

12-2013

Clemson Commencement Program, December 2013

Clemson University

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Clemson University

Graduation Exercises



CONGRATULATORY APPLAUSE

You are requested to refrain from loud expressions of pleasure for individual graduates.
Such expressions frequently detract from the recognition due the next graduate in line.

Your cooperation is respectfully requested.

GRADUATION

THURSDAY, DECEMBER 19, 2013

9:30 A.M.

LITTLEJOHN COLISEUM

1:30 P.M.

ORDER OF CEREMONIES

(Please remain standing for the processional, posting of colors, and invocation.)

POSTING OF COLORS

Pershing Rifles

INVOCATION

Reginald Lenorris Coachman II, Student Representative (9:30 A.M. ceremony)

Judson Benjamin Belding, Student Representative (1:30 P.M. ceremony)

INTRODUCTION OF TRUSTEES

President James F Barker

RECOGNITION OF THE DEANS OF THE COLLEGES

Interim Vice President for Academic Affairs and Provost

Nadim M Aziz

CONFERRING OF HONORARY DEGREE

President James F Barker

REFLECTIONS

James E Rogers, Jr.

CONFERRING OF DEGREES AND DELIVERY OF DIPLOMAS

President James F Barker

RECOGNITION AND PRESENTATION OF AWARDS

Class of '39 Award for Excellence

Faculty Scholarship Award

Ms. Susan Cumbie, Organist/Soloist

Professor Sydney Cross, University Marshal

CEREMONIAL MUSIC

Ms. Susan Cumbie, Organist/Soloist

Prelude

Various Marches and Processionals

Processional

Pomp and Circumstance – Sir Edward Elgar

National Anthem

Words by Francis Scott Key

Music attributed to John Stafford Smith

Musical Interlude

Pavane – Gabriel Fauré

Closing

Clemson University Alma Mater

Words by A C Corcoran, Class of '19

Music by R Hawkins and Hugh H McGarity

Arranged by J Butler

Recessional

Rondeau from "Sinfonies De Fanfares" –

Jean Joseph Mouret

BOARD OF TRUSTEES

David H Wilkins, Chair	Greenville, SC
John N McCarter, Jr., Vice Chair.....	Columbia, SC
David E Dukes	Columbia, SC
Leon J Hendrix, Jr.....	Kiawah Island, SC
Ronald D Lee.....	Aiken, SC
Louis B Lynn.....	Columbia, SC
Patricia H McAbee.....	Greenville, SC
E Smyth McKissick III	Greenville, SC
Robert L Peeler	Lexington, SC
Mark S Richardson	Charlotte, NC
William C Smith, Jr.....	Columbia, SC
Joseph D Swann.....	Greenville, SC
Kim A Wilkerson.....	Columbia, SC

Trustees Emeriti

Louis P Batson, Jr.....	Greenville, SC
J J Britton	Sumter, SC
Fletcher C Derrick, Jr.....	Charleston, SC
Lawrence M Gressette, Jr.	Columbia, SC
Harold D Kingsmore	Clemson, SC
Thomas B McTeer, Jr.	Columbia, SC
D Leslie Tindal	Pinewood, SC
Allen P Wood	Florence, SC

Executive Secretary to the Board of Trustees

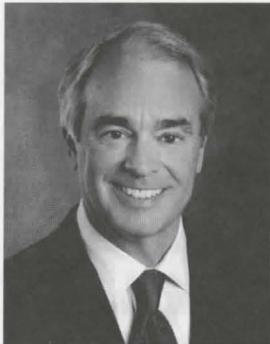
Angie Leidinger

ADMINISTRATIVE OFFICERS

James F Barker	President
Nadim M Aziz	Interim Vice President for Academic Affairs and Provost
A Neill Cameron, Jr.....	Vice President for Advancement
Brett A Dalton	Vice President for Finance and Operations
Gail DiSabatino	Vice President for Student Affairs
R Larry Dooley.....	Interim Vice President for Research
W C Hood.....	General Counsel
John W Kelly...Vice President for Economic Development	
Dan Radakovich	Director of Athletics
Leon E Wiles	Chief Diversity Officer

HONORARY DEGREE

James E Rogers, Jr.
Doctorate of Humanities



James "Jim" E Rogers, Jr. is a business leader of worldwide reputation and influence. His foresight and business acumen led to the creation of Duke Energy, the nation's largest electric utility, where he has served as chairman, president, CEO and is currently chairman of the board.

Even before his tenure with Duke Energy, Rogers took a very progressive outlook in the energy sector, advocating investing in energy efficiency, modernizing the electric infrastructure and pursuing advanced technologies and nuclear energy to grow the economy and transition to a low-carbon future. He serves as vice

chairman of the World Business Council for Sustainable Development and was honored by the Alliance to Save Energy with its Lifetime Achievement Award. During his tenure as CEO, Duke Energy was recognized as a leader in sustainability, balancing the "triple bottom line" – people, planet and profits. The company was twice named to the Dow Jones Sustainability World Index and part of the Dow Jones Sustainability Index for North America.

Jim Rogers served as deputy general counsel for litigation and enforcement for the Federal Energy Regulatory Commission and as an expert commentator in media as diverse as "60 Minutes," *The New York Times Magazine*, CNBC and "The Colbert Report." He has also testified more than 20 times before U.S. Congressional committees and international forums including the United Nations General Assembly, the World Economic Forum and the Clinton Global Initiative.

Jim Roger's focus on innovation, creativity and sustainability is perfectly aligned with Clemson's commitment to environmental, economic and social stewardship. Under the leadership of Jim Rogers, Duke Energy has been a valuable partner with the University both on campus and at the Clemson University Restoration Institute in North Charleston. At this interdisciplinary facility, Clemson University engineers and scientists will collaborate with other agencies and private industry to test next-generation energy systems. The overarching goal is to accelerate innovations to market and lower the cost of meeting the nation's energy needs.

Born in 1947 in Birmingham, Ala., Jim Rogers earned Bachelor of Business Administration and Juris Doctor degrees from the University of Kentucky. He and his wife Mary Anne have three children and 11 grandchildren.

Jim Rogers is an astute attorney, innovative businessman, global leader, community partner and outspoken advocate for responsible, sustainable energy development. In recognition of his numerous achievements and his valuable partnership with Clemson University, it is a great honor to bestow the honorary degree, Doctorate of Humanities, on James E Rogers, Jr.

THE ACADEMIC PROCESSION

The academic procession is composed of the faculty, staff, officers, trustees and most honored guests of the University. Faculty enter by college and each college is preceded by its marshal, a senior faculty member, with the college baton, described under University Regalia. The college banners are placed on the stage. Each banner is a combination of colors that declare the disciplines taught in that college. These colors, which were established by the American Council on Education, are listed below.

Collegiate faculty follow their marshal in order of academic rank wearing academic costumes of medieval origin. Those who have received their degrees from institutions outside the United States wear costumes specified by the awarding institutions. Academic costumes of faculty whose degrees are from institutions in the United States are specified by a uniform code maintained by the American Council on Education. Caps are black and are usually mortar boards with tassels. Doctors of philosophy wear gold tassels usually of metallic thread; other degrees wear black or discipline colors.

The bachelor's gown is simple and black with long, pointed sleeves. Masters' gowns, also black, are longer than bachelors' gowns. Older gowns have sleeves that terminate at the elbow, while those since 1960 have sleeves extended to the wrist. Doctors' gowns are full, with bell-like sleeves. The front is marked by velvet panels and the sleeves are marked by three velvet bars. While most gowns are black with black velvet, one variation is to replace black velvet with velvet in the discipline color. A second variation is a colored gown usually of the university's colors.

All hoods specify the level of degree, the type of discipline studied and the awarding institution. First, degree level is signified by the size of the hood with bachelors' the smallest, masters' larger and doctors' quite large and of a different shape. Clemson does not award hoods to bachelors. The width of the velvet trim also conveys the degree. Secondly, the degree is indicated by the color of the trim edging the hood to form the throat over the gown. The most frequently seen is dark blue, which designates the Doctor of Philosophy (Ph.D.) degree. Finally, the color of the hood's lining specifies the awarding institution. The colors are displayed in combinations that are drawn from heraldry. Notice that the Clemson University hood is lined with purple through which is an orange chevron (a "V"). Although many combinations are duplicated by dozens of institutions, Clemson is presently the only institution with that registered combination.

The officers, trustees and honored guests wear academic, ecclesiastical or military regalia as set forth by their professions. The president of Clemson University wears a purple gown with four velvet bars piped in gold and the university seal embroidered on the panels. Each trustee wears a similar gown with three velvet bars piped in gold for doctorates and an embroidered palmetto tree on each sleeve for those who do not hold doctorates. Hoods are either from Clemson or from the awarding school. They are preceded by the university marshal. Clad in a gown of office in gold and purple, the marshal wears no hood and bears the university mace. At the ceremony's close, the faculty do not exit as a part of the recessional but are dismissed, along with students and guests, when the marshal leaves the coliseum.

COLLEGE	COLORS	DISCIPLINE
Agriculture, Forestry and Life Sciences	Maize Brown Golden Yellow	Agriculture Forestry Life Sciences
Architecture, Arts and Humanities	Lilac Brown White Dark Blue	Architecture Arts Humanities Philosophy
Business and Behavioral Science	Drab Copper Peacock Blue Cream	Accounting and Business Economics Public Administration Social Sciences
Engineering and Science	Orange Golden Yellow	Engineering Science
Health, Education and Human Development	Light Blue Apricot Cream	Education Nursing Social Sciences
Library	Lemon Yellow	Library
Staff	Purple and Orange	Academic Support
Faculty Senate	Purple and White	Instruction

CANDIDATES FOR THE DOCTOR'S DEGREE
Karen J L Burg, Interim Dean, Graduate School

COLLEGE OF AGRICULTURE, FORESTRY AND LIFE SCIENCES

DOCTOR OF PHILOSOPHY

Animal and Veterinary Sciences

Heather Marguerite Stowe Travelers Rest, SC
B.S., M.S., Clemson University
Dissertation: The Effects of Fescue Toxicosis on Bull Spermatozoa
Advisor: Dr. S Pratt

Biochemistry and Molecular Biology

LeAnna Lorela Ledford Spartanburg, SC
B.S., University of South Carolina
Dissertation: Contributions of the Human SSB Complex and Mei5-Swi5 Complex to Homologous Recombination
Advisor: Dr. M Sehorn

Biological Sciences

Eric Hingleung Lee Cincinnati, OH
B.S., Clemson University; M.Phil.; University of Hong Kong
Dissertation: Prolactin and Cisplatin Combination Treatment Inhibit Tumorspheres Formation and Tumor Growth in Mice
Advisor: Dr. W Chen

Environmental Toxicology

Thomas Ross Garner Mullins, SC
B.S., The Citadel
Dissertation: A Characterization of Gold Nanoparticle Uptake by Mammalian Cells
Advisor: Dr. S Klaine

Gautam Kumar Ginjupalli Prades, India
B.S., Sri Venkateswara Veterinary University; M.S., Andhra Pradesh Agricultural University
Dissertation: Arachidonic Acid Reverses the Pyriproxyfen and Ibuprofen Induced Toxicity in Daphnia Magna
Advisor: Dr. W Baldwin

James Bradley Glenn Clemson, SC
B.S., Clemson University
Dissertation: An Investigation into the Interactions of Gold Nanoparticles with Aquatic Vascular Macrophytes
Advisor: Dr. S Klaine

Alan J Jones Mosheim, TN
B.S., Emory & Henry College; M.S., Clemson University
Dissertation: Representative Pharmaceuticals, Pesticides, and Metals in South Carolina Streams: A Catchment Based Approach to Identify Potential Impacts, Sources, and Fate
Advisor: Dr. E Carraway

Genetics

Rooksana Elizabeth Noorai New York, NY
B.S., Emory University; M.S., Clemson University
Dissertation: Discovery of Variants Underlying Simple and Complex Traits through Genome-Wide Association Study and Whole-Genome Resequencing
Advisor: Dr. L Clark

Microbiology

Aaron K Brown Parsippany, NJ
B.S., Bob Jones University; M.S., Clemson University
Dissertation: Characterization and Cellular Localization for Enzymes of the Naphthalene Upper Catabolic Pathway in *Sphingomonas Paucimobilis* EPA505
Advisor: Dr. T Hughes

Mary Melissa Hayes Camden, SC
B.S., Wofford College; M.S., Clemson University
Dissertation: Validation of Thermal Destruction of Pathogenic Bacteria in Rendered Animal Products
Advisor: Dr. A Greene

Wildlife and Fisheries Biology

Cady Rose Etheredge Asheville, NC
B.S., University of North Carolina
Dissertation: Ecology and Impacts of Coyotes (*Canis latrans*) in the Southeastern United States
Advisor: Dr. G Yarrow

Kate L Sheehan Amherst, NH
B.S., M.S., University of South Alabama
Dissertation: Distribution, Ecology, and Trophic Relationships of a Colonial Waterbird: the Double-crested Cormorant
Advisors: Dr. R Johnson and Dr. G Yarrow

COLLEGE OF ARCHITECTURE, ARTS AND HUMANITIES

DOCTOR OF PHILOSOPHY

Planning, Design and the Built Environment

Joseph Charles Manganelli Clemson, SC
B.Arch., B.A., Auburn University
Dissertation: Designing Complex, Interactive, Architectural Systems with CIAS-DM: A Model-Based, Human-Centered, Design and Analysis Methodology
Advisors: Dr. K Green and Dr. J Brooks

Niraj Poudel Kathmandu, Nepal
B.A., Whittier College; M.S., Politecnico Di Milano
Dissertation: Development of Performance-Based Guidelines for Integrating Phase Change Materials in Buildings
Advisors: Dr. V Blouin and Dr. K Green

COLLEGE OF BUSINESS AND BEHAVIORAL SCIENCE

DOCTOR OF PHILOSOPHY

Applied Economics

Janet Gemmill Peckham Birmingham, AL
B.A., Randolph-Macon Woman's College; M.S., Clemson University
Dissertation: Evaluating Health Impacts of the National School Lunch Program
Advisor: Dr. T Mroz

COLLEGE OF ENGINEERING AND SCIENCE

DOCTOR OF PHILOSOPHY

Automotive Engineering

Robert John Mau Laurens, SC
B.S., University of California; M.S., National University and Oakland University
Dissertation: Hybrid Low-Order Modeling for Conceptual Vehicle Design
Advisor: Dr. P Venhovens

Bioengineering

George R Fercana, Jr. Florence, SC
B.S., Clemson University
Dissertation: Biological Scaffolds for Peripheral Vascular Surgery
Advisor: Dr. D Simionescu

Xiaoyan Liu Shiyan, China
B.S., M.S., Tianjin University of Science and Technology
Dissertation: Engineering Beta-Cell Spheroids for Type I Diabetes Treatment
Advisors: Dr. M LaBerge and Dr. X Wen

Eric Montgomery Lucas Chesterton, IN
B.S., Rose-Hulman Institute of Technology; M.S., Clemson University
Dissertation: Design and Biomechanical Verification of a Novel Total Knee Replacement for Severe
Knee Dysfunction
Advisor: Dr. J DesJardins

Brittany Ho McGowan Gurnee, IL
B.S., Rose-Hulman Institute of Technology; M.S., Clemson University
Dissertation: The Effects of Applied Hydrostatic Pressure on Osteogenic Differentiation of Mouse
MSCS within an In Vitro 3D Culture
Advisor: Dr. J Nagatomi

Duong Thuy Thi Nguyen Hue, Vietnam
B.S., M.S., University of Memphis
Dissertation: In Vitro Simulation of Pathological Bone Conditions to Predict Clinical Outcome of
Bone Tissue Engineered Materials
Advisor: Dr. K Burg

Bioengineering (continued)

Aditi Sinha.....Calcutta, India
B.S., Visweswarya Technological University; M.S., Clemson University
Dissertation: Vascular Nano-medicine: Site Specific Delivery of Elastin Stabilizing Therapeutics to Damaged Arteries
Advisor: Dr. N Vyavahare

Erin Pardue SproulLexington, SC
B.S., Clemson University
Dissertation: Identification of Novel Genes Regulating Elastic Fiber Formation through Expression Profiling Analysis of Elastogenic Models
Advisor: Dr. M LaBerge

Biosystems Engineering

Arpan Jain.....Rajasthan, India
B.E., Vishweshariah University
Dissertation: Process Development for Lignocellulosic Feedstocks for the Production of Bio-Products
Advisor: Dr. T Walker

Chemical Engineering

David Fernando Esguerra Taborda.....Cali, Colombia
B.S., The University of the State of Valle Del Cauca
Dissertation: Pyrene Oigomers: Their Isolation, Molecular Characterization, and Liquid Crystallinity
Advisor: Dr. M Thies

Marlon Salvador Morales Sandoval.....Sonsonate, El Salvador
B.S., University of Central America
Dissertation: UV-Assisted Stabilization of Polyacrylonitrile-Based Carbon Precursors
Advisor: Dr. A Ogale

Byron Stanley Villacorta HernándezSonsonate, El Salvador
B.S., University of Central America
Dissertation: Effect of Graphitic Carbon Nanoparticles on the Electromagnetic Shielding Effectiveness of Linear Low Density Polyethylene Nanocomposites
Advisors: Dr. A Ogale and Dr. T Hubing

Chemistry

Barbara Jeanne BullMyrtle Beach, SC
B.S., Clemson University
Dissertation: Building Chemistry One Atom at a Time: An Investigation of the Effects of Two Curricula in Students' Understanding of Periodic Trends and Bonding
Advisor: Dr. M Cooper

Evy B Colon-GarciaCarolina, PR
B.S., University of Puerto Rico; M.S., Clemson University
Dissertation: Towards a Probabilistic Definition of Entropy: An Investigation of the Effects of a New Curriculum on Students' Understanding of Thermodynamics
Advisor: Dr. M Cooper

Chemistry (continued)

Ramesh Chandra Dhakal Central, SC

B.S., M.S., Tribhuwan University

Dissertation: New methodologies for Catalytic, Stereoselective Ring Closing Reactions of γ,δ -epoxy Michael Acceptors, Alkene Halofunctionalization and Chemo, Regio- and Stereoselective 1,4-Conjugate Additions to N-Carbamoyl - 4- Pyridines, Conjugated Nitrodienes and Thiodienoates

Advisor: Dr. K Dieter

Thusitha Nanda Bandara Etampawala Clemson, SC

B.S., University of Peradeniya

Dissertation: Supramolecular Structure and Interfacial Dynamics of Ionomers and Complex Polymers

Advisors: Dr. D Perahia and Dr. C Cornelius

Tugba Gul Kucukkal Ankara, Turkey

B.S., Middle East Technical University; M.S., Duquesne University

Dissertation: Molecular Dynamics Simulations of Biological Systems using Advanced Sampling and Polarizable Force Fields

Advisor: Dr. K Dieter

Jiyoung Park Daejeon, South Korea

B.S., Chungnam National University

Dissertation: Sulfonated Perfluorocyclobutyl (PFCB) Aryl Ether Polymers: Synthesis, Reactivity and Characterization for Polymer Electrolyte Applications

Advisors: Dr. S Creager and Dr. D Smith, Jr.

Liurukara Duminda Sanjeewa Clemson, SC

B.S., Kelaniya University

Dissertation: Exploratory Synthesis of New Iron(II, III)-Containing Polyanion Framework Solids of Electrochemical and Magnetic Interest

Advisor: Dr. S Hwu

Civil Engineering

Shimelies Ahmed Aboye Addis Ababa, Ethiopia

B.S., Arba Minch University; M.S., Ghent University; M.S., Vrije University

Dissertation: Generalized Seismic Site Factor Model Based on Conditions in South Carolina

Advisor: Dr. R Andrus

Ismail Farajpour Tabriz, Iran

B.S., M.S., University of Tabriz

Dissertation: Predictive Maturity of Inexact and Uncertain Strongly Coupled Numerical Models

Advisor: Dr. S Atamturktur

Andrew Isaac Neptune St George's, Grenada

B.S., Bob Jones University; M.S., Clemson University

Dissertation: Optimization of Porous Pavement Mixtures Based on Aggregate Structure

Advisor: Dr. B Putman

Arash Razmjoo Tehran, Iran

B.S., Islamic Azad University; M.S., Tarbiat Modarres University

Dissertation: Application of Image Processing in Modeling of Concrete

Advisors: Dr. A Poursaei and Dr. P Rangaraju

Civil Engineering (continued)

Lei Wang Changzhi, China
B.S., China University of Geosciences; M.S., Tongji University; M.S., Clemson University
Dissertation: Robust Geotechnical Design: Methodology and Applications
Advisors: Dr. C Juang and Dr. S Atamturktur

Computer Engineering

Venkittaraman Vivek Pallipuram Kris Indore, India
B.T., National Institute of Technology; M.S., Clemson University
Dissertation: Exploring Multiple Levels of Performance Modeling for Heterogeneous Systems
Advisor: Dr. M Smith

Brian K Peasley Lyman, SC
B.S., Clemson University
Dissertation: Large Scale 3D Mapping of Indoor Environments Using RGB-D Cameras
Advisor: Dr. I Walker

Computer Science

Jamie Renee Lyle Parsons, KS
B.A., MidAmerica Nazarene University; M.S., Clemson University
Dissertation: Gender and Ethnicity Classification Using Partial Face in Biometric Applications
Advisor: Dr. D Woodard

Meng Zhu Beijing, China
B.S., M.S., Beijing University of Technology
Dissertation: Surface Shape Perception in Volumetric Stereo Displays
Advisor: Dr. D House

Electrical Engineering

Yueyang Dai Beijing, China
B.S., University of Electronic Science and Technology; M.S., Peking University
Dissertation: Study on Electromagnetic Scattering of Cylinders Buried in a Half Space with
Random Rough Surfaces of Finite/Infinite Length
Advisor: Dr. X Xu

Jason Donnell Ellis Anderson, SC
B.S., M.S., Clemson University
Dissertation: Adaptive Transmission Protocols for Wireless Communication Systems with Fountain
Coding
Advisor: Dr. M Pursley

John C Fox Summerville, SC
B.S., M.S., Clemson University
Dissertation: A Hybrid Method of Performing Electric Power System Fault Ride-Through
Evaluations on Medium Voltage Multi-Megawatt Devices
Advisor: Dr. E Collins

Tingting Wang WenZhou, China
B.S., Northeast China Institute of Electric Power; M.S., Zhejiang University
Dissertation: Off-Shore Wind Energy Study and its Impact on South Carolina Transmission System
Advisor: Dr. E Makram

Environmental Engineering and Science

Amy Elizabeth Hixon.....Sterling, VA
B.S., Radford University; M.S., Clemson University
Dissertation: Factors Affecting the Surface-Mediated Reduction of Plutonium in the Presence of Pure Mineral Phases
Advisor: Dr. B Powell

Benjamin E Sharp.....Central, SC
B.S., University of Evansville; M.S., Montana State University
Dissertation: Assessing Potential Environmental Impacts according to Probable Patterns of Switchgrass Adoption in the Southeastern United States
Advisors: Dr. S Miller and Dr. C Lee

Industrial Engineering

Naji Shuib AbdelwanisBenghazi, Libya
M.S., Clemson University; M.B.A., Academy of Graduate Studies; M.S., Leningrad Higher Naval Engineering College
Dissertation: Characteristics and Contributing Factors of Emergency Crashes
Advisor: Dr. D Neyens

Awatef Omar ErgaiTripoli, Libya
B.S., M.S., Tripoli University; M.S., Clemson University
Dissertation: Assessment of the Human Factors Analysis and Classification System (Hfac): Inter-Rater and Intra-Rater Reliability
Advisors: Dr. A Gramopadhye and Dr. S Shappell

Kapil Chalil MadathilKannur, India
B.T., VIT University; M.S., Clemson University
Dissertation: Building the Science of Healthcare Public Reporting: Integrating Anecdotal Information to Enhance Sensemaking
Advisor: Dr. J Greenstein

Gary Sherman Palmer II.....Lanham, MD
B.S., University of Maryland; M.S., Clemson University
Dissertation: Predicting Individual versus Team Surgical Flow Disruption Recovery in Cardiothoracic Operating Rooms
Advisor: Dr. J Rodriguez

Materials Science and Engineering

James Matthew Giamarco.....Philadelphia, PA
B.S., Drexel University
Dissertation: Synthesis and Characterization of Multi-Component Polymer Films for Chemical Sensor Applications
Advisor: Dr. I Luzinov

Fehime Vatansever.....Istanbul, Turkey
B.S., Uludag University
Dissertation: Synthesis and Characterization of Polymer Layers for Control of Fluid Transport
Advisor: Dr. I Luzinov

Mathematical Sciences

Zhiyun Gong..... Clemson, SC
B.S., Southwest Normal University; M.S., Southwest University
Dissertation: Extreme Value Theory in Periodic Time Series
Advisors: Dr. R Lund and Dr. P Kiessler

Shanghong Li..... Hubei, China
B.S., Huazhong Normal University; M.S., Clemson University
Dissertation: Genetic Algorithm Techniques in Climate Changepoint Problems
Advisor: Dr. R Lund

Jie ShenHebei, China
B.S., Hebei Normal University; M.S., Clemson University
Dissertation: L_1 Methods for Shrinkage and Correlation
Advisor: Dr. C Gallagher

Lakmali Weerasena Galagedara, Sri Lanka
B.S., University of Peradeniya; M.S., Clemson University
Dissertation: Approximation in Multiobjective Optimization with Applications
Advisor: Dr. M Wiecek

Mechanical Engineering

Gregory Scott Batt Clemson, SC
B.S., University of Massachusetts; M.S., Clemson University
Dissertation: Primary Resonance Behavior of Expanded Polymer Cushion Material
Advisor: Dr. M Daqaq

Shraddha Premjibhai Joshi..... Ahmedabad, India
B.E., Gujarat University; M.S., Clemson University
Dissertation: Requirements in Conceptual Design
Advisor: Dr. J Summers

Grant D Mahler..... Los Altos Hills, CA
B.S., Northwestern University
Dissertation: The Connected Vehicle: The Role of Information and Computing in Enhancing
Vehicle Efficiency
Advisor: Dr. A Vahidi

Mohamed Trabelssi..... Clemson, SC
M.S., Tunisia Polytechnic School
Dissertation: Numerical Analysis of the Extrusion of Fiber Optic and Photonic Crystal Fiber
Prefoms Near the Glass Transition Temperature
Advisor: Dr. P Joseph

Photonic Science and Technology

Aaron J Pung..... Andover, KS
B.S., Kansas State University; M.S., University of North Carolina
Dissertation: Encapsulated and Monolithic Resonant Structures for Laser Applications
Advisor: Dr. E Johnson

Physics

Tianhong Yu Tangshan, China
B.S., Beijing University; M.S., Clemson University
Dissertation: Chemical Evolution of the Neutron-Rich Iron-Group Isotopes and Implications for
the Formation of Fun Cais
Advisor: Dr. B Meyer

Polymer and Fiber Science

Julien Xavier Eric Boyon.....Jougne, France
B.S., University of Haute
Dissertation: The Effect of Silicone Finishes on the Burning Behavior of Polyester
Advisor: Dr. P Brown

Roland C StoneGoose Creek, SC
B.S., Clemson University
Dissertation: Design and Synthesis of Magnetic Nanoparticle Composites for use in Biomedical
Applications
Advisor: Dr. T Mefford

COLLEGE OF HEALTH, EDUCATION AND HUMAN DEVELOPMENT

DOCTOR OF PHILOSOPHY

Educational Leadership

James Bertie Epting, Jr.....Tigerville, SC
B.S., Gardner-Webb University; M.Ed., Clemson University
Dissertation: An Analysis of how Participating in a NCAA Division I-A Football Program Impacts
the Christian Faith Development of Student Athletes
Advisor: Dr. P Havice

Anthony B Franklin.....Waukegan, IL
B.S., Southern Illinois University; M.S., Illinois State University
Dissertation: Municipalities and University Athletic Departments: Economic Policy Development
for Collaborative Capital Projects
Advisor: Dr. R Marion

Eric J LapinCharleston, SC
B.M., M.M., University of South Carolina
Dissertation: A Phenomenological Study of College Seniors in a Performing Arts Music Program
Advisor: Dr. R Marion

Eric J MoschellaNewton, MA
B.A., M.A., University of Iowa
Dissertation: The Process by Which Black Male College Students Become Leaders of Predominately
White Organizations in Higher Education
Advisor: Dr. P Havice

Educational Leadership (continued)

Anthony Abidemi OlalereCharleston, SC
B.S., Lagos State University; M.Sc., University of Ibadan
Dissertation: The Mediating Effect of Collectivist and Entity Creativity Among Faculty in Higher Education
Advisors: Dr. R Marion and Dr. L Gonzales

Parks, Recreation and Tourism Management

Brandi Michelle Crowe.....Columbus, MS
B.S., University of South Alabama; M.S., State University of New York
Dissertation: The Effects of Yoga Participation on Symptoms Associated with Menopause: A Mixed Methods Study
Advisor: Dr. B Wright

Ian Edward MunanuraKigali, Rwanda
B.S., National University of Rwanda; M.S., University of Kent
Dissertation: The Potential of Community Tourism Benefits in Mitigating Forest Dependence Behavior of Poor Households in Proximity to Protected Areas in Africa. The Case of Volcanoes National Park, Rwanda
Advisor: Dr. K Backman

Maloud Yousif Shakona.....Zawia, Libya
B.S., Azzawia University; M.Sc., The University of Salfor
Dissertation: The Influence of Religiosity on the Intention of United States Muslim Tourists to Choose a Shariah Compliant Hotel
Advisor: Dr. K Backman

CANDIDATES FOR THE EDUCATION SPECIALIST AND MASTER'S DEGREE

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COLLEGE OF AGRICULTURE, FORESTRY AND LIFE SCIENCES

MASTER OF AGRICULTURAL EDUCATION

Ashley Nicole King..... Townville, SC

MASTER OF FOREST RESOURCES

John Hutchins Collins..... Columbia, SC
Stephen D SchuttSeneca, SC

MASTER OF SCIENCE

Animal and Veterinary Sciences

Erin L Vegter..... Wyoming, MI
Kaylin May Young..... Newark, DE

Applied Economics and Statistics

Dongoh Joo..... Gwangju, South Korea
Jacob Steven MasonAiken, SC
Haley Marie Motl..... Tampa, FL
Dan ShaoChangchun, China
Michael E StellaRichmond, VA
Jacqueline Morgan WrightCornelius, NC

Biological Sciences

Rachael Erin CipollaAliquippa, PA
Kelly Elizabeth May ClouseFlorence, SC
Elisabeth Stamey Dixon..... Ruby, SC
Lori M Latham.....Irmo, SC
Pamela Koelling MorrisonMcClellanville, SC
Sandy G Phillips-LongGaffney, SC
Myosha Darcell RobinsonFlorence, SC
Christie L SampsonClarkston, MI
Angela J Sparkman.....Salem, IN
William Christopher YarinaJohnstown, PA

Environmental Toxicology

Amanda Cecilia HatfieldColumbia, SC

Food, Nutrition and Culinary Sciences

Andrea Renee Bryant..... Taylors, SC
Ahmet Buyukyavuz..... Konya, Turkey
Chad Thomas Carter.....North Charleston, SC
Candice Beth NarsasianEaston, MA
Christopher Neil ShatleyValdese, NC

Food, Nutrition and Culinary Sciences (continued)

Sara L Stancil..... Central, SC
Zhuoran Sun..... Clemson, SC

Forest Resources

Emre AkturkAnkara, Turkey

Packaging Science

Mackenzie Rae Lussier..... Hingham, MA
Laura Elizabeth Williams..... Clemson, SC

Plant and Environmental Sciences

Ethan Michael Cox..... Woodruff, SC
Daniel T DrechslerClover, SC
Jacob Benjamin Fravel Stephens City, VA
Leanne Marie KenealyJupiter, FL
Abdurrahman Sulaiman Masrahi... Makkah, Saudi Arabia
Zachary Boone Snipes.....Belton, SC

Wildlife and Fisheries Biology

Patricia A WhitenerClemson, SC
Elizabeth Ann Zinsser..... Manchester, CT

COLLEGE OF ARCHITECTURE, ARTS AND HUMANITIES

MASTER OF FINE ARTS

Visual Arts

David Anderson ArmisteadLilburn, GA
Katherine Ellison ButlerWilmington, NC
David Sidney GerhardPetaluma, CA
Alyssa Reiser PrinceCharlotte, NC
Aubree Leanne RossDarlington, SC

MASTER OF REAL ESTATE DEVELOPMENT

(Master of Real Estate Development is jointly administered by the
College of Architecture, Arts and Humanities and the
College of Business and Behavioral Science.)

Jingru SuiBeijing, China

MASTER OF ARTS

English

Katrina Elizabeth Johnson.....Anderson, SC

History

Jonathan Ames Monroe Arlington, VA
Megan Elizabeth Ulmer Lexington, SC

MASTER OF SCIENCE

Historic Preservation

(Historic Preservation is jointly administered by Clemson University and the College of Charleston.)

Charlotte Hewitt Causey Mt Pleasant, SC

COLLEGE OF BUSINESS AND BEHAVIORAL SCIENCE

MASTER OF BUSINESS ADMINISTRATION

Christina Elizabeth Carroll Greenville, SC
Mei-Hua Chen Taipei, Taiwan
Richard S Cole Fountain Inn, SC
Jeffrey Joseph Diaz Greenville, SC
Abby Yvonne Economou Simpsonville, SC
Christopher Bly Garrick Orangeburg, SC
Richard F Hargrave Mt Pleasant, SC
Thomas Cullen Harper II Charleston, SC
Deissy Janeth Honea Taylors, SC
Jhen-Yun Huang Kaoshiung, Taiwan
Kevin West Jones Greenville, SC
Anbarasu Ponnammal Manivannan Greer, SC
Matthew Gregory Maynard Simpsonville, SC
Leonard Kerschel McFadden Greenville, SC
Wallace Patrick McNulty Spartanburg, SC
Michael Robert Milano Greenville, SC
William Turner Nelson Greenville, SC
Joseph Layton Rockwood Seminole, FL
Lee Steven Roggenkamp Dublin, OH
Matthew Kyle Sansoucy Lancaster, NH
Matthew Charles Scheele Simpsonville, SC
Kevin Bruce Sherman Riverview, MI
April Rebecca Whitworth Easley, SC
Keith L Wyatt Simpsonville, SC

MASTER OF PROFESSIONAL ACCOUNTANCY

Rebecca Emery Goessel Simpsonville, SC
Matthew Jay Kennedy Darlington, SC
Thomas N Simmons Greer, SC

MASTER OF ARTS

Economics

Juliana F Carattini Smithtown, NY
Marigrace Michele Davis Florence, AL
Peter Benjamin Jurewicz Fort Mill, SC

Economics (continued)

Justin Zwicker Knutter Valrico, FL
Wei Liu Suzhou, China
Mahamane Bachir Sadou Maradi, Niger
Amber Leigh Schrubey Lillington, NC
Zhuang Zheqi Baoding, China

MASTER OF SCIENCE

Applied Economics and Statistics

Shevawn Christian St John's, Antigua and Barbuda
Courtney G Jackson Athens, GA

Applied Sociology

Yue Chen Hefei, China
Genevieve Estelle Smith Greenville, SC

Graphic Communications

Craigishia Andrea Lewis Richmond, VA
Alexander William Otto Simpsonville, SC
Nathan Alexander Plavnick Mississauga, Canada

Management

Andrea Katherine Bernal Diaz Panama City, FL

Marketing

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Peter Mark Garlinghouse Essex, CT
Xiaolong Geng Greenville, SC
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Lili Ni Greer, SC

COLLEGE OF ENGINEERING AND SCIENCE

MASTER OF FINE ARTS

Digital Production Arts

Zachariah Jestyn Inks Piedmont, SC
Scott Matthew Johnson Rockford, IL
Daniel D McCoy Seward, IL

MASTER OF SCIENCE

Automotive Engineering

John Lewis Adcox Chattanooga, TN
Mathew Philip Angayil Greenville, SC
Sayantan Ganguly Kolkata, India
Venkata Santosh Kottapalli Hyderabad, India
Jinming Li Hohhot, China
Kesavan Ramakrishnan Trichy, India

Automotive Engineering (continued)

Juan Sanchez de Muniain	Gijon, Spain
Xin Yao.....	Changchun, China
Chen Yin.....	Shanghai, China

Bioengineering

Caleb Jesue Eljach.....	Taylors, SC
Allison Rebecca Kennamer.....	Beech Island, SC
Tri Minh Kieu	Greenville, SC
Joshua M Lake	Summerville, SC
Natasha K Topoluk	Corcoran, MN

Biosystems Engineering

Louis Wayne Hill	Timmonsville, SC
Jazmine Octavia Taylor	Summerville, SC
Tianzhen Wang.....	Qingdao, China

Chemistry

Aubrie Lynn Pfirman	South Williamsport, PA
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Civil Engineering

William P Bolger.....	Clemson, SC
Jonathan Allen Brent.....	Springfield, IL
David Emory Cooper	Lilburn, GA
Matthew Joseph Denton.....	Clemson, SC
Mrinal Kanti Dutta.....	Balasore, India
Michael Ruffin George	Glen Allen, VA
Alexander Lawrence Kosloski	Anderson, SC
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Evan D Maddox.....	Lexington, KY
Shawn Michael Parmelee	Greenville, SC
Ryne Chamberlain Phillips.....	Cheraw, SC
Dane Winston Rosier	Easley, SC
Sajib Saha.....	Brahmanbaria, Bangladesh
Marcus Loc Sanders.....	Florence, SC
Matthew Kyle Sansoucy	Lancaster, NH
Parker Lee Shields.....	Mt Pleasant, SC

Computer Engineering

Saiprasad Balachandran	Chennai, India
Fang Qi	Beijing, China
Saravanan Sampathkumar.....	Coimbatore, India

Computer Science

Weijie Chen	Changsha, China
Chenguang Dong.....	Shangqiu, China
Jerone N Dunbar	Central, SC
Yu Gao.....	Chongqing, China
Zhongjing Guo.....	Clemson, SC
Arindam Gupta.....	Durgapur, India
Phillip Wendell Hall, Jr.	Stanley, NC

Computer Science (continued)

Weizi Hu	Wuhan, China
Qi Ji.....	Wuxi, China
KeLiang Li.....	Hubei, China
Naja Amanda Mack	Sumter, SC
Ethan Travis McGee	Gaffney, SC
Qingping Meng.....	Luoyang, China
Sharath Narasimhan.....	Bangalore, India
Alison Leigh Nolan	Collegeville, PA
Aravindh Sampathkumar	Chennai, India
Chong Sun.....	Wuxi, China
Zhengrui Sun	Central, SC
Rui Wang	Tianjin, China
Yuan Wang	Lanzhou, China
Yuan Xiong.....	Beijing, China

Electrical Engineering

Luxi Cheng	Clemson, SC
Soheila Eskandari	Clemson, SC
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Paul Andrew Gooding	Patrick, SC
Michael A Juang.....	Clemson, SC
Siddarthan Mohan	Thanjavur, India
Sanjay Prakash Patil	Datala, India
Qingyue Zhang.....	Lianyungang, China
Ruoyu Zhang.....	Zhenjiang, China

Environmental Engineering and Science

Aniket Kalyan Bhattacharya	Mumbai, India
Xiaoyu Feng.....	Tangshan, China
Matthew James Millard.....	Macon, GA
Erin Tse-Tsaan Partlan	Daly City, CA
Catherine Marie Ruprecht	Rockville, MD

Hydrogeology

Christopher Liu Carlson	Dayton, OH
Ruthanne Elise Coffey.....	Deland, FL
Johnathan F Ebenhack	Westminster, SC
Ty Morgan Taylor.....	Mishawaka, IN

Industrial Engineering

Myrte Christie Alfred.....	Miami, FL
Priyanka Bhargav Bhoite	Pune, India
Caroline Elizabeth Christ	Simpsonville, SC
Joseph Buster Hasler	Greenville, SC
Russell William Krenek	Louisville, KY
Parastoo Malekafzali Ard	Tehran, Iran
Siripurapu Pradeep.....	Khammam, India
Wei Shi	Hohhot, China
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Materials Science and Engineering

Yuan Yue Huhhot, China

Mathematical Sciences

Praveen Reddy Nalla Hyderabad, India
Yanbo Xia Chengdu, China

Mechanical Engineering

Ryan Philip Bailey Mt Pleasant, SC
Purnish Dave New Delhi, India
Changbo Fu Hulunbeier, China
Neela Bhargavi Ganduri Hyderabad, India
Anthony Paul Garland Clemson, SC
Qifan He Wenzhou, China
Gregory Kenneth Johnson Hillsborough, NJ
Abhiram Koneru Hyderabad, India
Blake Jonathan Linnerud Boiling Springs, SC
Qi Liu Xi'an, China
Mayank Malladi Mumbai, India
Liz Mathew Peoria, IL
Shivraj Karthik Ranganathan Chennai, India
Zhuochen Shi Jingzhou, China
Daniel Royce St. Clair Greenville, SC
Selim Tezgel Erzurum, Turkey
Samantha Christine Thoe Melbourne, FL
Emily Worinkeng Simpsonville, SC

Photonic Science and Technology

Ryan Hale Woodward Conshohocken, PA

Physics

Dina Drozdov Cincinnati, OH
Amber L Porter Goldsboro, MD

COLLEGE OF HEALTH, EDUCATION AND HUMAN DEVELOPMENT

EDUCATION SPECIALIST

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Melissa Lyn Henderson Taylors, SC
Sarah Irene Pregel Nashville, TN
Elizabeth Seabrook Turnage Gaffney, SC
Mallory Elizabeth Valalik Fort Mill, SC
Stephen Barton Valley Greenville, SC
AnnGarner Williamson Birmingham, AL
Kathy M Wyant Central, SC

MASTER OF ARTS IN TEACHING

Middle Level Education

Ginger Gail Dreо Westminster, SC
James Antonio Griffin Taylors, SC

MASTER OF EDUCATION

Administration and Supervision

James Michael Bertollo Simpsonville, SC

Counselor Education

Coleman Davis Cown Greenville, SC
Sarah Irene Pregel Nashville, TN
Elizabeth Seabrook Turnage Gaffney, SC
Mallory Elizabeth Valalik Fort Mill, SC
Stephen Barton Valley Greenville, SC
AnnGarner Williamson Birmingham, AL
Kathy M Wyant Central, SC

Literacy

Melissa Alyce Carter Greenville, SC
Amy Elizabeth Rossi Decatur, AL

Special Education

Ann Michelle Burnett Houston, TX

Teaching and Learning

Candace Thackston Bolt Greenville, SC

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Vernita Boone Brown Tampa, FL
William James Hunt Mason City, IA
Sonia Marie Jammes Bedford, VA
Casey Lee Reeves Coos Bay, OR
Jacqueline Alyssa Stephens Seneca, SC

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Jean Marie Trufan Tillirson Anderson, SC
Catherine Marshall Voelker Cowpens, SC

Parks, Recreation and Tourism Management

Catherine Maurer Munroe Blythewood, SC
Sukjoon Yoon Seoul, South Korea

Youth Development Leadership

Sharmane Yvonne Anderson.....Manning, SC
Morganne T Campbell Fayetteville, GA
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Allyson Danielle Ellis Cooper Kings Mountain, NC
Roxane Riley Cummings.....Cope, SC
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Andrea K Egmont Amesbury, MA
Corey Scott Gheesling Greenville, SC
Michaylin Shanice Golladay..... Upper Marlboro, MD
SaMaria Ashford Hughes Columbia, SC
Alicia Ann McClain Orange Park, FL
Shawna Rae Meyer-Niederman Bloomington, IN
Chet William Morse IICharleston, SC
Rona W Neely.....Mauldin, SC
Jamilah Shakir Rashid Atlanta, GA
Sanethia Velma Thomas.....Woodbridge, VA
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Kawana Harrissa Woodson.....Columbia, SC

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**Grayson David Coon.....	Winston-Salem, NC
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Austin Leigh Fitts.....	Lexington, SC
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Katherine Sparkman Heyward	Pawleys Island, SC
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Kristen Jordan Rivers.....	Columbia, SC
Gregory Ryan Seyle	Charleston, SC
*Spencer Armani Taylor	Greenville, SC
Meagan Lindsay Tisdale.....	Kingstree, SC
*Ben Ashley Vukov	Myrtle Beach, SC

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Agricultural Education

Sara Ann Comer.....	Hickory Grove, SC
Degree Awarded Posthumously	
Elijah Will Gambrell	Seneca, SC
Desiree Lynn Kinneer	Indian Land, SC
Joshua Davis Nicholson.....	Saluda, SC
Charlotte Kirsten Shannon	Chester, SC

Agricultural Mechanization and Business

Taylor Lawrence Culler.....	St Matthews, SC
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Scott Alexander Gordon.....	Hillsborough, NC
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Baker Windsor Myers	Greeleyville, SC
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Jackson Hall Rogers	Rock Hill, SC
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Vanessa Marie Buso	Ridgefield, CT
*Briana Michelle Cabbil	Aiken, SC
**Megan Lynn Cabot.....	Phoenixville, PA
Hillary Ann Doelling	Cary, NC
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Paige Noel Floyd	Ridgeland, SC
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Jacqueline Elaine Gray.....	Barnwell, SC
Lawson Elizabeth Hardee	Mt Pleasant, SC
Mollie Lauren Harrison.....	Emmett, ID
Brittany Nicole Harvey	Holly Hill, SC
Ronald Reed Jacobs	Mt Pleasant, SC
Joseph Alton Link III.....	Pendleton, SC
Meaghan E Markiewicz.....	Doylestown, PA
Kylie Lynn Mills	Aiken, SC
*Taylor Kelly Naquin	Greenville, SC
Mischa Marissa Newell Palmer	Ballentine, SC
Matthew Raymond Prendergast	Egg Harbor Township, NJ
Beverly English Shuler	Mt Pleasant, SC
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Callie Ann Stuart.....	Charleston, SC
Catherine Alexis Tenenbaum	Bridgewater, NJ
Shatoya Lateasha Ross White	Columbia, SC
*Caitlin Lark Widener.....	Columbia, SC

Applied Economics and Statistics

†**Molly Julia Hubbard.....	Seneca, SC
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Biochemistry

†***Sarah Jane Barfield	Six Mile, SC
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Biological Sciences

Michael Richard Campbell.....	Hilton Head Island, SC
Thomas Joseph Dielmann	Baldwin, MD
**Rachel Donnelly	Charleston, SC
Stanley Charles Durham, Jr.....	Chapin, SC
Michael Ashford Edge	Simpsonville, SC
Joseph Andrew Farmer IV	Anderson, SC
Travis Lee Howell.....	Marion, SC
Debbie Ann White Owl Jacobs	Anderson, SC
Santana Anastasia Jamison	Holly Hill, SC
Sarah Elizabeth Johnson.....	Kutztown, PA
**Jacqueline Kim.....	Annandale, VA
Matthew James Lee	Summerville, SC

Biological Sciences (continued)

Elizabeth Rene Moore	Darlington, SC
Michael Zachariah Muir	Clemson, SC
Rebecca Leigh Nelson.....	Greenville, SC
Cathryn Nicole Rothenberg	Greenwood Village, CO
Ronald Austin Rutherford.....	Greenville, SC
*Christopher Lee Saindon.....	Simpsonville, SC
Alec Ted Sims	Williamston, SC
†Colin Alexander Stamper	Denver, NC
Sara Jillian Tarsi	Naugatuck, CT
*Morgan Amanda Tolley.....	Columbia, SC

Environmental and Natural Resources

James Robert Boulware.....	Winnsboro, SC
Rebecca Clair Coates	Anderson, SC
Jordan Reid Graham	Sumter, SC
*Emily Allison Harrington	Gilbert, SC
*Matthew Kendall Holliday.....	Greer, SC
Allen Gibson Solomons	Aiken, SC
**Kelly-Marie Evelen Winkler	Aiken, SC

Food Science

Joy Nieves Anderson	Hillsborough, SC
Meghan Elizabeth Carney.....	Ponte Vedra Beach, FL
*Danielle Liane Dunnagan.....	Lexington, SC
Cameron Henry Flowers	Aynor, SC
Gabrielle Alyss Gunter	Charleston, SC
Caroline Moore Halliday.....	Roswell, GA
Devin Adam Hicks.....	Loganville, GA
Karli Melissa Hogsd	Charlotte, NC
Jordan Nicole Kelly.....	Isle of Palms, SC
Sweta Kolisetty.....	Batavia, NY
*Katherine Cecile Longaker	Columbia, SC
Laura Joyanna Roseberry	Jacksonville, FL
***Rebecca Maika'i Stout	Summerville, SC
Rafael Martinez Szypula	Lansing, MI
Austin B Taylor	Simpsonville, SC

Forest Resource Management

Jeremy Wayne Crosby	Ruffin, SC
Andrew Ryan Gaughf	Sumter, SC
Christopher Wayne Lynch.....	Sumter, SC
Andrew Edward Newell	Alpharetta, GA
Thomas Patrick Reburn.....	Rock Hill, SC
Rankin McEachern Smith III	Thomasville, GA
Eric Joseph Szumlas	Seneca, SC
***Bethany Hope Timmerman	Greenville, SC

Genetics

†****Sarah Jane Barfield	Six Mile, SC
Samantha Rae Gagnon.....	South Burlington, VT
Michelle Ashley Naman.....	Toms River, NJ
Caroline Anne Thomas	Cheraw, SC

Horticulture

Myles McKinley Ayers.....	Easley, SC
James Whitfield Gilliam IV.....	Edgefield, SC

Microbiology

*Shaina Elaine Arambula	Myrtle Beach, SC
**Suzanne Maria Bisschops	Doylestown, PA
Keith Michael Dufault Thompson	Lincoln, RI
Christopher Albi Fecci.....	Pt Pleasant, NJ
Serena Marie Thatcher	Goose Creek, SC
Eric Loid Vaughn.....	Lexington, NC
**Ariel Lane Whatley.....	Greenville, SC

Packaging Science

***Dustin Christopher Batchler	Gaffney, SC
***James Alan Belcher	Greer, SC
Joshua Loyd Blum.....	Greenville, SC
Bryan Caleb Boley	Simpsonville, SC
*Thomas Carlton Brown, Jr	Pawleys Island, SC
**Michael Patrick Butler	Lewiston, ME
Colin Francis Campbell.....	Camden, SC
*Ray Elliott Coker.....	Greenville, SC
David Bradford Cottrell.....	Greenville, SC
Katelyn Nicole Haynes.....	Greenville, SC
Calvin Anderson Hutto.....	Clemson, SC
*Sarah Elizabeth Jacks.....	Clinton, SC
Meredith Claire Josey	Moore, SC
*Mark William Lasitter	Simpsonville, SC
Kevin James Lempke	Greenville, SC
Robert Matthew Long.....	North Augusta, SC
Michael Andrew Mazzante.....	Florence, SC
**Alex Joshua Perry.....	Greenville, SC
*Natalie Jane Quin.....	Ann Arbor, MI
*Sydney Marie Souviron	Anderson, SC
Austin Colby Specter	Columbia, SC
Joseph Henry Steman	Beaufort, SC
Ryan Neil Watson	Clemson, SC
*William Sangrock Wooi.....	Rock Hill, SC

Pre-professional Studies

*Staten Lelita Barksdale.....	Spartanburg, SC
*Drake Mackinley Meeder	Pickens, SC
Harry Stephen Metropol	Columbia, SC
*Dillon Lewis Moyer	Spartanburg, SC
Emily Marie Wilson.....	Clinton, NC
Andrew Scott Wright.....	Columbia, SC

Soils and Sustainable Crop Systems

*David Leslie Tindal IV.....	Pinewood, SC
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Turfgrass

David Maxwell Alexander.....	Dunwoody, GA
Jeremee Deryl Black.....	Gloverville, SC
Stephen Marshall Daniel.....	Anderson, SC
Nathaniel Jones.....	Kershaw, SC
Christopher Michael Jordan.....	Chapin, SC
Kaitlin Alexandra Mitchum	York, SC
Peter O'Keefe Signoretti	Atlanta, GA

Wildlife and Fisheries Biology

Judson Benjamin Belding.....	Augusta, GA
Brandon R Blackburn.....	Columbia, SC
Thomas Kenneth Frick	Campobello, SC
Kyle Carson Harper	Trenton, SC
Ryan Douglas Jewel.....	Front Royal, VA
Matthew Cole Kynoch	Easton, CT
John Hersey Lawrence	Chapin, SC
Aaron Forbes Murphy	Central, SC
Brandon Naaman Newton	Clemson, SC
Ryan Fleming Rodgers	Phoenix, MD
Hunter Killian Scott	Aiken, SC
Theresia Ann Sullivan	Aiken, SC
William Tanner West.....	Aiken, SC

COLLEGE OF ARCHITECTURE, ARTS AND HUMANITIES

Richard E Goodstein, Dean

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*Morgan Rachael Cole.....	Greenville, SC
*Jena Kathleen Heaton	Greenville, SC
*Joshua Seth Kelly.....	Greenwood, SC
†**Jacqueline Diane Kuntz.....	Mableton, GA
Nathan Daniel Newsome.....	Greenville, SC
Kirby Eugene Pate, Jr.	John's Creek, GA
Katherine Claire Ruggiero.....	Redding, CT
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Christian Alexis Wilson	Clemson, SC

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Craig Carrington Conwell.....	Greer, SC
**Courtney Lynne Smith.....	Dallas, TX
***Kimberly Rose Thoures	San Diego, CA

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Benjamin Franklin Lee Hanna, Jr.	Charleston, SC
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Patricia Marie McLaurin.....	Laurinburg, NC
Marshall Chase Robinson	Spartanburg, SC

Communication Studies

***Katie Lynn Barnes.....	San Clemente, CA
Brittany Virginia Beaumont	Conyers, GA
Tiffany Michelle Ford	Boiling Springs, SC
***Jessica Lindsey Johnson	Columbia, SC
***William Gregory Jolly	Anderson, SC
†**Sarah Jane Kelley	Sewanee, GA
Kathryn Elise McGinn	Longboat Key, FL
*Joshua Brown Morgan	Clemson, SC
***Corinne Marie O'Dea.....	Myrtle Beach, SC
***Elisabeth Alice Peters	Clemson, SC
Charles Travis Powell III	Pageland, SC
Corey Patrick White II.....	Greer, SC

English

**Alexander Charles Barry	Clemson, SC
*Alexandria Leigh Brown	Anderson, SC
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Katelyn Denise Canupp.....	Walhalla, SC
Courtney Renee Castor	Gadsden, SC
John Tanner Dalton.....	Columbia, SC
Myers Addison Enlow.....	Saluda, SC
Keeli K Fricks	Christiansted, VI
Christopher Ryan Lowery.....	Columbia, SC
Meghan Jacquelynn Malloy	Clemson, SC
James Presley May	Goose Creek, SC
**Snezhana Melnichenko	Belton, SC
**Zachary Philip Miller	Johns Island, SC
John Nicholas Moyer	Littleton, CO
Tabitha Sherrie Ann Padgett	Orange Park, FL
Luukas Frazer Pekkala.....	Aiken, SC
***Alta Todd Rathwell	Six Mile, SC
Jessica Brooke Simpson	Anderson, SC
Rebekah Ann Whitacre	Mauldin, SC

History

***Elizabeth Cameron Edmondson	Gramling, SC
****Brandi Leigh Elvington.....	Florence, SC
*Michael John Fiori	Pendleton, SC
John William Gibson	Anderson, SC
Amanda Jane Holland	Spartanburg, SC
Marshall Adam June	Greer, SC

History (continued)

Alexander Terrence Kelly.....	Atlanta, GA
William Edward King	Pendleton, SC
Thomas Whitehead Murrell IV.....	Charlotte, NC
†*Blake A Neal.....	Greenwood, SC
Matthew Ryan Sims	Heath Springs, SC
Jason Thomas Smith.....	Anderson, SC
Kristine Leigh Spaulding	Hardeeville, SC
Rosalia Araiza Vazquez.....	Anderson, SC

Language and International Trade

Matthew Ryan Alexander	Fortmill, SC
Zachary Ryan Costellia	Herndon, VA
Jillian Fox	Upperco, MD
Michael James Geraghty, Jr.....	Upper Saddle River, NJ
**Dana Christine Johnson	Annapolis, MD
*Miranda Rose Lucich	Charleston, SC
*Hollis Valaer McKissick	Greenville, SC
William Thomas Middlebrooks	Snellville, GA
Zebulon Herbert Parsons.....	Liberty, SC
Andrew Walker Payne.....	Easley, SC
Alana Rae Rowman	Stony Brook, NY

Modern Languages

Chelsea Marlene Beard.....	Greenville, SC
**Alyssa Gail Carland	Hendersonville, NC
Joan Ashley Castagno	New Castle, DE
***Tyler Martin Gear	Lexington, SC
**Hali Brooke Hodgin	Clemson, SC
Angela Marie Rice.....	Anderson, SC

Philosophy

**Joshua David Benore	Simpsonville, SC
James R Bryant II.....	Camden County, GA
Shinead Gabrielle James.....	Loris, SC
*Robert Francis Lyghtel	Ann Arbor, MI
†***Michael David Mattheiss	Towson, MD
†***John Willis McCrary.....	Clemson, SC
Brittany Beryl Viall	Marshfield, MA

Production Studies in Performing Arts

Jerry Alan Jacobs II	Charleston, SC
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DOUBLE MAJOR

Communication Studies and Philosophy

†***Ronald Mac Fields	Spartanburg, SC
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English and Production Studies in Performing Arts

*Elizabeth Anne Lamar.....	Chapin, SC
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BACHELOR OF SCIENCE

Construction Science and Management

Charles Newman Attaway.....	North Augusta, SC
Lauren Ashton Crosby.....	Germantown, TN
Hunter Richard Medlock.....	Columbia, SC
Martin Kessler Scott.....	Aiken, SC

Language and International Health

(Language and International Health is jointly administered by the College of Architecture, Arts and Humanities and the College of Health, Education and Human Development.)

Francesca Lynn Best.....	Hanahan, SC
*Erika Leigh Burton	Anderson, SC
Stephanie Elizabeth Dankel.....	McKinney, TX
Rebecca Grace Johnson	Charles City, VA
**Maghan Rebekah Knight.....	Pageland, SC
Jay Kamlesh Patel	Sumter, SC
Samuel Keith Pearson.....	Avondale, AZ
Kelsey Marie Wright	Columbia, SC

COLLEGE OF BUSINESS AND BEHAVIORAL SCIENCE

Charles K Watt, Interim Dean

Bachelor of Arts

Economics

Jan Adam Carter.....	Clemson, SC
*Allison Grace Martin	Tampa, FL
†***John Willis McCrary.....	Clemson, SC
Jonathan Robert Panning	Simpsonville, SC
Ranjeet Singh.....	Fortmill, SC
Alexander Stockinger.....	London, England

Political Science

Christopher Jake Ambrosio	New Hyde Park, NY
Juliana Kathleen Beeks	Branchville, SC
Sumur Rae Bell	Easley, SC
Alexander Thomas Bowie.....	Pickens, SC
Brian Blair Cox	Rock Hill, SC
Andre Laval Friedman	New York, NY
Kandace Renae Gallman	Columbia, SC
Clayton Coghlan Griswold.....	Beaufort, SC
Cameron Wayne Guest.....	North Charleston, SC
Stephen Alexander Janushkowsky	Anderson, SC
Michael Anthony Killins.....	Eatontown, NJ
Jessica Irene Lexow	Atlanta, GA
*Charlotte Anne Miles	Blythewood, SC
**Lane Strom Poston	Hendersonville, NC
Jerry Augustus Roberson III	Lexington, SC
Hayley Ann Rowley.....	Albany, GA

Political Science (continued)

Kamryn Leigh Sherman Ponte Vedra Beach, FL
Wilson Edward Stanton Cheraw, SC
William Beaufort Sturgis II Fort Mill, SC

Psychology

Samantha Lynn Angermeier Greenville, SC
Chelsea Lynn Breedon Las Vegas, NV
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Morgan Chandler Clardy Pelzer, SC
Allison Susan Dickens Greensboro, NC
Torre Fanchon Donaldson Abbeville, SC
Rebeccah Maryann Fields Spartanburg, SC
***Tyler Martin Gear Lexington, SC
*Meegian Alicia Gossard Aiken, SC
Jessica Lee Grady Charleston, SC
Courtney Nicole Halley Camden, SC
**Ashley Nicole Hernandez Tega Cay, SC
†***Carly Michele Herring Kernersville, NC
Rachel McBryde Kam-Johnson Summerville, SC

Degree Awarded Posthumously

*Amanda Michelle Keenum Beaufort, SC
†**Jacqueline Diane Kuntz Mableton, GA
Lauren L Matranga Clemson, SC
Natalie Lucille McKenzie Lake View, SC
*Kaley Breann McLeese Easley, SC
Kimberly Dawn Metz Williamston, SC
***Christine Samantha Muchoe Pearl River, NY
**Stephen Campbell Newman Charleston, SC
Mary Katherine Pierot Fort Mill, SC
Danielle Simone Rhodes Rowlett, TX
Maria Caitlin Rodriguez Mauldin, SC
Karen Lind Skjerning Easley, SC
Taylor Michelle Smith Six Mile, SC
**Kelsey Grace Starr Simpsonville, SC
**Sally Elizabeth Strand Orlando, FL
***Olivia Leigh Williams Greenville, SC
*Elizabeth Carol Willits Lugoff, SC

Sociology

Elizabeth McElveen Allison Columbia, SC
Sarah McDaniel Binnicker Rock Hill, SC
Michael Warren Bodge Shrewsbury, MA
Tajh Khiry Boyd Hampton, VA
James Wesley Cumbie Andrews, SC
Whitney Shanae Fountain Bronx, NY
*Jenifer Leigh Galloway Walhalla, SC
Nicole Marie Genova Bridgewater, NJ
Jason Jerrell Glover St Stephen, SC
Kendall Lorenn Howell Anderson, SC
Zachary Scott Howell Greer, SC
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Sociology (continued)

Cal Carswell McCormick Gilbert, SC
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Hannah Louise Chase Boulder, CO
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Siedah Romon Coleman Abbeville, SC
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Gregory Kevin Romagnoli Livingston, NJ
**Kara Elizabeth Sigmon Perrysburg, OH
Tiffany Marie Smith Greenville, SC
Cory Reid Stack Easley, SC
Evan Thomas Sutker Irmo, SC
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Molly Ann Griffin Simpsonville, SC
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Cardelro Denard Jones McCormick, SC
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Caleb Coleman Hawkins Greenville, SC
Jay Michael Hoekstra Lewisville, NC
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Spencer Chantel Irving Huger, SC
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Jordan Luke Lawrence Spartanburg, SC
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Flen Dwight Mobley II.....	Miramar, FL
Erik Ralph Nemes.....	Plymouth, MA
Ryan James Papera	Verona, NJ
Andrew Mark Paradise.....	Scituate, MA
Jay Vijay Patel	Greenville, SC
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Walter Christopher Regnery, Jr.	Sullivans Island, SC
Katherine Leanna Repik.....	Liberty, SC
Zachary David Rigsby.....	Greenville, SC
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Robert Tucker Rumney	Mt Pleasant, SC
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Jacob Ethan Shearer	Laurens, SC
Paul F Smith	Summerville, SC
Charles Ashton Sprouse	Augusta, GA
Luke John Stofan	Greer, SC
Arunkumaar Subramanian.....	Liberty, SC
Jackson Hart Sykes.....	Charleston, SC
**Kali Ava Szatrowski.....	Westfield, MA
Heather Marie Taylor.....	Newberry, SC
*Nicolette Ann Terranova.....	Flemington, NJ
*Briana Nicole Thompson.....	West Union, SC
Peter Tasker Thompson	North Augusta, SC
Johnathan Brandon Underwood	Greer, SC
Anthony Michael Urquhart.....	Irmo, SC
Cody Lee Urquhart.....	Irmo, SC
Nigel J H Vaughn.....	Braselton, GA
Lauren Elizabeth Walker	Travelers Rest, SC
Scott Bryan Weismann	Boxborough, MA
Ryan Matthew Whitaker.....	Greenville, SC
Ryan Gregory Whitener	Irmo, SC
Austin Andrews Willard	Charlotte, NC
Ryan Shelton Wood.....	Fairfax, VA
Sean Michael Zottnick	Gainesville, GA

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Evan Gregory Burns	Saratoga Springs, NY
Austin Stuart Middlekamp Burris	Charleston, SC
*Maria Grace Condatore	Clermont, FL

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William Eric Dunn	Lexington, SC
†***Erin Elizabeth Fitzgerald.....	Ascot, England
*David Zachary Fulmer	Saluda, SC
Brian Lee Gregory.....	Myrtle Beach, SC
James Gordon Halford IV	Anderson, SC
**William Devin Logue	New Freedom, PA
**Devan Ann Mairose.....	Monte Sereno, CA
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†***Matthew Copeland McCullough.....	Greer, SC
**Caroline Elizabeth McDonough	Simpsonville, SC
Madeline Eve Minnich	McLean, VA
Kelly Lynn Morin.....	Nashville, TN
***Christine Samantha Muchoe.....	Pearl River, NY
Kyle Frederick Parsons	Haverhill, MA
Michael Joseph Pascal	Germantown, TN
**Kara Elizabeth Sigmon	Perrysburg, OH
*Sarah Conway Stafford	Spartanburg, SC
*Jacob Abraham Varughese	Greenville, SC
*Emily Elizabeth Wetherbee	Florence, SC
Elizabeth Barrie Winslow	Columbia, SC

Political Science

Alexander Neer Heyward.....	Pawleys Island, SC
*Lina Nicole Maloney.....	Greenville, SC
Joshua Peter Vanabel	Statesville, NC
Tyler Nathaniel Wirs.....	Hagerstown, MD

Psychology

*Amanda Rae Carter-Evans	Easley, SC
Jonathan Scott Castles.....	Winnsboro, SC
Megan Elizabeth Dennehy.....	Charlotte, NC
Jeannine Alyssa Getty	Rock Hill, SC
Perrin Elizabeth Gibson.....	Edgefield, SC
Nicholas Daniel Heard	Greenville, SC
Leigh A Hearn	Charleston, SC
Margaret Elizabeth Helms.....	Orangeburg, SC
Megan Shaye Holder.....	Dallas, NC
**Haley Nottingham Keith	Pauline, SC
***Matthew David Kelley.....	Daniel Island, SC
Elizabeth Anne Kirby.....	Lake City, SC
***Renée Elizabeth Kulik.....	Greenville, SC
†**Laura Eileen Lamantia	Staten Island, NY
Vanessa Leigh Laxgang	Arlington Heights, IL
***Laura Gant Loveless.....	Kingsport, TN
Raven Cierra McGregor	Rutherfordton, NC
Jonathan Edward McNeil	Columbia, SC
Olivia April McPherson.....	Charleston, SC
*Hannah Elizabeth Noyes	Lorton, VA
Kally Elizabeth Reichhold.....	Milford, DE

Psychology (continued)

John Benson Sloan, Jr.....	Chapin, SC
**Jessica Lane Thomason	Greer, SC
**Valerie Torricos.....	Greenville, SC
*Jimmy Lee Turner II.....	Chapin, SC
Michelle Lynette Wilson.....	Washington, DC

Sociology

Aaron Rhett Armstrong.....	Charleston, SC
Sarah Frances Bailey	Florence, SC
James Harrison Berry.....	Greeneville, TN
Quandon Deaire Christian.....	Lake View, SC
Alexandra Marie Englund	Annapolis, MD
John Cameron Foster	Charlotte, NC
*Michelle Denyse Hilda Herridge.....	Charleston, SC
Brittany Chantel Pringley	Miami, FL
Porsha Koneatha Reed.....	Salley, SC
Bryan Llewellyn Sloan	Pickens, SC
Elizabeth Jennings Terry	Sumter, SC
Joshua Jeremiah Watson.....	Wilmington, DE
Matthew James Yuhas	Gilbert, SC

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Michael Brian Kirschbaum.....	Fort Mill, SC
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Mathematical Sciences

*Kyle Marie Novak	Charleston, SC
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***Elizabeth Lucile Burghardt	Brevard, NC
*Mitchell Layton Fullerton	Magnolia, DE
*Katherine Lee Henson	Greenville, SC
***Samuel Lloyd Karns	Gaffney, SC
†**Casey Jordan Kukielski.....	Charlotte, NC
Jarrett Lee Lucero.....	Easley, SC
Adam Robert Mueller.....	Long Valley, NJ
***Natalie Genevieve Patzin	Naperville, IL
†**John Truman Poole III	Spartanburg, SC
J Tucker Quirk	Needham, MA
Nicholas Paul Rierson.....	Myrtle Beach, SC
**Michael Owens Tyler III.....	Mt Pleasant, SC
**Joshua Cory Williams.....	Easley, SC

Biosystems Engineering

Gregory Heyward Leaphart	Irmo, SC
Anderson Lee McMaster	Florence, SC
**Devin Marie Schultze	Lincoln, NE

Chemical Engineering

Phillipsen Spencer Cornine.....	Central, SC
Brian Showta Hudson	Greer, SC
**Brittany Ann Sandy	Fort Mill, SC
Neil Adam Tolbert.....	Conyers, GA

Chemistry

*Michelle Denyse Hilda Herridge.....	Charleston, SC
Joseph Frederick Murray.....	Brick, NJ
Constance Sophia Previti	Paoli, PA

Civil Engineering

Bryana Ashley Barber	Loganville, GA
Breana Nicole Brown.....	Abington, PA
Elizabeth Hope Burley	Central, SC
Scott David Caldwell	Georgetown, TN
*Ryan Carney	Anderson, SC
Jena Leigh Cox.....	Pelzer, SC
Rosson Edward Creighton.....	Greer, SC
John Anthony Crochet	Dunwoody, GA
Joseph Robert Davis	Chapin, SC
Robert Anthony Day, Jr.....	Lexington, SC
Jason Robert Douglas	Lyman, SC
†**Melissa Marie Gende.....	Chapin, SC
Christopher Chandler Gerding.....	Jarrettsville, MD
*Brian Joseph Graham.....	Mt Pleasant, SC
Charles Griffith Haigh	Mt Pleasant, SC
Eric Nathaniel Hall, Jr.	Columbia, SC
*Vaughn Christine Hayduk	West Palm Beach, FL
*Kevin Charles Heimbrook	Darlington, SC
Omar Denard Hills.....	Columbia, SC
***Albert Boyd Jacks, Jr.	Clinton, SC
Bruce Tyler Johnson	Conway, SC
Shane Conlan Kelly	Westbrook, ME
Samuel Wilfred Knobeloch	Lexington, SC
Patrick Davis Landry.....	Old Lyme, CT
Zachary Winston Lindler.....	Gilbert, SC
*Michael Lee Marshall	Rock Hill, SC
Durrell Javon Mast.....	Seneca, SC
Michael Anthony Montes	Sumter, SC
Bradford Riley Piza	Peabody, MA
Brandon W Roberts	New Albany, MS
***Timothy Joseph Salizzoni.....	North Augusta, SC
Anthony Joseph Sapyta.....	Greer, SC
Andrew Daniel Tomaszczuk	Arlington, VA
Pierre Bok-Chi Tong	Belmont, MA

Civil Engineering (continued)

Waverly Adair Tucker	Moore, SC
Stephanie Kohl Wallis	Goose Creek, SC
Chad Michael Walters	Spartanburg, SC
**Corey Stephen Watt	Greenville, SC
Deborah Lauren Whaley	Greenwood, SC
Brandon Charles Whiteis.....	Gaithersburg, MD
Tyler Boyd Yarbrough	Travelers Rest, SC
Matthew Bryan Yestrebi.....	Rochester, NY

Computer Engineering

Eric Thomas Basso.....	Greenville, SC
Francis Raymond Caulder III.....	Charleston, SC
Chirag Dua	Gurgaon, India
Jefferson Hunt Graydon, Jr.	Columbia, SC
*Siddhant Malani.....	New Delhi, India
**Harshvardhan Pahel	Haryana, India
Alex Michael Palmiter.....	Myrtle Beach, SC
***David Ryan Reynolds.....	Anderson, SC

Computer Information Systems

Paul Frederick Best	Simpsonville, SC
John Gibbs Dickinson	Florence, SC
Samuel Mikell Seabrook.....	Mt Pleasant, SC

Computer Science

†***Rowan Lynn Armstrong.....	Charleston, SC
Wyndham James Batton	Anderson, SC
Matthew David Bauman.....	Clemson, SC
William Cory Beck	Hilton Head Island, SC
*Ayush Bhargava	Gurgaon, India
*Christopher Joseph Corsi	Irmo, SC
*Sanya Gulati	New Delhi, India
Richard P Kelly	Summerville, SC
***David Joseph Kerr	Barnwell, SC
**Nitin Madhok.....	New Delhi, India
Peter Thomas McDonald.....	Taunton, MA
†*Brett Thomas Rhyne	Greenville, SC
***Zane Thomas Rice	Barnwell, SC
†** Timothy Joseph Scott.....	Lexington, SC
Caleb William Suggs.....	Gastonia, NC
Daniel Jordan Sullivan.....	Seneca, SC
Mark Richard Todd	Hilton Head Island, SC
Kevin Clark Truesdell	Aiken, SC
Russell Thomas Walker	Aiken, SC
Nathan Eric Welch	Greenville, SC
Cyrus Carl Witte	Beaufort, SC
*Seokjoon Yoon	Seoul, South Korea

Electrical Engineering

Joshua Drew Berry	Columbia, SC
Chase William Burbage	Bonneau, SC
Emily Warren Burns	Summerville, SC
Zun Bin Chan	Singapore, Singapore
Emily Nichole Collins	West Columbia, SC
Christopher Phillip Coode.....	Nashville, TN
Aubrey Ricco Faircloth	Lamar, SC
Travis Epperly Garriott	Walhalla, SC
Zachary Bowden Greata.....	Ipswich, MA
*Charles Andrew Hendricks.....	Pickens, SC
Teng Hu	ChongQing, China
*Nathaniel Mark Hunt	Wauchula, FL
Chad Owen Leonard	Franklin, MA
Clifton Michael Lighty	Darlington, SC
Taylor Scott Moss	Clover, SC
Landon James Oliver	Greenwood, SC
***Patrick Ryan Olmstead.....	Sandown, NH
*Liam Robert O'Sullivan	Hartsville, SC
Stephen Ross Sanner	Forest Hill, MD
Alexander Dwight Slessman	Greenville, SC
*Gregory Alan Stegall	Stafford, VA
Sara Bailey Stocks	Raleigh, NC
Jonathan Marcus Thomas.....	Aiken, SC
James Ryan Armistead Ziegler	Greenville, SC

Environmental Engineering

Walton Whelchel Barnett.....	Westminster, SC
Preston Sullivan Busbee.....	Columbia, SC
Ryan David Cox.....	Milton, GA
Justin Reid O'Brien	Jupiter, FL
Nicholas Adamo Webber.....	Rindge, NH

Geology

*Erin McLeod Black	North Myrtle Beach, SC
Alexandra Rose Lefitz	Greenville, SC
Tyler Christopher Waterhouse	Summerville, SC
Peter John Wylie	Columbia, SC

Industrial Engineering

William Douglas Duncan	Lexington, KY
Remy Peter Grossi	Lynbrook, NY
Russell Thomas Lortz	Greenville, SC
Theresa Marie McMahon	Wilmington, MA
Leonardo Oswald Roque	Greenville, SC
Tyler Jenkins Young	Aiken, SC

Materials Science and Engineering

Brandon Michael Barnes	Dacula, GA
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Alexander James Taylor	Virginia Beach, VA

Mathematical Sciences

Cullen Hansen Baker	Cary, NC
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Theron Ray Crowder	Spartanburg, SC
John Dawson Heath	Lancaster, SC
†*Ryan S Kingery	Liberty, SC
Jeffrey Patrick Mallon	Stratham, NH
Shandie Jean Yuriko Owenby	Cornelia, GA
*Ryan Andrew Pierce	Anderson, SC
Jackson Lynch Potterfield	Florence, SC
Christopher Harris Snipes	Florence, SC

Mechanical Engineering

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**Robert Eric Anderson, Jr.....	Surfside Beach, SC
Shane Ryan Bandfield	Greenville, SC
*Ranel Jude Sitoy Banes	Goose Creek, SC
Paul Sumter Batton.....	Aiken, SC
Davis James Blazevich	Matthews, NC
Scott Emerson Caine, Jr.	Vero Beach, FL
*David Adam Chapman	Anderson, SC
Jonathan Franklin Craft	Greenwood, SC
**Andrew Kenneth Darwak.....	Simpsonville, SC
Jacob Ross Davis	Rock Hill, SC
John Thomas Doud	Seneca, SC
Brian Wortham Downing.....	Charlotte, NC
Perry Ellwood	Saluda, NC
Ryan Victor Feltman	Anderson, SC
Tyler Drew Fritsch	Georgetown, KY
Andrew Michael Gardner	Damascus, MD
Zachary Gobeille	Little Falls, NJ
Mitchell Hudson Gravely	Pickens, SC
Shawn Michael Gray	Spartanburg, SC
Florian Johannes Haake	Rock Hill, SC
†*Patrick McLaurin Harrington	Charlotte, NC
Michael James Harte	Somonauk, IL
†*Timothy Joseph Hawkins	Aiken, SC
**Mitchell John Herrold	Simpsonville, SC
Matthew Michael Huber	Summerville, SC
*Joshua Ray Johnson	Spartanburg, SC
†**Mark Holland Johnson	Severna Park, MD
Austin Simons Layden	Columbia, SC
Zachary J Linton	Lexington, KY
Anna Victoria Little	Anderson, SC
Christopher Michael Marsh	Mt Pleasant, SC
Sean Paul McCormick	Yorktown, VA
Mark Adrian McNutt	Dayton, OH
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Mechanical Engineering (continued)

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*Benjamin James Winter	Pickens, SC
***Sheng Jia Zheng	Florence, SC

Physics

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***Alyssa Christine McEwen	Salem, SC
**Sasha Nicole Stoudenmire	Greenville, SC
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Amanda Lynn Tiller	McBee, SC

Special Education

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Carly Elizabeth Lightbody Aiken, SC

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*Morgan Ann Lee Charleston, SC
Mary Rachel McMillan Florence, SC
Hannah Elizabeth Nuckles Murrells Inlet, SC
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Abbie Franks Fort Mill, SC
London M Rookard Spartanburg, SC
Christine Elizabeth Ruhe Charlotte, NC
†**William Gilmore Senn Greenville, SC
*Adam Charles Sorrel Chapin, SC

Mathematics Teaching

**Emily Grace Smith Bluffton, SC

Nursing

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**Meghan Lee Anderson Suwanee, GA
**Lindsey Michelle Andrews Florence, SC
***Amie Faye Arflin Anderson, SC
**Charles Douglas Arno III Carthage, NC
Kimberly Lovejoy Baier Spartanburg, SC
Elizabeth Blair Barker Raleigh, NC
*Anastasia Megan Birchfield Greenville, SC
***James Adam Browning Anderson, SC
**Latonya Evette Burton Greenville, SC
*Eeva Kaarina Caldara New City, NY
Jill Hudgens Cash Greenville, SC
Caitlin Marie Chapman Anderson, SC
**William Eric Christmas Florence, SC
William Maxwell Clegg Ninety Six, SC
***Amy Yohe Cowley Simpsonville, SC
Catherine Taylor Crain Anderson, SC
Elizabeth Anne Daly Charleston, SC
*Kelsey Angela DeBoer Franklin, TN
Casey Alexandria Derrick Lexington, SC
**Jacqueline Anne Dickens Simpsonville, SC

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**Ashlan Elisabeth Ferguson Williamston, SC
**Chelsea Halligan Fleming Anderson, SC
Mackenzie Ann Garland Seneca, SC
Corey Michelle Geer Clemson, SC
**Mallory MaryRuth Gray Roswell, GA
**Frances Eugenia Green Lynchburg, SC
**Margaret Wilds Harkness Rock Hill, SC
*Courtney Nicole Harrell Clemson, SC
Carla Slack Holmes Anderson, SC
Megan Ann Jessee North Augusta, SC
*Nicole Marissa Johnston Greenville, SC
***Michael Anthony Jones Greenville, SC
Kristen Janelle Kepple Clover, SC
*Renee Ross King Anderson, SC
***Emma Leigh Krier Blairsville, GA
**Reba J Kruse Pickens, SC
***Kenneth Arthur Kuenzli II Boiling Springs, SC
**Courtney Marie Linnerud Boiling Springs, SC
**Christy Jayne Lowe Poolesville, MD
Griffith Caitlin Lucas Greenville, SC
***Melissa Elizabeth Lukhard Greer, SC
**Ellyn Finney Marionneaux Greenville, SC
Kathryn Elise Mayeux Summerville, SC
*Erin Marie McGeachie Simpsonville, SC
*Jessica Taylor Melton Liberty, SC
**Anna Kiser Montgomery Winnsboro, SC
*Zachary Young Montgomery Camden, SC
Caitlin Annette Moore Spartanburg, SC
**Brianna Portia Newman Sunset, SC
**D'Nysha Jatorian Norris Anderson, SC
Lindsay Elise Pare Methuen, MA
*Megan Elizabeth Pate Spartanburg, SC
*Julia Grace Paulson Crystal Lake, IL
*Mary Ann Buchanan Powell Greenville, SC
*Kanika Harshad Raja Anderson, SC
**Hannah Elizabeth Reynolds Rock Hill, SC
***Shanna Dawn Scott Greenville, SC
Paula Peden Shell Simpsonville, SC
Samantha Paige Skistimas Andover, MA
**Shannon Finesey Smith Easley, SC
*Vanessa Elizabeth Smith Florence, SC
*Richard R Snead Anderson, SC
***Matthew Elan Stroud Dacusville, SC
*Kayla Marie Trotter Easley, SC
***Katherine P Vendley Davidson, NC
**Megan Samantha Wayne McBee, SC

Nursing (continued)

***Robin Taylor Wilson.....	Greenville, SC
*Jennifer Anne Winkler	Baton Rouge, LA
***Gwendolyn Tinsley Wise	Anderson, SC
Janet Denise Wood	Seneca, SC

Parks, Recreation and Tourism Management

Ashley Brooke Alexander	Columbia, SC
Daniel P Argentieri.....	Hornell, NY
David Matthew Banaszak.....	Anderson, SC
Lauren Ashley Bobo	Simpsonville, SC
Claire Peyton Bowman	Cullman, AL
William Andrew Devee Brown.....	Anderson, SC
*George Woodworth Bushby II.....	Rockville, MD
Charles Louie Compton III.....	Goose Creek, SC
Grayson Colby Davis	Orangeburg, SC
***Ashley Lorraine Dempsey.....	Clemson, SC
Melissa Paige Dockins	Anderson, SC
Nealy Elizabeth Fortner	Easley, SC
Nicole Bayne Ham.....	Columbia, SC
Jay Michael Hoekstra	Lewisville, NC
***Kameron Rebekah Horton.....	Rock Hill, SC
*Justin Matthew Hughes.....	Monroe, GA
Jessica Caroline Jones	Summerville, SC
Jessica Lauren Keene.....	Greenville, SC
Kristina Jeanette Kendrick.....	Simpsonville, SC

Parks, Recreation and Tourism Management (continued)

Jake Patrick Macleod.....	Greer, SC
Matthew Emerson McKenzie.....	Camden, SC
Kelly Victoria McKittrick.....	Anderson, SC
**Christopher Mikulka.....	Sandyston, NJ
*Brenna Cristin O'Donald	Easley, SC
Julian Nathan Patton	Rock Hill, SC
*Rita Evelyn Penniman.....	Canton, GA
Michael David Pickens.....	Fort Mill, SC
*Raquel Michelle Raybon	Sarasota, FL
David Edward Robertson	Geenville, SC
Brianna Zahnovia Rollins	Miami, FL
Penn Saad.....	Mt Pleasant, SC
Christopher Brian Shaw	Anderson, SC
Mitchell Phillip Smith	Dunwoody, GA
Alicia Marie Soler	Seneca, SC
Francine Abigayle Stringer	Anderson, SC
*Katherine Cecilia Suntum	Columbia, MD
Joseph Talbert	Winnsboro, SC
**Sarah Elizabeth Thackston	Greer, SC
Jeffrey Montez-Brandon Watkins	Columbia, SC
*Mary Amanda Winkle	Easley, SC
**Christopher Timothy Zeigler.....	Seneca, SC

Secondary Education

John David Hinson II.....	Asheville, NC
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***Cum laude:** A grade-point ratio of 3.40 to 3.69

****Magna cum laude:** A grade-point ratio of 3.70 to 3.89

*****Summa cum laude:** A grade-point ratio of 3.90 to 4.00

†Calhoun Honors College: The graduates so designated in the printed graduation program have completed an enriched program of study through the Calhoun Honors College. To earn this distinction, students must maintain an overall grade-point ratio of 3.40 or higher and complete the requirements of General Honors and/or Departmental Honors. Students who have earned Departmental Honors appear in the line of march wearing the Calhoun Honors College Medallion on an orange and purple ribbon. This medallion is made possible by an endowment established by Mrs. Katherine Inabinet Vickery of Columbia, South Carolina, to honor the memory of her husband and Clemson graduate, the late B C Inabinet.

Students wearing the white stoles over their gowns are graduating with a 3.00 or better grade-point average. Those who are members of university recognized honorary societies may have the names of those societies embroidered on one side of the stole with the university seal embroidered on the other side.

AWARDS

THE CLASS OF '39 AWARD FOR EXCELLENCE

In 1989 on the occasion of the 50th Anniversary of its graduation from Clemson University (then the Clemson Agricultural College of South Carolina), the Class of 1939 established the Award for Excellence. It is presented annually to a faculty member whose contributions over the immediately preceding five-year period are judged by the faculty member's peers to represent the highest achievement of service to the University and the Student Body.

Recipient of the Class of '39 Award for Excellence for 2013

John Ballato

Professor, School of Materials Science and Engineering

Previous Recipients

1989 - Dixie Gooch Goswami
1990 - Joel Vincent Brawley, Jr.
1991 - John L Idol, Jr.
1992 - Raymond C Turner
1993 - Ashby B Bodine II
1994 - Cecil Oates Huey, Jr.
1995 - Francis Anthony McGuire
1996 - R Lawrence LaForge

1997 - Chalmers McNair Butler
1998 - Larry Lee Bauer
1999 - Judith Mary Melton
2000 - Clifton Scott Miller Egan
2001 - Jerry Alan Waldvogel
2002 - Alfred P (Hap) Wheeler
2003 - Douglas Kinly Sturkie III
2004 - Art Young

2005 - Benjamin Lee Sill
2006 - Donald M McKale
2007 - Alma Bennett
2008 - William T Pennington, Jr.
2009 - Webb Morrow Smathers, Jr.
2010 - Melanie M Cooper
2011 - Richard Stephen Figliola
2012 - Windsor Westbrook Sherrill

FACULTY SCHOLARSHIP AWARD

Established at Clemson University in 1959, this award is made annually by the faculty of Clemson University to the member of the graduating class who has the highest scholastic achievement. All graduates who have completed the requirements for the bachelor's degree since the last commencement exercise and who have completed at Clemson at least 75 percent of the work required for graduation shall be eligible for consideration.

Recipients of the Faculty Scholarship Award

Dustin Christopher Batchler
Ronald Mac Fields
Kameron Rebekah Horton
Maximilian Nathan Hughes
Jessica Lindsey Johnson
William Gregory Jolly

Samuel Lloyd Karns
Renee Elizabeth Kulik
Rachel Bunting McCain
David Ryan Reynolds
Zane Thomas Rice
Katherine P Vendley

THE UNIVERSITY REGALIA

The university mace is the symbolic representation of the whole of Clemson University and must be present at any convocation where the University, through its delegated members, is acting officially. At any official convocation such as commencement, the university marshal, carrying the mace, precedes the president into the assembly. The mace rests before the president's chair or speaker's stand throughout the ceremony, and its removal from the assembly at the close of a convocation is symbolic of the official withdrawal of the University and, thus, the close of the proceedings.

The decorative design of Clemson's mace is derived from the ceremonial maces carried by heads of the state and church in the Middle Ages. Its basic club-like shape, however, is much more ancient, probably going back to man's prehistory. It is made of walnut wood and silver, with Clemson's seal in gold and the university colors represented by insets of carnelian (orange) and amethyst (purple). Amethyst is also the state stone of South Carolina.

The presidential chain and seal is symbolic of the authority vested in the office of president by the governing body of the University. Only the university president may wear it, and while wearing it, he speaks for the whole body of the institution. Clemson's chain and seal are made of silver and gold, and cornelian and amethyst.

The batons of the college marshals also descend from medieval "staffs of office," which were carried by the senior members of departments of state or church. They display the university seal and the symbolic color of the discipline to which the college belongs. Clemson's batons are made of walnut wood and silver with the various disciplines inset with enamel.

The Clemson University regalia were designed and executed by Mr. Robert Ebendorf. Mr. Ebendorf is twice winner of the Tiffany Award and one of the most acclaimed goldsmiths of our era. The enamel plaques for the batons were executed by the late Professor Marshall C Bell, and the lapidary work was executed by the late Mr. C C Wilson of Clemson University.

HISTORICAL STATEMENT

Clemson University is named for Thomas Green Clemson (1807-1888), who left the bulk of his estate to the state of South Carolina for the founding of the institution.

Thomas Clemson was born in Philadelphia in 1807 and educated at the Royal School of Mines in Paris (1828-1832). His early profession was that of a mining engineer; however, circumstances diverted his interests into politics and the life of a southern planter, and he soon became an enthusiastic advocate of scientific agriculture. He had a career as a diplomat (chargé d'affaires to Belgium, 1844-1852) and served as the first superintendent of agricultural affairs in Washington (1860). As a scientist he published numerous articles in the fields of mining, chemistry and agriculture. His varied activities included his assistance in the founding of the Maryland Agricultural College, his support of the Morrill Act, his leadership in South Carolina after the Civil War, and his part in founding Clemson University.

Thomas Clemson was the son-in-law of John C Calhoun, a South Carolina political figure of national importance during the first half of the nineteenth century. Mr. Calhoun's home, Fort Hill, is preserved on the Clemson campus as a national shrine.

The academic program at Clemson College began in 1893 with an enrollment of 446. The first "college prospectus" announced only two four-year curricula, supplemented by two two-year preparatory courses. Today the University has six major academic units. These are the College of Agriculture, Forestry and Life Sciences; the College of Architecture, Arts and Humanities; the College of Business and Behavioral Science; the College of Engineering and Science; the College of Health, Education and Human Development; and the Graduate School.

Clemson University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award the bachelor's, master's, education specialist, and doctoral degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, GA 30033-4097 or call at 404-679-4500 for questions about the accreditation of Clemson University.

Curricula are accredited by AACSB International (Association to Advance Collegiate Schools of Business), Accreditation Board for Engineering and Technology, American Council for Construction Education, American Dietetic Association (CADE), American Society of Landscape Architects, Commission on Collegiate Nursing Education (CCNE), Council for Accreditation of Counseling and Related Education Programs (CACREP), National Architectural Accrediting Board, National Association of Schools of Art and Design, National Council for Accreditation of Teacher Education, NRPA/AALR Council on Accreditation, Planning Accreditation Board, and Society of American Foresters. Documentation of accreditation is available in the college deans' offices.

Clemson is a land-grant institution. As such, it is engaged not only in its primary academic program, but does extensive research at the main campus and at five agricultural experiment stations located in the state. The University is also heavily committed to a varied program of public service, including the work of agricultural extension, which has professional personnel located in each of the state's counties.

- U.S. News & World Report ranks Clemson No. 21 among the nation's public universities, No. 8 as an "up-and-coming" school and one of nine public institutions that makes writing a priority across all disciplines.
- Clemson is one of only 14 colleges and universities in the nation excelling in senior capstone experiences, per U.S. News & World Report, 2014.
- SmartMoney ranks Clemson No. 7 in terms of students' return on investment
- Kiplinger magazine rates Clemson among the "100 Best Values in Public Colleges" — 34th for in-state students and 39th for out-of-state students.
- Clemson is among the nation's 75 best values in public colleges and universities according to The Princeton Review Best Value Colleges for 2013.
- Clemson currently has 11 National Science Foundation Graduate Research Fellows, two Goldwater Scholars and four Fulbright Scholars.
- Diverse Issues in Higher Education recognized Clemson as tied for ninth top U.S. producer of African-American engineering Ph.D. graduates and eighth for B.S. graduates.
- In FY 2012, Clemson's externally funded research expenditures totaled \$101.5 million, \$99 million in new awards.
- Clemson's Palmetto Cluster ranks fifth on the list of university-owned supercomputers in the U.S., according to the June 2013 Top 500 list of international supercomputers.
- On the annual National Survey of Student Engagement given to freshmen and seniors, Clemson continues to outscore its peers in nearly every benchmark of overall educational experience.
- Creative Inquiry, a unique Clemson initiative that brings together undergraduate students and faculty to research important issues that affect our world, is described as a "best practice in undergraduate research." More than 400 teams with 3,000 students are actively working on campus.
- More than 50 Clemson faculty have been awarded National Science Foundation CAREER Awards, recognizing young faculty members who are excellent researchers and teachers.
- From a pool of 42,000 professors, five Clemson educators are profiled in "The Best 300 Professors" by The Princeton Review.
- Sixteen endowed-chair faculty positions have been created to attract new, top faculty through the SmartState Program.
- Sixty-five Clemson faculty members have been elected Fellows of national or international academic societies since 2000.
- The National Research Council ranks 15 Clemson doctoral programs in the top 50 among public universities.
- In the past decade, Clemson research has generated 15 spinoff companies; 147 active patents, producing \$28 million in revenue; and \$1.25 billion in research awards.

Candidates appearing in this program are not certified graduates. Likewise, academic honors designations are based upon performance prior to final grades. Both certification of graduation and honors designations must come from the Registrar of the University.

FIRST AID

A First Aid Station is located at the north entrance.

EVACUATION SYSTEM

Littlejohn Coliseum is equipped with a fire-alarm evacuation system. In the event of activation, as noted by sustained horns and strobe lights, please proceed to the closest available exit. Remain outside the building until fire officials deem the building safe to re-enter.

NO SMOKING

Smoking is prohibited in Littlejohn Coliseum.

- Clemson University International Center for Automotive Research has graduated both the nation's first Ph.D. and first female Ph.D in automotive engineering. The Campbell Graduate Engineering Center on the campus is LEED-NC Silver certified. A grant from the Department of Energy will be used to establish a center for research and education in sustainable vehicle systems.
- The Clemson University Restoration Institute is being developed in North Charleston. It houses a major wind turbine drivetrain testing facility, funded by a \$45 million U.S. Department of Energy grant, and a grid simulator.
- The Clemson University Biomedical Engineering Innovation Campus at the Patewood campus of the Greenville Hospital System strives to develop high-impact medical technology and devices and to transfer research and engineering to clinical applications.
- Clemson's engineering program ranked No. 17 in the nation according to a survey of corporate recruiters by *The Wall Street Journal*.
- *DesignIntelligence* magazine named Clemson's architecture graduate program one of the nation's top 10 programs among all public universities in 2012.
- The Clemson University Advanced Materials Center provides state-of-the-art equipment, including one of the nation's most advanced electron microscope facilities.
- Agricultural research and education initiatives supporting South Carolina's \$34 billion agribusiness industry focus on agricultural productivity and sustainability, and capitalize on new and emerging economic opportunities such as biofuels, nutraceuticals and ecological restoration.
- Clemson alumni rank No. 4 in the nation in alumni support to public universities as measured by alumni giving, according to *U.S. News & World Report*.
- For 2012-13, 44 percent of Clemson's graduating students had accepted a job, 3 percent were considering a job offer and 23 percent were going to graduate or professional schools.
- For the sixth year in a row, Clemson has been named to the President's Higher Education Community Service Honor Roll.
- Clemson was named a Campus with a Conscience and one of *The Princeton Review's* 100 socially responsible colleges and universities.
- Clemson's incoming freshman SAT scores rank in the top 15 among national public universities by *U.S. News & World Report*.
- Clemson students consistently capture intercollegiate championships in academic and club competitions such as the Concrete Canoe, Steel Bridge, Pershing Rifles, Ethics Bowl, Blue Key, Traffic Bowl and more.
- *The Princeton Review* ranks Clemson No. 1 for good town-gown relations, No. 1 in the "Jock Schools" category, No. 1 for participation in intramural sports, No. 12 for happiest students, No. 11 for career services, No. 9 for "everybody packs the stadium" and No. 7 for "Their students love these colleges."

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