

12-21-2000

# Clemson Commencement Program, December 2000

Clemson University

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# Graduation Exercises

*December 21, 2000*

*Clemson, South Carolina*



#### 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 21, 2000**

**11:00 a.m.**

**Littlejohn Coliseum**

## **ORDER OF CEREMONIES**

(Audience will please stand as faculty and candidates march in and remain standing for the invocation.)

### **Invocation**

Amy Elizabeth Copeland, Student Representative

### **Introduction of Trustees**

President James F. Barker

### **Conferring of Honorary Degrees**

President James F. Barker

### **Recognition of the Deans of the Colleges**

Interim Vice President for Academic Affairs and Provost  
Doris R. Helms

### **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

Aurora Brass Quintet

Jane Dill, Organist

Kevin Davidson, Soloist

Dr. John W. Huffman, University Marshal

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Lawrence M. Gressette, Jr., Chairman	Columbia
William C. Smith, Jr., Vice Chairman	Columbia
Bill L. Amick	Batesburg-Leesville
J. J. Britton	Sumter
Leon J. Hendrix, Jr.	Kiawah Island
Harold D. Kingsmore	Aiken
Louis B. Lynn	Columbia
Patricia H. McAbee	Greenwood
Leslie G. McCraw	Greenville
E. Smyth McKissick III	Greenville
Thomas B. McTeer, Jr.	Columbia
Joseph D. Swann	Greenville
Allen P. Wood	Florence

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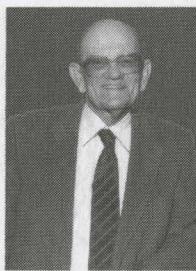
Louis P. Batson, Jr.	Greenville
Fletcher C. Derrick, Jr.	Charleston
W. G. DesChamps, Jr.	Bishopville
Paul W. McAlister	Laurens
Paul Quattlebaum, Jr.	Charleston
D. Leslie Tindal	Pinewood
James M. Waddell, Jr.	Columbia

## Executive Secretary to the Board of Trustees and Executive Assistant to the President

J. Thornton Kirby

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Robert W. Robinson	Director of Athletics



HONORARY DEGREE  
**ROBERT SIMS CAMPBELL, JR.**  
DOCTOR OF HUMANITIES

Robert Sims Campbell, Jr. has been described by his wife, Betsy, as "a man of vision." It is this vision—his ability to see the possibilities and make them happen—that has touched so many people at Clemson University.

After graduating from Clemson in 1937 with a General Science degree in Geology, Mr. Campbell began working full-time at his family business, Campbell Limestone Company, in Gaffney. He became president of the company just three years later when his father passed away. During World War II, he served as an Army officer in the Philippines and occupied Japan and was discharged with the rank of major. When he returned to South Carolina, he energetically devoted himself to turning his small family business into a thriving industry, one that eventually supplied most of the stone used to build the South Carolina section of I-85. His company merged with Vulcan Materials Company in 1968 to become one of the country's largest mining operations. His work as a conservationist during his long career earned him much recognition. He retired as vice president of Vulcan Materials in 1980.

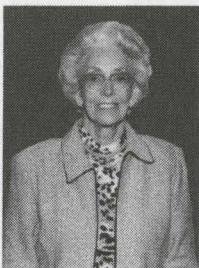
Professionally and personally, Mr. Campbell has participated in many organizations and received numerous awards. He was on the Board of Directors of the National Crushed Stone Association, served as senior warden at the Episcopal Church of the Incarnation in Gaffney and was on the Board of Trustees at York Place Episcopal Home for Children. He received an Honorary Doctor of Laws degree from Limestone College in 1989 and was also named a life trustee of the college after serving 23 years on Limestone's board of trustees. In 1987 Clemson presented him the Clemson Medallion, its highest public award, and in 1998 Governor David Beasley presented him with the Order of the Palmetto.

Mr. Campbell served on the Clemson University Board of Trustees from 1956 to 1960. In 1986 he and his wife donated more than \$1 million to Clemson to establish the Bob Campbell Chair of Technical Communications. At the time, it was the largest gift the University had ever received; it was also the first endowed chair of its kind in the country. Mr. Campbell endowed the chair because he felt that college graduates should be able to express their thoughts clearly, regardless of their major. His foresight and contributions have allowed Clemson to become a national leader in shaping the emerging field of technical communications. In fact, *TIME* magazine chose Clemson as its "Public College of the Year" in 2000 largely due to the University's excellence in teaching writing and communication skills.

Mr. Campbell's other great love at Clemson is his field of study, geology. In 1991 he served on the College of Sciences Advisory Board. He continued his lifelong dedication to conservation when he established on campus both the Bob Campbell Geology Museum and the Campbell Natural History Museum.

As a couple and through their personal foundations, Mr. Campbell and his wife have provided significant financial support to more than 30 programs at Clemson. He once said, "Clemson educated me to be what I am today, and whatever I was able to achieve, I did here in South Carolina. This is an opportunity to give something back." Mr. Campbell's unique vision for Clemson's future helped make the University what it is today.

In recognition of his remarkable and creative contributions to Clemson University, it is with great honor and pleasure that we present the honorary degree, Doctor of Humanities, to Robert Sims Campbell, Jr.



**HONORARY DEGREE  
BETSY MCDAVID CAMPBELL  
DOCTOR OF HUMANITIES**

Betsy McDavid Campbell has spent her life helping others, and her devotion to Clemson University is no exception. She and her husband, Robert, have contributed to the development of more than 30 programs at Clemson through their individual contributions and foundations.

Mrs. Campbell, a Greenville native, received her B.A. from Furman University in 1938 and married that same year. Two years later, she and her husband began managing his family business, Campbell Limestone Company, in Gaffney, and worked together until 1968 when the business merged with Vulcan Materials Company. Mr. Campbell continued to serve as vice president, while Mrs. Campbell began devoting time to her passion, working with socially challenged children.

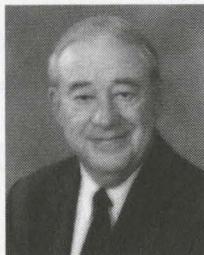
For many years Mrs. Campbell worked one-on-one with developmentally impaired and emotionally disturbed children. Through the Betsy Campbell Foundation, she has supported many youth initiatives, including the Sprouting Wings Program at Clemson. This creative after-school program in the S.C. Botanical Garden focuses on helping children succeed through connecting with nature.

One of her most far-reaching contributions to Clemson came in 1986 when she and her husband donated over \$1 million to establish the Bob Campbell Chair of Technical Communications, the first endowed chair of its kind in the nation. She said at the time, "We believe there is a real need for technical graduates to be able to communicate their ideas in a few words that can be understood and remembered." The effect of this endowment has been significant, gaining Clemson national recognition as a leader in technical communications. This year, *TIME* magazine chose Clemson as its "Public College of the Year" in large part because it is "on the cutting edge of the communications-across-the-curriculum movement."

Mrs. Campbell has received many awards for her years of service to various organizations. As an active leader in the Episcopal Church of the Incarnation in Gaffney, Mrs. Campbell was presented the Henry B. Richardson Award at York Place Episcopal Home for Children. From 1993 to 1995, she served as a member of the Board of Trustees at York Place. Limestone College presented her an Honorary Alumnus Award in 1990 and awarded her an Honorary Doctorate in Public Service in 1999. In 1998 Governor David Beasley presented her with the Order of the Palmetto.

Today, Mrs. Campbell's devotion to Clemson is still strong. In 1997 she contributed to the establishment of the Betsy Campbell Carriage House at the S.C. Botanical Garden. The first Betsy M. Campbell Learning Symposium for Teachers was held in 1999. She recently provided guidance and financial support to initiate a new opportunity to link the Clemson Community Scholars Program to elementary school enrichment programs so that the students can learn from one another. And in the fall of 2000, an organization she founded—Campbell Young Leaders Corporation—funded community service scholarships at Clemson and Furman.

In recognition of these outstanding contributions to Clemson University, it is with great honor and pleasure that we present the honorary degree, Doctor of Humanities, to Betsy McDavid Campbell.



**HONORARY DEGREE  
JOSEPH FRANKLIN EDWARDS  
DOCTOR OF LAWS**

Joseph Franklin Edwards is a man known for his innovative contributions to the field of ceramic engineering. He is a dedicated leader in the brick industry and a faithful alumnus of Clemson University.

A native of Saluda, Mr. Edwards graduated from Clemson with B.S. and M.S. degrees in Ceramic Engineering in 1956 and 1957. He was a first lieutenant in the U.S. Air Force, where he served as a navigator/bombardier in the Tactical Air Command from 1957 to 1960. After his tour of duty, he moved to Kingsport, Tennessee, to join General Shale Products as a research engineer. He was promoted to director of research in 1964. In 1977 Mr. Edwards transferred to the corporate office in Johnson City, Tennessee, after a promotion to director of engineering and research. He was named to his current position of vice president of engineering and research in 1980.

During his years at General Shale Products, Mr. Edwards has guided the technical efforts of the company through countless projects of modernization, including the implementation of a single-layer kiln, the use of fly ash in concrete block and the conversion of the kilns from gas to coal. His groundbreaking research and publication on the freeze-thaw durability of brick products led to the adoption of the current criteria for durability from the American Society for Testing and Materials (ASTM). These criteria protect homeowners and building owners of all income levels from frost deterioration of brick. Under Mr. Edwards' guidance, General Shale has become one of the most technically proficient companies in the ceramic industry.

During his career, he has been involved in a number of organizations, including ASTM, the American Ceramic Society and the Brick Institute of America (now the Brick Industry Association). Mr. Edwards was elected a Fellow of the American Ceramic Society in 1979 and received the ASTM Award of Merit in 1993.

Mr. Edwards has offered his leadership skills and generosity to Clemson in many ways. In 1985, he was a member of a committee founding the Chad Health Trust Fund, which initially supported the late Dr. Gil Robinson's research for the brick industry. He became a member of the Executive Committee of the Center for Engineering Ceramic Manufacturing in 1987 and later served as the committee chairman. He was chairman during the crucial period when the Ceramic Center started the fund drive to build and equip the Bishop Ceramic Laboratory at Clemson Research Park. The majority of the pledges were obtained during his tenure, and he was influential in raising a total of \$2.8 million for the Bishop Lab. He was responsible for encouraging companies in the brick industry to donate more than \$950,000, and his company has contributed \$450,000 over the past decade. Additionally, Mr. Edwards' influence was key to getting the Tile Council of America to invest \$1.1 million in the Clemson Research Park.

In recognition of his extraordinary leadership and contributions to Clemson University, it is with great honor and pleasure that we present the honorary degree, Doctor of Laws, to Joseph Franklin Edwards.

### The Academic Procession

The Academic procession is composed of the faculty, staff, officers, trustees, and 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 as follows:

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 Public Affairs	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

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.

The academic costumes of faculty whose degrees are from United States' institutions 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. 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' 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. 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.

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# CANDIDATES FOR THE DOCTOR'S DEGREE

BONNIE HOLADAY, Dean, Graduate School

## COLLEGE OF AGRICULTURE, FORESTRY, AND LIFE SCIENCES

### DOCTOR OF PHILOSOPHY

#### Applied Economics

Katerina Andrews \_\_\_\_\_ Athens, Greece

M.B.A., Delaware State College

Dissertation: Factors that Affect the Demand for Medical Care Services: A Micro-Macro Econometric Analysis

Advisor: Dr. G. L. Bradford

Madhusudan Bhattarai \_\_\_\_\_ Kathmandu, Nepal

B.S., Andhra Pradesh Agricultural University; M.S., University of Philippines

Dissertation: The Environmental Kuznets Curve for Deforestation in Latin America, Africa and Asia: Macroeconomics and Institutional Perspectives

Advisor: Dr. M. D. Hammig

Ramachandra Jammi \_\_\_\_\_ Washington, DC

B.T., P.G.M., Indian Institute of Technology-New Delhi

Dissertation: Clean Technology Diffusion in a Globalizing World: The Case of the Steel Industry

Advisor: Dr. W. A. Ward

Louis Raymond Lanier \_\_\_\_\_ Lugoff, SC

B.S., Clemson University

Dissertation: The Political Economy of Rent Sharing

Advisor: Dr. W. R. Dougan

#### Environmental Toxicology

Charles Stephen Knight \_\_\_\_\_ Lancaster, SC

B.S., Embry-Riddle Aeronau; M.S., Clemson University

Dissertation: Bioremediation of Animal Waste Water to Yield Near Potable Water

Advisor: Dr. A. K. Greene

#### Food Technology

Kerban Candogan \_\_\_\_\_ Ankara, Turkey

B.S., M.S., Ankara University Faculty of Natural and Applied Sciences

Dissertation: Bacterial Starter Cultures, Aging and Fermentation Effects on some Characteristics of Beef Sausages

Advisor: Dr. J.C. Acton

Atif Can Seydim \_\_\_\_\_ Ankara, Turkey

B.S., M.S., Ankara University Faculty of Agriculture; M.S., Clemson University

Dissertation: Evaluation of Shelf-Life of Ostrich Meat

Advisor: Dr. P. L. Dawson

Zeynep Banu Seydim \_\_\_\_\_ Ankara, Turkey

B.S., Ankara University Faculty of Agriculture; M.S., Ankara University of Natural and Applied Sciences; M.S., Clemson University

Dissertation: Studies of Fermentation, Microbiological and Biochemical Properties of Kefir and Kefir Grains

Advisor: Dr. A. K. Greene

#### Genetics

Yeisoo Yu \_\_\_\_\_ Seoul, Korea

B.S., M.S., Kyung Kee University

Dissertation: Development and Application of Research Tools for Plant Genomics

Advisor: Dr. R. A. Wing

#### Microbiology

Sandra Paige Story \_\_\_\_\_ Easley, SC

B.S., University of Montana-Amherst

Dissertation: Delineation of Catabolic Pathways for Utilization of Polycyclic Aromatic Hydrocarbons by Sphingomonas paucimoloi

EPA 505

Advisor: Dr. S. S. Hayasaka

#### Plant Pathology

Woobong Choi \_\_\_\_\_ Busan, Korea

B.S., M.S., Seoul National University

Dissertation: Isolation and Characterization of Novel Genes Involved in Appressorium Formation by the Rice Blast Fungus,

Magnaporthe grisea

Advisor: Dr. D. A. Kluepfel

### Plant Physiology

Ahmet Korkmaz \_\_\_\_\_ Aydin, Turkey  
B.A., M.S., Ege University Faculty of Engineering; M.S., University of Delaware  
Dissertation: Consequences of Short-Term Cyclic Cold Temperature Stresses on Watermelon and Cantaloupe Seedlings and Field Growth, Yield and Quality  
Advisor: Dr. R. J. Dufault

Marjorie Borom Miller \_\_\_\_\_ Easley, SC  
B.S., M.S., University of South Carolina  
Dissertation: Potential Transgene Escape via Interspecific Pollen Flow in *Fragaria* Spp.  
Advisor: Dr. T. P. Spira

Aranya Tantipanajporn Pimmongkol \_\_\_\_\_ Chaiyaphoom, Thailand  
B.S., Khon Kaen University; M.S., Chulalongkorn University  
Dissertation: Investigation of MSMA Resistance and Mode of Action in Common Cocklebur ( *Xanthium strumosum* L.)  
Advisor: Dr. N. D. Camper

Erik Ross Pullman \_\_\_\_\_ Pulaski, PA  
B.S., Pennsylvania State University  
Dissertation: Carbon Cycle Dramatics in a Taiga Peatland  
Advisor: Dr. T. M. McInnis, Jr.

Charissa Deanne Dresden-Osborne \_\_\_\_\_ Highland, IN  
B.S., Butler University  
Dissertation: Effects of Fumonisins on Selected Murine Immune Responses and Infection with *Trypanosoma cruzi*  
Advisor: Dr. G. P. Noblett

Eric Glenn Haenni \_\_\_\_\_ St Louis, MO  
B.A., Hendrix College  
Dissertation: On the Growth, Functional Morphology, and Embryological Development of the Cephalofoil in the Bonnethead Shark, *Sphyrna tiburo*  
Advisor: Dr. J. P. Wourms

Ian James Renne \_\_\_\_\_ Pittsburgh, PA  
B.S., Syracuse University; M.S., Clemson University  
Dissertation: Invasion of the Chinese Dallow Tree: Causes, Consequences and Forecast  
Advisor: Dr. T. P. Spira

## COLLEGE OF BUSINESS AND PUBLIC AFFAIRS

### DOCTOR OF PHILOSOPHY

#### Industrial Management

Ravi Chander Paul \_\_\_\_\_ Bangalore, India  
B.E., Bangalore University; M.S., Clemson University  
Dissertation: Customer Contact and Service Quality of Software Support in Firms: An Empirical Study  
Advisor: Dr. J. S. Davis

Raktim Sen \_\_\_\_\_ Calcutta, India  
B.E., University of Calcutta; M.S., Clemson University  
Dissertation: Combining Infinite Capacity Scheduling and Finite Capacity Scheduling: An Experimental Investigation of an Alternative Scheduling Procedure  
Advisor: Dr. R. L. LaForge

#### Management Science

Javier Olaya \_\_\_\_\_ Tulua, Colombia  
B.S., University of Del Valle  
Dissertation: A Method for Selecting Variables in Nonparametric Regression  
Advisor: Dr. K. B. Kulasekera

Roy Segars, Jr. \_\_\_\_\_ Hartwell, GA  
B.S., M.S., Georgia Institute of Technology; M.S., University of Delaware  
Dissertation: Location Problems with Barriers Using Rectilinear Distance  
Advisor: Dr. P. M. Dearing, Jr.

## COLLEGE OF ENGINEERING AND SCIENCE

### DOCTOR OF PHILOSOPHY

#### Biosystems Engineering

Anukul Watthanasuk \_\_\_\_\_ Singha Buri, Thailand  
B.S., M.S., Chulalongkorn University  
Dissertation: Selective Protein Separation by Formed-In-Place Chitosan and Composite Chitosan-Aginate Membranes  
Advisor: Dr. R. F. Testin

#### Chemical Engineering

Christopher Gladstone Howard \_\_\_\_\_ Greenville, SC  
B.S., Clemson University  
Dissertation: The Synthesis and Catalytic Properties of Novel Heterogeneous Oxidation Catalysts  
Advisor: Dr. D. A. Bruce

#### Chemistry

Melissa Ann Dempster \_\_\_\_\_ Lexington, SC  
B.S., Clemson University  
Dissertation: Applications of the Particle Beam-Hollow Cathode Glow Discharge Atomic Emission Spectrometry System for Elemental Analysis  
Advisor: Dr. R. K. Marcus

Mehtap Emirdag Eanes \_\_\_\_\_ Izmir, Turkey  
B.S., Ege University Faculty of Engineering; M.S., Clemson University  
Dissertation: Synthesis and Characterization at Alkali Silver Chalcogenides and Alkali Rare Earth Germanates by Supercritical Fluids  
Advisor: Dr. J. W. Kolis

Ritchie Curtis Eanes \_\_\_\_\_ Ridgeway, VA  
B.S., Guilford College  
Dissertation: Development of a Radio-Frequency Glow Discharge Ion Trap Mass Spectrometer for Elemental Analysis and Ion-Molecule Applications  
Advisor: Dr. R. K. Marcus

Mustafa Guzel \_\_\_\_\_ Manisa, Turkey  
B.S., Hacettepe University; M.S., Clemson University  
Dissertation: Asymmetric Catalytic Synthesis Using Arene Chromium Carbonyls  
Advisor: Dr. G. B. Jones

Steven Barry Heaton \_\_\_\_\_ Conway, SC  
B.S., M.S., Clemson University  
Dissertation: Alene Chromium Carbonyl Based Asymmetric Catalysis  
Advisor: Dr. A. L. Beyerlein

Qun Huang \_\_\_\_\_ Shanghai, China  
B.S., Fudan University  
Dissertation: Novel Fluorocarbon Peroxygen Compound Derived from Difluorodioxane Bisfluoroformyl Peroxide and Related Compounds  
Advisor: Dr. D. D. Desmarteau

Jianzhong Lu \_\_\_\_\_ Caojin, China  
B.S., M.S., Peking University  
Dissertation: Synthesis and Pharmacology of Non-Traditional Cannabinoids  
Advisor: Dr. J. W. Huffman

Vittorio Montanari \_\_\_\_\_ Milano, Italy  
M.S., University of Milano  
Dissertation: Novel Fluorocarbon-Iodine (111) Reagents: The Fluoroalkylatia of Amino Acids and the Preparation of Fluoroalkyl-Modified Bioactive Peptides  
Advisor: Dr. D. D. Desmarteau

Gary W. Plourde II \_\_\_\_\_ Reading, PA  
B.A., Kutztown University of Pennsylvania  
Dissertation: Molecular Targeting of Designed Enediynes  
Advisor: Dr. A. L. Beyerlein

Philip Thomas Radford \_\_\_\_\_ Ashby, MA  
B.A., Bob Jones University  
Dissertation: Electrochemical Amplification of Redox-Active Solutes  
Advisor: Dr. S. E. Creager

Jason Eric Riggs \_\_\_\_\_ Lawrenceville, GA  
B.S., Berry College  
Dissertation: Optical Limiting Properties of Fullerenes and Related Materials  
Advisor: Dr. Y. P. Sun

**Chemistry (continued)**

Gregory John Shafer \_\_\_\_\_ Aurora, IL  
B.S., Bradley University  
Dissertation: Synthesis of Bis ((perfluoroalkyl) sulfonyl)Methane Monomers and Polymers and Chemistry of Trifluoromethylsulfinate Salts and Trifluoromethylsulfones  
Advisor: Dr. D. D. Desmarreau

James Jeffery Sumner \_\_\_\_\_ High Point, NC  
B.S., High Point University  
Dissertation: Studies of Bridge-Mediated Electron Transfer Between Redox Molecules and Electrodes  
Advisor: Dr. S. E. Creager

Edward George Sutt, Jr. \_\_\_\_\_ Clemson, SC  
B.S., Worcester Polytechnic Institute; M.S., Clemson University  
Dissertation: Combined Uplift and Shear Resistance of Roof Sheathing  
Advisor: Dr. T. A. Reinhold

Nicolae Peter Costescu \_\_\_\_\_ Falls Church, VA  
B.S., Virginia Polytechnic Institute & State University; M.S., Clemson University  
Dissertation: Real-Time Software for Control and Robotic Applications  
Advisor: Dr. D. M. Dawson

Robert Boyd Ross \_\_\_\_\_ Conyers, GA  
B.S., Clemson University  
Dissertation: Reactive Scheduling For Parallel I/O Systems  
Advisor: Dr. W. B. Ligon

Daniel Charles Stanzione, Jr. \_\_\_\_\_ Seneca, SC  
B.S., M.S., Clemson University  
Dissertation: Problem Solving Environment Infrastructure for High Performance Computer Systems  
Advisor: Dr. W. B. Ligon

Shawn David Rogers \_\_\_\_\_ Lexington, SC  
M.S., B.S., Clemson University  
Dissertation: Genetic Algorithm Optimization and Realization of Broadband Wire Antennas  
Advisor: Dr. C. M. Butler

Niyazi Serdar Tunaboylu \_\_\_\_\_ Roswell, GA  
B.S., M.S., Middle East Technical University  
Dissertation: Electromechanical Performance of Induction Motor/Drive Systems Subjected to Voltage Sags  
Advisor: Dr. E. R. Collins

Erkan Zergeroglu \_\_\_\_\_ Ankara, Turkey  
B.S., Hacettepe University; M.S., Middle East Technical University  
Dissertation: Model-Based Control Algorithms for Robot Manipulators  
Advisor: Dr. D. M. Dawson

Young Jin Kim \_\_\_\_\_ Taegu, Korea  
B.S., M.S., Korea Advanced Institute Science and Technology  
Dissertation: Design Optimization Issues in Off-Line Quality Engineering Systems  
Advisor: Dr. B. R. Cho

Jirarat Teeravarapug \_\_\_\_\_ Bangkok, Thailand  
B.E., Kasetsart University; M.S., University of Pittsburgh  
Dissertation: Economic Designs of Process Target For Multiple Quality Characteristics  
Advisor: Dr. B. R. Cho

Nidia Constanza Gallego \_\_\_\_\_ Cali, Colombia  
B.S., University Del Valle; M.S., Clemson University  
Dissertation: Transport Properties of Ribbon-Shaped Carbon Fibers: Property-Structure Relationship  
Advisor: Dr. D. D. Edie

Kelle Lynn Clark \_\_\_\_\_ Clemson, SC  
B.S., Augusta College; M.A., University of Alabama  
Dissertation: Bounds for the Minimum Weight of the Dual Codes of Some Classes of Designs  
Advisor: Dr. J. D. Key

**Mechanical Engineering**

Jinhua Huang \_\_\_\_\_ Clemson, SC  
B.E., Hefei University of Technology; M.S., Shanghai Jiatong University  
Dissertation: Heterogeneous Component Modeling and Optimal Design for Manufacturing  
Advisor: Dr. G. M. Fadel

Dibon Keith Walters IV \_\_\_\_\_ Aiken, SC  
B.S., M.S., Clemson University  
Dissertation: Development and Implementation of Advanced Turbulence Models for Turbomachinery Applications  
Advisor: Dr. J. H. Leylek

**Physics**

Daniel Ghebretefas Tekleab \_\_\_\_\_ Addis Ababa, Ethiopia  
B.Sc., M.Sc., Addis Ababa University; M.S., Clemson University  
Dissertation: Effect of Deformation on Electric Structure of Multiwalled Carbon Nanotube  
Advisor: Dr. D. L. Carroll

**Textiles, Fiber and Polymer Science**

Bridgette L. Gomillion \_\_\_\_\_ Augusta, GA  
B.S., Georgia Institute of Technology  
Dissertation: Fiber Production with In-Situ Formation of Fibrillar Microstructures by Chaotic Mixing  
Advisor: Dr. M. S. Ellison

**COLLEGE OF HEALTH, EDUCATION, AND HUMAN DEVELOPMENT****DOCTOR OF EDUCATION****Vocational and Technical Education**

Harriett Mattox Hayes \_\_\_\_\_ Greer, SC  
B.S., Alabama State University; M.Ed., University of Vermont and State AG College  
Dissertation: A Comparison of Student Achievement of Attendance Zone Magnet Schools and Traditional Schools in a Southeastern State  
Advisor: Dr. W. D. Paige

**DOCTOR OF PHILOSOPHY****Curriculum and Instruction**

Kathryn Jeanne Ballou \_\_\_\_\_ Pickens, SC  
B.A., Florida Atlantic University; M.Ed., Clemson University  
Dissertation: The Effect of a Twenty-week Drama Intervention on Communication Skills and Learning Attitudes of At-Risk Sixth Grade Students  
Advisor: Dr. T. I. Parks

Elaine Mumabauer Wiegert \_\_\_\_\_ Simpsonville, SC  
B.A., University of South Carolina; M.Ed., Clemson University  
Dissertation: Developing Expertise in Elementary Mathematics Teaching  
Advisor: Dr. R. M. Horton

**Educational Leadership**

O'Neil Buford Burton III \_\_\_\_\_ Clemson, SC  
B.A., University of South Carolina, M.A., Clemson University  
Dissertation: The Impact of Participation in a Cooperative Education Program on the Academic Performance, Retention and Persistence of Certain Engineering Students at Clemson University  
Advisor: Dr. R. L. Blackbourn

Carl Michael Campbell \_\_\_\_\_ Abbeville, SC  
B.S., University of South Carolina; M.Ed., Ed.S., Clemson University  
Dissertation: Analysis of Litigation Regarding Educational Finance in the Public Schools System of South Carolina  
Advisor: Dr. J. L. Flanigan

**Parks, Recreation, and Tourism Management**

Richard Hugh Harrill \_\_\_\_\_ Gaffney, SC  
B.A., College of Charleston; M.C.R.P., Clemson University  
Dissertation: A Multiple Neighborhood Study for Community Attachment and Resident Attitudes Toward Tourism Development  
Advisor: Dr. T. D. Potts

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#### Agricultural and Applied Economics

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#### Biochemistry

Evelina Roxana Loghin \_\_\_\_\_ Ploiesti, Romania

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#### Genetics

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Preethi Ramaiya \_\_\_\_\_ Bangalore, India Qiu Yuan \_\_\_\_\_ Beijing, China

#### Nutrition

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#### Zoology

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Michael Eugene Coggan	Greenville, SC	Joseph Howard Patrick III	Greenwood, SC
Johnston Lee Cook	Spartanburg, SC	Michael Milner Pfohl	Taylors, SC
Daniel Tyson Crews	Spartanburg, SC	Suzanne Ayres Schlotterback	Simpsonville, SC
Stacie Cheryl Darr	North Augusta, SC	Erin Boyd Schwasnick	Kingtree, SC
James Travis Dover	Waterloo, SC	Keith Yatish Shah	Pittsburgh, PA
Jason Errol Duncan	Moore, SC	Brice Kenneth Smith	Greenville, SC
Carol Virginia Fairchok	Greer, SC	Shannon Firth Smith	Simpsonville, SC
Robert Andrew Finch	Columbia, SC	James Thomas Stewart	Simpsonville, SC
Rebecca Clark FitzSimmons	Simpsonville, SC	Meredith Cindy Thomas	Hickory, NC
Joseph David Fleming	Greenville, SC	Pamela S. Tyner	Greenwood, SC
William Charles Grunert	Greer, SC	Phillip Andrew Vickery	Greenwood, SC
Lee Edward Hill	Pendleton, SC	Alan Lee Ward	Hendersonville, NC
Katherine Susanna Klava Huggins	Greenville, SC	Charles Bradford Weaver	Columbus, GA
Ganesh Viswanathan Iyer	Greenville, SC	John Alan Wittibschlager	Greenville, SC
Coleman Ashley Kirven	Anderson, SC	Mei Zhou	Shandong, China
Larry Patrick Knebels	Langhorne, PA		

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Melissa Roper Cashman	Anderson, SC	John K. Matthews	Northville, MI
Douglas Franklin Cottingham	Moncks Corner, SC	Marcie Ann Patterson	Greenville, SC
Matthew Chad Cottingham	Greenville, SC	Roxanne Louise Rich	Donalds, SC
Scott Edwin Gregory	Spartanburg, SC	Kelly Brown Stover	Johnson City, TN
Mindy June Harvey	Hendersonville, NC	Jennifer Leigh Workman	Laurens, SC
Leslie Ann Johnson	Conway, SC		

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William Kevin Bronson	Easley, SC	Joseph DeGraaf Woodman	Greenville, SC

**MASTER OF SCIENCE**

**Applied Psychology**

William J. Attenweiler	Anderson, SC	Theodore B. Pasquale	Jamestown, NY
Marianne Liptak	Garfield Heights, OH	Julie Marie Workman	Tallahassee, FL
Rebecca Marie Morley	Miamisburg, OH		

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Gareth MacGregor Burns	Stone Mountain, GA	Ronald William Penne	Red Bluff, CA
Marc Gabriel Heimlich	Clemson, SC	Ramraj Rajagopalan	Chennai, India
Gabriel Limon	Liberty, SC	John Matthew Sheriff	Westminster, SC

**Industrial Management**

Xiaoming Li	Taizhou, China	Charles Alan Stillwell, Jr.	Augusta, GA
Kenneth Savio Lopez	Bombay, India	Zongchen Wang	Shandong, China
Ramesh Rajeswaran	Tamil Nadu, India	Shen-Hang Wei	Taichung, Taiwan
Papon Silphiphart	Samutprakarn, Thailand	Kelly LeighAnn Wilburn	Union, SC

**COLLEGE OF ENGINEERING AND SCIENCE**

**MASTER OF ENGINEERING**

**Electrical Engineering**

Michael William Deller	Rock Hill, SC	Mark Joseph Kruse	Sinking Spring, PA
Norman Craig Dorward	Reading, PA		

**MASTER OF SCIENCE**

**Bioengineering**

Griet Gerdes Atkins	Easley, SC	Marjorie Joan Piskorski	Port Jefferson, NY
Michael Jacob Merves	Fairfield, OH	Shalanda Rene Webb	Clemson, SC

**Biosystems Engineering**

Gregory Scott Mitchell	Belton, SC
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Jennifer Leigh Mook \_\_\_\_\_ Meadville, PA

## COLLEGE OF ARCHITECTURE, ARTS, AND HUMANITIES

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John Michael DeWorken \_\_\_\_\_ Greenville, SC Jeffrey Patrick McQuillen \_\_\_\_\_ Selden, NY

#### History

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Vera LeeAnn Landers \_\_\_\_\_ Atlanta, GA Jennifer Petroff Smith \_\_\_\_\_ Rock Hill, SC

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### MASTER OF BUSINESS ADMINISTRATION

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Michael Eugene Coggan	Greenville, SC	Joseph Howard Patrick III	Greenwood, SC
Johnston Lee Cook	Spartanburg, SC	Michael Milner Pfohl	Taylors, SC
Daniel Tyson Crews	Spartanburg, SC	Suzanne Ayres Schlotterback	Simpsonville, SC
Stacie Cheryl Darr	North Augusta, SC	Erin Boyd Schwabnick	Kingtree, SC
James Travis Dover	Waterloo, SC	Keith Yatish Shah	Pittsburgh, PA
Jason Errol Duncan	Moore, SC	Brice Kenneth Smith	Greenville, SC
Carol Virginia Fairchok	Greer, SC	Shannon Firth Smith	Simpsonville, SC
Robert Andrew Finch	Columbia, SC	James Thomas Stewart	Simpsonville, SC
Rebecca Clark FitzSimmons	Simpsonville, SC	Meredith Cindy Thomas	Hickory, NC
Joseph David Fleming	Greenville, SC	Pamela S. Tyner	Greenwood, SC
William Charles Grunert	Greer, SC	Phillip Andrew Vickery	Greenwood, SC
Lee Edward Hill	Pendleton, SC	Alan Lee Ward	Hendersonville, NC
Katherine Susanna Klava Huggins	Greenville, SC	Charles Bradford Weaver	Columbus, GA
Ganesh Viswanathan Iyer	Greenville, SC	John Alan Wittbschlager	Greenville, SC
Coleman Ashley Kirven	Anderson, SC	Mei Zhou	Shandong, China
Larry Patrick Knebels	Langhorne, PA		

### MASTER OF PROFESSIONAL ACCOUNTANCY

Deana Doughty Bouknight	Simpsonville, SC	Craig Richard Lundgren	Piedmont, SC
Melissa Roper Cashman	Anderson, SC	John K. Matthews	Northville, MI
Douglas Franklin Cottingham	Moncks Corner, SC	Marcie Ann Patterson	Greenville, SC
Matthew Chad Cottingham	Greenville, SC	Roxanne Louise Rich	Donalds, SC
Scott Edwin Gregory	Spartanburg, SC	Kelly Brown Stover	Johnson City, TN
Mindy June Harvey	Hendersonville, NC	Jennifer Leigh Workman	Laurens, SC
Leslie Ann Johnson	Conway, SC		

### MASTER OF PUBLIC ADMINISTRATION

(Master of Public Administration is jointly administered by  
Clemson University and the University of South Carolina.)

Christopher Andrews Berg	Greenville, SC	Kimberly L. Seymour	Taylors, SC
William Kevin Bronson	Easley, SC	Joseph DeGraaf Woodman	Greenville, SC

### MASTER OF SCIENCE

#### Applied Psychology

William J. Attenweiler	Anderson, SC	Theodore B. Pasquale	Jamestown, NY
Marianne Liptak	Garfield Heights, OH	Julie Marie Workman	Tallahassee, FL
Rebecca Marie Morley	Miamisburg, OH		

#### Graphic Communications

Kristy Dorilam Addison	Clemson, SC	Jai-Pei Lu	Taipei, Taiwan
Gareth MacGregor Burns	Stone Mountain, GA	Ronald William Penne	Red Bluff, CA
Marc Gabriel Heimlich	Clemson, SC	Ramraj Rajagopalan	Chennai, India
Gabriel Limon	Liberty, SC	John Matthew Sheriff	Westminster, SC

#### Industrial Management

Xiaoming Li	Taizhou, China	Charles Alan Stillwell, Jr.	Augusta, GA
Kenneth Savio Lopez	Bombay, India	Zongchen Wang	Shandong, China
Ramesh Rajeswaran	Tamil Nadu, India	Shen-Hang Wei	Taichung, Taiwan
Papon Silphiphat	Samutprakarn, Thailand	Kelly LeighAnn Wilburn	Union, SC

## COLLEGE OF ENGINEERING AND SCIENCE

### MASTER OF ENGINEERING

#### Electrical Engineering

Michael William Deller	Rock Hill, SC	Mark Joseph Kruse	Sinking Spring, PA
Norman Craig Dorward	Reading, PA		

### MASTER OF SCIENCE

#### Bioengineering

Griet Gerdes Atkins	Easley, SC	Marjorie Joan Piskorski	Port Jefferson, NY
Michael Jacob Merves	Fairfield, OH	Shalanda Rene Webb	Clemson, SC

#### Biosystems Engineering

Gregory Scott Mitchell	Belton, SC
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**Ceramic Engineering**

Malin Charoenwongsa \_\_\_\_\_ Bangkok, Thailand

**Chemical Engineering**Amit Gupta \_\_\_\_\_ New Delhi, India Amarnath Naredy \_\_\_\_\_ Hyderabad, India  
Matthew Ryan Kesterson \_\_\_\_\_ Columbia, SC**Chemistry**

Jeffrey Lucius Harris, Jr. \_\_\_\_\_ North Myrtle Beach, SC

**Civil Engineering**J. Clifton Collins \_\_\_\_\_ Greenwood, SC Bradley James Putman \_\_\_\_\_ Johnson City, NY  
Aaron DeWayne Fuller \_\_\_\_\_ Carutherville, MO Kedar Shashank Ranade \_\_\_\_\_ Pune, India  
Melissa Beth Henkel \_\_\_\_\_ Imperial, PA Zoraya E. Roldan \_\_\_\_\_ Ponce, Puerto Rico  
Brian Thomas Hennessy \_\_\_\_\_ Clemson, SC**Computer Engineering**Manjunath Subramanya Bharadwaj \_\_\_\_\_ Bangalore, India Vaipuri Ramasubramaniam \_\_\_\_\_ Tamil Nadu, India  
Amiel DeVoursney \_\_\_\_\_ Summertown, TN Bing Ren \_\_\_\_\_ Jiangxi, China  
Kalyan Kumar Gouni \_\_\_\_\_ Hyderabad, India Lan Yu \_\_\_\_\_ Hubei, China  
William Michael Jones \_\_\_\_\_ Conway, SC Chitrangan Zaroo \_\_\_\_\_ Ghaziabad, India  
Raghunath Parthasarathy \_\_\_\_\_ Nasik, India**Computer Science**Nishigandha U. Bhonsle \_\_\_\_\_ San Mateo, CA Xianchang Li \_\_\_\_\_ Hebei, China  
Raja Sekhar Duddupudi \_\_\_\_\_ Hukumpeta, India Qingyuan Meng \_\_\_\_\_ Clemson, SC  
Chris Brian Freeze \_\_\_\_\_ McMinnville, TN Prashanth V.S. Nimmagadda \_\_\_\_\_ Hyderabad, India  
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Qirong Gao \_\_\_\_\_ Beijing, China Charles W. Roberts \_\_\_\_\_ East Ellijay, GA  
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Syed Arshad Hussain \_\_\_\_\_ Hyderabad, India Chun-Hsu Wan \_\_\_\_\_ Henan, China  
Venkatram Reddy Kuturu \_\_\_\_\_ Hyderabad, India Brian David Weldon \_\_\_\_\_ Corvallis, OR  
Shineng Li \_\_\_\_\_ Chang Ning, China Timothy Shane Whisonant \_\_\_\_\_ Rock Hill, SC**Electrical Engineering**Mohammed Mubeen Atha \_\_\_\_\_ Madras, India Hyung Joon Kim \_\_\_\_\_ Seoul, Korea  
Rayadurgam Tatachari Balaji \_\_\_\_\_ Chennai, India Kalyan Chakravarthy Kolluru \_\_\_\_\_ Clemson, SC  
Sriram Balasubrahmanyam \_\_\_\_\_ Clemson, SC Rahul Pangam \_\_\_\_\_ Mumbai, India  
Michael Talmadge Colwell \_\_\_\_\_ Orangeburg, SC Sudhendra Vasudeva Parampalli \_\_\_\_\_ Anantapur, India  
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Nikhil Subhash Bhangaonkar \_\_\_\_\_ Pune, India Sudhir Narayana \_\_\_\_\_ Coimbatore, India  
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Dineshkumar Dhandapani \_\_\_\_\_ Clemson, SC Mandar Ramesh Pathak \_\_\_\_\_ Clemson, SC  
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Jonathan Randolph Alden Maier \_\_\_\_\_ Chapel Hill, NC William David York \_\_\_\_\_ Tallahassee, FL  
Sathish Kumar Manickam \_\_\_\_\_ Salem, India Yan Zou \_\_\_\_\_ Sichuan, China**Physics**Michael Alexander Kaeser \_\_\_\_\_ Jefferson, NC Ali Ozer \_\_\_\_\_ Istanbul, Turkey  
Nathan Dane Lowhorn \_\_\_\_\_ Murfreesboro, TN Sathappan Ramesh \_\_\_\_\_ Madras, India**Textiles, Fiber and Polymer Science**Kai Liu \_\_\_\_\_ Beijing, China Shaukat Ali Shiwani \_\_\_\_\_ Hyderabad, Pakistan  
Seemanta Mitra \_\_\_\_\_ Calcutta, India

# COLLEGE OF HEALTH, EDUCATION, AND HUMAN DEVELOPMENT

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Brian Christopher Mance	Clayton, GA		

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(Master of Health Administration is jointly administered by Clemson University and the Medical University of South Carolina.)

Cheryl Fairley	Spartanburg, SC	Kelly E. Roper	Spartanburg, SC
Scott Peter Lethi	Greer, SC		

## MASTER OF HUMAN RESOURCE DEVELOPMENT

Kelly King Bledsoe	Wilson, NC	Eric Jules Keese	Pendleton, SC
Joseph Edgar Crosland, Jr.	Athens, GA	Sally Johnson Larson	Aiken, SC
James Harold Crout, Jr.	Greenville, SC	Earl Edward Littlefield, Jr.	Seneca, SC
Ben Perry Dillard III	Greer, SC	Candee Fleming McCurry	Hartwell, GA
Robert Franklin Dupree, Jr.	Clemson, SC	Anita Ann Nelson	Charleston, SC
Kimberly Jan Finley	El Paso, TX	Vicki Hall Peek	Taylors, SC
Amy Elizabeth Hart	Thomasville, NC	Antoinette Poodt	Atlanta, GA
Kimsey Lynn Yearout Hodge	Clemson, SC	Jason Jay Price	Greenville, SC
James A. Jelinek	Portage, IN	Susan Martin Stade	Anderson, SC
Kim Orr Kauer	Laurens, SC	Debra Throckmorton Tutterow	Spartanburg, SC

## MASTER OF INDUSTRIAL EDUCATION

Richard DWayne Butler	Seneca, SC	Bertie D. Hair	Hilda, SC
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## MASTER OF PARKS, RECREATION, AND TOURISM MANAGEMENT

Joan Deborah Pettigrew Seneca, SC

## MASTER OF EDUCATION

Dale Alan Johns	Easley, SC	Alton Patrick Smith	Elberton, GA
Kristina Marie Roof	Lexington, SC		

### Counseling and Guidance Services

Audrey Elaine Andrews	Athens, GA	Patricia Diane Keelean	Alpharetta, GA
Kimberly Fox Bearre	Trotman, NC	Diane Marie Keil	Evansville, IN
Terry Ann Biering	Toccoa, GA	Louise Kelley Kraus	Greenville, SC
Croslene Broadwater-Johnson	Anderson, SC	Jennifer Ann Lawson	Brooksville, FL
Kiley Ann Broz	Miami, FL	David John Lemmerman	Brooksville, FL
Tunya Thresa Brown	Blackville, SC	Stephanie Dianne Mills	Greenwood, SC
Hsiang-ming Polly Che	Taipei, Taiwan	Rhonda Lydia Moore	Central, SC
Colleen Cooksey-Nelson	Hobe Sound, FL	Kathy B. Murphy	Duncan, SC
Larene Nott Cruickshank	Mauldin, SC	Deborah Lee Richmond	Floral City, FL
Pamela Lee Davis	Florence, SC	Brenda Blasingame Richter	Beverly Hills, FL
Sean Andrews Dolan	Suffern, NY	James Todd Richter	Beverly Hills, FL
Robert Lee Downs	Mauldin, SC	Lindsey Erin Robertson	Ruffin, SC
Larry Eugene English	Brooklyn, NY	Suzanne McKay Schwerin	Columbia, SC
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Kim Marie Harris	West Valley, NY	David Snow	Clewiston, FL
Laura Louise Hervey	Mauldin, SC	Brian Christopher Stepp	Davenport, IA
Penny Allen Hobson	Demorest, GA	Kristine Marie Thurston	Fairhaven, MA
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Heather Louise Kahl	Huntley, IL		

### Elementary Education

Michelle McDowell Dixon	West Union, SC	Deborah Thornton Gardner	Anderson, SC
Kelli Lynn Erickson	Central, SC	Terrell Stephenson Wilson	Anderson, SC

### Reading

Shelley Bailey Brown	Greer, SC	Betty Jean Keeler	Pendleton, SC
Teresa Kay Carrillo	Goshen, IN	Angela Tidwell Lee	Walhalla, SC
Elrica LaTonya Carter	Orangeburg, SC	Jennifer Watson Patterson	Pickens, SC
Jennifer Dawne Copeland	Sunset, SC	Susan Bradley Smith	Easley, SC
Whitney Few Cox	Easley, SC	Julie Elaine Swicord	Pinopolis, SC
Ashley Fisher Hyder	Pickens, SC	Sandy Fricks Tolbert	Easley, SC

### Secondary Education

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Carla Arthur Keasler	Altavista, VA		

### Special Education

Tina Davidson	Easley, SC	Elizabeth Cole Maxwell	Jonesboro, GA
Robin Edwards Fish	Easley, SC	Melinda Kate Van Mol	Athens, GA
Dorothy Lynn Foxx	Easley, SC	Mark Anthony Webb	Pendleton, SC

## MASTER OF SCIENCE

### Nursing

Susan Veronee Breazeale	Westminster, SC	DianaLee Waterman	Auburn, ME
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### Parks, Recreation, and Tourism Management

Megan Christine Janke Greenville, SC

# CANDIDATES FOR THE BACHELOR'S DEGREE

## COLLEGE OF AGRICULTURE, FORESTRY, AND LIFE SCIENCES

WILLIAM BUSSE WEHRENBERG, Dean

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### BACHELOR OF SCIENCE

#### Agricultural and Applied Economics

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***Kristen Michelle Hawthorne _____	Ellicott City, MD	David Harold Walker _____	West Union, SC
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#### Crop and Soil Environmental Science

Staci Nicole Burnett _____	Woodruff, SC
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#### Entomology

James Randall Adkins _____	Clemson, SC
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#### Food Science

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Jennifer Elizabeth Manley _____	Ormond Beach, FL	*Karen Diane Montanucci _____	Seneca, SC
Jamie Ann McCarty _____	Louisville, KY	Bradley David Osterhout _____	Pittsburgh, PA

#### Forest Resource Management

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W. Andrew Crocker _____	Pawley's Island, SC	Paul David Jones, Jr. _____	Hampton, GA

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Ashley Alexandra Leete	Pawley's Island, SC	Russell Bruce Reynolds	Sumter, SC
Christopher Mark Livingston	North Augusta, SC	James L. Roberts, Jr.	Crystal River, FL
Eric Mace Minshaw	Dillon, SC	Kyle Lee Sheppard	North Augusta, SC
Wade Pearce O'Kelley	Beaufort, SC	Philip Hallman Sligh	Prosperity, SC

**Horticulture**

Derrell Everett Avant	Pawley's Island, SC	*Jason Manning Mahaffey	Greer, SC
Billy Joe Bradshaw, Jr.	Pine Mountain, GA	Jay Daniel Moore	Spartanburg, SC
Jason Geary Brown	Rock Hill, SC	Leigh Helen Murray	Summerville, SC
Scott Francis Corley	Irmo, SC	Patrick Byars Pruitt	Honea Path, SC
Campbell Johnson Cox	Chantilly, VA	Erik Arthur Rodgers	Newtown, PA
+*Jennifer Ashley Dukes	Reevesville, SC	*Matthew Blair Schrader	Lantana, FL
Matthew Forrest Gregg	Salisbury, MD	Matt David Swartzmiller	Greenville, SC
**William Francis Gurney III	West Palm Beach, FL	Suzanne Grace Walter	Roseland, NJ
Anna Eleanor Hopkins	Beaufort, SC	Christopher Lee Waters	Conestee, SC
Brad Robert Jackson	Cumberland, RI	Crystal Dawn White	Seneca, SC
Charles Kevin Lewis	Anderson, SC	***Sarah Ann White	Pendleton, SC
Carol Anne Lindsey	Dillon, SC		

**Medical Technology**

Kelly Annette Guinn	Edgemore, SC	Jessica Leigh Robbs	Gaffney, SC
Farah Leigh Laughridge	Anderson, SC		

**Microbiology**

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Christopher Lawrence Langdale	Lexington, SC		

**Packaging Science**

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**Van Charles Garner	Cedartown, GA	Shaun Carlin Smith	Hartsville, SC
Carlton Allard Gibbs	Pamplico, SC	Patrick Wayne Thompson	North Augusta, SC
Landon Kyle Hammett	Boiling Springs, SC		

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*Kelly Loraine Berry	Orangeburg, SC	***Cara April Hutmacher	Sullivan's Island, SC
*Andrea Brooke Casto	Lilburn, GA	Erica Summer Wylie	Florence, SC
Joseph Edward Fuzia	Simpsonville, SC		

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JANICE CERVELLI SCHACH, Dean

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Keren M. Eliyahu	Jerusalem, Israel	*Jennifer Ellen New	Lexington, SC
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*Glen Russell Gardner	Holly Hill, SC	Sean Patrick Paone	Fairfax Station, VA
Allison Brooke Marshall	Cocoa, FL	*Barbara Ann Willis	Belmont, NC

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**English**

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Amelia Ruth Borders	Anderson, SC	Callie DeAnna Norris	Anderson, SC
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Ruby Evans Coleman	Pendleton, SC		

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Ferrante Sekou Johnson	Honea Path, SC		

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Emily Caroline Brown	Atlanta, GA	Monica Newton	Clemson, SC
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Matthew Phillip Johnson	Atlanta, GA	Darien Alan Swenson	Seneca, SC
*Carol Lee Krohn	Pendleton, SC	*Tuhina Verma	Denver, CO

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Tina Jennifer Block \_\_\_\_\_ Simpsonville, SC

**Philosophy**

Christopher William Lempesis, Jr. \_\_\_\_\_ Columbia, SC

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*Dayna Elizabeth Baxley	Mt Pleasant, SC	William Ward Merritt	Easley, SC
Johannah Leigh Cornwell	Clemson, SC	Douglas Palmer Roper III	Vidalia, GA
Robert John Dombrosky	Glen Rock, NJ	Amy Marie Rysavy	Sharon, SC
Crystal L. Drennon	Anderson, SC	*Shannon Louise Smith	Jacksonville, FL
Chandria Leona Eargle	Chapin, SC	Cynthia Marie Stern	Cincinnati, OH
Michele Marie Emlet	Simsbury, CT	Miles Channing Thomas	Greer, SC
Oleta Michele Gause	Marion, SC	Bryan Keith Williams	Columbia, SC
Steve Burnard Gerry	Moncks Corner, SC	Gary Chad Williams	Inman, SC
Brandi Autumn Howard	Greenville, SC		

**DOUBLE MAJOR****Economics and Speech and Communication Studies**

Michael Lonnie Fowler \_\_\_\_\_ Loris, SC

**History and Secondary Education**

Douglas Hobart Paul \_\_\_\_\_ Seneca, SC

**History and Spanish**

Ernest Damon McKenzie \_\_\_\_\_ Lake City, SC

**Philosophy and Spanish**

\*Jeffrey Brian Murto \_\_\_\_\_ Charleston, SC

**Political Science and Speech and Communication Studies**

Amy Lynn Bruce \_\_\_\_\_ Powdersville, SC

**Psychology and Speech and Communication Studies**

Amanda Beth Severance \_\_\_\_\_ Florence, SC

**BACHELOR OF SCIENCE****Construction Science and Management**

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William Patrick Everett	Pickens, SC	Jason Chad Pruitt	Walhalla, SC
Paul Raymond Faistl	Irmo, SC	Andy Eugene Roberts	Spartanburg, SC
Ryan Christopher Fiocchi	Vineland, NJ	Matthew Ryan Rutigliano	Pelham Manor, NY
Patrick Justin Grimmick	Ballston Lake, NY	Charles David Skipper	Conway, SC
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Matthew Patrick Kenny	Hanover, MA	Bryan Kirk Taylor	Columbia, SC
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Joseph Lamar Mitchell, Jr.	Conyers, GA	Eric Michael Wasniewski	New Egypt, NJ
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Benjamin Thomas Owens	Spartanburg, SC	Benjamin Steven Wilson	Leesville, SC
Anthony Ralph Elliott Parker	Columbia, SC	Nathan Cay Youngman	McClellanville, SC
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Geoffrey Livingston Bagwell	Columbia, SC
Elizabeth Lee Baker	Clemson, SC
Matthew Clifton Cannady	Moncks Corner, SC
Stephen Matthew Corson	Cincinnati, OH
Abraham Clemson Coyle	Pickens, SC
Sonya Demetria Davis	Spartanburg, SC
Kimberly Hope Eargle	Pomaria, SC
**Elizabeth Belk Edwards	Spartanburg, SC
*Brent Wayne Fleming	Spartanburg, SC
Jason Curtis Fultz	Greenwood, SC
Howard David Hall	Greenville, SC
Kevin Michael Hyslop	Spartanburg, SC
Harald Karl Poech	Guatemala City, Guatemala

## COLLEGE OF BUSINESS AND PUBLIC AFFAIRS

JERRY EUGENE TRAPNELL, Dean

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*Paul Wesley Fountain	North Augusta, SC
Neal Douglas George	Indiana, PA
**Brackston Jeffrey Hahn	Summerville, SC
Scott Thomas McMahon	Bradenton, FL
James Matthew Newton	Mt Pleasant, SC
James Brett Ringer	Rock Hill, SC
Walter Ryan Saunders	Pepper Pike, OH
+***Haro Avo Setian	Lowell, MA

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Jessica Elizabeth Corkin	Sudbury, MA
Joseph Paul D'Alonzo II	Media, PA
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George Sanders Ramsey, Jr.	York, SC
Steven Matthew Sheffield	Clemson, SC
Stephen David Steese	Florence, SC
Olivia Maree Vassey	Seneca, SC
*Bryan Moy Knight	Lilburn, GA

Psychology	
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**April Baker Fairfax	Rock Hill, SC
Kristin Ann Fay	Paramus, NJ
Davelyn Athena Hill	Mauldin, SC
***Candace Leigh Tower Killian	Spartanburg, SC
Caren Elizabeth Plyler	Pageland, SC
*Elizabeth Anne Ratterree	Spartanburg, SC
Bradford Paul Turner	Spartanburg, SC
***Debra Ann Wallace	Wheaton, IL
Jennifer Nicole Westbrooks	Sandy Springs, SC

Sociology	
Kimberly MaeLouise Aiken	Anderson, SC
Natalie Lynn Bergstrom	Gambrells, MD
James Allen Collett	Anderson, SC
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Christopher Davon Glover	Calhoun Falls, SC
Justin Stefan Moriconi	Philadelphia, PA
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David James Roncinske	Ventnor City, NJ
Henry Ronald Stanley II	Columbia, SC

### DOUBLE MAJOR

Economics and Political Science	
Stephan Peter Britanak	Bayonne, NJ

English and Political Science	
Emily Woodward Rosen	San Diego, CA

English and Psychology	
Milica Micovic	Belgrade, Yugoslavia

History and Political Science	
*Brian Joseph Roach	Anderson, SC

Political Science and Spanish	
Charity Ann Rico	Virginia Beach, VA

### BACHELOR OF SCIENCE

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Thomas Glavan Brown, Jr.	Toccoa, GA
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Courtney Ketice Clark	Greenville, SC
April Lynn Dean	Ware Shoals, SC
+***Roland Brent Drake	Anderson, SC
Christopher O'neal Farris	York, SC
Carrie Leigh Flowers	Hartsville, SC
Kathryn Lanell Gibson	Adair, IL
*Matthew Fulton Lawson	Orangegburg, SC
+**Joanna Elizabeth Lewis	Greenville, SC
Laura Susan Little	Laurens, SC
Anna Mishler McDow	Rock Hill, SC
Jenny Christine Ton	Memphis, TN
*Aubrey Lynne Walker	Travelers Rest, SC
James Daniel Woznick	Greenville, SC

Economics	
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Denise Cascone	Wayne, NJ
***Christopher Glenn Darley	Lilburn, GA
+*Kelly Ann Norman	Virginia Beach, VA
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**Steven Dale Cotter	Springfield, MO	Wesley Derek Oglesby	Greenville, SC
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Allison Hope Ferguson	Rock Hill, SC	Charles Clyde Smith	Aiken, SC
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Melissa Dianne Franklin	Graniteville, SC	Archangela Carmen Teasley	Anderson, SC
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Mark Richard Harrison	Anderson, SC	David Paul Philpott	Greer, SC
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Michael Andrew Barker	Simpsonville, SC	Mark Patrick Meiser	Clemson, SC
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Nickolas Ravorro Bellinger	Greenville, SC	Emily Carol Murrah	Ware Shoals, SC
John Patrick Bengier	Apopka, FL	Jonathan Roger Noel	Greenville, SC
Brandon Jay Bland	Summerville, SC	Jenkins Randal Roberts	Mt Pleasant, SC
+**Hang Kim Dao	Charleston, SC	Michael Brian Schwartz	Jacksonville, FL
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Jay Whitney Duval	Fountain Inn, SC	Roy William Smith, Jr.	Taylors, SC
***Carolyn Rae Emmons	Anderson, SC	James Hamilton Snoddy	Greenwood, SC
Boyce Tyndall Estes III	Columbia, SC	Angela Lynne Summers	Mt Pleasant, SC
Jason Scott Graham	New Hartford, NY	Brandon Aubrey Swofford	Greenwood, SC
Rhett Price Grimes	Tulsa, OK	Joshua Preston Thompson	Columbia, SC
Tia Helene Heyward	Estill, SC	Garren Roger Titus II	Anderson, SC
Benjamin Rountree Hiott	Bamberg, SC	Parker Sinclair Warren	Walhalla, SC
Tara Michelle Holloway	Seneca, SC	Britton Michelle Whatley	Anderson, SC
Jason Thomas Kirkley	Gresham, SC	Hollie Marie Wise	Fort Mill, SC

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Michele Lorraine Braune	Midlothian, VA	Floyd Simpson Mills III	Prosperity, SC
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Kevin Lee Duncan	Anderson, SC	Kelley Elizabeth Poole	Greenville, SC
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Kathryn Lynn Havard	Fairfax, VA	Wendy Mariluann Schindler	Hiroshima, Japan
April Marie Hollifield	Gaffney, SC	Matthew David Schumann	Knoxville, TN
Kevin Kirk Holmes	Chelsea, MI	Michael Scott Seth	Sumter, SC
Michael Jason Holoman	Camden, SC	A. Darby Smith, Jr.	Greenville, SC
Daniel Martin Hunter	Hartsville, SC	Donavon Maurice Springs	Camden, SC
Hila Marie Hunter	Aiken, SC	Jonathan Daniel Stegall	Alpharetta, GA
Randy Michael Hurst	Swedesboro, NJ	Caroline Sarah Suggs	Columbia, SC
Kristopher David Johnson	Fayetteville, NC	Angela Maria Tasior	Edmeston, NY
Seth Nuhn Jordan	Portsmouth, RI	Adam Joseph Travers	Moore, SC
Matthew Kane Knight	Alpharetta, GA	Daniel James Trier	Aiken, SC
David Jason Kreal	Nashville, TN	Susan Joyce Turner	Toccoa, GA
April Kimberly Landringin	Goose Creek, SC	Gregory Lee Vissage	Mountain Rest, SC
*Leigh Ann Landreth	Marion, NC	*Kimberly Danielle Wallace	Newton, NC
Christina Kaye Lanier	Hanahan, SC	Amy Merck Wurst	Anderson, SC
Samuel Ka'Mal Lawyer	Moncks Corner, SC	Carrie Elizabeth Yeager	Haddonfield, NJ
Todd James Leventis	Columbia, SC		

**Psychology**

Mary Caroline Collins	Lancaster, SC	Thomas Waydell Meetze	Simpsonville, SC
*John Graham Elmore	Fort Motte, SC	Monica Lynn Perez	St Petersburg, FL
*Sara Lin Evison	Fort Wayne, IN	**Jamie Allison Purdy	Anderson, SC
Mandy Marie Floyd	Darlington, SC	**Lisa Ann Raffa	Hammonton, NJ
Jason Matthew Kennedy	Simsbury, CT	Stacy Ronette Sparks	Naples, FL
Harriett Christian Knight	Greenville, SC	*Adrian Culbertson Summers	Pendleton, SC
+*Nicholas Craig Koop	Port Richey, FL		

**Sociology**

Buffie Ellene Bell	Greenville, SC	Alasia Lorane Rice	Laurens, SC
Tameka Nicole Boyce	Piedmont, SC	Lindsey Marie Schoenfeld	Port Clinton, OH
Katherine Holland Carroll	Gaffney, SC	Charles David Sibley	Chapin, SC
Sylvia Rebecca Moore	Walhalla, SC	Jean Marie Trufan	Pendleton, SC

**COLLEGE OF ENGINEERING AND SCIENCE**

THOMAS MICHAEL KEINATH, Dean

**BACHELOR OF ARTS****Chemistry**

Michael Andrew Watson	Bishopville, SC	David Ronald Whitley, Jr.	Spartanburg, SC
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**Geology**

Laura Elizabeth Jacobs	Gastonia, NC	Michelle Dawn McAleese	Riverview, New Brunswick
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**Mathematical Sciences**

James Horton Wilkins	Greenville, SC
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**BACHELOR OF SCIENCE****Biosystems Engineering**

Donald Bradley Campbell	North Augusta, SC	Jean-Paul Gary Michaud	Myrtle Beach, SC
Douglas Wyatt Lawson	Abbeville, SC	Malia Beth Miller	Woodbridge, VA

<b>Ceramic Engineering</b>			
Janna Kathryn Graham	Lake City, SC	Brad Raymond Kinard	Prosperity, SC
*Kara Nichole Green	Florence, SC	Martin Kunz	Selb, Germany
Shaunna Michele Johnson	Chesapeake, VA		
<b>Chemical Engineering</b>			
Anne Ransome Dixon	Summerville, SC	Michael Justin Munn	Manning, SC
Ryan Douglas Ervin	Columbia, SC	Scott Alan Rogers	Hudson, NH
Frederick Lamar James	St Stephen, SC	Stacey Leanne Waldrop	Easley, SC
Jonathan McMorris	Newberry, SC		
<b>Chemistry</b>			
Ethan Elliott Ballard	Easley, SC	April Ann Hall	Easley, SC
Lakesha Mashawn Butler	North Augusta, SC	***Joshua Perry Kearns	Huntington, WV
Juanita Edwards	Georgetown, SC	Hassan Mustafa Pressley	Nesmith, SC
<b>Civil Engineering</b>			
Matthew Clayton Allen	Greenville, SC	Charles Rogers Hook	Mt Pleasant, SC
Steven Ryan Boatwright	Hartsville, SC	Zachary Edward Howze	York, SC
David Ryan Buist	Stuart, FL	Michael Wayne Kirby	Inman, SC
Brett Morgan Calcutt	Pamplico, SC	Kevin Russell Laird	Seneca, SC
*David Timothy Cavin	Irmo, SC	James Thomas Langfitt	Myrtle Beach, SC
Daniel Earle Cheek	Anderson, SC	Matthew Rodman Manning	Cooper City, FL
Kenneth Matthew Cheek	Anderson, SC	Keilah Faye Metcalf	Wellford, SC
Billy Yeargin Cothran III	Inman, SC	*Leigh Taylor Mian	Trumbull, CT
Adam Michael Davison	Waterford, MI	Frank Gregory Miller	Pauline, SC
Ruth Lasier Edmondson	Venice, FL	Paul Eric Miller	Lexington, SC
*Michael David Elmore	Greenville, SC	Teresa L. Ramey	Charleston, SC
Robert Wade Finklea	Pamplico, SC	Kenneth P. Schroeder	Wayne, NJ
**Melanie Meredith Frank	Spartanburg, SC	Kevin Michael Scurry	Florence, SC
William Alexander Fulmer	Sumter, SC	Josh Allen Storey	North Augusta, SC
Jose Daniel Garcia Sosa	San Juan, Puerto Rico	Walter David Taylor	Kingtree, SC
Thomas Davidson Graham	Simpsonville, SC	Andrew Edward van Scy	Charlotte, NC
**David Philip Hart	Travelers Rest, SC	Alana Jo Walden	Cartersville, GA
*Carolyn Elizabeth Hartzog	Orangeburg, SC	*Tatem Lee Weber	Berlin, CT
Christopher Ryan Hayes	North Myrtle Beach, SC	Brett Alan Wiliford	Spartanburg, SC
Jeffrey Clark Helvey	Hollywood, WV		
<b>Computer Engineering</b>			
Mandel Tremayne Boyd	Bishopville, SC	*Benjamin James Judy	Clover, SC
Dino Nick Demos	Greenville, SC	James Samuel Linder, Jr.	Summerville, SC
Thomas Robert DiAntonio	Spartanburg, SC	***Katrina Ruth Logue	Aynor, SC
Louis Shane Eckley	Charlotte, NC	*Daniel Furman Ott	Laurens, SC
Matthew Daniel Fairfax	McConnells, SC	John Parmly Von Ins	Rock Hill, SC
Ellen Marjorie Hepfer	Sumter, SC		
<b>Computer Information Systems</b>			
Melanie Anne Childress	New Orleans, LA	Michael Russell Nevitt	Lexington, SC
*Robert Ronxley Christie IV	Columbia, SC	***Keyur Santosh Patel	Columbia, SC
Charles Marion Culbertson III	Gray Court, SC	Craig Anthony Savage	Pearisburg, VA
Matthew Stephen Gordon	Crystal Lake, IL	Tekeya Rennell Thompson	North Augusta, SC
Anthony James Hooper	Piedmont, SC	John Adam Wickliffe	Anderson, SC
<b>Computer Science</b>			
+**David Morrison Borland	Marion, NC	Jonathan Michael Johnson	Columbia, SC
+*Paul Wesley Brannan	Mt Pleasant, SC	Dev Kishore Kewalramani	Mauldin, SC
Andrietta Rolanda Clyburn	Sumter, SC	Michael Leo King	Liberty, SC
Zachary Zane Cole	Kingsport, TN	Kevin James Martin	Leesville, SC
Shawn Christopher Dubis	Summerville, SC	+*Shane Anthony McDaniel	Beaufort, SC
Geoffrey Patrick Evans	Atlanta, GA	Jason Derrick Vinson	Rock Hill, SC
Timothy Matthew Fawcett	Summerville, SC	David Ronald Whitley, Jr.	Spartanburg, SC
Michael Jay Herring	Lexington, SC	Jerrod Devon Williams	St Stephen, SC
Peter Wei-Ming Ho	Marion, SC	Harry Lewis Wilson	Lake City, SC
***Stephen Paul Horgen	Denver, PA	Erik Olsen Wist	Fort Mill, SC
<b>Electrical Engineering</b>			
Stephen Ray Abercrombie	Fountain Inn, SC	Thomas Lin Kennedy, Jr.	Columbia, SC
Michael John Antola	Selden, NY	*Darla Renee King	Charleston, SC
*Chandra Christine Bolduc	Vero Beach, FL	Ebony Janette Mouzon	Hemingway, SC
Steven Michael Bryant	Williamston, SC	Daniel Dylan Parker	Charleston, SC
+**Justin Porter Coon	Florence, SC	Michael Lance Ping	Rock Hill, SC
**Spencer Kenneth Farland	Clinton, MA	+*Matthew Gary Poeta	Greer, SC
Sammie Lee Gary IV	Aiken, SC	Bryan Christian Ripple	Myrtle Beach, SC
***Thomas Michael Haire	Rutherfordton, NC	Michael Dana Rock	Hanahan, SC
Michael Andrew Halavonich	Charleston, SC	*Carey Hill Salisbury	Moncks Corner, SC
***Anna Kathleen Hart	Minneapolis, MN	Darien Terrell Salley	Orangeburg, SC
Bradley Jonathan Heath	Florence, SC	+***James Scott Schaubberger	Russellville, KY
***Robert Lloyd Helms	Clemson, SC	Deborah Alexander Schneider	Piedmont, SC
Katrina Richelle Hutchinson	Summerville, SC	Jeffrey Jason Stone	Greenville, SC

**Electrical Engineering** (continued)  
 Ruben Magtaas Suzara \_\_\_\_\_ Goose Creek, SC Charleston, SC  
 \*\*\*Jason Gerard Verrett \_\_\_\_\_ Anderson, SC Martinsburg, WV

**Geology**  
 Marlana Dawn Reimer \_\_\_\_\_ Simpsonville, SC Sayre, PA  
 Laura Marie Rogers \_\_\_\_\_ Inman, SC

**Industrial Engineering**  
 Samuel Petty Banks III \_\_\_\_\_ Pickens, SC Quito, Ecuador  
 Matthew Gavin Campbell \_\_\_\_\_ Lakeland, FL Abbeville, SC  
 Bryan Anthony Curtis \_\_\_\_\_ Fairfax, VA Greenville, SC  
 \*Jason Mayo Edwards \_\_\_\_\_ Chattanooga, TN Edward Michael Pacelli Hawthorne, NJ  
 Corey Fairley \_\_\_\_\_ West Columbia, SC

**Mathematical Sciences**  
 Sharhonda Lattree Elmore \_\_\_\_\_ Holly Hill, SC West Columbia, SC  
 Sean Deon Ervin \_\_\_\_\_ Rock Hill, SC

**Mechanical Engineering**  
 +\*\*Miranda McFarren Baladi \_\_\_\_\_ North Augusta, SC Spartanburg, SC  
 +\*Kenneth Damon Black \_\_\_\_\_ Greenville, SC Sioux Falls, SD  
 Chadwick Ryan Blackwell \_\_\_\_\_ Fort Mill, SC Branchville, SC  
 Kevin Michael Bridges \_\_\_\_\_ Longmeadow, MA Greenwood, SC  
 Wallace Edward Brown, Jr. \_\_\_\_\_ Vanville, SC York, SC  
 Benjamin McRoy Canterbury \_\_\_\_\_ Gaithersburg, MD Blacksburg, SC  
 \*Jason Scott Craft \_\_\_\_\_ Seneca, SC Midlothian, VA  
 Matthew Sheldon Crum \_\_\_\_\_ Chapin, SC Elgin, IL  
 +\*William Bryan Gamble \_\_\_\_\_ Charleston, SC Greenville, SC  
 Edward Sanders Gatlins \_\_\_\_\_ Greer, SC Easley, SC  
 Albert Sidney Smoke Gressette \_\_\_\_\_ St Matthews, SC Beaufort, SC  
 Nathan Krouse Grizzard \_\_\_\_\_ Spartanburg, SC Manning, SC  
 Ryan Chadwick Harrison \_\_\_\_\_ Donaldsonville, GA New Orleans, LA  
 Rachel Luvena Hayes \_\_\_\_\_ Manning, SC Greenville, SC  
 Samuel Hunter Howard III \_\_\_\_\_ Columbia, SC Amory, MS  
 Douglas Alan Johnsmans \_\_\_\_\_ Easley, SC Seth Henderson Whitehead \_\_\_\_\_ Cumberland, MD  
 Matthew Philip Jones \_\_\_\_\_ Avon, CT Christopher Robin Wilson \_\_\_\_\_ Easley, SC  
 Wade Jackson Kennedy \_\_\_\_\_ Turbeville, SC Dayton, TN Rock Hill, SC  
 Scott Matthew Kultau \_\_\_\_\_ Camden, SC William Crisp Wilson, Jr. \_\_\_\_\_ Mt Pleasant, SC  
 Ronald Chad Lane \_\_\_\_\_ Rosman, NC Joseph Theodore Yaksich \_\_\_\_\_ Clemson, SC  
 Nathaniel Bryan McCall \_\_\_\_\_ Columbia, SC

**Physics**  
 Joel Edward Denny \_\_\_\_\_ Sumter, SC \*Curt Lewis Turner \_\_\_\_\_ Simpsonville, SC

**Textile Management**  
 Hasan Mahmood \_\_\_\_\_ Faisalabad, Pakistan Anderson, SC  
 Margaret Amelia Pettit \_\_\_\_\_ Lancaster, SC Walhalla, SC

## COLLEGE OF HEALTH, EDUCATION, AND HUMAN DEVELOPMENT

HAROLD ERNEST CHEATHAM, DEAN

### BACHELOR OF ARTS

**Early Childhood Education**  
 Jennifer Leigh Alverson \_\_\_\_\_ Pendleton, SC Greenville, SC  
 Deanna Nicole Bouyer \_\_\_\_\_ Lansing, MI Holmes Beach, FL  
 \*\*Laura Britton Cline \_\_\_\_\_ Charleston, SC Pelzer, SC  
 Christina Marie Collins \_\_\_\_\_ Simpsonville, SC Columbia, SC  
 Courtney Lin Culbertson \_\_\_\_\_ Ware Shoals, SC Pickens, SC  
 \*Amy Kathryn Floyd \_\_\_\_\_ Woodruff, SC Flemington, NJ  
 Katherine Diane Foy \_\_\_\_\_ Pebble Beach, CA  
 Kristy Lynn Griffin \_\_\_\_\_ Easley, SC Easley, SC

**Elementary Education**  
 Kathy Lynn Banks \_\_\_\_\_ Central, SC Summerville, SC  
 \*Trudy Joy Blank \_\_\_\_\_ Easley, SC Glenmoore, PA  
 Emily Reed Bradley \_\_\_\_\_ Chesterfield, MO Johnston, SC  
 \*\*Jill Maranda Bradley \_\_\_\_\_ Greer, SC Sullivan's Island, SC  
 Misty Gayle Briggs \_\_\_\_\_ Charleston, SC Fort Mill, SC  
 +\*\*Jennifer Kaye Broyles \_\_\_\_\_ Anderson, SC Columbia, SC  
 Mary Eleanor Campbell \_\_\_\_\_ Florence, SC Easley, SC  
 Matthew David Carney \_\_\_\_\_ Medford, NJ Easley, SC  
 Jennifer Lauren Covington \_\_\_\_\_ Spartanburg, SC Warrnambool, Australia  
 Cheryl Stubblefield Crowe \_\_\_\_\_ Six Mile, SC Aiken, SC

**Elementary Education** (continued)  
 Ashley Athenea Morgan \_\_\_\_\_ Six Mile, SC Newport News, VA  
 \*\*Susan Elizabeth Morgan \_\_\_\_\_ Clemson, SC Greenville, SC  
 Caroline Ann O'Brien \_\_\_\_\_ Chagrin Falls, OH Newton, CT  
 Kerri Joye Parrish \_\_\_\_\_ Lexington, SC Sister Bay, WI  
 Michael Evan Powell \_\_\_\_\_ Johnsonville, SC Simpsonville, SC  
 Jeannette Marie Rohe \_\_\_\_\_ Suffern, NY Blacksburg, SC  
 Amanda Lee Rose \_\_\_\_\_ Summerville, SC Gaffney, SC  
 Summer Michelle Saville \_\_\_\_\_ Anderson, SC Gaithersburg, MD

Secondary Education			
Michael Keith Belk	Lancaster, SC	Mary Louise Price	Anderson, SC
*Robert N. Belle, Jr.	Central, SC	Shana DeLane Seawright	Easley, SC
Jason Bavord Franklin	Laurens, SC	Michael David Straup	Anderson, SC
Serena Shea Lollis	Belton, SC	William Christopher Strickland	Abbeville, SC
Laurel Elizabeth Owens	Simpsonville, SC	Jeffrey Daniel Wyatt	Moore, SC

### BACHELOR OF SCIENCE

Health Science			
Jeremy Harrison Ford	Long Island, NY	Jennifer Ann Powell	Chesnee, SC
***Dori Leigh Glenn	Spartanburg, SC	James Michael Somaini	Moore, SC
Donald Chad Hammond	Charleston, SC	Amanda Lee Specht	Augusta, GA
Kelly Kay Hayes	Greenville, SC	Alyssa Anna Szabo	Manalapan, NJ
Katia Nicole Heard	Anderson, SC	Steven Keith Vander Ploeg	River Edge, NJ
Azie Arnice Hudson	Hemingway, SC	Meghan Elizabeth Walsh	Paoli, PA
Jill Nicole Martin	Lilburn, GA	Evelyn Elizabeth Wimberly	Branchville, SC

Industrial Education			
David Willard Bouknight III	Batesburg, SC	Rod Farlando Gardner	Jacksonville, FL
Gary Leon Childress	Nashville, TN	Matthew Ross Johnson	Simpsonville, SC

Mathematics Teaching			
Catherine Elizabeth Martin	Greenville, SC	+*Kimberly Ann Moore	Simpsonville, SC

Nursing			
Brian Patrick Alexander	Columbia, SC	***Holly Nicole Hawse Jenkins	Greenville, SC
**Sara Alexious Barnette	Vienna, VA	**Sandra Russ Jones	Simpsonville, SC
Caroline Acosta Bogtong	Ladson, SC	Krystal L. Kennedy-Fleming	Anderson, SC
**Bobbie Brown Buchan	Hamilton, AL	Sarah Shaw Kennerly	Charleston, SC
****Michelle Miller Bushey	Simpsonville, SC	Connie Price Leslie	Atlanta, GA
Elizabeth Russell Cary	Paducah, KY	Mary Alice McCullar	Atlanta, GA
Amy Catherine Catoe	Lexington, SC	Randoshia Maria Miller	John's Island, SC
Lisa Dawn Clyburn	Camden, SC	*Dana Catherine Morrison	Camden, SC
Allison DeAnne Cook	Tega Cay, SC	**Jennifer Laurel Ohly	Greenville, SC
Rusty Ryan Creighton	Irmo, SC	Heidi Marie Parker	Greenville, SC
Rebecca Austin Crosby	Greenville, SC	Melissa Lee Paschal	Pawley's Island, SC
Kellie Jean Davis	Easley, SC	Alyssa Chapman Patterson	Beaufort, SC
***Lisa Bennett Duggan	Greenville, SC	****Wendy Kay Phillips	San Antonio, TX
Haley Margaret-Grace Ellis	Ridgeland, SC	Dianna Renee Raleigh	Seneca, SC
Michelle Dugena Estrellado	Manila, Philippines	Stephanie Dawn Raleigh	Seneca, SC
**Sherry Lynn Gravely	Pickens, SC	Amy Melissa Southern	Lyman, SC
Kelly Dianne Griffin	Anderson, SC	*Wendy Lynn Staggers	Hemingway, SC
Nicole Claudette Harris	Spartanburg, SC	***Connie Jean Mantle Steed	Spartanburg, SC
Cynthia Robin Hays	Anderson, SC	*Hunter Rebecca White	Florence, SC
Elizabeth Barker Hunt	Townsville, SC	Tracy Suzanne Wilson	Newberry, SC
Carissa Faith James	Greenville, SC		

Parks, Recreation, and Tourism Management			
David Maxie Burdette	Mauldin, SC	Blake Madison Lanford	Greenwood, SC
Vincent McKinley Busha	Westminster, SC	Mary Adair McKoy	Sumter, SC
Patrick O'Neal Butler	Spartanburg, SC	William Burgess Miley	Clemson, SC
Rachel Elizabeth Clodfelter	Anderson, SC	Eric Paul Miller	Huntington, WV
Amy Elizabeth Crouch	Laurens, SC	Christina Kriete Mingledorff	Hilton Head Island, SC
Bradley Carl Csontos	Akron, OH	Ryan Francis Murray	Atlanta, GA
David Lawrence D'Alessio	Greenville, SC	*Haley Michelle Nelson	Sumter, SC
Clifford Lee DeMartino	Greenville, SC	Mary Lyn Ogletree	Greenville, SC
Michael E. Dixon II	Spartanburg, SC	John Russell Opdycke	Sarasota, FL
Marc Richard Dombek	Gaithersburg, MD	*Keith Christian Rennie	Hilton Head Island, SC
Christopher Michael Erickson	Crystal Lake, IL	McKenzie Davis Solomons	Estill, SC
Lauren Danna Galbiati	Vineland, NJ	*Kimberly Ann Stewart	North Augusta, SC
Chester Ryan Hasting	Aiken, SC	Kathryn Cole Thomas	Rock Hill, SC
Thomas Blair Herbert	Anderson, SC	Melanie Dawn Thrift	Marietta, GA
William Warren Herndon	Lexington, SC	Todd Ashley Ward	Greenville, SC
Matthew Alexander Holmes	Newport News, VA	Justin Michael Watts	Florence, SC
Elizabeth Ann Hutchison	Simpsonville, SC	George Blake Wilson	Clemson, SC
David Michael Lane	Boiling Springs, SC	Kelley Rae Wolfe	Charleston, SC

Science Teaching			
Laura Jean Canger	Suwanee, GA	Darrell Alan Jernigan	Seneca, SC
Jason Allen Finley	Simpsonville, SC	Thomas John Schwedler	Clemson, SC
*J. B. Hicks, Jr.	Easley, SC		

\*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

+Departmental Honors: The graduates so designated have completed an enriched program of study designed by their departments with the approval of the Calhoun College Honors Program. To earn Departmental Honors students must complete an honors thesis and/or other upper division honors courses, while maintaining an overall grade-point ratio of 3.40 or higher. Departmental Honors graduates appear in the line of march wearing the Calhoun College Honors Medalion on an orange and purple ribbon. This medalion 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 members of honorary societies that require a minimum 3.00 grade point ratio for membership. The stoles have the University seal embroidered on one side, and on the other side are the emblem(s) of honorary societies in which the student is a member.

## Awards

### THE CLASS OF '39 AWARD FOR EXCELLENCE

In 1989 on the occasion of the 50<sup>th</sup> 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

CLIFTON SCOTT MILLER EGAN

Professor of Theatre

### FACULTY SCHOLARSHIP AWARD

Established at Clemson University in 1959, this is presented 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

ROLAND BRENT DRAKE  
Anderson, SC

JAMES SCOTT SCHAUBERGER  
Russellville, KY

VIRGINIA DENISE HARDIN  
Fairmont, NC

JASON GERARD VERRETT  
Anderson, SC

KEYUR SANTOSH PATEL  
Columbia, SC

REBECCA ELIZABETH WHITEHEAD  
Walhalla, SC

## 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 state and church in the Middle Ages. Its basic clublike shape, however, is much more ancient, probably going back to man's prehistory. It is made of walnut wood and silver, with the seal of the University in gold and the University colors represented by insets of cornelian (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 seal of the University 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 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 (charge 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 South Carolina's John C. Calhoun, a 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 Public Affairs, the College of Engineering and Science, the College of Health, Education, and Human Development, and the Graduate School.

The institution is an accredited member of the Southern Association of Colleges and Schools; various curricula are accredited by the Accreditation Board for Engineering and Technology, American Assembly of Collegiate Schools of Business, American Council for Construction Education, American Society of Landscape Architects, Computing Science Accreditation Board, Human Factors and Ergonomics Society, International Association for Management Education, National Architectural Accrediting Board, National Association of Industrial Technology, National Association of State Directors of Teacher Education and Certification, National Council for Accreditation of Teacher Education, National League for Nursing, Planning Accrediting Board, and Society of American Foresters.

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.

## CLEMSON ALMA MATER

A. C. Corcoran, '19

Where the Blue Ridge yawns its greatness,  
Where the Tigers play;

Here the sons of dear old Clemson  
Reign supreme alway.

### Chorus

Dear old Clemson, we will triumph  
And with all our might,

That the Tiger's roar may echo  
O'er the mountain height.

We will dream of great conquests,  
For our past is grand,

And her sons have fought and conquered  
Every foreign land.

Where the mountains smile in grandeur  
O'er the hill and dale.

Here the Tiger lair is nestling  
Swept by storm and gale.

We are brothers strong in manhood,  
For we work and strive;

And our alma mater reigneth  
Ever in our lives.

*Note:* 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 Portal O.

*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 the seating area of Littlejohn Coliseum. Cigarette receptacles are provided around the outer concourse.