A Systems Biology Approach to Understanding Transcriptional Networks  
 Dissertation Chair: L. McIntyre  
 Dissertation Co-chair: R. Renne
- Yang Yang, Bachelor of Science, 2006, Nanjing University—China; Master of Philosophy, 2010, Hong Kong Polytechnic University; Master of Statistics, 2013, University of Florida  
 Major: *Geography*  
 Minor: *Econometrics*  
 Dissertation: Modeling Tourist Flows and Economic Impacts: A Spatial Perspective  
 Dissertation Chair: T. J. Fik
- Jason Eric Ybarra, Bachelor of Science in Physics, 2005, California State University at Sacramento; Master of Science in Physics, 2006, San Francisco State University—California; Master of Science, 2009, University of Florida  
 Major: *Astronomy*  
 Dissertation: Tracing Star Formation in the Rosette Molecular Cloud  
 Dissertation Chair: E. A. Lada
- Sunghwan Yeo, Bachelor of Science in Materials Science and Engineering, 2009, Illinois Institute of Technology; Master of Science, 2012, University of Florida  
 Major: *Materials Science and Engineering*  
 Dissertation: UO<sub>2</sub>-SiC Composite Reactor Fuels with Enhanced Thermal and Mechanical Properties Prepared by Spark Plasma Sintering  
 Dissertation Chair: R. H. Baney

- Hongwei Yu, Bachelor of Arts, 2006, Master of Management, 2009, Huazhong Agricultural University—China  
Major: *Higher Education Administration*  
Dissertation: The Effect of Part-Time Faculty on Students' Degree or Certificate Completion in Two-Year Community Colleges  
Dissertation Chair: D. F. Campbell
- 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
- Zheng Yuan, Bachelor of Engineering, 2006, Jilin University—China; Master of Engineering, 2009, Shanghai Jiaotong University—China  
Major: *Electrical and Computer Engineering*  
Dissertation: Advanced Video Processing Techniques in Video Transmission Systems  
Dissertation Chair: D. Wu
- Bo Zhang, Bachelor of Law, 2004, Bachelor of Architecture, 2004, Master of Architecture, 2006, Huazhong University of Science and Technology—China  
Major: *Design, Construction and Planning*  
Dissertation: The Aesthetic Attributes of Green Infrastructure: A Study of the Perceptions of Beauty, Ecological Significance, and Naturalness About a Stormwater Treatment Area by Three Populations with Different Educational Backgrounds  
Dissertation Chair: M. H. Carr
- Haili Zhang, Bachelor of Science, 2005, Henan Normal University—China; Master of Science, 2008, Beijing Normal University—China  
Major: *Design, Construction and Planning*  
Dissertation: Mathematical Modeling for Image Segmentation and Restoration  
Dissertation Chair: Y. Chen
- Lidong Zhang, Bachelor of Arts, 1999, Henan Normal University—China; Master of Literature, 2005, Shanghai Jiaotong University—China; Master of Arts in Education, 2011, University of Florida  
Major: *Research and Evaluation Methodology*  
Dissertation: Equating Using Unidimensional Dichotomous and Polytomous Irt Models for Testlet-Based Tests Under Common-Item Nonequivalent Groups Design  
Dissertation Chair: M. D. Miller
- Meng Zhang, Bachelor of Arts, 2005, Shanghai International Studies University—China; Master of Arts, 2008, San Francisco State University—California  
Major: *Mass Communication*  
Dissertation: Beauty Pageants in Neoliberal China: A Feminist Media Study of Feminine Beauty and Chinese Culture  
Dissertation Chair: C. Armstrong
- Shengying Zhang, Bachelor of Arts, 2004, National University—Singapore; Master of Education, 2007, University of Missouri at Columbia  
Major: *Counseling Psychology*  
Dissertation: Asian American Acculturation and Enculturation: Development of a Bilinear Multidimensional Operationalization  
Dissertation Chair: B. Moradi
- Min Zhong, Bachelor of Engineering, 2003, Harbin Institute of Technology—China; Master of Science, 2005, Pohang University of Science and Technology—South Korea  
Major: *Environmental Engineering Sciences*  
Dissertation: UV-Visible Light Absorption Properties of Organic Carbon Aerosol in Atmosphere  
Dissertation Chair: M. Jang
- Guizhi Zhu, Bachelor of Science, 2008, Nankai University—China  
Major: *Medical Sciences—Physiology and Pharmacology*  
Dissertation: Aptamer-Mediated DNA Nanomedicines for Targeted Cancer Theranostics  
Dissertation Chair: W. Tan
- Xuzhi Zhu, Bachelor of Science, 2009, Fudan University—China  
Major: *Chemistry*  
Dissertation: Conjugated Polyelectrolytes: Synthesis, Photophysics, Aggregation Studies and Sensor Applications  
Dissertation Chair: K. S. Schanze
- Katherine Ellen Zimmer, Bachelor of Arts in Elementary Education, 2002, Saint Leo University—Florida; Master of Education, 2007, University of Central Florida  
Major: *Special Education*  
Dissertation: Efficacy of Caregiver Training to Establish Joint Attention of Children with Autism  
Dissertation Chair: H. A. Jones

Justin Charles Zito, Bachelor of Science in Electrical Engineering *cum laude*, 2006, Master of Science, 2009, University of Florida

Major: *Electrical and Computer Engineering*

Dissertation: Investigation of Microscale Dielectric Barrier Discharge Plasma Devices

Dissertation Chair: D. Arnold

## DOCTOR OF EDUCATION

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Kellie Ann Bassell, Bachelor of Science, 1983, Boston College—Massachusetts; Master of Science, 2004, Florida Atlantic University; Specialist in Education, 2009, University of Florida

Major: *Curriculum and Instruction*

Dissertation: Digital Story Analysis Utilizing the Advancing Care Excellence for Seniors Framework

Dissertation Chair: E. W. Black

Meredith Baker Coughlin, Bachelor of Arts in Business Education, 2004, Master of Arts in Educational Leadership, 2005, University of Central Florida

Major: *Curriculum and Instruction*

Dissertation: High-Touch and High-Tech? Community College Advisors' Perceptions of Integrating Technology Into Quality Academic Advising

Dissertation Chair: S. Kumar

Heidi Rosa Fernandez, Bachelor of Arts *summa cum laude*, 2003, University of Florida; Master of Science Education, 2006, Walden University—Minnesota

Major: *Curriculum and Instruction*

Dissertation: A Qualitative Investigation of How Instructors Communicate with Students and the Tools They Use to Promote Dialogue in Online Post-Secondary Mathematics Courses

Dissertation Chair: E. W. Black

Mark W. Hart, Bachelor of Arts, 1997, Indiana University at Bloomington; Master of Arts in Liberal Studies, 2006, Loyola College in Maryland

Major: *Curriculum and Instruction*

Dissertation: Social Media and Public Health: Perspectives on Implementing a Social Media Presence for a Public Health Organization

Dissertation Chair: K. M. Dawson

Kristin Brand Heathcock, Bachelor of Science in Psychology, 1998, Master of Science in Library and Information Science, 2001, University of South Florida

Major: *Curriculum and Instruction*

Dissertation: Just-in-Case or Just-in-Time? An Examination of the Timing and Duration of an Online Embedded Librarian in an Online English Course

Dissertation Chair: S. Kumar

Susan Helvenston, Bachelor of Arts in Education, 1994, Saint Leo University—Florida; Master of Education, 2004, University of Florida

Major: *Special Education*

Dissertation: The State of Professional Development for Teachers of Beginning Readers in Florida's Rural Schools

Dissertation Chair: H. B. Lane

Katrina Marie Johnston, Bachelor of Science in Education, 1991, Edinboro University of Pennsylvania; Master of Science, 2009, Wilkes College—Pennsylvania

Major: *Curriculum and Instruction*

Dissertation: Implementation of a Technological Innovation: Factors Influencing the Adoption of a New Student Information System

Dissertation Chair: S. Kumar

Laura Suzanne Sawyer Lowder, Bachelor of Arts in Elementary Education, 2002, Pfeiffer University—North Carolina; Master of Education, 2006, Jones International University—Colorado

Major: *Curriculum and Instruction*

Dissertation: Building Technological, Pedagogical Content Knowledge (Tpack) Among Pre-Service Teachers in a Science Methods Course Using the Action Research Model

Dissertation Chair: K. M. Dawson

Deborah J. Marshall, Bachelor of Science in Nursing, 1976, Purdue University—Indiana; Master of Science in Nursing, 1990, University of South Florida; Master of Education, 2010, University of Florida

Major: *Curriculum and Instruction*

Dissertation: Adjunct Nursing Faculty Perceptions of and Reactions to Unethical or Dishonest Nursing Student Behaviors in the Classroom and Clinical Areas

Dissertation Chair: E. W. Black

Glenn Bertram Miller, Bachelor of Science, 1995, Southern Illinois University at Carbondale; Master of Arts in Organizational Management, 2000, University of Phoenix—Arizona

Major: *Higher Education Administration*

Dissertation: Assessing Leadership Attribute Development in a Higher Education Administration Doctoral Program

Dissertation Chair: D. F. Campbell

Ashley Brooke Pennypacker Hill, Bachelor of Arts in Education, 2003, Master of Education, 2004, University of Florida

Major: *Curriculum and Instruction*

Dissertation: Understanding and Enacting Self-Regulated Learning with Students Receiving Tier 3 Instruction in Reading: A Practitioner Inquiry Approach

Dissertation Chair: N. L. Dana

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## DOCTOR OF AUDIOLOGY

Ruthie R. Anfang  
Gillian Laura Bonang  
Naresh Durisala

Marisa Grittini  
Amy Kunnathur  
Kerry Lyon

Liza Jeanette Abano Robles  
Monica Wilkinson  
Matthew D. Williams

## DOCTOR OF PLANT MEDICINE

George Miller Fox

Annika Tashiba Minott  
Daniel Vernon Tompkins

Bonnie C. Wells

## DOCTOR OF NURSING PRACTICE

Dominique W. AlSaefer  
Mercy Ann Aviñó-Grandal

Linda C. Hauzer

Iris McKenzie Jackson  
Esther Webb Strockbine







## *Chain of Office*

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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*

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"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.



**UF**

2013 SUMMER  
COMMENCEMENT

## *Caps and Gowns, An Explanation*

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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 19<sup>th</sup> 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; Building Construction – Blue-Violet

Audiology – Colonial Blue

Business Administration, Accounting – Drab

Dentistry – Lilac

Education – Light Blue

Engineering – Orange

Fine Arts – Brown

Journalism and Communications – Garnet

Law – Purple

Liberal Arts – White

Liberal Sciences – Gold-Yellow

Medicine – Green

Music – Pink

Natural Resources and Environment – Antique Gold

Philosophy – Royal Blue

Public Health – Salmon-Pink

Rehabilitation Counseling – Nile Green

