

# Commencement

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



COMMENCEMENT

SPRING 2014

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80<sup>TH</sup> DOCTORAL CEREMONY

## 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 a third of its state allocation to annual budget cuts, UF is more comprehensive and dynamic than at any time in its 160-year history.

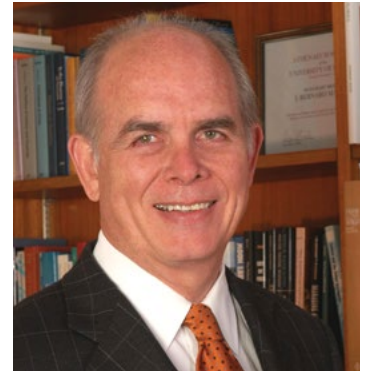
Milestones of Dr. Machen's tenure include:

- 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 their 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. Also, the UF Health 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, Dr. 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.

Dr. 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.

Dr. 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 2014, and to your family and friends.

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

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

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

Good luck and best wishes!

J. Bernard Machen

# University of Florida Leadership

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**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*

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*Vice President and Chief Information Officer - Information Technology*

**Zina Evans, Ph.D.**  
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**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*

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## DEANS OF THE UNIVERSITY

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

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

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

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

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

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

**Lucinda Lavelli, M.F.A.**  
*College of 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*

**Leonardo Villalón, 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 – Friday, April 25, 4:00 p.m.

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Presiding.....	J. Bernard Machen <i>University President</i>
Processional.....	Gainesville Brass Quintet
National Anthem.....	Ronald Burrichter Gainesville Brass Quintet
Welcome and Introductions.....	J. Bernard Machen
Awarding of Honorary Degree .....	J. Bernard Machen
Presented by.....	Joseph Glover <i>Provost and Senior Vice President for Academic Affairs</i>
Doctor of Commerce Presented to.....	John Harold Dasburg <i>Key Biscayne, Florida</i>
Doctor of Science Presented to .....	Jens Oddershede <i>Denmark</i>
Doctor of Fine Arts Presented to .....	Magdalene Anyango Namakhiya Odundo <i>United Kingdom</i>
Commencement Address .....	J. Bernard Machen
Presenting Candidates for Doctoral Degrees .....	Henry Frierson <i>Dean, Graduate School</i>
Conferring of Doctoral Degrees .....	Jason J. Rosenberg <i>Member, Board of Trustees</i>
Alma Mater .....	Ronald Burrichter Gainesville Brass Quintet
Platform Party 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).

# Honorary Degree – Doctor of Commerce

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## John Harold Dasburg

Businessman John H. Dasburg is one of the University of Florida's most accomplished graduates. He has fashioned a celebrated business career over a span of almost 40 years, during which he has utilized business savvy, unwavering resolve and a positive approach to lead and resurrect some of the nation's largest and most preeminent corporations. With a record of accomplishment as a business leader along with his service to his community and to the university, Mr. Dasburg is being recognized with the honorary degree of Doctor of Commerce.

Mr. Dasburg is the chairman, chief executive officer and co-owner of ASTAR USA LLC, an air freight service company. Previously he was chairman, president and CEO of Burger King Corp. where he led a turnaround of the nation's second-largest burger chain that culminated in its 2002 sale.

While his tenure at Burger King was successful, his greatest career achievement may have come as the president and CEO of Northwest Airlines, at that time the world's fourth largest airline. From 1989 to 2001, he led Northwest Airlines from the verge of bankruptcy through one of the greatest transitions in the history of the U.S. airline industry, returning Northwest to profitability in 1994 for the first time in a decade. Prior to Northwest, Mr. Dasburg served in numerous executive positions, including president of Marriott's Lodging Group and executive vice president and CFO of Marriott Corp. He began his professional career at the accounting firm KPMG where he was named a partner in less than five years. Mr. Dasburg also served in the U.S. Navy for three years during the Vietnam War.

Receiving numerous awards for his business success and civic activities, Mr. Dasburg was named a White House Fellow by President George H.W. Bush in 1991. In 2001, he was a recipient of the Horatio Alger Award for Distinguished Americans and the Commercial Air Transport Laureate Award presented to leaders in aviation. In 1988, he was recognized with UF's Distinguished Alumnus Award.

Mr. Dasburg is a former member of the UF Board of Trustees and was vice chair of the State University System of the Florida Board of Governors. He



currently serves on the board of The Travelers Companies, where he is lead director, and on the advisory board of Trilantic Capital Partners. He formerly served on the boards of KLM Royal Dutch Airlines, Northwest Airlines, The Mayo Foundation and the Florida Council of 100. He is a life member of the UF Alumni Association and the UF Foundation Board of Directors.

Mr. Dasburg earned a bachelor in engineering degree and a master in business administration degree at the University of Florida. He also is a graduate of the Levin College of Law at UF. He and his wife, Mary Lou (JD '80), have been incredibly generous to their alma mater. Their gifts include funds for the construction of a new president's residence and Hough Hall, which houses the Hough Graduate School of Business at UF.

Investing in both faculty and students at the university along with an ongoing commitment to help UF become a Top 10 university, the Dasburgs endowed a professorship in corporate law at the Levin College of Law in 2004, created an endowment for scholarships for student athletes in 2008, endowed a business chair in the Warrington College of Business in 2011 and an endowed chair in engineering in 2013. The Dasburgs are UF's only donors to have established endowed chairs in three colleges.

The University of Florida is pleased to add the name of John H. Dasburg to its proud history of honorary degree recipients.

# *Honorary Degree – Doctor of Science*

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## **Jens Oddershede**

Danish chemist Jens Oddershede and the University of Florida have a long and fruitful relationship. For 30 years, Dr. Oddershede has been an adjunct or visiting professor in UF's chemistry department and has collaborated on numerous projects and papers with his UF colleagues. This is in addition to his other work as one of the world's leading scholars in his field.

Dr. Oddershede most recently served as president of the University of Southern Denmark and chairman of the Danish Rectors' Conference. In those roles, he has had considerable influence on higher education throughout the world, especially in Europe. His work as a theoretical chemist is well respected on the international stage and his connection to UF is deep.

Dr. Oddershede first came to UF as a visiting professor in 1981, and for more than three decades he worked alongside UF's chemistry and physics professors as an adjunct on the university's innovative Quantum Theory Project. He returned to UF in 1990 for a second appointment as a visiting professor. To further promote intercultural understanding between Denmark and the United States, Dr. Oddershede helped create a student exchange program with UF and his home university.

Those who know him best call Dr. Oddershede a "brilliant scientist" and praise him for his leadership and collaboration. His career in academia began in 1967 when he was hired as a teaching assistant at his alma mater of Aarhus University in Denmark. Later, in 1971, he moved to the United States to do postdoctoral work for two years at the University of Utah before returning to Aarhus University. In 1977, Dr. Oddershede joined Denmark's Odense University as a lecturer. In time, Odense University changed its name to the University of Southern Denmark and Dr. Oddershede was promoted to dean of engineering in 1992 and then president in 2001. He remained in that position until February 2014. As president, he transformed what had been a modest provincial university



into one of five major research universities in the Danish higher-education system.

As a theoretical chemist, Dr. Oddershede worked with UF scientists on some of the most difficult problems in molecular electronic structure theory. His pioneering research has helped scientists better understand the behavior of molecules. He has served in leading positions in Danish and other European scientific societies and is a fellow of the American Physical Society.

The University of Florida is honored to award this extraordinary chemist the honorary degree of Doctor of Science in recognition of his influential career in theoretical chemistry.



## *Honorary Degree – Doctor of Fine Arts*

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### **Magdalene Anyango Namakhiya Odundo**

Kenyan artist Magdalene Odundo's contributions to the art world have been extraordinary during her 40-year career. One of the most respected and celebrated ceramics artists, her relationship with the University of Florida is especially close. UF's Harn Museum of Art has featured her artwork; and during campus visits, Ms. Odundo has been extremely generous with her time, meeting with art students to encourage and inspire them.

Born in Nairobi, Kenya, Ms. Odundo was educated in India, Kenya and Britain. In 1976, she earned a bachelor's degree from West Surrey College of Art & Design, and four years later a master's degree from the Royal College of Art in London. She went on to teach in colleges in Europe, Africa and the United States, and is now a professor of ceramics at the University for the Creative Arts, Farnham, outside London.

In 2008, Ms. Odundo received one of the highest honors bestowed in the United Kingdom: appointment as an Officer of the Order of the British Empire on the Queen's Birthday Honours List for services to the arts and education. That same year, she received the prestigious African Art Recognition Award from the Detroit Art Institute. Among Ms. Odundo's numerous other honors are the African Heritage Art Gallery's Outstanding African Artist Award and being named a patron and trustee of the National Society for Education of Art & Design.

Over the span of her career, Ms. Odundo's artwork has been exhibited in more than 40 solo and 55 group exhibitions across the globe and is part of the permanent collections of many of the world's foremost museums, including the Smithsonian and New York's Metropolitan Museum.



Ms. Odundo is known as a tireless and passionate artist who is eager to share her love for her craft with others. She has been an artist-in-residence in a long array of schools and returns annually to Kenya to engage students and foster both education and art. Though hers is a household name in ceramics circles, Ms. Odundo's commitment to teaching and her lectures are what have made her an international ambassador for contemporary ceramics, colleagues say.

In acknowledgement of her contributions to the arts and her service as a mentor to future artists, the University of Florida recognizes Ms. Odundo today with the honorary degree of Doctor of Fine Arts.

# UF Graduate School

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



## Doctor of Philosophy

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

## Doctor of Education

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

## Doctor of Audiology

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

## Doctor of Plant Medicine

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

## Doctor of Physical Therapy

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

# 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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Ayman A. Abdellatif, Bachelor of Science in Chemical Engineering, 2002, Master of Engineering, 2008, University of Florida

Major: *Agricultural and Biological Engineering*

Dissertation: Performance Characterization of Dynamic Accumulation Method for Measuring the Oxygen Transmission Rate of Polymer Films Using Fluorescence Oxygen Detection

Dissertation Chair: B. A. Welt

Joshua Baiju Abraham, Bachelor of Science in Biology, 1992, Yale University—Connecticut; Master of Arts, 1996, West Virginia University

Major: *History*

Dissertation: From Scopes to Reagan: Presbyterians and the Persistence of Antievolution

Dissertation Chair: F. G. Gregory

Achala Acharya, Bachelor of Arts, 2008, Minnesota State University at Moorhead; Master of Arts, 2011, University of Florida

Major: *Economics*

Dissertation: Essays on Skill and Wage Distribution

Dissertation Chair: S. M. Slutsky

Juan José Acosta Jaramillo, Titulo de Ingeniero Forestal, 2004, Universidad Nacional de Colombia

Major: *Forest Resources and Conservation*

Minor: *Statistics*

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

Dissertation Chair: M. Kirst

Alison Eve Adams, Bachelor of Arts, 2001, Ursinus College—Pennsylvania; Master of Science, 2006, University of Florida

Major: *Sociology*

Dissertation: Protest on the Fence Line: Structure, Agency, and the Defense of Community Against Petrochemical Pollution

Dissertation Chair: K. L. Broad

Amanda Michelle Adams, Bachelor of Arts in Psychology, 2005, Emory University—Georgia; Master of Arts, 2008, University of Florida

Major: *Criminology, Law, and Society*

Dissertation: The Effects of Self-Control and Social Learning Variables on Deviance and Social Control in a Virtual World

Dissertation Chair: R. C. Hollinger

James Stephen Addcox, Bachelor of Arts in English *magna cum laude*, 2005, Texas A&M University; Master of Arts, 2008, University of Florida

Major: *English*

Dissertation: Memory and Legal Testimony in Victorian Literature

Dissertation Chair: P. K. Gilbert

Julius Babatunde Adewopo, Bachelor in Agricultural Technology, 2006, Federal University of Technology Akure—Nigeria; Master of Science in Forest Science, 2010, University of Arkansas at Monticello

Major: *Soil and Water Science*

Dissertation: Assessment of Long-Term Impacts of Management Intensification on Soil Carbon Dynamics in Subtropical Grasslands

Dissertation Chair: M. L. Silveira

Dissertation Co-chair: S. Gerber

Nima Afshar-Mohajer, Bachelor of Science, 2006, Master of Science, 2009, Sharif University of Technology—Iran

Major: *Environmental Engineering Sciences*

Dissertation: Control of Charged Lunar Dust Using Electrostatic Technologies

Dissertation Chair: C. Wu

- Nikita Agarwal, Bachelor of Engineering, 2005, University of Mumbai—India; Master of Science, 2008, University of Florida  
 Major: *Biomedical Engineering*  
 Dissertation: Novel Combination Multimodality System Using 1H Magnetic Resonance Spectroscopy and Hyperspectral Imaging to Study Hemoglobin Saturation and Tissue Metabolism in the Window Chamber Model  
 Dissertation Chair: P. R. Carney  
 Dissertation Co-chair: B. Sorg
- Meryl Joseph Alappattu, Bachelor of Science in Kinesiology in Exercise Science, 2005, Indiana University at Bloomington; Doctor of Physical Therapy, 2008, University of Florida  
 Major: *Rehabilitation Science*  
 Dissertation: Peripheral and Central Factors in Female Pelvic Pain  
 Dissertation Chair: M. D. Bishop
- Turkiyah H. Alenazy, Bachelor of Interior Architecture, 2000, King Faisal University—Saudi Arabia; Master of Fine Arts, 2007, Florida State University  
 Major: *Design, Construction, and Planning*  
 Dissertation: Changing Gender Roles and the Interior Layout of Houses in Kuwait: An Exploratory Multi-Method Case Study  
 Dissertation Chair: M. B. Portillo
- Dylan P. Alexander, Bachelor of Science in Aerospace Engineering *cum laude*, 2008, Master of Science, 2010, University of Florida  
 Major: *Aerospace Engineering*  
 Dissertation: Design, Reliability-Based Optimization, and Fabrication of a Piezoresistive Microelectromechanical Microphone with Back-Side Contacts for Aeroacoustics Applications  
 Dissertation Chair: M. Sheplak
- Mohsen Ali, Master of Computer Science, 2003, University of the Punjab—Pakistan; Master of Science, 2006, Lahore University of Management Sciences—Pakistan  
 Major: *Computer Engineering*  
 Dissertation: Deconstructive Learning  
 Dissertation Chair: J. Ho
- Kristin F. Allukian, Artium Baccalaureus, 2000, Mount Holyoke College—Massachusetts; Master of Arts in English, 2006, Trinity College—Connecticut  
 Major: *English*  
 Dissertation: Working to Become: Women, Work, and Literary Legacy in Late Nineteenth-Century American Women's Literature  
 Dissertation Chair: S. A. Smith
- José Miguel Almodóvar-Faria, Bachelor of Science in Electrical Engineering, 2006, University of Puerto Rico at Mayaguez; Master of Science in Electrical Engineering, 2008, University of Michigan at Ann Arbor; Master of Science, 2011, University of Florida  
 Major: *Electrical and Computer Engineering*  
 Dissertation: A Cognitive PHY-MAC Cooperative Protocol for Low-Power Short-Range Wireless Ad-Hoc Networks Using UWB PPM Radios  
 Dissertation Chair: J. Y. McNair
- Waleed A. Alrowsa, Bachelor in English Language, 1998, Al-Imam Muhammad Ibn Saud Islamic University—Saudi Arabia  
 Major: *Linguistics*  
 Dissertation: Question Formation in Mehri  
 Dissertation Chair: B. M. Henderson
- Naji Mordi Naji Al-Sawiyan Al-Dosary, Bachelor of Agricultural Science in Agricultural Engineering, 1993, Master of Science in Agricultural Engineering, 2005, King Saud University—Saudi Arabia; Master of Engineering, 2011, University of Florida  
 Major: *Agricultural and Biological Engineering*  
 Dissertation: Development of a Self-Propelled Citrus Canopy Shaker for Harvesting Semi-Dwarfed High Density Plantings  
 Dissertation Chair: T. F. Burks
- Yanbin An, Bachelor of Science, 2007, Nankai University—China; Master of Science, 2009, University of Florida  
 Major: *Electrical and Computer Engineering*  
 Dissertation: Electronic and Optoelectronic Device Applications of Carbon Based Nanomaterials Integrated With Silicon Technology  
 Dissertation Chair: A. Ural

- Christine Angelini, Bachelor of Science in Marine Biology, 2007, Brown University—Rhode Island  
Major: *Zoology*  
Dissertation: Facilitation Cascades as Drivers of Ecosystem Structure, Multi-Functionality, and Resilience  
Dissertation Chair: B. Silliman
- Stephen Hugo Arce, Bachelor of Science, 2005, Master of Engineering, 2008, University of Florida  
Major: *Chemical Engineering*  
Dissertation: Cell Shape  
Dissertation Chair: Y. Tseng
- Khadidja Arfi, Bachelor of Arts in Anthropology, 2006, Southern Illinois University at Carbondale; Master of Arts, 2008, University of Florida  
Major: *Anthropology*  
Dissertation: Algerians Remember: An Oral History French Colonial Encounter in Dellys Town and Villages  
Dissertation Chair: P. R. Schmidt
- Ishu Arpan, Bachelor of Physiotherapy, 2007, Guru Nanak Dev University—India  
Major: *Rehabilitation Science*  
Dissertation: Noninvasive Monitoring of Muscle Response to Disease Progression and Therapeutic Interventions in Duchenne Muscular Dystrophy Using MRI and MRS  
Dissertation Chair: K. Vandenborne
- Laura Matilde Avila Segura, Titulo de Ingeniero Agronomo, 2001, Universidad Escuela de Agricultura de la Region Tropical Humeda—Costa Rica; Master of Science, 2006, University of Florida  
Major: *Interdisciplinary Ecology*  
Dissertation: Stingless Bee Foraging Ecology in Tropical Agricultural Landscapes  
Dissertation Chair: H. G. Hall
- Cristina Bañuelos, Bachelor of Science in General Studies, 1998, Cornell University—New York; Master of Science in Biology, 2006, University of Texas  
Major: *Medical Sciences—Neuroscience*  
Dissertation: Gabergic Systems and Age-Related Cognitive Decline  
Dissertation Chair: J. L. Bizon
- Amey Anand Barde, Bachelor of Engineering, 2008, University of Pune—India  
Major: *Mechanical Engineering*  
Dissertation: Study of Oxidation and Reduction Reactions in Magnetically Stabilized Iron-Silica Porous Structures  
Dissertation Chair: J. F. Klausner
- Glenn E. Bean Jr., Bachelor of Science in Mechanical Engineering *cum laude*, 2009, University of Central Florida; Master of Science, 2011, University of Florida  
Major: *Materials Science and Engineering*  
Dissertation: The Effect of Niobium on Microstructure Development and Mechanical Behavior of High Niobium Titanium Aluminides  
Dissertation Chair: M. V. Manuel
- Joseph Alan Beatty, Bachelor of Arts, 2008, James Madison University—Virginia; Master of Arts, 2010, University of Florida  
Major: *History*  
Dissertation: “I Bear Witness”: An African’s Quest for Faith and Community in the Atlantic World  
Dissertation Chair: J. Sensbach
- Heather Louise Bell, Bachelor of Arts, 1997, University of Victoria—Canada; Master of Arts, 2008, Dalhousie University—Canada  
Major: *Health and Human Performance*  
Minor: *Sociology*  
Dissertation: Paddling Together: Women’s Team Sport Experiences and Relationships  
Dissertation Chair: H. J. Gibson
- Amber Elizabeth Benedict, Bachelor of Arts in Elementary Education, 2004, Master of Arts in Education, 2006, University of Northern Iowa  
Major: *Special Education*  
Dissertation: Learning Together: How the Aligned Lesson Study Cycle Can Support the Development of Teachers’ Holistic Knowledge  
Dissertation Chair: M. T. Brownell

Jennifer L. Bernatis, Bachelor of Science in Physical Education, 1994, Master of Science, 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  
Dissertation Co-chair: M. Brenner

Ankush Bhatia, Bachelor of Technology in Mechanical Engineering, 2006, Indian Institute of Technology Delhi—India

Major: *Mechanical Engineering*  
Dissertation: Single Framework Solution for Hypersonic and Thermal Ablation Problems Using Discontinuous Galerkin Finite Element Methods  
Dissertation Chair: S. Roy

Brendan J. Bialy, Bachelor of Science in Aeronautical Engineering, 2010, Clarkson University—New York; Master of Science, 2012, University of Florida

Major: *Aerospace Engineering*  
Dissertation: Lyapunov-Based Control of Limit Cycle Oscillations in Uncertain Aircraft Systems  
Dissertation Chair: W. E. Dixon

Steven T. Bird, Doctor of Pharmacy, 2010, Northeastern University—Massachusetts; Master of Science in Pharmacy, 2012, University of Florida

Major: *Pharmaceutical Sciences—Pharmaceutical Outcomes and Policy*  
Dissertation: Self-Controlled Methodology in Pharmacoepidemiology: The Case Time Control and Self-Controlled Case Series  
Dissertation Chair: A. G. Hartzema

Archie Grover Birkner IV, Bachelor of Music in Music Education *cum laude*, 2001, Master of Music, 2003, University of Florida

Major: *Music Education*  
Dissertation: Creation and Validation of a High School Student Conductor Curriculum  
Dissertation Chair: R. L. Robinson  
Dissertation Co-chair: D. A. Waybright

Suvendu Biswas, Master of Science, 2008, Indian Institute of Technology—India

Major: *Chemistry*  
Dissertation: Strategic Synthesis of Peptides, Labeled Peptides, and Peptidomimetics  
Dissertation Chair: A. S. Aponick

Susanna Whitman Blair, Bachelor of Arts, 2003, Colgate University—New York; Master of Science, 2006, University of Florida

Major: *Geology*  
Dissertation: Trace Metal Trends and Implications From Florida Lake Sediments  
Dissertation Chair: M. Brenner

Erik M. Blosser, Bachelor of Science in Engineering, 2007, Messiah College—Pennsylvania

Major: *Entomology and Nematology*  
Dissertation: Testing Plasticity of Developmental Strategy in the Aquatic Dipteran Larvae of *Corethrella Appendiculata*  
Dissertation Chair: L. P. Lounibos

Jessica Marie Blythe, Bachelor of Science in Horticulture, 2005, University of Connecticut; Master of Science, 2007, University of Florida

Major: *Agricultural Education and Communication*  
Dissertation: The Influence of a Train-the-Trainer Professional Development Model on Teacher Perceptions of Science Integration and Inquiry-Based Instruction  
Dissertation Chair: B. E. Myers

Christopher D. Boone, Bachelor of Science, 2006, Master of Science in Chemistry, 2009, University of North Carolina at Charlotte

Major: *Medical Sciences—Biochemistry and Molecular Biology*  
Dissertation: Rational Design of a Thermal Stable Variant of Human Carbonic Anhydrase II  
Dissertation Chair: R. McKenna

Stéphanie Borios, Licence, 2000, Maitrise, 2002, Université Montpellier—France; Master of Science in Ethnobotany, 2003, University of Kent—United Kingdom

Major: *Anthropology*  
Dissertation: Children's Social Learning of Plants in the Peruvian Andes  
Dissertation Chair: A. Oyuela-Caycedo

- Bret Michael Boyd, Bachelor of Science *cum laude*, 2008, University of Florida  
 Major: *Genetics and Genomics*  
 Dissertation: Bacterial Symbiosis With Parasitic Lice  
 Dissertation Chair: D. L. Reed
- Judith Leat Bragger, Bachelor of Arts *summa cum laude*, 2007, Master of Arts, 2009, University of Florida  
 Major: *Sociology*  
 Dissertation: Jewish Sorority Women Develop Jewish Identity in the College Environment  
 Dissertation Chair: R. Bures  
 Dissertation Co-chair: T. Koropecykj-Cox
- Otonye H. Braide, Bachelor of Arts, 2004, Lincoln University—Pennsylvania; Master of Science in Chemistry, 2007, Georgia Institute of Technology  
 Major: *Chemistry*  
 Dissertation: Monitoring the Effects of Synthetic Lung Surfactant Peptides on Lipid Bilayer Dynamics and Fluidity  
 Dissertation Chair: G. E. Fanucci
- Jason Scott Broach, Bachelor of Science in Biology *summa cum laude*, 2007, Erskine College—South Carolina; Master of Science, 2009, Auburn University—Alabama  
 Major: *Fisheries and Aquatic Sciences*  
 Dissertation: Spawning, Egg Incubation, and Larval Culture of Two Marine Fish, Pinfish, *Lagodon Rhomboides*, and Pigfish, *Orthopristis Chrysoptera*  
 Dissertation Chair: C. Ohs  
 Dissertation Co-chair: D. Petty
- Austin Jay Brockmeier, Bachelor of Science, 2009, University of Nebraska at Omaha  
 Major: *Electrical and Computer Engineering*  
 Dissertation: Learning and Exploiting Recurrent Patterns in Neural Data  
 Dissertation Chair: J. C. Principe
- Susan Brantlee Broome, Bachelor of Science in Nursing, 1999, Clemson University—South Carolina; Master of Science in Nursing, 2009, Jacksonville University—Florida  
 Major: *Nursing Sciences*  
 Minor: *Public Health Issues: Children with Special Nutritional Concerns*  
 Dissertation: An Inquiry Into the Parental Experience of Managing a Child's Severe Food Allergy  
 Dissertation Chair: B. J. Lutz
- Adam E. Broschinski, Bachelor of Science in Mathematics, 2007, West Virginia Institute of Technology  
 Major: *Mathematics*  
 Dissertation: Eigenvalues of Self-Adjoint Toeplitz Operators With Respect to a Constrained Algebra  
 Dissertation Chair: S. McCullough
- Amanda Baxter Brown, Bachelor of Nursing, 2003, University of North Florida; Master of Science in Nursing, 2007, University of Florida  
 Major: *Nursing Sciences*  
 Minor: *Special Education*  
 Dissertation: Pediatric Nurses' Assessment of Procedural Pain in Children With Autism Spectrum Disorder  
 Dissertation Chair: J. H. Elder
- David P. Brown, Bachelor of Science, 2009, Miami University—Ohio; Master of Arts, 2011, University of Florida  
 Major: *Economics*  
 Dissertation: Three Essays on Capacity Payment Mechanisms in Wholesale Electricity Markets  
 Dissertation Chair: D. Sappington
- Gordon Hitchings Brown, Bachelor of Science *cum laude*, 2003, State University of New York College at Brockport; Master of Science, 2006, University of Florida  
 Major: *Environmental Engineering Sciences*  
 Dissertation: Aquitard Contaminant Storage and Flux  
 Dissertation Chair: M. D. Annable

- Megan E. Brown, Bachelor of Arts in Biology, 2002, University of Virginia; Master of Science, 2004, Virginia Polytechnic Institute and State University  
 Major: *Interdisciplinary Ecology*  
 Dissertation: Feral Hog (*Sus Scrofa*) Disturbance in Seepage Slope Wetlands  
 Dissertation Chair: D. L. Miller
- Teresa A. Bryan, Bachelor of Science *cum laude*, 2000, Master of Science, 2005, University of Florida  
 Major: *Zoology*  
 Dissertation: The Ontogeny of Genital Development in the American Alligator (*Alligator Mississippiensis*), a Vertebrate Lacking Sex Chromosomes: University of Florida  
 Dissertation Chair: L. J. Guillette
- Zachary Lee Bryan, Bachelor of Science in Materials Science and Engineering *summa cum laude*, 2009, University of Florida  
 Major: *Materials Science and Engineering*  
 Dissertation: Microstructural Design of Magnesium Alloys for Elevated Temperature Performance  
 Dissertation Chair: M. V. Manuel
- Kelly A. Burks-Copes, Bachelor of Science *cum laude* in General Studies, *summa cum laude* in Biology, 1991, University of New Mexico; Master of Science in Biology, 1994, New Mexico State University  
 Major: *Interdisciplinary Ecology*  
 Dissertation: Finding Integrated Solutions to Wicked Environmental Challenges: Ecosystem-Based Management of Cottonwood Communities on the Missouri River  
 Dissertation Chair: G. Kiker
- Richard P. Busi, Bachelor of Science, 2006, Master of Education, 2007, Slippery Rock University of Pennsylvania  
 Major: *Curriculum and Instruction*  
 Dissertation: The Effects of Analyzing Student Work and Thinking on Preservice Teachers' Knowledge and Beliefs: A Mixed Methods Study  
 Dissertation Chair: T. Jacobbe
- Sanal V. Buvaev, Bakalavr Diploma, 2007, Moscow Institute of Physics and Technology—Russia; Master of Science, 2011, University of Florida  
 Major: *Physics*  
 Dissertation: Magnetotransport Study of Disordered Thin Films  
 Dissertation Chair: A. F. Hebard
- 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
- Mauro Carassai, Laurea in Lingue e Letterature Straniere Moderne, 2005, Universita degli Studi di Macerata—Italy; Master of Arts, 2007, University of Leeds—United Kingdom  
 Major: *English*  
 Dissertation: A Digital Media Poetics  
 Dissertation Chair: G. L. Ulmer
- Roger Edward Carey, Bachelor of Arts, 1989, Earlham College—Indiana; Master of Arts in History, 2003, University of Nevada at Las Vegas  
 Major: *History*  
 Dissertation: Grinding It Out: Neoconservatives, Strategic Arms, and Protecting America, 1968-1980  
 Dissertation Chair: M. Jacobs
- Kara Alayne Carnley, Bachelor of Arts in Advertising and Public Relations, 2006, University of Central Florida; Master of Arts in Mass Communication, 2010, University of Florida  
 Major: *Mass Communication*  
 Dissertation: Harm and the First Amendment: Evolving Standards for “Proving” Speech-Based Injuries in U.S. Supreme Court Decisions  
 Dissertation Chair: C. Calvert



- Luther C. Carson, Bachelor of Science, 2006, Wilmington College—Ohio; Master of Science in Horticulture, 2010, Virginia Polytechnic Institute and State University  
 Major: *Horticultural Sciences*  
 Minor: *Soil and Water Science*  
 Dissertation: Controlled-Release Fertilizer Use in Tomato Production Using Seepage Irrigation in Southwest Florida  
 Dissertation Chair: M. Ozores-Hampton
- Felipe Correia Carvalho, Titulo de Engenheiro de Pesca, 2006, Universidade Federal Rural de Pernambuco—Brazil; Master of Science, 2010, University of Florida  
 Major: *Fisheries and Aquatic Sciences*  
 Dissertation: Changes in Target Species and Spatial Population Structure in Stock Assessment Models for Highly Migratory Pelagic Fish Stocks as Exemplified by the South Atlantic Blue Shark  
 Dissertation Chair: D. J. Murie  
 Dissertation Co-chair: R. N. Ahrens
- Prachee Chaturvedi, Bachelor of Technology, 2007, Uttar Pradesh Technical University at Lucknow—India  
 Major: *Agricultural and Biological Engineering*  
 Dissertation: Development of Sensors for Monitoring Oxygen and Free Radicals in Plant Physiology  
 Dissertation Chair: E. McLamore  
 Dissertation Co-chair: P. C. Pullammanappallil
- Bei Chen, Diploma of Specialist, 2008, Far Eastern National University—Russia  
 Major: *Medical Sciences—Physiology and Pharmacology*  
 Dissertation: Impact of Age and Exercise on Coronary Circulation  
 Dissertation Chair: J. M. Muller Delp
- Si Chen, Bachelor of Arts, 2008, Beijing International Studies University—China; Master of Arts, 2010, University of Florida  
 Major: *Linguistics*  
 Minor: *Statistics*  
 Dissertation: A Phonetic and Phonological Investigation of the Tone System of Chongming Chinese  
 Dissertation Chair: C. R. Wiltshire  
 Dissertation Co-chair: R. Wayland
- Wenchao Chen, Bachelor of Engineering, 2006, Xi'an Jiaotong University—China; Master of Engineering, 2009, Shanghai Jiaotong University—China  
 Major: *Electrical and Computer Engineering*  
 Dissertation: Modeling, Physics and Simulation of Nano-Scale Electronic Devices  
 Dissertation Chair: J. Guo
- Tongguang Cheng, Bachelor of Science, 2006, Master of Science, 2008, Tsinghua University—China; Master of Science, 2009, University of Florida  
 Major: *Physics*  
 Dissertation: Observation of the Higgs Boson in  $H \rightarrow ZZ \rightarrow 4L$  Channel and Its Mass and Width Measurement Using the CMS Detector at the LHC  
 Dissertation Chair: G. Mitselmakher  
 Dissertation Co-chair: A. Korytov
- Elsa Daniela Chevasco Molina, Licenciada en Ciencias Biologicas, 2006, Pontificia Universidad Catolica del Ecuador; Master of Arts, 2009, Brandeis University—Massachusetts  
 Major: *Interdisciplinary Ecology*  
 Dissertation: Pine Straw Harvesting and Fertilization Effects on Soil and Plant Phosphorus Pools, Bioavailability, and Potential Losses in Slash Pine (*Pinus Elliottii Engelm.*) Plantations  
 Dissertation Chair: P. J. Minogue
- Tsu-wu Chiang, Bachelor of Science, 2005, Master of Science, 2007, National Central University—Taiwan  
 Major: *Materials Science and Engineering*  
 Dissertation: Computation Studies of Vacancy and Void Defects Interactions in Polycrystalline UO<sub>2</sub>  
 Dissertation Chair: S. R. Phillpot

- Kwansun Cho, Bachelor of Engineering, 1996, Kwandong University—South Korea; Master of Engineering in Electrical and Computer Engineering, 1999, Yonsei University—South Korea; Master of Science, 2003, University of Florida  
Major: *Electrical and Computer Engineering*  
Minor: *Communication Sciences and Disorders*  
Dissertation: Start4k: A Computer Assisted Pronunciation Training System  
Dissertation Chair: J. G. Harris
- Heejun Chung, Bachelor of Engineering, 2004, Master of Engineering, 2006, Kyung Hee University—South Korea  
Major: *Nuclear Engineering Sciences*  
Dissertation: A Method for Improved Delayed Neutron Data of Group Abundances  
Dissertation Chair: K. Jordan
- Justin G. Clar, Bachelor of Science in Chemistry, 2006, University of Richmond—Virginia; Master of Science, 2010, University of Florida  
Major: *Environmental Engineering Sciences*  
Dissertation: Insights Into the Mechanisms of Single-Walled Carbon Nanotube (Swcnts) Speciation and Implications for Organism-Swcnt Interactions  
Dissertation Chair: J. Bonzongo  
Dissertation Co-chair: K. Ziegler
- Sarah Denise Cochran, Bachelor of Science in Animal Science, 2006, University of Missouri at Columbia; Master of Science in Animal Science, 2008, South Dakota State University  
Major: *Animal Molecular and Cellular Biology*  
Dissertation: Identification of Genetic Markers for *In Vivo* and *In Vitro* Fertility in Dairy Cattle  
Dissertation Chair: P. J. Hansen
- Erin L. Conlin, Bachelor of Arts in History, 2002, University of Wisconsin at Madison; Master of Arts, 2010, University of Florida  
Major: *History*  
Dissertation: Invisible Hands in the Winter Garden: Power, Politics, and Florida's Bahamian Farmworkers in the Twentieth Century  
Dissertation Chair: J. F. Spillane
- Thomas Clay Cooper, Bachelor of Arts in History *magna cum laude*, 2008, Furman University—South Carolina; Master of Arts, 2010, University of Florida  
Major: *History*  
Dissertation: The Flower of Southern Manhood: Race and Masculinity in Southern Higher Education, 1820-1900  
Dissertation Chair: W. A. Link  
Dissertation Co-chair: J. M. Gallman
- Rogelio A. Coronado, Bachelor of Science in Biology, 2003, Texas A&M University at Corpus Christi; Master of Physical Therapy, 2007, Texas Tech University  
Major: *Rehabilitation Science*  
Dissertation: Cervical and Shoulder Manipulative Therapy Effects on Pain Sensitivity  
Dissertation Chair: S. E. George
- Francy L. Crosby, Licenciada en Biología y Química, 2002, Universidad Santiago de Cali—Colombia; Magistra en Biología, 2005, Pontificia Universidad Javeriana—Colombia  
Major: *Veterinary Medical Sciences*  
Dissertation: Characterization of an Anaplasma Mutant Generated by Transposon Mutagenesis  
Dissertation Chair: A. F. Barbet
- Laura Christine Crysel, Bachelor of Arts in Psychology *summa cum laude*, 2009, Wake Forest University—North Carolina; Master of Science, 2011, University of Florida  
Major: *Psychology*  
Dissertation: Schadenfreude and the Spread of a Politician's Misfortune  
Dissertation Chair: G. D. Webster
- Mark Wayne Cunningham Jr., Bachelor of Science in Biology, 2008, Morehouse College—Georgia  
Major: *Medical Sciences—Physiology and Pharmacology*  
Dissertation: Renal Nitric Oxide, Pro- and Antioxidant Pathways in Rat Pregnancy and Malignant Hypertension  
Dissertation Chair: C. Baylis

Stacia Lynn Davis, Bachelor of Science in Civil Engineering, 2005, University of Pittsburgh—Pennsylvania; Master of Engineering, 2008, University of Florida

Major: *Agricultural and Biological Engineering*

Dissertation: Effectiveness of Smart Controllers for Water Conservation in Residential Irrigation

Dissertation Chair: M. D. Dukes

Mark Pereira De Andrade, Bachelor of Science in Biology *cum laude*, 2010, Master of Science in Biology, 2010, University of Alabama at Birmingham

Major: *Medical Sciences—Neuroscience*

Dissertation: Animal Models and Pathophysiology of Rapid-Onset Dystonia-Parkinsonism and Restless Legs Syndrome

Dissertation Chair: Y. Li

Bowen Deng, Bachelor of Engineering, 2009, Beijing University of Chemical Technology—China

Major: *Materials Science and Engineering*

Dissertation: Investigating Thermal Conduction by Atomic Simulation

Dissertation Chair: S. R. Phillpot

Lili Deng, Bachelor of Science, 2006, Tsinghua University—China; Master of Science, 2009, University of Florida

Major: *Physics*

Dissertation: Anderson Impurity Models With Bosons as Descriptions of Molecular Devices and Heavy-Fermion Systems

Dissertation Chair: J. Ingersent

Ana Maria Diaz Collazos, Licenciada en Literatura, 2003, Instituto Caro y Cuervo—Colombia; Magister en Linguística Española, 2009, Instituto Caro y Cuervo—Columbia

Major: *Romance Languages—Spanish*

Dissertation: Sociolinguistic Development of the Voseo in the Colombian Highland (1555-1976)

Dissertation Chair: D. A. Pharies

Gabriel E. Dilanji, Bachelor of Science in Physics, 2009, University of California at Irvine; Master of Science, 2012, University of Florida

Major: *Physics*

Dissertation: Quorum Regulation Over Long Distances: Sinorhizobium Meliloti Surfing Motility and Gene Regulation From Diffusion of Autoinducer Signals

Dissertation Chair: S. J. Hagen

Kyle Bradley Dobbs, Bachelor of Science, 2008, University of Missouri at Columbia

Major: *Animal Molecular and Cellular Biology*

Dissertation: Developmental Programming of the Preimplantation Bovine Embryo by Colony Stimulating Factor 2

Dissertation Chair: P. J. Hansen

Dmitri Alexandrovich Dranishnikov, Bachelor of Science *cum laude*, 2008, Master of Science, 2013, University of Florida

Major: *Computer Engineering*

Dissertation: Bayesian Hyperspectral Unmixing With Multivariate Beta Distributions

Dissertation Chair: P. D. Gader

Tyler J. Dreaden, Bachelor of Science in Forest Resources and Conservation *cum laude*, 2006, Master of Science, 2010, University of Florida

Major: *Forest Resources and Conservation*

Minor: *Plant Pathology*

Dissertation: Development of Detection Methods and Taxonomic Clarifications of Two Pathogens, *Diplodia Spp.* and *Raffaelea Lauricola*, Currently Affecting Trees in Florida

Dissertation Chair: J. A. Smith

Melanie Lea Duncan, Bachelor of Arts in Sociology *cum laude*, 2008, California State University at Chico; Master of Arts in Sociology, 2010, University of Nevada at Reno

Major: *Sociology*

Dissertation: Lesbian and Gay Adopters: Analyses of States' Legal and Social Policies

Dissertation Chair: C. L. Shehan

- Deny Dwiantoro, Sarjana Teknik, 2003, Magister Administrasi Bisnis, 2005, Institut Teknologi Bandung—Indonesia  
 Major: *Design, Construction, and Planning*  
 Dissertation: Development of a Methodology and Evaluation Tool for Assessing the Feasibility of Implementing Renewable Energy Systems as an Airport Revenue Source  
 Dissertation Chair: C. J. Kibert  
 Dissertation Co-chair: I. Flood
- Dominique Therese Edwards, Bachelor of Music, 2005, University of Florida; Master of Arts in Music, 2008, Florida Atlantic University  
 Major: *Music Education*  
 Dissertation: Piano Programs at Performing Arts High Schools Across the United States: A Survey of Requirements and Curriculum  
 Dissertation Chair: C. R. Hoffer
- Eric Free Egelund, Doctor of Pharmacy *magna cum laude*, 2009, University of Florida  
 Major: *Pharmaceutical Sciences*  
 Dissertation: Pharmacokinetics of Rifampin and Cyclo-Pentyl Rifampin (*Rifapentine*) in Elephant and Man  
 Dissertation Chair: C. A. Peloquin
- Nour Ezziddin El-Bashiti, Bachelor of Arts, 2003, Jordan University of Science and Technology; Master of Arts, 2005, University of Jordan  
 Major: *Communication Sciences and Disorders*  
 Dissertation: Quantifying the Degree of Perceived Hypernasality  
 Dissertation Chair: W. N. Williams
- Kenneth William Ellens, Bachelor of Science in Biotechnology, 2009, Brock University—Canada  
 Major: *Plant Molecular and Cellular Biology*  
 Dissertation: Completing the Methionine Salvage Cycle in Bacteria and Plants  
 Dissertation Chair: A. D. Hanson
- Karl Erik Ettinger, Bachelor of Music, 1998, Stetson University—Florida; Master of Arts in Music, 2001, University of Missouri at Kansas City; Master of Music, 2005, University of New Mexico  
 Major: *Music*  
 Dissertation: Louis W. Ballard: Selected Chamber Works  
 Dissertation Chair: D. Z. Kushner
- Michael Alexander Faraone, Bachelor of Science in Civil Engineering, 2007, Master of Engineering, 2009, University of Florida  
 Major: *Civil Engineering*  
 Dissertation: Development of Geostatistical Analysis for Reliability Based Design of Foundations  
 Dissertation Chair: M. C. McVay
- Emily Lauren Felty, Bachelor of Arts in Psychology, 2002, Oglethorpe University—Georgia; Master of Social Work, 2010, University of Georgia; Specialist in Education, 2012, University of Florida  
 Major: *Marriage and Family Counseling*  
 Dissertation: Boundary Ambiguity and the Non-Deployed Parent: A Qualitative Study  
 Dissertation Chair: S. C. Echevarria-Doan
- Chessy M. Fernandez, Bachelor of Biomedical Engineering, 2000, Catholic University of America—District of Columbia  
 Master of Engineering, 2003, University of Florida  
 Major: *Biomedical Engineering*  
 Dissertation: Development of an Efficient Fluid Structure Interaction Solver for Applications to the Vascular System  
 Dissertation Chair: R. Tran-Son-Tay
- Erica N. Feuerbacher, Bachelor of Arts in Spanish, 1997, Bachelor of Science in Biology, 1997, Arizona State University; Master of Science in Behavioral Services, 2009, University of North Texas  
 Major: *Psychology*  
 Dissertation: Functions of Human Social Interaction for Domestic Dog Behavior  
 Dissertation Chair: C. D. Wynne  
 Dissertation Co-chair: J. Dallery
- Maria Ida Fionda, Bachelor of Arts, 2003, Concordia University—Canada; Master of Arts, 2008, University of Florida  
 Major: *Romance Languages—Instituto Spanish*  
 Dissertation: The Effects of Cognitive Abilities and Vocabulary Size on L2 Spanish Clitic Processing  
 Dissertation Chair: G. Lord  
 Dissertation Co-chair: H. Cowles

- Matthew Ira Fisher, Bachelor of Science in Electrical Engineering *cum laude*, 2008, Bachelor of Arts *magna cum laude*, 2008, University of Florida  
 Major: *Physics*  
 Dissertation: Search for the Standard Model Higgs Boson Decaying to a Bottom Quark Pair With the CMS Detector  
 Dissertation Chair: I. K. Furic
- Griselda Flores, Bachelor of Arts *cum laude*, 2009, Master of Education, 2010, University of Florida  
 Major: *Higher Education Administration*  
 Dissertation: Influential or Not: An Examination of the Influence of Social Networks on the College Choice Process and Post-Secondary Enrollment Rate of First-Generation Latina Students  
 Dissertation Chair: B. Oliver
- Eric W. Franca, Bachelor of Science in Engineering, 2008, Tulane University—Louisiana  
 Major: *Biomedical Engineering*  
 Dissertation: Neural Adhesion, Growth, and Electrophysiology on Carbon Nanotubes and Carbonized Nanofibers  
 Dissertation Chair: B. Wheeler
- Jackson Luc Frechette, Bachelor of Science, 2003, University of Wisconsin at Madison; Master of Arts, 2007, University of Florida  
 Major: *Interdisciplinary Ecology*  
 Dissertation: Seed Dispersal Patterns and Processes in a Northeastern Cambodian Tropical Forest  
 Dissertation Chair: K. E. Sieving  
 Dissertation Co-chair: D. J. Levey
- Allison Dorothy Fredette, Bachelor of Arts in History, 2006, Master of Arts in History, 2008, West Virginia University  
 Major: *History*  
 Dissertation: True to Border Traditions: The Construction of Marriage and Marital Roles in the Mid-Nineteenth-Century Upper South  
 Dissertation Chair: W. A. Link  
 Dissertation Co-chair: J. M. Gallman
- Christopher Allen Fuhrman, Bachelor of Science in Molecular Biology and Microbiology, 2005, Master of Science in Molecular Biology and Microbiology, 2007, University of Central Florida  
 Major: *Medical Sciences—Immunology and Microbiology*  
 Dissertation: Modulation of the Adaptive Immune Response Through Inflammatory Cytokines and Costimulatory Receptors Related to Type 1 Diabetes  
 Dissertation Chair: T. M. Brusko
- Shuji Fujimaru, Bachelor of Science in Electrical Engineering *cum laude*, 2009, Master of Science, 2011, University of Florida  
 Major: *Electrical and Computer Engineering*  
 Dissertation: Optimization of Beam Painting for ELF/VLF Wave Generation at HAARP Using Time-of-Arrival Analysis  
 Dissertation Chair: R. C. Moore
- Johan Fabian Galindo Cruz, Titulo de Quimico, 2004, Titulo de Magister en Ciencias Quimica, 2007, Universidad Nacional de Colombia  
 Major: *Chemistry*  
 Dissertation: Vibrational Spectroscopy and Excited State Molecular Dynamics of Phenylene Ethynylene Polymers  
 Dissertation Chair: A. E. Roitberg
- Ruli Gao, Bachelor Degree, 2004, Master Degree, 2007, Yangzhou University—China; Master of Statistics, 2013, University of Florida  
 Major: *Genetics and Genomics*  
 Dissertation: Molecular Regulations and Functional Properties of MYB-/NFIB in Human Adenoid Cystic Cancers  
 Dissertation Chair: F. J. Kaye
- Anna Katlyn Gardner, Bachelor of Science in Exercise Science *summa cum laude*, 2008, Saginaw Valley State College—Michigan; Master of Science, 2010, Purdue University Main Campus—Indiana  
 Major: *Health and Human Performance*  
 Dissertation: Alcohol Use, Exercise, and Physical Fitness Among Career Firefighters  
 Dissertation Chair: A. E. Barry

- Lihao Ge, Bachelor of Engineering, 2010, Nanjing University—China; Master of Science, 2013, University of Florida  
 Major: *Mechanical Engineering*  
 Dissertation: Processing of Uranium Dioxide Nuclear Fuel Pellets Using Spark Plasma Sintering  
 Dissertation Chair: G. Subhash
- Amanda Nicole Gesselman, Bachelor of Science in Psychology, 2009, Columbus State University—Georgia; Master of Science, 2011, University of Florida  
 Major: *Psychology*  
 Dissertation: Creating Our Own Relationship Experiences: The Effects of Relationship Goals on Relationship Outcomes  
 Dissertation Chair: G. D. Webster
- Jeffery Don Gilliam, Bachelor of Science in Physical Education, 1979, Bachelor of Science in Community Health Education, 1981, University of North Carolina at Greensboro; Bachelor of Science in Physical Therapy, 1987, East Carolina University—North Carolina; Master of Health  
 Major: *Health and Human Performance*  
 Dissertation: Associations Between Health-Related Quality of Life, Behavioral Intention and Ambivalence in Obese Adult Patients During Stages of Change in a Healthy Lifestyle/Weight Loss Program  
 Dissertation Chair: R. Pigg  
 Dissertation Co-chair: V. J. Dodd
- Mathew R. Gluck, Bachelor of Science, 2005, University of California at Riverside; Master of Arts in Mathematics, 2007, Arizona State University  
 Major: *Mathematics*  
 Dissertation: Blow-Up Analysis and Classification Theorems for Solutions to Semi-Linear Elliptic Equations  
 Dissertation Chair: L. Zhang
- Sasmit Sadanand Gokhale, Bachelor of Engineering, 2009, University of Mumbai—India; Master of Science, 2011, University of Florida  
 Major: *Nuclear Engineering Sciences*  
 Dissertation: Bismuth Tri-Iodide Radiation Detector Development  
 Dissertation Chair: K. Jordan  
 Dissertation Co-chair: J. C. Nino
- Ersen Gokturk, Lisans Diploması, 2003, Yuksek Lisans, 2006, Nigde University—Turkey  
 Major: *Chemistry*  
 Dissertation: An Alternative Approach for Synthesizing Polyglycolic Acid and Its Copolymers From C1 Feedstocks  
 Dissertation Chair: S. A. Miller
- Clairemarie Gonzalez, Bachelor of Arts in Education *summa cum laude*, 2002, Master of Education, 2004, University of North Florida  
 Major: *Educational Psychology*  
 Dissertation: Effects of Causal Diagrams and Outlines on Fifth Grade Students Understanding of Scientific Texts  
 Dissertation Chair: B. A. Franks
- Jason R. Graham, Bachelor of Science in Entomology, 2006, University of Delaware; Master of Science, 2009, University of Florida  
 Major: *Entomology and Nematology*  
 Minor: *Agricultural Education and Communication*  
 Dissertation: Monitoring Tunnel-Nesting Solitary Bees and Wasps  
 Dissertation Chair: J. D. Ellis
- Leandro F. Greco, Medico Veterinario, 2006, Universidade Federal de Goias—Brazil; Mestre em Agronomia, 2008, Universidade de Sao Paulo—Brazil  
 Major: *Animal Molecular and Cellular Biology*  
 Dissertation: Fatty Acids in Dairy Cattle Nutrition: Insights on Productive and Reproductive Performances  
 Dissertation Chair: J. Santos
- Ana Maria Hagan, Bachelor of Science in Civil Engineering, 2005, University of Rhode Island; Master of Science in Civil Engineering, 2007, Georgia Institute of Technology  
 Major: *Environmental Engineering Sciences*  
 Dissertation: Ultraviolet Activated Treatment of Mercury Wastewater in the Presence of Selected Competing Ligands  
 Dissertation Chair: D. W. Mazyck

- Rashid Malek Hamdan, Teaching Diploma in Sciences, 2002, Lebanese University; Master of Science, 2007, American University of Beirut—Lebanon  
 Major: *Physics*  
 Dissertation: Numerical Study of the Mechanical Loss in Amorphous Oxides  
 Dissertation Chair: H. Cheng
- HyukSu Han, Bachelor of Science in Engineering, 2010, Hanyang University—South Korea  
 Major: *Materials Science and Engineering*  
 Dissertation: Defect Engineering of Electroceramics: Bismuth Triiodide and Barium Titanate  
 Dissertation Chair: J. C. Nino
- William C. Hardy, Bachelor of Science in Chemistry *summa cum laude*, 2007, Master of Science in Chemistry, 2008, Jackson State University—Mississippi; Master of Science, 2011, University of Florida  
 Major: *Chemistry*  
 Dissertation: Synthesis, Modification, and Applications of Template Prepared Porous Alumina Membranes  
 Dissertation Chair: C. R. Martin
- Hunter B. 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
- Fabiany Alberto Herrera-Tolosa, Titulo de Geologo, 2005, Universidad Industrial de Santander—Colombia; Master of Science, 2008, University of Florida  
 Major: *Botany*  
 Dissertation: Revealing the Floristic and Biogeographic Composition of Paleocene to Miocene Neotropical Forests  
 Dissertation Chair: S. R. Manchester
- David James Hetrick, Bachelor of Arts, 2005, University of Oregon; Master of Arts in Classics, 2009, San Francisco State University—California  
 Major: *Classical Studies*  
 Dissertation: Coming Home to Drama: Alternative Paradigms of Nostos in Sophoklean Tragedy  
 Dissertation Chair: G. A. Van Steen
- William David Hicks, Bachelor of Arts in Political Science, 2005, University of Montana; Master of Arts in Political Science, 2008, Florida Atlantic University  
 Major: *Political Science*  
 Dissertation: Representation in the American States: Partisan Competition and Its Conflicting Effects on Representative Government  
 Dissertation Chair: D. A. Smith  
 Dissertation Co-chair: L. C. Dodd
- Albert Barrett Hicks III, Bachelor of Chemical Engineering, 2004, Auburn University—Alabama  
 Major: *Chemical Engineering*  
 Dissertation: Sputter Deposited Zinc-Magnesium Alloyed Transparent Conducting Oxides for Copper Indium Gallium Diselenide Solar Cells  
 Dissertation Chair: T. J. Anderson
- Cherie Downs Hodge, Bachelor of Science in Nursing, 1996, Master of Science in Nursing, 2000, Florida State University  
 Major: *Nursing Sciences*  
 Minor: *Anthropology*  
 Dissertation: Living With Type 2 Diabetes  
 Dissertation Chair: S. D. Schaffer
- Matthew R. Hoerner, Bachelor of Science in Nuclear Engineering, 2009, Pennsylvania State University; Master of Science, 2012, University of Florida  
 Major: *Biomedical Engineering*  
 Dissertation: Pregnant Female Anthropomorphic Dosimetry in Computed Tomography  
 Dissertation Chair: D. E. Hintenlang

Cheyne Phillips Homberger, Bachelor of Science *cum laude*, 2009, Master of Science, 2011, University of Florida

Major: *Mathematics*

Dissertation: Patterns in Permutations and Involutions: A Structural and Enumerative Approach

Dissertation Chair: M. Bona

David C. Horton, Bachelor of Science, 1996, University of the West Indies—Trinidad; 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

Jeffrey D. Hoskins, Bachelor of Science in Physics, 2005, University of Central Florida; Master of Science, 2009, University of Florida

Major: *Physics*

Dissertation: A Modulation Sensitive Search for Non-Virialized Axions

Dissertation Chair: D. B. Tanner

Althea S. Hotaling, Bachelor of Science in Marine Biology *cum laude*, 2003, University of West Florida; Master of Science, 2008, University of Florida

Major: *Interdisciplinary Ecology*

Dissertation: Seagrass Restoration in a Boating Environment

Dissertation Chair: R. A. Swett

Joshua Carstens Huder, Bachelor of Arts in Psychology, 2005, Rutgers University—New Jersey; Master of Arts, 2009, University of Florida

Major: *Political Science*

Dissertation: Cycles of Opposition: Reform Politics and Congressional Development, 1879-2010

Dissertation Chair: L. C. Dodd

Duc Van Huynh, Bachelor of Science, 2006, Armstrong Atlantic State University—Georgia; Master of Science, 2010, University of Florida

Major: *Mathematics*

Dissertation: Problems on Finite Extensions of Local Function Fields

Dissertation Chair: K. Keating

Taesong Hwang, Bachelor of Engineering, 2009, Dong-A University—South Korea; Master of Science, 2011, University of Florida

Major: *Electrical and Computer Engineering*

Dissertation: Characterization and Design of High Efficiency Linear Power Amplifiers for Base-Station

Dissertation Chair: J. Lin

Marco Isola, Laurea in Ingegneria Civile, 2009, Laurea Specialistica in Ingegneria Civile, 2009, Universita degli Studi di Parma—Italy; Master of Science, 2012, University of Florida

Major: *Civil Engineering*

Dissertation: Effect of Interstitial Volume Characteristics on Asphalt Mixture Durability and Cracking Performance

Dissertation Chair: R. Roque

Derek Ryan Jacobs, Bachelor of Arts, 2008, Cornell College—Iowa

Major: *Medical Sciences—Immunology and Microbiology*

Dissertation: An *In Vitro* Approach to the Molecular Basis of Herpes Simplex Virus Type-1 Latency

Dissertation Chair: D. C. Bloom

Poonam B. Jaiswal, Master of Biotechnology, 2007, Texas A&M University at College Station

Major: *Veterinary Medical Sciences*

Dissertation: Thoracic Muscle Respiratory Load Compensation in Conscious Animals and Human Respiratory Perception After Spinal Cord Injury

Dissertation Chair: P. W. Davenport



- Bhaskar Anil Janve, Bachelor of Technology, 2004, Maharana Pratap University of Agriculture and Technology—India; Master of Engineering Technology, 2007, Punjab Technical University—India; Master of Agribusiness, 2013, University of Florida  
 Major: *Food Science and Human Nutrition*  
 Dissertation: Expedited Corn (*Zea Mays Sp.*) Nixtamalization by Power Ultrasound  
 Dissertation Chair: W. Yang
- Soo Jin Jeon, Bachelor of Science, 2004, Master of Science, 2007, Pukyong National University—South Korea; Master of Science, 2009, State University of New York at Stony Brook  
 Major: *Animal Sciences*  
 Dissertation: Controlling Pathogenic *Escherichia Coli* in Animals  
 Dissertation Chair: K. C. Jeong
- Cassandra Marie Juran, Bachelor of Science in Mechanical Engineering *cum laude*, 2008, Bachelor of Science in Aerospace Engineering *cum laude*, 2008, Master of Engineering, 2010, University of Florida  
 Major: *Biomedical Engineering*  
 Dissertation: Reengineering the Tmj Disc: An Evaluation of Disc Regeneration, Function, and Disease  
 Dissertation Chair: P. McFetridge
- Selvi Kadirvel, Bachelor of Engineering in Computer Science Engineering, 2004, University of Madras—India; Master of Science, 2006, University of Florida  
 Major: *Electrical and Computer Engineering*  
 Dissertation: Techniques and Tools for an Autonomic Approach to Fault and Performance Management in Map-Reduce  
 Dissertation Chair: J. A. Fortes
- Heather Robertson Kaiser, Bachelor of Arts in Spanish *magna cum laude*, 1996, Old Dominion University—Virginia; Master of Arts in Latin American Studies, 2002, Florida International University  
 Major: *Romance Languages—Spanish*  
 Dissertation: (Im)Politeness in Uruguay: Negotiating Refusals in Three Domains of Interaction  
 Dissertation Chair: D. Boxer  
 Dissertation Co-chair: J. Aaron
- Chanyut Kalakan, Bachelor of Engineering in Irrigation Engineering, 1998, Bachelor of Engineering in Civil Engineering, 1999, Master of Engineering in Water Resources Engineering, 2004, Kasetsart University—Thailand  
 Major: *Civil Engineering*  
 Dissertation: Investigation of Saltwater Intrusion Based on the Henry Problem and a Field Scale Problem  
 Dissertation Chair: L. H. Motz
- Bhargava Kandala, Bachelor of Pharmacy, 2008, Master of Pharmacy, 2008, Birla Institute of Technology and Science—India; Master of Statistics, 2012, University of Florida  
 Major: *Pharmaceutical Sciences—Pharmacy*  
 Dissertation: Application of Pharmacometrics in Clinical Drug Development  
 Dissertation Chair: G. Hochhaus
- Max Alexander Kaplan, Bachelor of Science in Materials Science and Engineering, 2010, Lehigh University—Pennsylvania; Master of Science, 2013, University of Florida  
 Major: *Materials Science and Engineering*  
 Dissertation: Characterization of Oxide Bifilms and Nonmetallic Inclusions in Investment Cast Superalloy IN100  
 Dissertation Chair: G. E. Fuchs
- Megan R. Kienzle, Bachelor of Science in Psychology *cum laude*, 2008, Iowa State University; Master of Arts, 2011, University of Florida  
 Major: *Criminology, Law, and Society*  
 Minor: *Psychology*  
 Dissertation: Evidence Interaction: A More Complete Story of Evidence Contamination in Criminal Trial  
 Dissertation Chair: L. M. Levett
- Jennifer L. Klein, Bachelor of Arts *summa cum laude*, 2009, Master of Arts, 2011, University of Florida  
 Major: *Criminology, Law, and Society*  
 Dissertation: Moral Panics and the Sex Offender Registry: Are the Laws Really Protecting Communities  
 Dissertation Chair: L. M. Lanza-Kaduce

- David Thomas Knight Jr., Bachelor of Arts, 2007, New College of Florida; Master of Science, 2009, Tilburg University—Netherlands  
 Major: *Economics*  
 Dissertation: Three Essays on Product Differentiation and Strategy  
 Dissertation Chair: J. H. Hamilton
- Aneesh Koka Venkata, Bachelor of Engineering, 2007, Anna University—India; Master of Science, 2008, University of Florida  
 Major: *Mechanical Engineering*  
 Minor: *Electrical and Computer Engineering*  
 Dissertation: Dynamic Response Analysis of Piezoelectric Nanowire Arrays Based on Nano-Electromechanical Systems  
 Dissertation Chair: H. A. Sodano
- Aparna Krishnamurthy, Bachelor of Science in Agriculture, 2005, Master of Science in Genetics and Plant Breeding, 2007, University of Agricultural Sciences at Bangalore—India  
 Major: *Horticultural Sciences*  
 Minor: *Plant Molecular and Cellular Biology*  
 Dissertation: Understanding Oxidative Stress Tolerance in Plants: Mechanisms for Tolerance to Arsenic and High Temperature Stress in *Arabidopsis Thaliana* and *Oryza Sativa*  
 Dissertation Chair: B. Rathinasabapathi
- Jinhyon Kwon Hammick, Bachelor of Arts, 1998, Chungnam National University—South Korea; Master of Arts, 2004, Emerson College—Massachusetts  
 Major: *Mass Communication*  
 Dissertation: Building Brand Consumer Relationships on Facebook Fan Pages: Effects of Socialness in Brand Communication and the Control on Consumer Feedback  
 Dissertation Chair: M. F. Weigold
- Prithviraj Lakkakula, Bachelor of Science in Agriculture, 2007, Acharya N. G. Ranga Agricultural University—India; Master of Science in Agricultural Economics, 2010, University of Arkansas  
 Major: *Food and Resource Economics*  
 Dissertation: Sugar and High Fructose Corn Syrup Consumption Shifts: A Case of the U.S. and Mexico  
 Dissertation Chair: A. Schmitz
- Scott D. Landes, Bachelor of Arts in Philosophy, 1994, Carson-Newman College—Tennessee; Master of Divinity, 1997, Emory University—Georgia; Master of Arts, 2011, University of Florida  
 Major: *Sociology*  
 Dissertation: Redefining the Problem: Socioeconomic Predictors of Mortality for Adults With Intellectual Disability  
 Dissertation Chair: M. Ardelt
- Edward M. Latorre-Navarro, Bachelor of Science in Electrical Engineering, 2002, Master of Science in Electrical Engineering, 2004, University of Puerto Rico at Mayaguez  
 Major: *Electrical and Computer Engineering*  
 Dissertation: An Intelligent Natural Language Conversational System for Academic Advising  
 Dissertation Chair: J. G. Harris
- Lindsey K. Lauderdale, Bachelor of Science, 2009, University of Illinois at Urbana-Champaign; Master of Science, 2011, University of Florida  
 Major: *Mathematics*  
 Dissertation: Maximal Subgroups of Finite Groups  
 Dissertation Chair: A. Turull
- Alison M. Lecher, Bachelor of Science in Chemical Engineering *summa cum laude*, 2003, Rose-Hulman Institute of Technology—India  
 Major: *Chemistry*  
 Dissertation: Computational Investigation of Oxalate Decarboxylase and the Decomposition of Oxalic Acid  
 Dissertation Chair: R. J. Bartlett
- Flávia Lana Leite, Bacharel, 2003, Fundacao Joao Pinheiro—Brazil; Master of Public Affairs, 2006, University of Texas at Austin; Master of Arts, 2009, University of Florida  
 Major: *Sociology*  
 Dissertation: Modern Conflicts Over Conservation and Development of the Amazon: The Case of the Conflict Over the Construction of the Belo Monte Hydroelectric Dam in Brazil  
 Dissertation Chair: S. G. Perz

- Jason Martin Lewis, Bachelor of Science in Mechanical Engineering, 2004, University of California at Santa Barbara; Master of Science, 2012, University of Florida  
Major: *Nuclear Engineering Sciences*  
Dissertation: Active Neutron Methods for Nuclear Safeguards: Applications Using Helium-4 Gas Scintillation Detectors  
Dissertation Chair: K. Jordan
- Fan Li, Bachelor of Engineering, 2007, Master of Economics in Industrial Economics, 2009, Jinan University—China; Master of Science, 2010, Master of Arts, 2011, University of Florida  
Major: *Economics*  
Dissertation: Essays on Public Utility Policy, Firm Strategy, and Consumer Perceptions  
Dissertation Chair: S. V. Berg
- Jie Li, Bachelor of Science, 2002, Master of Science, 2007, Northwest University—China; Master of Science, 2009, University of Florida  
Major: *Mathematics*  
Dissertation: Multiset Graph Partitioning  
Dissertation Chair: W. W. Hager
- Junjie Li, Bachelor of Engineering, 2009, Beijing University of Posts and Telecommunications—China  
Major: *Computer Engineering*  
Dissertation: GPU Algorithms for Bioinformatics  
Dissertation Chair: S. Sahni  
Dissertation Co-chair: S. Ranka
- Yangzhong Li, Bachelor of Science in Chemical Engineering, 2006, Master of Science in Materials, 2007, University of California at Santa Barbara  
Major: *Materials Science and Engineering*  
Minor: *Nuclear Engineering Sciences*  
Dissertation: Molecular Dynamics Simulation of Defected Structure by COMB and EAM Potential  
Dissertation Chair: S. R. Phillpot
- Cameron Laine Lilly, Bachelor of Arts, 2006, Knox College—Illinois  
Major: *Medical Sciences—Immunology and Microbiology*  
Dissertation: Investigation of the Role of Insulator Binding Protein CTCF in Lytic HSV-1 Replication  
Dissertation Chair: D. C. Bloom
- Yashen Lin, Bachelor of Engineering, 2009, University of Science and Technology at Beijing—China; Master of Science, 2012, University of Florida  
Major: *Mechanical Engineering*  
Dissertation: Application of Smart Control of Commercial Building HVAC System in Power Grid Ancillary Service: Modeling, Design, and Implementation  
Dissertation Chair: P. Barooah
- Margaret C. Lisuzzo, Bachelor of Science in Criminology and Criminal Justice *summa cum laude*, 2009, Master of Science in Criminal Justice Administration, 2010, Niagara University—New York  
Major: *Criminology, Law, and Society*  
Dissertation: Out-Group Salience Bias Against Juveniles' in an Equal-Focus Perspective Videotaped Interrogation  
Dissertation Chair: L. E. Hasel
- Veronica La Grave Llana, Bachelor of Science in Environmental Engineering, 2010, Master of Engineering, 2013, University of Florida  
Major: *Environmental Engineering Sciences*  
Dissertation: Surface Modified NZVI Particles and Ability to Improve Arsenic Removal Efficiency, Colloidal Stability, and Reduce Contaminant Bio Availability Towards Aquatic Organisms  
Dissertation Chair: J. Bonzongo
- Yang Lu, Bachelor of Engineering, 2005, Master of Engineering, 2008, Shanghai Jiaotong University—China  
Major: *Electrical and Computer Engineering*  
Dissertation: Modeling and Simulation of Nano-Scale Electronics Based on Novel Low Dimensional Materials  
Dissertation Chair: J. Guo

- Wen Luo, Bachelor of Engineering, 2008, University of Science and Technology of China  
 Major: *Computer Engineering*  
 Dissertation: Efficient Protocol Design in Infrastructure of RFID Systems  
 Dissertation Chair: S. Chen
- Bryan J. Lynch, Bachelor of Arts in Economics, 2009, Eckerd College—Florida; Master of Arts, 2011, University of Florida  
 Major: *Economics*  
 Dissertation: The United States Manufacturing Sector: Trade Outcomes and Labor Market Dynamics During the Financial Crisis of 2008-2009  
 Dissertation Chair: E. Dinopoulos
- Erin A. Mack, Bachelor of Arts, 2006, Oakland University—Michigan  
 Major: *Medical Sciences—Immunology and Microbiology*  
 Dissertation: The Role of Rad51 in Gene Conversion for DNA Repair and Antigenic Variation in *Babesia bovis*  
 Dissertation Chair: D. R. Allred
- Mini Manchanda, Master of Science, 2008, University of Delhi—India  
 Major: *Medical Sciences—Genetics*  
 Dissertation: Coordinate Regulation of Distinct RNA Processing Steps in Functionally Related Cellular Pathways  
 Dissertation Chair: M. S. Swanson
- Jesse Robert Manders, Bachelor of Science in Engineering Physics, 2009, Miami University—Ohio; Master of Science, 2011, University of Florida  
 Major: *Materials Science and Engineering*  
 Dissertation: Nanostructured Materials for Photovoltaics and Infrared Detection  
 Dissertation Chair: F. So
- Mihaela Marcu, Diploma de Licenta, 1998, Universitatea Babes-Bolyai—Romania  
 Major: *Food and Resource Economics*  
 Dissertation: Privatization Effects on Efficiency in the Water and Waste Water Industry in Former Socialist Countries  
 Dissertation Chair: C. B. Moss
- Francesca M. Marinaro, Bachelor of Arts in English, 2006, Master of Arts in English, 2008, Florida Gulf Coast University  
 Major: *English*  
 Dissertation: Living Labor: Motherhood as Exchange in the Victorian Novel  
 Dissertation Chair: P. K. Gilbert
- Jesus Martinez Manso, Licenciado en Fisica, 2009, Universidad de Sevilla—Spain; Master of Science, 2011, University of Florida  
 Major: *Astronomy*  
 Dissertation: The Connection Between Galaxies and Dark Matter in the Young Universe  
 Dissertation Chair: A. Gonzalez
- K. Randall McClain, Bachelor of Science in Chemistry, 2007, University of Central Florida  
 Major: *Chemistry*  
 Dissertation: Design, Synthesis, Characterization, and Application of Molecular Precursors for Deposition of Conformal WNX and WNXCY Thin Films  
 Dissertation Chair: L. A. McElwee-White
- David A. Mills, Bachelor of Science in Mechanical Engineering, 2008, University of Evansville—Indiana; Master of Science, 2010, University of Florida  
 Major: *Mechanical Engineering*  
 Dissertation: A Sapphire MEMS-Based Optical Shear Stress Sensor for High-Temperature Applications  
 Dissertation Chair: M. Sheplak
- Sayak Kumar Mitter, Bachelor of Technology, 2005, West Bengal University of Technology—India; Master of Technology in Biotechnology, 2007, Anna University—India  
 Major: *Medical Science—Molecular Cell Biology*  
 Dissertation: Role of Oxidative Stress and Micrnas in Regulating Autophagic Flux in the Retinal Pigmented Epithelium  
 Dissertation Chair: M. Boulton

Ahmed M. Moghieb, Bachelor of Science in Chemistry, 2000, Cairo University—Egypt; Master of Science, 2009, University of Florida

Major: *Chemistry*

Dissertation: Mass Spectrometry-Based Proteomics: Discovery and Absolute Quantifications of Neuroinjury Biomarkers

Dissertation Chair: R. A. Yost

Krishna Chaitanya Mojjada, Bachelor of Engineering, 2008, Sathyabama University—India; Master of Science, 2010, University of Florida

Major: *Electrical and Computer Engineering*

Dissertation: Multi-Core Microwave Wireless Communication System

Dissertation Chair: W. R. Eisenstadt

Alison M. Montgomery, Bachelor of Arts, 2003, Master of Arts, 2007, University of Oklahoma

Major: *Anthropology*

Dissertation: Negotiating the Spaces of Fair Trade in South Africa's Wine Industry

Dissertation Chair: B. H. Chalfin

Dissertation Co-chair: M. M. Stoilkova

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

Major: *Mechanical Engineering*

Dissertation: Adaptively Tuned Micromanipulator and Fixturing Mechanism for Micro- and Mesoscale Manufacturing

Dissertation Chair: G. J. Wiens

Cesar Miguel Moreira, Bachelor of Science in Agricultural and Biological Engineering *cum laude*, 2007, Master of Science, 2009, University of Florida

Major: *Agricultural and Biological Engineering*

Minor: *Mechanical Engineering*

Dissertation: Development of an Integrated Algal Bio-Refinery for Polysaccharide and Biofuel Production

Dissertation Chair: P. C. Pullammanappallil

Dissertation Co-chair: S. Svoronos

Cheryl L. Morgan, Bachelor of Arts *cum laude*, 2005, Master of Education, 2006, Specialist in Education, 2008, University of Florida

Major: *Special Education*

Minor: *Research and Evaluation Methodology*

Dissertation: Examining the Establishment of a Post-Secondary Education Program for Young Adults With Intellectual Disabilities at a Research University

Dissertation Chair: J. Crockett

John P. Mudrick, Bachelor of Science in Chemical Engineering, 2009, University of Notre Dame—Indiana

Major: *Materials Science and Engineering*

Dissertation: Engineered Film Growth and Interfaces in Organic Photovoltaic Cells

Dissertation Chair: J. Xue

Lana D. Muniz, Bachelor of Science in Physics, 2010, University of Illinois at Urbana-Champaign

Major: *Physics*

Dissertation: Search for New Physics in Same-Sign Dilepton Events in the CMS Detector at the Large Hadron Collider

Dissertation Chair: J. M. Yelton

Mutsuo Nakamura, Bachelor of Arts in International Relations, 1995, Nihon University—Japan; Maestro en Antropología Social, 2000, Centro de Investigaciones y Estudios Superiores en Antropología Social—Mexico

Major: *Linguistics*

Dissertation: Japanese and Brazilian Female Teachers' Directive/Compliance-Gaining Strategies: A Language Socialization Perspective

Dissertation Chair: D. Boxer

Mary Margaret Nason, Bachelor of Science in Nursing *cum laude*, 1979, University of Alabama at Huntsville; Master of Science in Nursing, 2001, University of Florida

Major: *Nursing Sciences*

Minor: *Health Services Research*

Dissertation: Nurse Staffing and Patient Outcomes in the Rehabilitation Setting: Application of Production Function Theory

Dissertation Chair: D. F. Neff

- 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
- Adam Scott Neal, Bachelor of Music, 2003, Master of Music, 2007, Georgia State University; Master of Art in Sonic Arts, 2008, Queen’s University Belfast—United Kingdom  
 Major: *Music*  
 Dissertation: Buy, Build, Break: Experimental Composers and Objects  
 Dissertation Chair: J. P. Sain
- Khanh Ngoc Nghiem, Bachelor of Science in Psychology, 2003, Oklahoma State University; Master of Science, 2006, University of Florida  
 Major: *Counseling Psychology*  
 Dissertation: Testing the Roles of Perceived Provider Fairness and Patient/Provider Ethnicity/Race Concordance in a Patient-Centered Culturally Sensitive Health Care Model  
 Dissertation Chair: C. M. Tucker
- Deborah Lynn Nistler, Bachelor of Science, 1992, Master of Agriculture, 1997, Oregon State University  
 Major: *Agricultural Education and Communication*  
 Dissertation: Impact of 4-H Civic Engagement Education on Communities: A Measure of Social Capital in 4-H Alumni  
 Dissertation Chair: G. D. Israel
- Jia Niu, Bachelor of Management, 2005, Chang’an University—China; Master of Management, 2008, Xi’an University of Architecture and Technology—China  
 Major: *Design, Construction, and Planning*  
 Minor: *Computer Engineering*  
 Dissertation: Ontology-Based Semantic Interpretation Framework for Legal Analysis in Construction Claims  
 Dissertation Chair: R. Issa
- Mark J. Noordhoek, Bachelor of Science in Engineering, 2009, University of Michigan at Ann Arbor  
 Major: *Materials Science and Engineering*  
 Dissertation: Development of Classical Interatomic Potentials for Applications in Corrosion and Phase Transitions  
 Dissertation Chair: S. R. Phillpot
- Kamil W. Nowicki, Bachelor of Science *summa cum laude*, 2008, University of Florida  
 Major: *Medical Sciences—Molecular Cell Biology*  
 Dissertation: Role of Shear Stress Mediated Inflammation, ELR+ CXC Chemokines and Peroxisomal Proliferator Activated Receptor (PPAR) Pathway in Cerebral Aneurysm Formation  
 Dissertation Chair: B. L. Hoh
- Ismail Ocsoy, Lisans Diploması, 2006, Kirikkale Universitesi—Turkey; Master of Science, 2011, University of Florida  
 Major: *Chemistry*  
 Dissertation: Engineering Multifunctional Hybrid Nanomaterials for Bioanalytical and Biomedical Applications  
 Dissertation Chair: W. Tan
- Olihe N. Okoro, Bachelor of Pharmacy, 1998, Master of Pharmacy, 2004, University of Nigeria at Nsukka; Master of Public Health, 2013, University of Florida  
 Major: *Pharmaceutical Sciences—Pharmaceutical Outcomes and Policy*  
 Dissertation: Patient and Healthcare Provider Perceptions on Linkage to Care and Medication Adherence Among African American Women Living With HIV/AIDS: A Qualitative Comparative Study  
 Dissertation Chair: F. Odedina
- Martha Ann O’Neill, Bachelor of Science in Nursing, 1972, University of Michigan at Ann Arbor  
 Major: *Nursing Sciences*  
 Minor: *Sociology*  
 Dissertation: Relationship of Nursing Characteristics to Quality Outcomes  
 Dissertation Chair: D. F. Neff

- Akua Bonsu Oppong-Anane, Bachelor of Science in Chemical Engineering, 2002, Kwame Nkrumah University of Science and Technology—Ghana; Master of Science, 2007, University of Florida  
 Major: *Environmental Engineering Sciences*  
 Minor: *Soil and Water Science*  
 Dissertation: Insights Into the Mechanisms of Iron Reductive Dissolution in Vadose Zone Soils and Implications for Landfill  
 Activities: Predicting the Potential for Groundwater Pollution  
 Dissertation Chair: J. Bonzongo
- Yiqiang Ouyang, Bachelor of Engineering, 2007, China University of Geosciences; Master of Engineering, 2009, Wuhan University—China  
 Major: *Design, Construction, and Planning*  
 Dissertation: How Does the Built Environment Influence Crashes? A Spatio-Temporal Data Mining Approach  
 Dissertation Chair: I. Bejleri
- Matias A. 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
- Winifred V. Pankani Lindberg, Bachelor of Arts, 1998, University of Ghana; Master of Arts in International Studies, 2004, University of Oregon; Master of Arts, 2009, University of Florida  
 Major: *Political Science*  
 Dissertation: System Overload: A Reversed Collective Action Dilemma  
 Dissertation Chair: C. O'Dwyer
- Jiyoung Park, Bachelor of Science, 2002, Master of Science, 2004, Chonnam National University—South Korea  
 Major: *Plant Molecular and Cellular Biology*  
 Dissertation: Arabidopsis Burp Domain Protein: Atpg1beta Is Involved in Cell Size Regulation  
 Dissertation Chair: B. H. Kang
- 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
- Alexander Grey Pemba, Bachelor of Arts in Chemistry *magna cum laude*, 2008, Texas A&M University at College Station  
 Major: *Chemistry*  
 Dissertation: Polyacetals From Bioderived Starting Materials as Potential Replacements for Commodity Packaging Plastics  
 Dissertation Chair: S. A. Miller
- Cinthia Cristina Pérez Sigüenza, Titulo de Ingeniera Industrial, 2004, Escuela Superior Politecnica del Litoral—Ecuador; Master of Science, 2009, University of Florida  
 Major: *Industrial and Systems Engineering*  
 Dissertation: Optimization Models for Sourcing and Distribution Systems  
 Dissertation Chair: J. P. Geunes
- Ryan Josef Peseckas, Bachelor of Science in Marine Science, 2003, Eckerd College—Florida; Master of Arts, 2008, University of Florida  
 Major: *Anthropology*  
 Dissertation: Island Connections: Mobile Phones and Social Change in Rural Fiji  
 Dissertation Chair: G. F. Murray
- Danny David Pinedo García, Licenciada en Antropología, 2007, Universidad Nacional Mayor de San Marcos—Peru; Master of Arts, 2010, University of Florida  
 Major: *Anthropology*  
 Dissertation: The Politics of Sociality: Social Ties, Social Networks, and Activism in Peruvian Amazonia  
 Dissertation Chair: M. C. Schmink

- Rosha Pokharel, Bachelor of Engineering, 2009, Kathmandu University–Nepal; Master of Science, 2013, University of Florida  
 Major: *Electrical and Computer Engineering*  
 Dissertation: Robust Kernel Adaptive Learning for Online Supervised Systems  
 Dissertation Chair: J. C. Principe
- Sherri Kay Prosser, Bachelor of Arts in Education, 1996, Master of Education, 1997, University of Florida  
 Major: *Curriculum and Instruction*  
 Dissertation: Teacher Mathematical Identity and Participation in an Online Teacher Professional Development (OTPD) Program  
 Dissertation Chair: S. J. Pape  
 Dissertation Co-chair: N. L. Dana
- Jason A. Pukala, Bachelor of Science in Electrical Engineering *summa cum laude*, 2004, Master of Science, 2005, Master of Science, 2010, University of Florida  
 Major: *Biomedical Engineering*  
 Dissertation: Uncertainties in Adaptive Radiation Therapy for Patients With Cancers of the Head and Neck  
 Dissertation Chair: F. J. Bova
- Qiuyin Qi, Bachelor of Management Science, 2008, Master of Science, 2010, Nanjing University–China  
 Major: *Geography*  
 Minor: *Spatial Epidemiology*  
 Dissertation: Impacts of Socioeconomic Factors on Malaria Transmission: Urbanization, Armed Conflicts and Economic Conditions  
 Dissertation Chair: A. J. Tatem  
 Dissertation Co-chair: T. J. Fik
- Yan Qiao, Bachelor of Engineering, 2009, Shanghai Jiaotong University–China  
 Major: *Computer Engineering*  
 Dissertation: Efficient Data Structures and Protocols With Applications in Space-Time Constrained Systems  
 Dissertation Chair: S. Chen
- Hanyao Qiu, Bachelor of Law, 2008, Renmin University of China; Master of Arts, 2011, University of Florida  
 Major: *Sociology*  
 Minor: *Statistics*  
 Dissertation: Early Socioeconomic Attainment and the Lasting Effects of Adult Health for Employment Stability  
 Dissertation Chair: R. G. White  
 Dissertation Co-chair: C. L. Shehan
- Amer M. Qouneh, Bachelor of Science in Electrical Engineering, 1985, Master of Science, 1988, Master of Science, 1988, Fairleigh Dickinson University at Teaneck–New Jersey; Master of Science in Computer Science, 2007, University of Wisconsin at Milwaukee; Master of Science, 2010, University of Florida  
 Major: *Electrical and Computer Engineering*  
 Dissertation: Exploring Thermal/Power Optimization for Emerging Computing Platforms: Think Big, Act Small  
 Dissertation Chair: T. Li
- Katalin Franciska Rac, Bachelor of Arts, 1999, Hebrew University of Jerusalem–Israel; Master of Arts in Nationalism Studies, 2005, Central European University–Hungary; Oklevel, 2005, Budapesti Corvinus Egyetem–Hungary  
 Major: *History*  
 Dissertation: Orientalism for the Nation: Jews and Oriental Scholarship in Modern Hungary  
 Dissertation Chair: A. Freifeld  
 Dissertation Co-chair: M. B. Hart
- Shanty Yulianti Rachmat, Sarjana Teknik, 2002, Magister Teknik, 2005, Institut Teknologi Bandung–Indonesia; Master of Science, 2005, Rijksuniversiteit Groningen–Netherlands  
 Major: *Design, Construction, and Planning*  
 Dissertation: The Relationship of Time-of-Day Travel and Built Environment in Southeast Florida: Incorporating Parking Characteristics in Downtown Miami and Fort Lauderdale  
 Dissertation Chair: R. L. Steiner  
 Dissertation Co-chair: P. D. Zwick



- Marcio Fernando Ribeiro de Resende Jr., Engenheiro Florestal, 2008, Titulo de Magister Scientiae, 2010, Universidade Federal de Vicosa—Brazil  
 Major: *Genetics and Genomics*  
 Dissertation: Genomic Selection Methods to Estimate Additive and Non-Additive Effects and Select the Best Individuals and the Best Crosses in a Breeding Program  
 Dissertation Chair: M. Kirst
- Christopher Lee Richards, Bachelor of Arts in Anthropology *magna cum laude*, 2005, Rollins College—Florida; Master of Arts in Anthropology, 2007, Arizona State University  
 Major: *Art History*  
 Dissertation: We Have Always Been Fashionable: The Significance of Fashion in Accra, Ghana, from 1953-2013  
 Dissertation Chair: V. Rovine
- Alejandro Riveros Walker, Licenciado en Ingenieria Forestal, 1994, Titulo de Ingeniero Forestal, 2001, Universidad de Chile  
 Major: *Forest Resources and Conservation*  
 Minor: *Statistics*  
 Dissertation: Genetic Architecture of Juvenile Wood Density Traits in Loblolly Pine (*Pinus Taeda L.*) with Pedigree and Genomics Additive and Non-Additive Relationship Matrices  
 Dissertation Chair: G. F. Peter
- Vermalí Rodríguez De Jesús, Bachelor of Science in Biotechnology, 2006, University of Puerto Rico at Mayaguez  
 Major: *Medical Sciences—Physiology and Pharmacology*  
 Dissertation: Understanding Porenin-Induced Hypothalamic Astrocyte Activation and the Role of Astrogliosis During Neurogenic Hypertension  
 Dissertation Chair: C. Sumners
- Ignacio Alejandro Rodriguez Jorquera, Licenciado en Medicina Veterinaria, 2004, Titulo de Medico Veterinario, 2006, Universidad de Chile  
 Major: *Interdisciplinary Ecology*  
 Dissertation: Fate, Transport, and Toxicity of Perfluorochemicals in Wastewater Dominant Systems  
 Dissertation Chair: G. S. Toor  
 Dissertation Co-chair: N. D. Denslow
- Heather N. Rothrock, Bachelor of Science in Biology, 2005, Eckerd College—Florida  
 Major: *Environmental Engineering Sciences*  
 Dissertation: Think Globally, Act Locally: Using Energy Analysis to Evaluate Small-Scale, Human-Dominated Systems  
 Dissertation Chair: M. T. Brown
- Wenya Wang Rowe, Bachelor of Science, 2003, Fujen Catholic University—Taiwan; Master of Science, 2005, National Cheng Kung University—Taiwan  
 Major: *Physics*  
 Dissertation: Spin Fluctuation Theory for Unconventional Superconductivity in Antiferromagnetic Metals  
 Dissertation Chair: P. J. Hirschfeld
- William T. Rowe, Bachelor of Science in Electrical Engineering *cum laude*, 2009, Master of Science, 2010, University of Florida  
 Major: *Electrical and Computer Engineering*  
 Dissertation: Spectrally Constrained Active Sensing Waveform and Receiver Filter Design  
 Dissertation Chair: J. Li
- Thomas M. Royal, Bachelor of Science, 2005, Austin Peay State University—Tennessee; Master of Music, 2008, University of North Carolina at Greensboro  
 Major: *Music*  
 Dissertation: The Performance of Music Using Computers and Its Reconceptation as Play  
 Dissertation Chair: P. C. Koonce
- Eric D. Rubenstein, Bachelor of Science, 2007, Pennsylvania State University; Master of Science, 2012, University of Florida  
 Major: *Agricultural Education and Communication*  
 Dissertation: Exemplary Supervised Agricultural Experience Programs in Rural Secondary Schools  
 Dissertation Chair: A. C. Thoron

- Amanda Nicole Sacino, Bachelor of Arts in Studies in Neurochemistry *magna cum laude*, 2009, Bachelor of Arts in Biochemistry and Molecular Biology, 2009, Boston University—Massachusetts  
 Major: *Medical Sciences—Neuroscience*  
 Dissertation: Studies of Induction of Alpha-Synuclein Inclusion Pathology  
 Dissertation Chair: T. E. Golde  
 Dissertation Co-chair: B. Giasson
- Dipta Saha, Bachelor of Science in Physics, 2003, Master of Science in Physics, 2005, University of Dhaka—Bangladesh  
 Major: *Physics*  
 Dissertation: Magneto-Optical Properties of Narrow Gap Semiconductor Nanostructures  
 Dissertation Chair: C. J. Stanton
- Tal H. Salz, Bachelor of Science, 2008, Bar-Ilan University—Israel  
 Major: *Medical Sciences—Biochemistry and Molecular Biology*  
 Dissertation: Novel Roles for Human SETD1A Histone Methyltransferase in Regulation of Canonical Wnt-Signaling Pathway, Cellular Proliferation, and Metastasis  
 Dissertation Chair: S. Huang
- Edith Marion Sampson, Bachelor of Science *cum laude*, 1999, Master of Science, 2004, University of Florida  
 Major: *Medical Sciences—Immunology and Microbiology*  
 Dissertation: Streptococcus Mutans OMZ175 Invasion of Human Tissues in Culture  
 Dissertation Chair: A. Progulsk-Fox
- Cynthia Bissett Sanders, Bachelor of Science in Agriculture, 1991, Master of Science, 2005, University of Florida  
 Major: *Agricultural Education and Communication*  
 Dissertation: Leadership Competencies and Needs as Perceived by County and District Extension Directors and County Administration in Florida  
 Dissertation Chair: E. W. Osborne
- Joshua Adam Sbicca, Bachelor of Science in Sociology, 2005, Santa Clara University—California; Master of Arts, 2010, University of Florida  
 Major: *Sociology*  
 Dissertation: Mapping Power Relations in the Alternative Food Movement: Uneven Resistance to Inequality in the Spaces of Food Labor and Urban Land Use Politics  
 Dissertation Chair: B. M. Mayer  
 Dissertation Co-chair: S. G. Perz
- Katie A. Schubert, Bachelor of Arts in Criminology *cum laude*, 2005, Bachelor of Arts in Anthropology *cum laude*, 2005, University of California at Irvine; Master of Arts, 2007, University of Florida  
 Major: *Sociology*  
 Dissertation: Internet Dating and Doing Gender: An Analysis of Women's Experiences Dating Online  
 Dissertation Chair: C. L. Shehan
- Kurt Donald Schulze, Master of Science in Mechanical Engineering, 1985, Naval Postgraduate School—California  
 Major: *Mechanical Engineering*  
 Dissertation: Unified Design Methodology Based on Second Damkohler Number for Colorless Distributed Combustion and Conventional Flame Regimes  
 Dissertation Chair: W. E. Lear
- Amy Schwartzott, Bachelor of Arts in Behavioral Sciences, 1987, Drew University—New Jersey; Master of Arts in Art History, 1998, State University of New York at Buffalo  
 Major: *Art History*  
 Dissertation: Weapons and Refuse as Media: The Potent Politics of Recycling in Contemporary Mozambican Urban Arts  
 Dissertation Chair: V. Rovine
- Lisa Anne Seales, Bachelor of Science, 1998, University of Oregon; Master of Science, 2008, University of Florida  
 Major: *Interdisciplinary Ecology*  
 Dissertation: Collaborative Water Management in Oregon: Perceptions, Policies, and Partnerships  
 Dissertation Chair: T. V. Stein

Yasemin Sert, Lisans, 2006, Yuksek Lisans, 2008, Marmara Universitesi—Turkey

Major: *Curriculum and Instruction*

Dissertation: The Effects of Using Connected Classroom Technology on Representational Fluency

Dissertation Chair: S. J. Pape

Dissertation Co-chair: T. Jacobbe

Denise Marie Sharbaugh, Bachelor of Science in Chemistry, 2003, Dickinson College—Pennsylvania

Major: *Chemistry*

Dissertation: The Effect of Phospholipase A2 on the Precipitation and Attachment of Calcium Oxalate Monohydrate at Lipid Interfaces

Dissertation Chair: D. R. Talham

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

Major: *Electrical and Computer Engineering*

Dissertation: The Adaptive Time Machine

Dissertation Chair: J. G. Harris

Suwan Shen, Bachelor of Science, 2008, Southeast University—China; Master of Arts in Urban and Regional Planning, 2010, University of Florida

Major: *Design, Construction, and Planning*

Dissertation: An Integrated Approach to Coastal Community's Vulnerability Analysis: Case Study in Tampa Bay Region

Dissertation Chair: Z. Peng

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 III, Bachelor in English Literature, 1995, University of North Florida; Master of Arts, 2003, University of Florida

Major: *English*

Dissertation: Saved by Zero: Sovereignty and (Super) Heroics After 9/11

Dissertation Chair: J. P. Leavey

Matthew C. Shields, Bachelor of Science, 2010, Master of Science *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

Caroline Stone Short, Bachelor of Arts in English, 2006, Master of Arts, 2009, Clemson University—South Carolina

Major: *English*

Dissertation: The Material Remains: Discursive Consequences of the Upgrade Path

Dissertation Chair: S. I. Dobrin

Hannah Wakley Siburt, Bachelor of Science in Communication Sciences and Disorders, 2005, Radford University—Virginia; Doctor of Audiology, 2009, University of Florida

Major: *Communication Sciences and Disorders*

Dissertation: The Effects of Hearing Aid Programming on Speech, Prosody, and Music Perception in Bimodal Listeners

Dissertation Chair: A. E. Holmes

Marissa A. Silber Grayson, Bachelor of Arts in Political Science *cum laude*, 2004, University of Southern California; Master of Arts, 2006, University of Florida

Major: *Political Science*

Dissertation: Leaving Implementation Behind: Understanding the Failures of the Bipartisan No Child Left Behind Act of 2002

Dissertation Chair: L. C. Dodd

Dissertation Co-chair: B. A. Rosenson

- Jugpreet Singh, Bachelor of Science in Agriculture, 2005, Master of Science in Vegetable Crops, 2007,  
Punjab Agricultural University—India  
Major: *Horticultural Sciences*  
Dissertation: Identification of QTLs Associated With Root Architectural Pattern During Domestication of Common Bean  
(*Phaseolus Vulgaris L.*)  
Dissertation Chair: C. E. Vallejos
- 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
- Brandon B. Smock, Bachelor of Science *cum laude*, 2006, Master of Science, 2008, University of Florida  
Major: *Computer Engineering*  
Dissertation: An Integrated Signal Analysis and Machine Learning Framework for Timbre Manipulation in Music Composition  
Dissertation Chair: A. Rangarajan
- Matthew A. Snowball, Bachelor of Science, 2009, Master of Science, 2013, University of Florida  
Major: *Physics*  
Dissertation: Observation of a Higgs Boson in the  $H \rightarrow ZZ \rightarrow 4L$  Decay Channel and Using  $Z \rightarrow 4L$  Decays as a Calibration  
Tool in Studies of the Higgs Boson Properties  
Dissertation Chair: P. R. Avery  
Dissertation Co-chair: A. Korytov
- Matthew John Snyder, Bachelor of Arts *summa cum laude*, 2006, Florida Atlantic University; Master of Arts, 2009,  
University of Florida  
Major: *English*  
Dissertation: Otherworldly Bodies: Reading the Revenant in Middle English Literature  
Dissertation Chair: R. A. Shoaf
- Minjun Son, Bachelor of Science *cum laude*, 2007, University of Florida  
Major: *Physics*  
Dissertation: Analysis of Stochasticity in Competence Regulation of *Streptococcus Mutans* Using Microfluidics and Single  
Cell Analysis  
Dissertation Chair: S. J. Hagen
- Meghan S. Soustek, Bachelor of Science in Chemistry, 2008, Western Illinois University  
Major: *Medical Sciences—Genetics*  
Dissertation: Pathogenesis of Tafazzin Deficiency in a Murine Model of Barth Syndrome  
Dissertation Chair: B. J. Byrne
- Pierre Tony St. Juste, Bachelor of Science in Computer Engineering, 2005, Master of Science, 2007, University of Florida  
Major: *Electrical and Computer Engineering*  
Dissertation: A Peer-to-Peer Architecture for Social Networking Applications  
Dissertation Chair: R. J. Figueiredo
- Jennifer J. Stamps, Bachelor of Arts in Psychology, 2001, Vanderbilt University—Tennessee  
Major: *Medical Sciences—Neuroscience*  
Dissertation: Chemosensory Function During Healthy Aging, Alzheimer's, and Parkinson's Disease  
Dissertation Chair: L. M. Bartoshuk  
Dissertation Co-chair: K. M. Heilman
- Eric B. Stetler, Bachelor of Arts *cum laude*, 2009, Master of Science, 2011, University of Florida  
Major: *Mathematics*  
Dissertation: Multiplication Operators on Hilbert Spaces of Dirichlet Series  
Dissertation Chair: S. McCullough
- Gabriela Stocks, Bachelor of Arts, 1998, University of Chicago—Illinois; Master of Arts, 2007, University of Florida  
Major: *Anthropology*  
Dissertation: Assessing the Long-Term Effects of Development-Forced Displacement and Resettlement: The Case of  
Nuevo Arenal, Costa Rica  
Dissertation Chair: A. R. Oliver Smith

- Sherwin Kenneth Sy, Bachelor of Science with honours, 1996, Master of Science, 1998, University of Toronto—Canada; Master of Science in Statistics, 2010, Temple University—Pennsylvania  
 Major: *Pharmaceutical Sciences—Pharmacy*  
 Dissertation: Dosing Strategies of Antibiotic Combinations to Overcome Resistance  
 Dissertation Chair: H. C. Derendorf
- Mary Lucy Szafraniec, Bachelor of Science in Biology, 2001, University of South Florida; Master of Science, 2009, University of Florida  
 Major: *Environmental Engineering Sciences*  
 Dissertation: Spectral Distribution of Light in Florida Spring Ecosystems: Factors Affecting the Quantity and Quality of Light Available for Primary Producers  
 Dissertation Chair: J. J. Delfino  
 Dissertation Co-chair: M. T. Brown
- Bitá Tadayon, Bachelor of Science, 2008, Master of Science, 2010, Sharif University of Technology—Iran  
 Major: *Industrial and Systems Engineering*  
 Dissertation: Algorithms and Complexity Analysis for Integer Multicommodity Network Flow and Robust Single-Machine Scheduling Problems  
 Dissertation Chair: J. Smith
- Nii Adjeteɔ Tawiah, Bachelor of Arts, 1999, University of Ghana; Master of Arts in Sociology *magna cum laude*, 2010, North Carolina Central University  
 Major: *Sociology*  
 Dissertation: Maternal Job Loss and Inequalities in Child Academic Achievement  
 Dissertation Chair: R. G. White
- Adina M. Thompson, Bachelor of Science in Journalism *magna cum laude*, 2007, Master of Arts, 2011, University of Florida  
 Major: *Criminology, Law, and Society*  
 Dissertation: The Aftermath: Two Comparisons of the Social Consequences of DNA and Non-DNA Exoneration  
 Dissertation Chair: L. M. Levett
- Izabella Maria Michelin Toledo Thompson, Titulo de Medico Veterinario, 2003, Pontificia Universidade Catolica do Parana—Brazil; Master of Science, 2009, University of Florida  
 Major: *Animal Sciences*  
 Dissertation: Late Gestation Heat Stress Effects on Cow Productive, Reproductive, and Health Performance  
 Dissertation Chair: G. E. Dahl
- Francesco Tonini, Laurea in Statistica, 2007, Universita Degli Studi di Firenze—Italy; Laurea Specialistica, 2010, Universita Degli Studi di Roma “La Sapienza”—Italy  
 Major: *Forest Resources and Conservation*  
 Dissertation: Modeling the Spread and Geographic Distribution of Invasive Termites in Florida  
 Dissertation Chair: H. H. Hochmair
- José Antonio Tovar-Aguilar, Licenciado en Filosofia, 1997, Universidad de Guanajuato—Mexico; Master of Arts, 2008, University of Florida  
 Major: *Anthropology*  
 Dissertation: Strategies of Safety and Health Among Citrus Farmworkers in Florida: A Cultural and Social Network Approach  
 Dissertation Chair: C. McCarty
- Jessica Kathleen Towery, Bachelor of Science in Chemistry *magna cum laude*, 2007, North Carolina State University  
 Major: *Chemistry*  
 Dissertation: Mechanistic Studies of the Oxidation of Various Functional Groups by Chlorine Dioxide: Reaction Kinetics and Modeling  
 Dissertation Chair: D. E. Richardson
- Peter Tsyurmasto, Bachelor of Science in Applied Mathematics and Physics, 2008, Master in Applied Mathematics and Physics, 2010, Moscow Institute of Physics and Technology—Russia; Master of Science, 2013, University of Florida  
 Major: *Industrial and Systems Engineering*  
 Dissertation: Risk Management Approaches in Data Mining  
 Dissertation Chair: S. Uryasev

- Christopher G. Turner, Bachelor of Science in Materials Science and Engineering, 2010, Master of Science, 2013,  
University of Florida  
Major: *Materials Science and Engineering*  
Dissertation: Dielectric Phenomena of Oxides With Fluorite Related Super Structures  
Dissertation Chair: J. C. Nino
- 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
- Melek Nihan Ucisik, Bachelor of Science in Chemistry, 2009, Bogazici University—Turkey  
Major: *Chemistry*  
Dissertation: Computational Studies on the Energetics and Dynamics of Biomolecular Systems  
Dissertation Chair: K. M. Merz  
Dissertation Co-chair: E. Deumens
- Traci L. Van Deest, Bachelor of Arts in Anthropology and Religion, 2002, University of Iowa; Master of Arts in Anthropology,  
2007, California State University at Chico  
Major: *Anthropology*  
Dissertation: Physical and Biochemical Alterations of Heat Exposed Bone in Relation to Ultraviolet Fluorescence  
Dissertation Chair: M. W. Warren
- Karl Van Wyk, Bachelor of Science in Mechanical Engineering, 2009, Vanderbilt University—Tennessee; Master of Science,  
2011, University of Florida  
Major: *Mechanical Engineering*  
Dissertation: Grasping and Manipulation Force Control for Coordinating Multi-Manipulator Robotic Systems With  
Proprioceptive Feedback  
Dissertation Chair: G. J. Wiens
- Carrie L. Vath, Bachelor of Science in Zoology, 2003, Humboldt State University—California; Master of Science, 2008,  
University of Florida  
Major: *Interdisciplinary Ecology*  
Dissertation: Social and Economic Dimensions of the Bushmeat Trade in Cross River State Nigeria: An Ethno-Biological  
Approach to Conservation  
Dissertation Chair: S. K. Robinson
- Byron Patricio Vega Jimenez, Titulo de Ingeniero Agronomo, 2002, Universidad Central del Ecuador; Master of Science,  
2009, University of Puerto Rico at Mayaguez  
Major: *Plant Pathology*  
Dissertation: Characterization of Resistance to Respiration Inhibitor Fungicides in Populations of Tangerine-Infecting  
*Alternaria Alternata*  
Dissertation Chair: M. M. Dewdney
- Robin Globus Veldman, Artium Baccalaureus in Environmental Studies *magna cum laude*, 2002, Dartmouth College—New  
Hampshire; Master of Arts, 2008, University of Florida  
Major: *Religion*  
Dissertation: An Inconvenient Faith? Conservative Christianity, Climate Change, and the End of the World  
Dissertation Chair: B. Taylor
- Prasanna Kumar Venuvanalingam, Bachelor of Engineering, 2005, Anna University—India; Master of Science, 2009,  
University of Florida  
Major: *Mechanical Engineering*  
Dissertation: Bubble Sliding Heat Transfer Enhancement in Forced Convective Flow: Liquid Crystal Thermographic and  
Computational Study  
Dissertation Chair: J. F. Klausner  
Dissertation Co-chair: R. Mei

- Melissa J. Vilaro, Bachelor of Arts in Psychology, 2005, Tufts University—Massachusetts; Master of Public Health, 2008, University of Florida  
 Major: *Public Health*  
 Dissertation: Social, Spatial, and Identity-Driven Determinants of Diet Among Rural Women  
 Dissertation Chair: T. E. Barnett
- Paula Andrea Viveros Bedoya, Licenciado en Biología y Educación Ambiental, 2001, Titulo de Magister en Ciencias Biología Vegetal, 2007, Universidad del Quindío—Colombia  
 Major: *Fisheries and Aquatic Sciences*  
 Dissertation: The Impacts of Temporal Shifts in River Discharge on Phytoplankton Biomass in Apalachicola Bay, Florida  
 Dissertation Chair: E. J. Phelps
- Ekaterina A. Vorotnikova, Bachelor of Science in Computer Engineering, 2005, Master of Arts, 2009, University of South Florida; Master of Science, 2013, University of Florida  
 Major: *Food and Resource Economics*  
 Dissertation: Risk Management and Allocation in Dynamic Systems  
 Dissertation Chair: J. J. Vansickle  
 Dissertation Co-chair: T. Borisova
- David R. Walker, Bachelor of Science in Mechanical Engineering, 2009, Master of Science, 2012, University of Florida  
 Major: *Mechanical Engineering*  
 Dissertation: Patient Specific Computational Modeling to Assess Reverse Shoulder Arthroplasty  
 Dissertation Chair: S. A. Banks
- Arun Wanchoo, Bachelor of Science, 2007, University of Florida  
 Major: *Microbiology and Cell Science*  
 Dissertation: Characterization of Chemosensory Proteins From the Red Imported Fire Ant, *Solenopsis Invicta*  
 Dissertation Chair: N. Keyhani
- Bo Wang, Bachelor of Science, 2006, Master of Science, 2009, Tsinghua University—China  
 Major: *Biomedical Engineering*  
 Dissertation: Photoacoustic Technologies and Its Application in the Study of Epileptic Seizures in Rats  
 Dissertation Chair: H. Jiang
- Ruoxuan Wang, Bachelor of Engineering, 2008, Tsinghua University—China  
 Major: *Business Administration—Information Systems and Operations Management*  
 Dissertation: Essays on Supply Chain Coordination  
 Dissertation Chair: J. E. Carrillo
- Yan Wang, Bachelor of Science, 2008, Fudan University—China; Master of Science, 2010, University of Florida  
 Major: *Physics*  
 Dissertation: Theory of Gap Symmetry and Structure in Fe-Based Superconductors  
 Dissertation Chair: P. J. Hirschfeld
- Joel Ochieng Wao, Bachelor of Arts in Building Economics, 2005, University of Nairobi—Kenya; Master of Education in Curriculum Instruction, 2008, University of South Florida  
 Major: *Design, Construction, and Planning*  
 Dissertation: Value Engineering Methodology to Improve Building Sustainability Outcomes  
 Dissertation Chair: R. J. Ries  
 Dissertation Co-chair: I. Flood
- Joshua N. Weaver, Bachelor of Science in Electrical Engineering *magna cum laude*, 2007, Florida State University; Master of Science, 2011, University of Florida  
 Major: *Electrical and Computer Engineering*  
 Dissertation: Collaborative Coordination and Control for an Implemented Heterogeneous Swarm of UAVs and UGVs  
 Dissertation Chair: A. A. Arroyo
- Reid S. Weber, Bachelor of Arts in History, 2003, Wayne State College—Nebraska; Master of Arts in History, 2007, Northern Illinois University  
 Major: *History*  
 Dissertation: A Preacher's Priorities: Jan Hus and Late Medieval Homiletics  
 Dissertation Chair: H. P. Louthan

- Johann Everton Weekes, Bachelor of Science in Civil Engineering *cum laude*, 2004, Master of Engineering, 2006,  
University of Florida  
Major: *Civil Engineering*  
Dissertation: Predicting the Vulnerability of Typical Commercial and Single Family Residential Buildings to Hurricane Damage  
Dissertation Chair: K. R. Gurley
- Andrew John Wehle, Bachelor of Science, 1992, Master of Arts, 2000, University of Florida  
Major: *Design, Construction, and Planning*  
Dissertation: A Study of Passive and Active Leading Indicators of Safety in Construction Management  
Dissertation Chair: R. Issa  
Dissertation Co-chair: S. Olbina
- Roberto E. Weiss, Bachelor of Arts, 2005, University of California at Riverside; Master of Arts in Romance Languages,  
2009, University of Memphis—Tennessee  
Major: *Romance Languages—Spanish*  
Dissertation: Acts of Defiance: Malvinas and the Politics of Jouissance in Argentine Literature and Film  
Dissertation Chair: M. Sorbille
- John S. Wiehl, Bachelor of Arts in English, 2004, Master of Arts in English, 2007, University of Kansas  
Major: *English*  
Dissertation: The Political is the Religious: Authority, Protestant Doctrine, and Representative Democracy  
Dissertation Chair: P. K. Gilbert
- Jacob Malone Williams, Bachelor of Science in Psychology, 2008, University of North Texas; Master of Science, 2010,  
University of Florida  
Major: *Psychology—Clinical and Health Psychology*  
Dissertation: A Novel Application of a Biopsychosocial Theory in the Understanding of Disturbed Sleep Before and After  
Kidney Transplantation  
Dissertation Chair: C. S. McCrae
- Twyla R. Willoughby, Bachelor of Science, 1991, Northwest Nazarene University—Idaho; Master of Science in Biomedical Sciences,  
1994, University of Texas Health Science Center at Houston  
Major: *Biomedical Engineering*  
Dissertation: Design, Development, and Validation of a Virtual Radiation Oncology Clinic for Error Training  
Dissertation Chair: F. J. Bova
- Jean Marie Callahan Willsie, Bachelor of Science *magna cum laude*, 1988, Master of Education, 1993, Specialist in Education,  
1993, University of Florida  
Major: *Marriage and Family Counseling*  
Dissertation: Assessing the Efficacy of Couple Relationship Education With Cohabiting Couples  
Dissertation Chair: P. A. Sherrard
- Timothy J. Wilson, Bachelor of Science in Criminology *cum laude*, 1997, Master of Arts, 2002, Ball State University—Indiana  
Major: *Higher Education Administration*  
Dissertation: Assessing Internationalization Efforts: Utilizing Item Response Theory to Validate Intercultural Competency and  
Global Awareness in Postsecondary Undergraduate Students  
Dissertation Chair: D. F. Campbell  
Dissertation Co-chair: M. D. Miller
- Christopher James Witulski, Bachelor of Music *magna cum laude*, 2004, Master of Music, 2007, State University of New York  
at Potsdam; Master of Music, 2009, University of Florida  
Major: *Music*  
Dissertation: Changing Tastes: Popular Music's Influence on Performance Practice in the Moroccan Gnawa Ritual  
Dissertation Chair: L. N. Crook
- Lindsey J. Woodworth, Bachelor of Business Administration in Economics, 2009, Wichita State University—Kansas;  
Master of Arts, 2011, University of Florida  
Major: *Economics*  
Dissertation: Quasi-Experimental Studies in Health Economics  
Dissertation Chair: S. E. Hamersma



- Shelton L. Wright Jr., Bachelor of Science in Chemical Engineering, 2002, Bachelor of Science, 2005, University of Florida  
 Major: *Agricultural and Biological Engineering*  
 Minor: *Environmental Engineering Sciences*  
 Dissertation: A Dynamic Mathematical Model to Predict Fed-Batch Growth and Lipid Productivity in the Diatom  
*Phaeodactylum Tricornutum* Under a Potentially Multi-Nutrient Limiting Environment  
 Dissertation Chair: B. A. Welt
- Chin-Lung Wu, Bachelor of Science, 2000, National Cheng Kung University—Taiwan; Master of Science, 2002,  
 National Taiwan University  
 Major: *Agricultural and Biological Engineering*  
 Dissertation: Effects of Water Retention on the Water Dynamics of Wetlandupland Systems on the Ranchlands in the Lake  
 Okeechobee Watershed, Florida  
 Dissertation Chair: S. Shukla  
 Dissertation Co-chair: W. D. Graham
- Chaoyu Xiang, Bachelor of Science, 2009, Fudan University—China  
 Major: *Materials Science and Engineering*  
 Dissertation: On Microcavity and Triplet Exciton Behavior in Organic and Hybrid Light Emitting Diodes  
 Dissertation Chair: F. So
- Zhiming Xiao, Bachelor of Engineering and Technology, 2006, Huazhong University of Science and Technology—China;  
 Master of Science, 2008, University of Florida  
 Major: *Electrical and Computer Engineering*  
 Dissertation: Low Power Circuits and Systems for Brain Machine Interfaces  
 Dissertation Chair: R. Bashirullah
- Weikai Xu, Bachelor of Science, 2009, Huazhong University of Science and Technology—China; Master of Science, 2011,  
 University of Florida  
 Major: *Electrical and Computer Engineering*  
 Dissertation: Electrical Noise and Charge Transport Studies of Algan/Gan High Electron Mobility Transistors  
 Dissertation Chair: G. Bosman
- Xie Xu, Bachelor of Engineering, 2009, Tianjin University—China; Master of Science, 2013, University of Florida  
 Major: *Computer Engineering*  
 Dissertation: Volumetric Data Reconstruction From Irregular Samples and Compressively Sensed Measurements  
 Dissertation Chair: A. Entezari
- Bidhyananda Yadav, Master of Science, 2004, Wageningen University—Netherlands; Master of Science, 2009, University of Florida  
 Major: *Civil Engineering*  
 Dissertation: Direct Stream Hydrograph Prediction From Digital Elevation Model  
 Dissertation Chair: K. Hatfield
- Fei Yang, Bachelor of Science, 2007, Beijing Normal University—China; Master of City and Regional Planning, 2009,  
 Iowa State University  
 Major: *Design, Construction, and Planning*  
 Dissertation: Employ Cost-Benefit Analysis to Evaluate the Cost Efficiency of Major Sea Level Rise Adaptive Strategies  
 Dissertation Chair: Z. Peng
- Sencer Nuri Yeralan, Bachelor of Science in Computer Engineering *cum laude*, 2006, University of Florida  
 Major: *Computer Engineering*  
 Dissertation: High Performance Computing With Sparse Matrices and GPU Accelerators  
 Dissertation Chair: T. A. Davis
- Yiming Yin, Bachelor of Science, 2009, Peking University—China  
 Major: *Medical Sciences—Immunology and Microbiology*  
 Dissertation: Systemic Lupus Erythematosus Is Associated With Enhanced CD4 T Cell Metabolism and Can Be Normalized  
 by Metabolic Modulators  
 Dissertation Chair: L. Morel
- 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

Kateryna Zhalnina, Bakalavr Diploma, 2004, Marictpa Diploma, 2005, V. N. Karazin Kharkiv National University—Ukraine

Major: *Microbiology and Cell Science*  
Dissertation: Ammonia-Oxidizing Archaea in Soils  
Dissertation Chair: E. W. Triplett

Kexin Zhao, Bachelor of Engineering, 2009, University of Science and Technology of China; Master of Science, 2011, University of Florida

Major: *Electrical and Computer Engineering*  
Dissertation: Underwater Acoustic Signal Processing and Its Applications  
Dissertation Chair: J. Li

Ronghui Zhou, Bachelor of Science, 2003, Zhejiang University—China; Master of Science, 2006, Pohang University of Science and Technology—South Korea

Major: *Chemistry*  
Dissertation: Studies of Hydrogenation Catalysis Using Hyperpolarized NMR  
Dissertation Chair: C. R. Bowers

Dennis W. Zielstra, Diplom-Geograph, 2009, Rheinische Freidrich-Wilhelms Universitat at Bonn—Germany

Major: *Forest Resources and Conservation*  
Dissertation: Assessing the Quality, Suitability, and Usability of User Generated Content for Routing Applications  
Dissertation Chair: H. H. Hochmair

## DOCTOR OF EDUCATION

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Anthony Robert Altieri, Bachelor of Arts in Sociology, 1997, Saint John Fisher College—New York;

Master of Science in Education, 1999, Canisius College—New York; Master of Business Administration, 2010, Lynn University—Florida

Major: *Higher Education Administration*  
Dissertation: The Pathway to Self-Authorship: Student Perspectives on a Required Service Learning Experience  
Dissertation Chair: D. F. Campbell

Morgan Ann Barnett, Bachelor of Science in Psychology, 2003, Master of Arts in Psychology, 2005, University of North Florida

Major: *Higher Education Administration*  
Dissertation: Faculty Perceptions of Their Training to Teach Online at a Florida State College: A Case Study  
Dissertation Chair: C. A. Sandeen

Latasha L. Bowens, Bachelor of Arts in Education Social Studies, 2001, Master of Education in Educational Leadership, 2005, University of North Florida

Major: *Higher Education Administration*  
Dissertation: Florida's K20 Education Model: A Policy Analysis of Legislation Related to Postsecondary Readiness and Participation of Students of Color  
Dissertation Chair: B. Oliver

Patrick A. Capriola, Bachelor of Arts in History, 2004, State University of New York at Buffalo; Master of Education, 2009, University of North Florida

Major: *Educational Leadership*  
Dissertation: The Availability of CTE Programs in the United States Based on Poverty Concentration and the Participation in Them by Dropout Prevention Students  
Dissertation Chair: B. Oliver

Lisandra Dejesus, Bachelor of Science, 1993, State University of New York at New Paltz; Master of Arts, 2000, Norfolk State University—Virginia

Major: *Higher Education Administration*  
Dissertation: Experiences of African Americans Participating in Male Mentorship Programs at Select Institutions in the Florida College System  
Dissertation Chair: C. A. Sandeen

- Gina Baratta Doeble, Bachelor of Science, 1997, Arizona State University; Master of Science, 2003, Florida Gulf Coast University  
 Major: *Higher Education Administration*  
 Dissertation: Impact of the Federal Financial Aid Verification Process on College Student Access  
 Dissertation Chair: D. F. Campbell
- Karen Janine Ehlers, Bachelor of Arts *cum laude*, 1996, Master of Education, 2000, University of Florida  
 Major: *Higher Education Administration*  
 Dissertation: First-Year Seminars: The Impact on Academic Engagement, Social Engagement, Grade Point Average, and Discipline Persistence  
 Dissertation Chair: C. A. Sandeen
- Abigail L. Fuller, Bachelor of Science in Education, 2004, Slippery Rock University of Pennsylvania; Master of Arts in Educational Leadership, 2007, Florida Gulf Coast University  
 Major: *Educational Leadership*  
 Dissertation: Listening to the Student Voice: An Exploration of Students' Perceptions of Their Teachers' Cultural Responsiveness  
 Dissertation Chair: B. Oliver
- Summer Genevieve Garrett, Bachelor of Science in Business Administration *summa cum laude*, 2002, Master of Arts, 2004, University of Florida  
 Major: *Higher Education Administration*  
 Dissertation: A Case Study of a Public-Private Partnership Model for Workforce Development  
 Dissertation Chair: D. F. Campbell
- Kristina Marie Gonzalez, Bachelor of Arts in Sociology, 1999, Saint Mary's University—Texas; Master of Education, 2005, Our Lady of the Lake University—Texas  
 Major: *Educational Leadership*  
 Dissertation: Alternative Assessments for Students With Profound Intellectual Delays: Understanding the Accountability Movement From a Teacher's Perspective  
 Dissertation Chair: B. Oliver
- Johanna K. Kenney, Bachelor of Arts in Political Science, 1995, Eckerd College—Florida; Master of Science in Social Science, 1998, University of Colorado at Denver  
 Major: *Curriculum and Instruction*  
 Dissertation: The Future of Simulations in Allied Healthcare Education and Training: A Modified Delphi Study Identifying Their Instructional and Technical Feasibility  
 Dissertation Chair: A. D. Ritzhaupt
- Terri M. Kinsey, Bachelor of Arts in Creative Writing, 1992, Florida State University; Master of Science in Educational Leadership, 1996, Nova Southeastern University—Florida  
 Major: *Educational Leadership*  
 Dissertation: Describing an Elementary Teacher-Student Relationship and Student Attainment Using a Culturally Sensitive Research Approach  
 Dissertation Chair: L. S. Behar-Horenstein
- Synthia Delina LaFontaine, Bachelor of Arts *summa cum laude*, 1996, Texas Wesleyan University; Master of Education, 2003, University of Florida; Educational Specialist in Educational Leadership, 2008, Nova Southeastern University—Florida  
 Major: *Educational Leadership*  
 Dissertation: Comparative Study of Reading Achievement of Florida's Students 2002 to 2013  
 Dissertation Chair: B. Oliver  
 Dissertation Co-chair: L. Eldridge
- Michelle Fiore Licata, Bachelor of Science, 1996, Florida State University; Master of Science in Psychology, 2001, Nova Southeastern University—Florida; Specialist in Education, 2012, University of Florida  
 Major: *Educational Leadership*  
 Dissertation: An Analysis of Teacher Communication Patterns With Parents Whose Children Attend an Online School  
 Dissertation Chair: B. Oliver

- Lindsay Byron Lynch, Bachelor of Arts, 1999, Master of Education, 2009, University of Florida  
 Major: *Higher Education Administration*  
 Dissertation: Analyses of Rural Postsecondary Institution Attributes and Their Relationship to Minority Student Enrollment, Graduation, and Completion  
 Dissertation Chair: D. F. Campbell  
 Dissertation Co-chair: P. Villarreal
- John Omundsen Jr., Bachelor of Arts *cum laude*, 2007, Master of Education, 2008, Specialist in Education, 2012, University of Florida  
 Major: *Educational Leadership*  
 Dissertation: The Constitutionality of Florida's McKay Scholarship Program Under the Bush Standard  
 Dissertation Chair: R. Wood
- Joseph R. Parlier, Bachelor of Science, 1995, Mercer University—Georgia; Master of Education in Middle School Education, 1997, University of Georgia  
 Major: *Educational Leadership*  
 Dissertation: Improving School Performance in Georgia's Lowest Performing Middle Schools as Identified by the State's Accountability Formula Under No Child Left Behind (NCLB)  
 Dissertation Chair: B. Oliver
- Melissa Money Penny Pratto, Bachelor of Arts in Education, 2005, Master of Education, 2006, Specialist in Education, 2010, University of Florida  
 Major: *Educational Leadership*  
 Dissertation: Predictability of Progress Monitoring and Socio-Demographic Factors on FCAT Performance  
 Dissertation Chair: L. S. Behar-Horenstein
- Rebecca A. Shields, Bachelor of Arts, 2005, University of Alabama; Master of Arts in Education, 2008, University of Alabama at Birmingham  
 Major: *Curriculum and Instruction*  
 Dissertation: Academic Outcomes and New Literacies Evident During a Digital Storytelling Unit Within a Secondary English Class: A Case Study  
 Dissertation Chair: K. M. Dawson  
 Dissertation Co-chair: B. G. Pace
- Jean Elizabeth Starobin, Bachelor of Science, 1983, McGill University—Canada; Master of Science in Botany, 1987, University of Massachusetts at Amherst; Master of Science, 2001, University of Florida  
 Major: *Higher Education Administration*  
 Dissertation: The Roles of Social and Academic Engagement, and Perceptions of Belonging in a Model of Student Persistence  
 Dissertation Chair: M. D. Miller  
 Dissertation Co-chair: C. A. Sandeen
- Tasha Jean Wells, Bachelor of Science in Computer Information Science, 2002, University of North Florida; Master of Science in Mathematics Education, 2008, Florida State University  
 Major: *Curriculum and Instruction*  
 Dissertation: A Mixed Methods Investigation of Developmental Math Students' Perspectives on Successes and Challenges in Math and With MyMathLab  
 Dissertation Chair: A. D. Ritzhaupt
- Shawn J. Woodin, Bachelor of Science, 1995, State University of New York at Binghamton; Master of Science, 1999, Illinois State University  
 Major: *Higher Education Administration*  
 Dissertation: Measuring Institutional Internationalization at U.S. Community Colleges: A Delphi Study  
 Dissertation Chair: D. F. Campbell

## DOCTOR OF AUDIOLOGY

Marisol Acosta  
Jennie R. Allen  
Melissa Robyn Auchter  
Kim Renee Baldock-Mahloch  
Thomas F. Bishop Jr.  
Nicole S. Brakovich  
Jennifer L. Brannon  
Annemaree Daley  
Laura Jean Davidson  
Sandie Jotrina R. Dela Cruz

Johanna Glenn Gillenwater  
Gemma Gray  
Diana M. Guercio  
Gretchen L. Haywood  
Kim Zeller Hoppin  
Kara Ann Hotaling  
Wen Jiang  
Pui-Shan Sandy Lai  
Victoria Anne Ledon  
Karlee M. Maerten

Daniel Rudyard Nast  
Sheila D. Pack  
Yunea C. Park  
Lauren Schoenfeld Racoosin  
Stamatina Raptis  
Leslie Morgan Reid  
William Stewart Speer  
Christine M. Stoklosa  
Pak Hung Wong  
Katie Anne Zayas

## DOCTOR OF PHYSICAL THERAPY

Hunter Scott Allen  
Kerry Jamison Allen  
Rachel Evelyn Barrett  
Jessica Marie Buckley  
Matthew Robson Carter  
Maria Ceballos  
Courtney Elizabeth Collins  
Kyle R. Corrick  
Tiffany L. Cowen  
Lindsey Ann Cribb  
Deidra Stevenson Davies  
Kelly R. Delaney  
Kaitlin Shiver Donner  
Christopher M. Dyba  
Cecilee Elise Fleming  
Jayne Ann Gillen  
Patricia M. Gillen  
Amye-Marie E. Gross

Crystal Margaret Gross  
Ashley Noelle Harrison  
Monica Lynn Lugo Hernandez  
Alexandra D. Hill  
Devin Marie Hughey  
Eric W. Johnson  
Nicholas B. Johnson  
Ashley Ciera Keenum  
Kevin Harrison Kohler  
Elizabeth Konopka  
Alicia K. Leonard  
Marissa Rae Lowvorn  
Kevin M. C. Maloney  
Mae Wileen Virgino Mercado  
Jennifer C. Mesorana  
Christine Sarah Mildenerger  
Jennifer M. Molchan  
James Michael Morris  
Tawny S. Najjar

Kaitlin Ochipinti  
Jackie Booth Pagliara  
Chante Leree Perry  
Brenton R. Peterson  
Christina Ruth Popp  
Kaitlyn E. Post  
Megan Patrice Richards  
Bailey Nicole Rinicker  
MacKenzie Tilston Roberts  
Amy Lynn Schreffler  
Lauren D. Seeds  
Laura Lynn Sellers  
Justin W. Thompson  
Casey Margaret Turner  
Ariane Julie Van Putten  
Natasha Danielle Walden  
Brittany Cole Williams  
Kasie J. Zink

## DOCTOR OF PLANT MEDICINE

Tian Xia





# What Makes a University Great?

*Some interesting facts about the University of Florida*

## Educational Excellence

UF is consistently ranked among the nation's top universities: No. 14 in U.S. News & World Report "Top Public Universities" (August 2013); No. 3 in Kiplinger's "Best Values in Public Colleges" (2013); No. 3 in the Fiske Guide to Colleges' list of Best Buys Among Publics (2014); No. 15 on the Forbes' list of best public universities (2013); and No. 1 on Washington Monthly magazine's list of national universities that offer the best bang for the buck (2013).

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

## Faculty

- UF has nearly 4,000 faculty members with distinguished records in teaching, research and service, including 37 Eminent Scholar chairs and 42 faculty elections to the National Academy of Sciences, Engineering, the Institute of Medicine, or the American Academy of Arts and Sciences.
- Awards include a Fields Medal, two Pulitzer Prizes, NASA's top award for research, and Smithsonian Institution's conservation award.

## Students

- More than 96 percent of incoming freshmen score above the national average on standardized exams. Students admitted for the fall 2014 freshman class had an average 4.4 GPA and an average SAT score of 1960.
- More than 1,260 International Baccalaureate students were enrolled in UF in February 2014 – more than any other university in the United States. The freshman retention rate of 96 percent is among the highest in the country.
- Among AAU public universities, UF ranked first in master's degrees and second in bachelor's degrees awarded to Hispanic students in 2013.
- Sixty-five percent of UF freshmen graduate in four years, and 83 percent graduate in six years.
- Nearly two-thirds of UF graduates leave the university with no student loan debt. For the remaining third, their average indebtedness is about \$20,708, as compared with the national average of roughly \$29,400.

**UF**

2014 SPRING  
COMMENCEMENT





## *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 lifelong learning. The brick pattern on the handle symbolizes higher education tradition and structure. Like the institution it represents, the mace is not static; growth and movement are expressed with loose rings engraved with the names of the university's presidents and their years in office.

## *Diplomas*

Diplomas will be mailed in late June 2014.



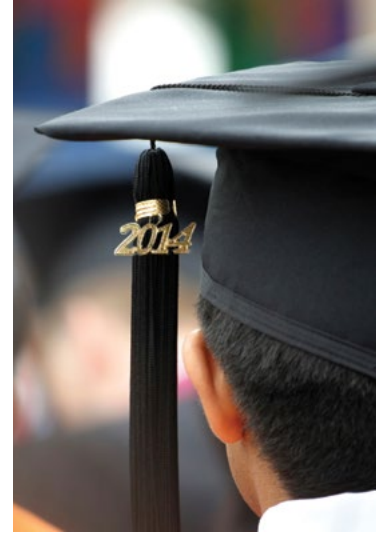
## *Caps and Gowns, An Explanation*

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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 created by scientific research.

The following colors are specific to the University of Florida:

Agriculture and Life Sciences; Forest Resources and Conservation – Maize

Design, Construction and Planning; 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 – Golden Yellow

Medicine – Green

Music – Pink

Natural Resources and Environment – Antique Gold

Philosophy – Royal Blue

Public Health – Salmon Pink

Rehabilitation Counseling – Nile Green



# UF

## Alma Mater

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

Milton Yeats