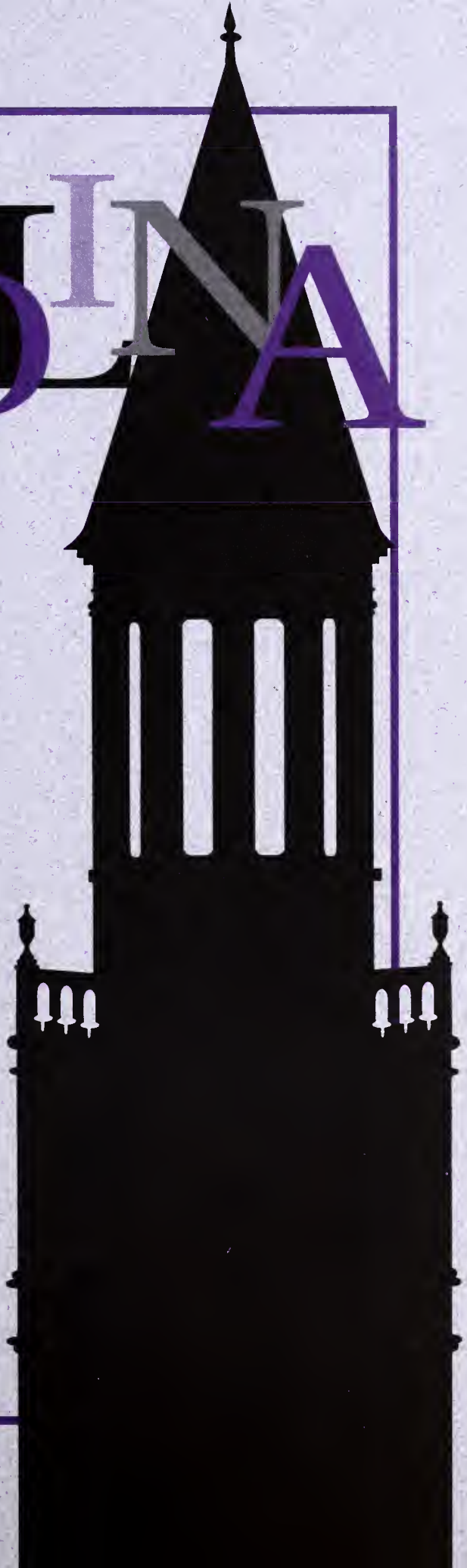
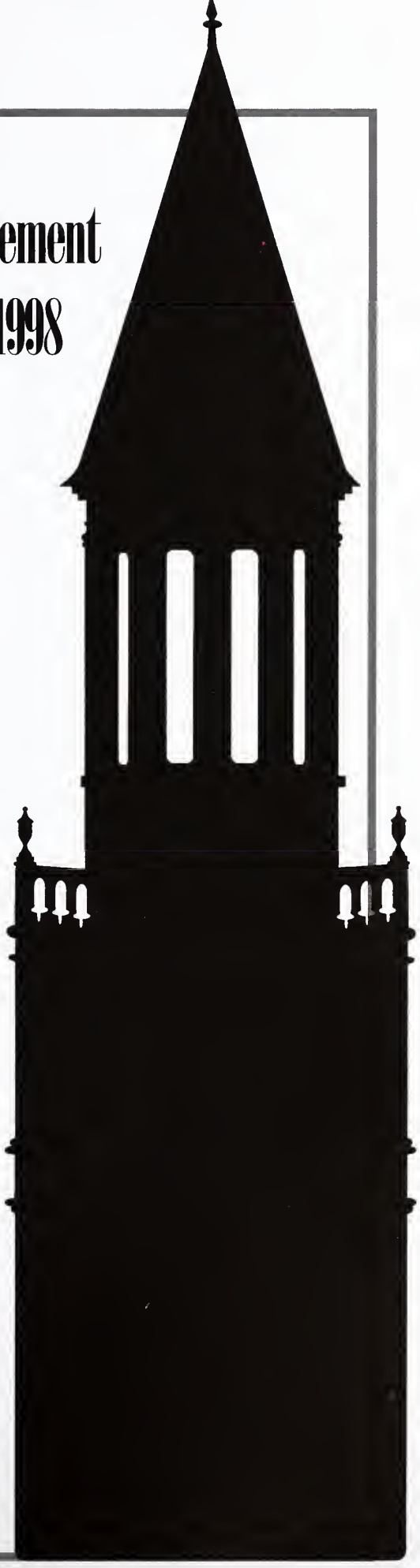
CAROLINA



MID-YEAR COMMENCEMENT
Sunday, December 20, 1998
Dean E. Smith Center
2 p.m.

Mid-Year Commencement
1998



Dear Graduates:

Nearly eighty years ago, fellow alumnus Thomas Wolfe called Chapel Hill "as close to magic as I've ever seen." That magic manifests itself in many forms: in the learning that transpires when you bring together bright young minds and a world-class faculty, in the relationships built and friendships cemented during the all-too-brief years at this great institution, and in the self-awareness that grows and flourishes in every member of this academic community. As our newest graduates, you, too, undoubtedly have experienced that same spark of magic, that almost electric moment of insight when you know what it means to be in this special place, learning, sharing and preparing for the future.

That magic — your Chapel Hill education — serves as a solid foundation as you step forward to meet the challenges that await you professionally and personally. The skills with which you leave UNC have prepared you to lead productive and, perhaps more importantly, meaningful lives both today and as we move into the 21st century. I hope each of you will enthusiastically embrace the future, confident of the knowledge and lessons you have learned at Carolina.

I encourage you to go out, put what you have learned here at UNC to work, and make a difference in the world. Leave your imprint on the things that matter to you. But remember those words of an earlier era and let the magic pull you back to Chapel Hill from time to time. As Thomas Wolfe so eloquently put it in a 1920 poem in his senior yearbook:

"...But sometimes when the Springtime comes,
And the sifting moonlight falls —
They'll think again of this night here
And of these old brown walls,
Of white old well, and of old South
With Bell's deep booming tone,
They'll think again of Chapel Hill and —
Thinking — come back home."

Best of luck to you, wherever the road of life may lead, and Godspeed on your journey back to Chapel Hill.

Michael Hooker

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Candidates for December 1998 degrees are expected to complete degree requirements at the conclusion of the fall semester. Degrees are officially conferred on December 31, 1998.

Graduates and guests are invited to the University Reception on the Smith Center concourse after Commencement. Graduates will recess to the reception area at the ceremony's end.

Alma Mater

The words of "Hark the Sound," UNC-Chapel Hill's *alma mater*, were written in 1897 by William Starr Myers, a graduating senior. The Glee Club director asked Myers to put words to the tune "Amici," and the song was first performed on June 2, 1897, as part of the Glee Club's Commencement performance in Gerrard Hall.

Soon the song was almost forgotten. When a University quartet tried a few years later to remember the words, they could recollect only the first verse and the chorus of Myers' original version. Two members of the quartet, Charles S. Mangum and Charles T. Woollen, added two verses to the one they remembered. Mangum later became a professor in the School of Medicine, and Woollen worked as the University's business manager and controller.

Hark the Sound

Hark, the sound of Tar Heel voices
Ringing clear and true,
Singing Carolina's praises,
Shouting N.C.U!

Hail to the brightest star of all!
Clear its radiance shine!
Carolina, priceless gem,
Receive all praises thine.

For Your Information

A sign language interpreter will be on the platform. A student marshal or Disability Services staff member can advise persons with hearing impairments about seating from which to view the interpreter.

This Commencement program is printed prior to administering final examinations. Therefore, including degree candidates' names in this program does not represent certification that candidates have satisfactorily completed degree requirements.

The Commencement Program

Concert by the University Band	Jeffrey W. Fuchs, Director
Academic Procession	*The Faculty Marshal* Ronald W. Hyatt, Professor of Physical Education, Exercise and Sport Science
Marshals from the Class of 1999 will lead the groups to their seats.	*The Chief Student Marshal* Jeremy B. Cohen, President of the Class of 1999 The Official Party The Faculty The Candidates for the Degrees of Doctor of Philosophy, Doctor of Education, and Doctor of Public Health The Candidates for Master's and Professional Degrees The Candidates for Baccalaureate Degrees
Presiding	Michael Hooker, Chancellor of The University of North Carolina at Chapel Hill
National Anthem	Stafford Wing, Associate Professor of Voice, Department of Music With the Entire Assemblage
Remarks	*For the Board of Governors of The University of North Carolina* Benjamin S. Ruffin, Chair *For The University of North Carolina* Molly C. Broad, President *For the Board of Trustees of The University of North Carolina at Chapel Hill* David E. Pardue Jr., Member *For the General Alumni Association* Charles M. Winston Sr., Chair *For the Graduate and Professional Student Federation* Bryan L. W. Kennedy, President *For the Class of 1999* Jeremy B. Cohen, President
Introduction of Commencement Speaker	Janora A. McDuffie, Vice President of the Class of 1999
Commencement Address	James L. Peacock III, William Rand Kenan Jr. Professor of Anthropology Director, University Center for International Studies
Introduction of Deans, Conferring of Degrees, and Chancellor's Charge to the Graduates	Michael Hooker
"Hark the Sound"	Stafford Wing With the Entire Assemblage
Academic Recessional	*Please remain in place for the recessional of the Official Party, Faculty, and Candidates for Degrees — led by the Faculty Marshal and Marshals of the Class of 1999. After the recessional, all guests are invited to attend the University Reception on the concourse.*

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of North Carolina
at Chapel Hill

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Caren Adler
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Elliot Baer
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Elizabeth Ashley Clarke
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Laura Crissman
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Eamon Gilmartin
Anitra Goodman
Karen Greenberg
Chad Hespell
Lena Heung
Shalanda Jaliwa
Melissa Johnson
Sachin Kalyani
Korey Karnes
Rina Khemlani
Billy Kortesis
April Little
Ella Lowery Lynch
Lindsee McPhail
Angela Merritt
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Sabrina Presnell
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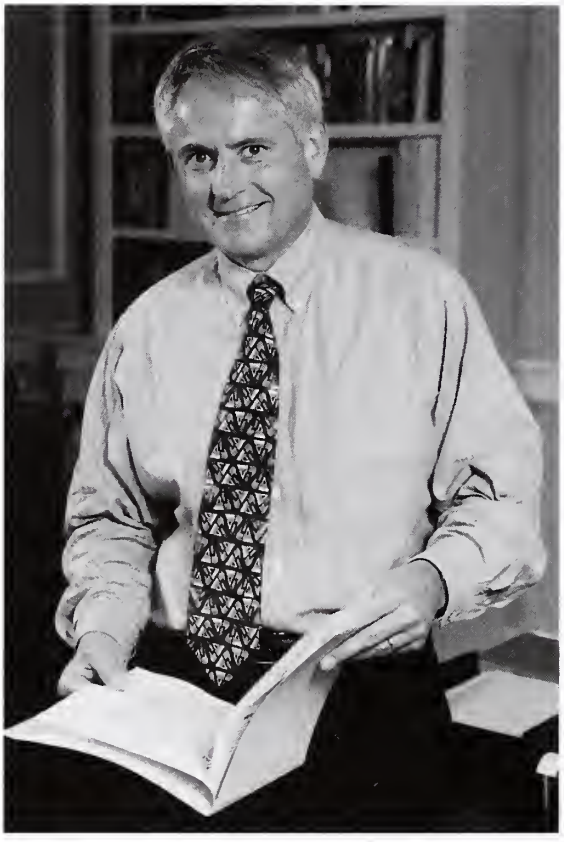
Kelly Swords
Lee Thrash
Lauren Thrower
Dan Valenti
Kelly Wade
Bill Warren
Chris Wilkie
Caroline Willingham
Bryan Winbush
Emily Wissa
Julia Witt

Michael Hooker, Chancellor

In 1969, Michael Hooker became the first person in his family to earn a college degree: no small accomplishment for someone from the coalfields of southwest Virginia near Richlands. Hooker credits his parents' strong work ethic — his father was a coalminer — and their unwavering belief in education with his academic success at The University of North Carolina at Chapel Hill and beyond.

Hooker returned in July 1995 as Carolina's eighth chancellor, continuing an extraordinary career for a man of his years. He was president of Bennington College at age 36; president of the University of Maryland-Baltimore County at age 40; and president of the five-campus University of Massachusetts system at age 47. Hooker took UNC-CH's helm at age 49.



A staunch believer in accountability, Hooker, 52, emphasizes the need for the University to work better, faster, and cheaper to meet the challenges facing higher education in a knowledge-based economy. "We can't escape the information revolution," he says. "In the 21st century, the only thing that will secure competitive advantage for our regional, state and national economies is the extent to which we have developed, nurtured, fostered, cultivated, and deployed brain power."

Hooker's vision for Carolina's role in that era includes marshaling resources for students and faculty that will make UNC-CH the top-ranked public institution in *U.S. News and World Report* magazine's annual list of the best colleges and universities.

The chancellor also stresses the university's commitment to North Carolinians and his administration's theme: "For the People."

"There is only one reason to have a public university, and that is to serve the people of the state," he says. "That should be the touchstone of everything we do: whether it's in the interest of North Carolina and our citizens. Our litmus test is the question: Is this the best possible use of our resources? Is what we do in Chapel Hill helping the factory worker in Kannapolis?"

To show that conviction, Hooker spent 1996-97 personally visiting all 100 North Carolina counties to reconnect the University with the people and learn about the state's economy and educational system.

The issue-oriented tour included speeches to civic, business, and education groups in dozens of Tar Heel towns and cities. He visited public schools, community colleges, small businesses, and manufacturing plants. He met with legislators, alumni, and Carolina students in their hometowns. In 1997 and 1998, the chancellor participated in weeklong bus tours across the state that introduced new faculty and administrators from other states and countries to the "real" North Carolina and allowed them to see where 82 percent of the University's undergraduate students come from.

Such travels have served Hooker well as Governor Jim Hunt's representative on the 1997-98 Commission on the Future of the South. The commission's report and recommendations are aimed at helping guide the region into the 21st century.

Public education is another major priority for Hooker, who ardently supports LEARN North Carolina (Learners' and Educators' Assistance and Resource Network of North Carolina), a World Wide Web site offered free to N.C. school systems through the School of Education. Teachers, curriculum or technology specialists and others in 108 of the state's 117 school districts have been trained on the site, which includes a database of exemplary lesson plans indexed by grade, subject and the N.C. Standard Course of Study, set by the N.C. Department of Public Instruction.

On campus, the chancellor has joined faculty, students, and staff in strengthening the intellectual climate. A chancellor's task force spearheaded those efforts through a major yearlong report completed in 1997. Some of the top recommendations — including a Freshman Seminars program in the College of Arts and Sciences —

are being implemented. Technology is a key point of emphasis. The University launched its first Internet-based courses and degree programs for undergraduates and graduates. The chancellor emphasizes the need to make Carolina accessible to working people who have mortgages, children in school, and can't pull up stakes and move to Chapel Hill.

Other focal points of Hooker's first three years in office included bolstering relations with the North Carolina General Assembly. The chancellor also has stressed adequate and equitable support for faculty, staff, and graduate students, resolved long-standing personnel disputes, and continued efforts to involve the local community in planning for development on the main campus and outlying properties. Under Hooker's leadership, the University also works to sustain the success of private fund-raising efforts during the $440 million Bicentennial Campaign for Carolina, completed in 1995.

Hooker returned to Chapel Hill from the presidency at UMass, where he oversaw a $1.2 billion budget, 58,000 students, 3,400 faculty, and 7,000 staff. After becoming president in 1992, he led improvements in areas such as teaching and economic development and later tackled restructuring two campuses.

Hooker went to UMass from the 10,300-student University of Maryland-Baltimore County, which he led from 1986 to 1992. Hooker governed Vermont's Bennington College, a 600-student liberal arts school, from 1982 to 1986. The chancellor was featured in *Esquire* magazine's 1984 story on the "Best of the New Generation" along with future U.S. President Bill Clinton.

From 1975 to 1982, Hooker held posts at Johns Hopkins University, including dean of undergraduate and graduate studies. He taught philosophy at Harvard University from 1973 to 1975 after earning master's and doctoral degrees in philosophy from the University of Massachusetts-Amherst in 1972 and 1973, respectively.

Hooker long has been a national leader in education. In recent months he has been keynote speaker at the Council for the Advancement and Support of Education's first national conference on university outreach efforts. He also participated in a forum addressing technology standards for global learning sponsored by Western Governors University and the National Governors' Association for Best Practices. In 1996, the chancellor was among the first 20 college presidents named by Secretary of Education Richard Riley to serve on a steering panel for the "America Reads Challenge," aimed at boosting the ranks of college students helping elementary students learn to read well by the end of the third grade.

Hooker is a member of the Association of Governing Boards' Advisory Board of Presidents and the North Carolina Biotechnology Center's Board of Directors. He has served on the American Association of State Colleges and Universities' Committee on International Programs and chaired the American Council of Education's Commission on Leadership Development. He is a member of the boards for Centura Bank Inc., headquartered in Rocky Mount, N.C., and ALLTEL Corp. in Little Rock, Arkansas.

An expert on medical ethics, Hooker has written scholarly articles on applied ethics in business and the ethics of biological warfare. He chaired the biotechnology advisory panel for the U.S. Congress' Office of Technology Assessment from 1982 to 1984. A former member of the editorial board of the Journal of Business Ethics, Hooker was editor of "Descartes: Critical and Interpretive Essays" and "Leibniz: Critical and Interpretive Essays." His awards include an honorary degree from Drexel University, a Danforth Associateship, a Woodrow Wilson Dissertation Fellowship, and a Harvard Faculty Research Fellowship.

Hooker is the father of a 17-year-old daughter, Alexandra. His wife, Carmen, a Philadelphia native, is group vice president for the Carolinas HealthCare System with responsibilities for coordinating government relations activities in the Carolinas and Washington, D.C. She served six terms in the Massachusetts House of Representatives and was Chairman of the Joint Committee on Health Care. A graduate of Springfield College, she earned a master's degree in regional planning from UMass-Amherst in 1984. She has two daughters: Jennifer, a public school teacher in Charlotte, and Cyndi, an art student at the Museum School in Boston.

James L. Peacock, Commencement Speaker

Dr. James L. Peacock, Kenan professor of anthropology and director of the University Center for International Studies, continues the University's tradition of faculty speakers at mid-year commencements.

As one of the most respected members of the University's faculty, Peacock has earned a reputation as a brilliant scholar and as a mentor who cares deeply about the lives of students and the ideals that make Carolina an outstanding institution.

Peacock, who served as chair of the faculty from 1991 to 1994, has taught in the University's anthropology department for thirty-one years. He served twice as department chairman. In 1987, he was named a Kenan professor.

A past president of the American Anthropological Association, the field's top professional organization, and the Society for Cultural Anthropology, he has also served as vice president of the American Society for the Study of Religion. A Guggenheim Fellow, Peacock has been inducted into the American Academy of Arts and Sciences.

Peacock has done field research in Southeast Asia. He has written numerous scholarly articles as well as several books including *Rites of Modernization: Symbolic and Social Aspects of Indonesian Proletarian Drama, Consciousness and Change: Symbolic Anthropology in Evolutionary Perspective* and *Muslim Puritans: The Reformist Psychology in Southeast Asian Islam.*

The professor's numerous accomplishments on campus have resulted in honors such as the 1998 Faculty Service Award from the General Alumni Association, the Thomas Jefferson Award, the Employee Forum Community Award for Improvement in Faculty-Staff Relations, and induction into the Order of the Golden Fleece.

A native of Montgomery, Ala., Peacock earned a bachelor's degree from Duke University and a Ph.D. in social anthropology from Harvard University.

Notes on Academic Dress

The following information, condensed from An Academic Costume Code and Ceremony Guide *and published by the American Council on Education, may be helpful in identifying academic attire worn during today's ceremony*

The history of academic dress dates back to the European Middle Ages when scholars at the oldest universities were clerics. Capes with hoods and warm caps were needed in cold, drafty buildings. The desire for a uniform appearance ("well born, well turned-out, and somewhat learned," read one medieval formula) and for marks to distinguish bachelor's, master's, and doctoral degree candidates led to the development of today's academic costume.

In 1895, representatives from American colleges and universities met at Columbia University and fashioned a standard code of academic dress for this country. The code, modified in 1959, is still in force. The costumes, colors, trimmings, and patterns you see are traditional, and refer to the specific degree and field of study.

The bachelor's gown, designed to be worn closed, has pointed sleeves. The master's gown, which may be worn open or closed, has an oblong sleeve, open at the wrist, that hangs nearly to the ground; the back part of its oblong shape is square cut and the arc in the front is cut away. The doctor's gown may be worn open or closed, and has bell-shaped sleeves.

Bachelors' and masters' gowns are untrimmed. Doctors' gowns are usually faced with black velvet, with three bars across the sleeves, although the color of the velvet may vary according to the field of study. Hoods, which differ in length for the three degrees, are lined with official colors of the university or college that conferred the degree, usually with one color forming a chevron pattern over the other. Some colors you will see on faculty and administrators' robes are: the crimson of Harvard, the maroon of Chicago, the light blue and white of North Carolina, the orange and black of Princeton, and the dark blue of Yale.

Hoods also are edged and bound with velvet in the color appropriate to the field of study. You will see many hoods in our procession edged with dark blue, for doctor of philosophy (Ph.D.). The colors in the hoods and gowns of faculty represent the following fields in which degrees were taken:

Apricot: Nursing
Brown: Fine Arts
Citron: Social Work
Crimson: Journalism
Dark Blue: Philosophy
Golden Yellow: Science
Green: Medicine
Lemon-Yellow: Library Science
Light Blue: Education
Lilac: Dentistry
Olive-Green: Pharmacy
Orange: Engineering
Pink: Music
Purple: Law
Sage Green: Physical Education
Salmon Pink: Public Health
Scarlet: Theology
Yellow-Brown: Commerce, Business, Accountancy
White: Arts, Letters, Humanities

Degree Abbreviations

The following list explains the abbreviations of degrees conferred on students at UNC-Chapel Hill.

A.B.: *Bachelor of Arts*
A.B.Educ.: *Bachelor of Arts in Education*
A.B.Jo.M.C: *Bachelor of Arts in Journalism and Mass Communication*
B.F.A.: *Bachelor of Fine Arts*
B.Mus.: *Bachelor of Music*
B.M.Educ.: *Bachelor of Music Education*
B.S.App.Sc.: *Bachelor of Science in Applied Science*
B.S.B.A.: *Bachelor of Science in Business Administration*
B.S.Biol.: *Bachelor of Science in Biology*
B.S.Chem.: *Bachelor of Science in Chemistry*
B.S.C.L.S.: *Bachelor of Science in Clinical Laboratory Science*
B.S.D.H.: *Bachelor of Science in Dental Hygiene*
B.S.Dent.: *Bachelor of Science in Dentistry*
B.S.Geol.: *Bachelor of Science in Geology*
B.S.Math.: *Bachelor of Science in Mathematics*
B.S.M.S.: *Bachelor of Science in Mathematical Sciences*
B.S.M.T.: *Bachelor of Science in Medical Technology*
B.S.Med.: *Bachelor of Science in Medicine*
B.S.N.: *Bachelor of Science in Nursing*
B.S.Phar.: *Bachelor of Science in Pharmacy*
B.S.Phys.: *Bachelor of Science in Physics*
B.S.Psyc.: *Bachelor of Science in Pschology*
B.S.P.T.: *Bachelor of Science in Physical Therapy*
B.S.P.H.: *Bachelor of Science in Public Health*
B.S.R.S.: *Bachelor of Science in Radiologic Science*
B.S.S.T.: *Bachelor of Science in Science Teaching*
Cert.Dent.Hy.: *Certificate in Dental Hygiene*
C.A.S.I.L.S.: *Certificate of Advanced Study in Information and Library Science*
C.Gr.Ed.: *Certificate of Graduate Study in Education*
D.D.S.: *Doctor of Dental Surgery*
D.P.H.: *Doctor of Public Health*
Ed.D.: *Doctor of Education*
Dr.Phar.: *Doctor of Pharmacy*
J.D.: *Juris Doctor*
M.Acctg.: *Master of Accounting*
M.A.: *Master of Arts*
M.A.T.: *Master of Arts in Teaching*
M.B.A.: *Master of Business Administration*
M.D.: *Doctor of Medicine*
M.Ed.: *Master of Education*
M.F.A.: *Master of Fine Arts*
M.H.A.: *Master of Health Care Administration*
M.Mus.: *Master of Music*
M.P.A.: *Master of Public Administration*
M.P.H.: *Master of Public Health*
M.R.P.: *Master of Regional Planning*
M.S.: *Master of Science*
M.S.E.E.: *Master of Science in Environmental Engineering*
M.S.I.S.: *Master of Science in Information Science*
M.S.L.S.: *Master of Science in Library Science*
M.S.N.: *Master of Science in Nursing*
M.S.P.H.: *Master of Science in Public Health*
M.S.R.A.: *Master of Science in Recreation Administration*
M.S.W.: *Master of Social Work*
Ph.D.: *Doctor of Philosophy*

Candidates for Graduate Degrees • December 1998

The Graduate School

Established 1876

Dean Linda Dykstra

Doctor of Philosophy

Henley Christopher Adams, *Political Science*, Race and the Cuban Revolution: The Impact of Cuba's Intervention in Angola. Under the direction of Professor Evelyne Huber-Stephens.

Lynn Wilder Adams, *Psychology*, Incorporating Narrow Interests into the School Tasks of Children with Autism. Under the direction of Professor Cary B. Mesibov.

Roland Eugene Ahnen, *Political Science*, Defending Human Rights Under Democracy: The Case of Minors in Brazil. Under the direction of Professor Jonathan Hartlyn.

Richard K. Alley, *Computer Science*, Restoration of Motion Pictures with Significant Impairments. Under the direction of Professor Jonathan Marshall.

Carolyn M. Allmendinger, *Art History*, Titian's Colorito, Felibien's Coloris: French Academic Discourse and the Practice of Painting. Under the direction of Professor Mary Pardo.

Torben Juul Andersen, *Business Administration*, Decentralized Strategy Formation, and Centralized Planning in the New Competitive Environment. Under the direction of Professor Hugh M. O'Neill.

Tonya Denise Armstrong, *Psychology*, The Impact of Spirituality on the Coping Process in Families Dealing with Pediatric HIV or Pediatric Nephrotic Syndrome. Under the direction of Professor Frank J. Floyd.

Julia T. Arnold, *Pathology and Laboratory Medicine*, Human Endometrial Stromal Cells Regulate Epithelial Cell Growth and Function in vitro. Under the direction of Professor David G. Kaufman.

Alison Aileen Aughinbaugh, *Economics*, Child Outcomes as Signals and the Receipt of Child Support. Under the direction of Professor Thomas A. Mroz.

Kristine Denise Baerwald, *Neurobiology*, Deleterious Effects of Interferon-gamma on Oligodendrocytes and a Mechanism of Action. Under the direction of Professor Brian Popko.

Jay Michael Bernhardt, *Health Behavior Health Education*, An Evaluation of Anti-Violence Public Service Announcements: The Effects of Modeling Negative Consequences for Aggressive Handgun Use. Under the direction of Professor James R. Sorenson.

Michael Raymond Betts, *Microbiology and Immunology*, Role of HIV-Specific CTL in HIV Infection. Under the direction of Professor Jeffrey A. Frelinger.

Joyce Blackwell-Johnson, *History*, No Peace without Freedom, No Freedom without Peace: African American Women Activists in the Women's International League for Peace and Freedom, 1915-1970. Under the direction of Professor Jacqueline Hall.

Jennifer Blazing, *Business*, How Perceptions about the Purity of Sponsor Motives Affect the Persuasiveness of Socially-Oriented Communications. Under the direction of Professor Paul Bloom.

Sara E. Bon, *Anthropology*, Common Wares: Approaches to a Gallo-Roman Ceramic Assemblage. Under the direction of Professor Carole L. Crumley.

Erin Lang Bonin, *English*, Worlds of Their Own: Seventeenth-Century British Women Writers Envision Utopia. Under the direction of Professor Reid Barbour.

Judith Rafaelita Bernaldez Borja, *Nutrition*, Young Maternal Age at First Pregnancy and Infant Growth. Under the direction of Professor Linda S. Adair.

Eugenia M. C. Moraes Bostas, *Epidemiology*, Epidemiologic and Molecular Characteristics of Borderline and Malignant Epithelial Ovarian Tumors. Under the direction of Professor Robert Millikan.

Maia Boswell, *English*, Sites of Impasse: Crossing and Transgression in Blake, Barrett Browning, and D. H. Lawrence. Under the direction of Professor John McGowan.

Kirk Scott Bowman, *Political Science*, (De) Militarization, State Capacity and Development in Latin America: A Quantitative and Comparative Historical Analysis. Under the direction of Professor Evelyne Huber.

Cynthia A. Bradham, *Biochemistry and Biophysics*, TNFα Signal Transduction in Liver Injury. Under the direction of Professor David Brenner.

Valerie Brown, *Education*, On Their Way to Discovery: How and Why First Graders Make Book Selections in a Free Choice Setting. Under the direction of Professor Dixie Lee Spiegel.

Ehren Bucholtz, *Pharmacy*, Novel Phenylaminotetralins as Ligands for Histamine H1 Receptors. Under the direction of Professor Steven D. Wyrick.

David Lee Bull, *Health Policy and Administration*, Factors Affecting Child Immunization Uptake in Developing Countries: The Case of Bolivia. Under the direction of Professor James Veney.

Sharon King Bullock, *Pathology*, Analyses of UV-dependent Mechanisms of Inhibition of DNA Replication. Under the direction of Professor Marila Cordeiro-Stone.

Susan Elizabeth Burger, *Nursing*, The Impact of New Jersey Welfare Reform Policy on Health-Related Organizations and Communities. Under the direction of Professor Nancy Milio.

Barbara A. Baker Burkhart, *Genetics and Molecular Biology*, Characterization of the Human Hic-5 Gene. Under the direction of Professor J. Carl Burrett.

Christy Shawn Carter, *Psychology*, Latent Inhibition of Fear vs. Reflex Components of Eyeblink Conditioning in the Infant Rat. Under the direction of Professor Mark E. Stanton.

Mary Elizabeth Cameron, *Geography*, Early Settlement and Cultural Institutions of Northwestern Pennsylvania. Under the direction of Professor John Florin.

Grace Caskie, *Psychology*, Latent Growth Curve Modeling: Trajectories of Cognitive Ability and Model Performance with Incomplete Data. Under the direction of Professor A.T. Panter.

Diane J. Catellier, *Biostatistics*, Inference for the General Linear Multivariate Model with Missing Data in Small Samples. Under the direction of Professor Keith Muller.

Siriporn Chaisin, *Oral Biology*, Identification and Evaluation of Central Trigeminal Brainstem Responding to Noxious-Physiological and Pathophysiological Stimulation of the Dentition. Under the direction of Professor William Maixner.

Sarat Chandarlapaty, *Biochemistry and Biophysics*, The Role of ASH1 in Pseudohyphal Differentiation of *Saccharomyces Cerevisiae*. Under the direction of Professor Beverly Errede.

Yi-Jin Chiou, *Pharmacy*, Effect of Glycation by Acyl Glucuronide on Protein Function. Under the direction of Professor Philip C. Smith.

Neepa Y. Choksi, *Pharmacy*, Neuropharmacological and Functional Characterization of the Rat Brain Binding Site Recognized by 1-Phenyl-3-Aminotetralins. Under the direction of Professor Raymond G. Booth.

Keith W. Cogdill, *Information and Library Science*, The Information Needs and Information Seeking of Nurse Practitioners. Under the direction of Professor Barbara M. Wildemuth.

Boyce Edwin Collins, *Chemistry*, Experimental and Theoretical Investigation of the Two-Electron Redox Process Associated with Coordinated Metallophosphane Clusters. Under the direction of Professor Cynthia K. Schauer.

Edna W. Comer, *Social Work*, Effects of a Cognitive Behavioral Group Intervention on the Reduction of Depressive Symptoms in Individuals with Sickle Cell Disease. Under the direction of Professor V. Hodges.

Thomas Gregory Concannon, *Physics and Astronomy*, Black Hole Thermodynamics with Finite Boundary Conditions. Under the direction of Professor James W. York Jr.

Elizabeth Jennings Craig, *Romance Languages*, Victor Hugo's Private Sphere: Family and Honor in the Exile Novels. Under the direction of Professor Stirling Haig.

Edwin Cruz-Rivera, *Marine Sciences*, The Effects of Diet on Temperate Mesograzers: Consequences of Prey Traits for Consumer Feeding and Fitness. Under the direction of Professor Mark E. Hay.

Alfredo Hernan Cueva, *Environmental Sciences and Engineering*, Monte Carlo Design of Residential Water Rates Under Uncertainty: The Case of Dakar, Senegal. Under the direction of Professor Donald T. Lauria.

Gina Marie Donato, *Microbiology and Immunology*, Structural Domain Organization and Role of H-NS in Escherichia coli Type 1 Piliation and Motility. Under the direction of Professor Thomas H. Kawula.

Jane Denise Dulski, *Health Policy and Administration*, Predicting Future Health Care Consumption for Individuals with Chronic Medical Conditions. Under the direction of Professor Susan DesHarnais.

Betina Iris Entzminger, *English*, The Belle Gone Bad: Southern Women Writers and the Femme Fatale. Under the direction of Professor Fred Hobson.

Kevin D. Farley, *English*, "Consum'd in going": Recitation and Revocation in Elizabethan Endings. Under the direction of Professor Darryl J. Gless.

John Dale Fields, *Chemistry*, Surface-Mediated Oxidation of Sulfides, Sulfoxides, and Amines: Selectivities and Mechanisms. Under the direction of Professor Paul J. Kropp.

Stephen Eric Folger, *Biomedical Engineering*, Quantitative Characteristics of the Cortical Neuronal Population Response to Vibrotactile Stimulation in Man: Effects of NMDA Receptor Block on Properties of the Driving Response. Under the direction of Professor Mark Tommerdahl.

David Marc Fresco, *Psychology*, Congitive Styles as Moderators of the Relationship of Life Stress to Depression and Anxiety. Under the direction of Professor Frank Floyd.

Kenneth J. Friedman, *Genetics and Molecular Biology*, Aberrant Splicing — Consequences and Intervention in the Pathology of Cystic Fibrosis. Under the direction of Professor Lawrence M. Silverman.

George Garrett, *Classics*, The Characters' Ideas about Divine Intervention in Homer's Odyssey. Under the direction of Professor Peter M. Smith.

Charles Robert Garris, *History*, Becoming German: Immigration, Conformity, and Identity Politics in Wilhelminian Berlin, 1880-1914. Under the direction of Professor Konrad Jarausch.

Mark Douglas Given, *Religious Studies*, A Sophistic Paul: Ambiguity, Cunning, and Deception in Greece and Rome. Under the direction of Professor Bart Ehrman.

Stefan Gottschalk, *Computer Science*, Proximity Queries Using Oriented Bounding Boxes. Under the direction of Professor Manesh Manocha.

Sumedha Gupta, *Psychology*, A Developmental Study of Worry Construction. Under the direction of Professor Peter Ornstein.

Mark C. Hall, *Biology*, *Escherichia coli* DNA Helicase II: Structure-function Analysis of Conserved Amino Acid Motifs and Investigation of Protein-protein Interactions. Under the direction of Professor Steven W. Matson.

Rebecca Hanrahan, *Philosophy*, Evidence for Possibilities. Under the direction of Professor Keith Simmons.

Margaret Mary Harris, *Nutrition*, Associations of Fat Distribution and Obesity with Cardiovascular Risk Factors in a Bi-ethnic Population. Under the direction of Professor June Stevens.

Theresa Hatzell, *Health Policy and Administration*, Examining Diffusion of Breast Cancer Clinical Practice Guidelines in Rural North Carolina. Under the direction of Professor Arnold Kaluzny.

James F. Helm, *Epidemiology*, Effectiveness and Economic Impact of Colorectal Cancer Screening. Under the direction of Professor Robert S. Sandler.

Elizabeth Jones Hemenway, *History*, Telling Stories: Russian Political Culture and Narratives of Revolution, 1917-1921. Under the direction of Professor Donald J. Raleigh.

Rebecca Anne Henschel, *Germanic Languages*, The National Socialist Past in Women's Novels of the 1970s and 1980s. Under the direction of Professor David Pike.

Carolyn Neale Hickman, *English*, "What to Throw Away/What to Keep": Mobilizing Expressive Culture for Regional Reconstruction in Appalachia. Under the direction of Professor David E. Whisnant.

Catherine Leigh Hogan, *Pharmacology*, Single-Channel Kinetics of External Tetraethylammonium Block of Large-Conductance Calcium-Activated Potassium Channels. Under the direction of Professor Parry S. Pollatta.

Michael J. Holland, *Chemistry*, Environmental and Biological Applications of Secondary Ion Mass Spectrometry. Under the direction of Professor Richard Linton.

Douglas Gordon Howe, *Neurobiology*, An Examination of the Role of Protein Kinase A in Neuron-Schwann Cell Interactions Using Retroviral Vectors. Under the direction of Professor Ken D. McCarthy.

Marion Rose Hughes, *Sociology*, Adolescent Fatherhood: Social Determinants and Life Course Consequences. Under the direction of Professor Kathleen Mullan Harris.

Sandra M. Hughes, *Information and Library Science*, The Impact of Whole Language on Four Elementary School Libraries. Under the direction of Professor Evelyn Daniel.

Subin Im, *Business*, The Effect of Creativity on New Product Success. Under the direction of Professors Gary Armstrong and John Workman.

Hitendra Sinh Jethwa, *Pathology*, Molecular Characterization of the Spontaneous Anti-Myeloperoxidase Antibody Response in SCG/Kj Mice. Under the direction of Professor J. Charles Jennette.

David M. Johnston, *Microbiology and Immunology*, Characterization and Mutagenesis of the *opa* Gene Family of *Neisseria gonorrhoeae* and *N. meningitidis*. Under the direction of Professor Janne G. Cannon.

Daniel Allen Kahn, *Physics*, Numerical Simulations of Novel Materials: Si Clathrates and Carbon Nanotubes. Under the direction of Professor Jian Ping Lu.

George J. Kalarickal, *Computer Science*, Theory of Cortical Plasticity in Vision. Under the direction of Professor Jonathan A. Marshall.

C. Neal Keye, *Religious Studies*, The Resistance to Reading: Genealogies of Interpretation in Theories of Religion and Culture. Under the direction of Professor Tomoko Masuzawa.

Hye-Young Kang Kim, *Health Policy and Administration*, The Relationship between the Quality of Care of Hemodialysis Patients and Organizational Characteristics of Dialysis Facilities. Under the direction of Professor G. Joseph Norwood.

Bryan Wayne King, *Chemistry*, Asymmetric Aldol Additions with Titanium Enolates of Acyloxazolidinethiones: Total Synthesis of Callystatin A. Under the direction of Professor Michael T. Crimmins.

Karen S. Kmetik, *Health Policy and Administration*, The Effects of Medical Malpractice Liability on Physician Prices and Services. Under the direction of Professor Sally A. Stearns.

Stephen C. Knowles, *Marine Sciences*, In situ Analysis of Fine-Grained Suspended Sediment in Estuaries and Coastal Waters. Under the direction of Professor John Wells.

Jeannie Hee-Jin Koo-Loeb, *Psychology*, Stress-Induced Cardiovascular and Neuroendocrine Dysregulation in Eating Disorders. Under the direction of Professor Susan S. Girdler.

Cynthia Joy Kornegay, *Epidemiology*, The Effect of Social Support on the Relationship between Hostility and Seated Blood Pressure and Anger Expression and Ambulatory Blood Pressure. Under the direction of Professor Gerardo Heiss.

Michelle R. Kotecki, *Environmental Sciences and Engineering*, Application of a State-Vector Model for Radiation Carcinogenesis to Exposures of Radon Progeny in the Lung: Test of the Coherence between in vitro and in vivo models. Under the direction of Professor Douglas Crawford-Brown.

Eileen Elizabeth Kupstas Soo, *Computer Science*, Understanding Collaboration: Tools and Techniques for Studying Computer-Supported Group Work. Under the direction of Professor John B. Smith.

Verna Lisa Lamar, *Epidemiology*, Impaired Lung Function as a Predictor of Cardiovascular Disease. Under the direction of Professor Gerardo Heiss.

Donald Wayne Lawrence, *Pathology*, Regulation of Human Neutrophil Adhesion and Spreading by Cyclic 3', 5' Guanosine Monophosphate. Under the direction of Professor Katherine B. Pryzwansky.

Christian C. Lee, *Pharmacy*, Structure-Function Studies of Hypoxanthine Phosphoribosyltransferases. Under the direction of Professor Ann E. Eakin.

Christian P. Lenges, *Chemistry*, Carbon-Hydrogen Bond Activation Using Cobalt(I), Rhodium(I) and Ruthenium(II) Complexes and Related Catalytic Reactions. Under the direction of Professor Maurice Brookhart.

Stephen P. Letrent, *Pharmacy*, P-Glycoprotein-Mediated Disposition of Morphine in the Central Nervous System. Under the direction of Professor Kim L.R. Brouwer.

Kuo-Ping Li, *Physics*, Conductance Fluctuation and Metal-Insulator Transition in a Two-Dimensional Electron System. Under the direction of Professor Sean Washburn.

Yuh-Yih Lin, *Oral Biology*, Characterizing the Molecular and Cellular Events for the Nature of Host-Periodontopathgen Interactions with *Porphyromonas Gingivalis* Infection in a Mouse Chamber Model. Under the direction of Professor Roland R. Arnold.

Andrew S. Lindstrom, *Environmental Sciences and Engineering*, Benzene Oxide Protein Adducts as Indicators of Tissue Dose. Under the direction of Professor Steve Rappaport.

Henry Arthur Lister, *Education*, Parents' Perceptions after Participating in a Family Literacy Program. Under the direction of Professor Dixie Lee Spiegel.

Gorjana Litvinovic, *Psychology*, Perceived Change, Time Orientation and Subjective Well-Being through the Life Span in Yugoslavia and the United States. Under the direction of Professor Beth Kurtz-Costes.

Hui Henry Liu, *Oral Biology*, The Shifting Roles of the Neutrophil in Peridontal Health and Disease: Pathogen and Host Determinants. Under the direction of Professor Roland R. Arnold.

Mark Alan Livingston, *Computer Science*, Vision-Based Tracking with Dynamic Structured Light for Video See-Through Augmented Reality. Under the direction of Professor Henry Fuchs.

Ivan Llamazares, *Political Science*, A Comparative Analysis of Spanish Regional Parties. Under the direction of Professor Jonathan Hartlyn.

Joseph J. Loureiro, *Biology*, Roles of *armadillo*, a *Drosophila* Catenin, during Central Nervous System Development. Under the direction of Professor Mark Peifer.

Flora E-shen Lu, *Ecology*, Changes in Subsistence Patterns and Resource Use of the Huaorani Indians in the Ecuadorian Amazon. Under the direction of Professor Bruce Winterhalder.

David P. Luebke, *Computer Science*, View-Dependent Simplification of Arbitrary Polygonal Environments. Under the direction of Professor Frederick P. Brooks Jr.

Albert H. Lyter, *Chemistry*, Characterization of Polymeric Materials by X-Ray Photoelectron Spectroscopy and Time-of-Flight Secondary Ion Mass Spectrometry: Biomedical and Forensic Applications. Under the direction of Professor Richard W. Linton.

John Edward MacNair, *Chemistry*, Ultra High Pressure Liquid Chromatography. Under the direction of Professor James W. Jorgenson.

Scott Thomas Magness, *Genetics and Molecular Biology*, Regulation of the Ferrochelatase Gene and the Molecular Pathogenesis of Protoporphyria. Under the direction of Professor David A. Brenner.

Michael W. Mahon, *English*, Thomas Sheridan Elocution: Literacy, Literature, and Taste in Late Eighteenth-Century Great Britain. Under the direction of Professor James Thompson.

Shannon Márquez Nyarko, *Environmental Sciences and Engineering*, Development of an Environmental Decision Support System (EDSS) for Balancing Risks from Microbes and Disinfection By-products (DBPS) in Drinking Water Supplies. Under the direction of Professor Douglas Crawford-Brown.

Deborah Anne Marshall, *Health Policy and Administration*, Protocol Adherence and Outcome Measurement in Observational Data for HIV+ Disease. Under the direction of Professor Kit Simpson.

Stephen William Marshall, *Epidemiology*, Effectiveness of Protective Equipment in Contact Sports. Under the direction of Professor Dana P. Loomis.

Oleg Antonovich Mazyar, *Chemistry*, Threshold Photoelectron-Photoion Coincidence Studies of the Unimolecular Dissociation of the Ester Ions. Under the direction of Professor Thomas Baer.

Robin Gail McArthur, *Romance Languages*, The Jacques Vingtras Trilogy: A New Conception of the Novel. Under the direction of Professor Carol L. Sherman.

Bradley John McMillen, *Special Education*, Predictors of Engagement in Center-Based Child Care: Mediating and Moderating Effects. Under the direction of Professor R. A. McWilliam.

Kim Renee Melton, *Biomedical Engineering*, The Development of a Biological Interface for Transition Metal Implants. Under the direction of Professor Miles A. Crenshaw.

Lorraine Messinger, *Social Work*, History at the Table: Planning a Comprehensive Community Initiative in the Rural South. Under the direction of Professor Marie O. Weil.

Gary John Mihlan, *Environmental Sciences and Engineering*, Exploratory Analysis of Extremely Low Frequency Magnetic Field Exposure Patterns in Electric Utility Workers. Under the direction of Professor Lori Todd.

Jason Miller, *Mathematics*, Relative Critical Sets in R^n and Applications to Image Analysis. Under the direction of Professor James Damon.

Kimberly Marie Miller, *Curriculum and Instruction*, Investigating Induction Practices in North Carolina: Classroom Teachers' Perceptions. Under the direction of Professor Hunter Ballew.

Shannon Bass Miller, *School Psychology*, The Relation of Parents' Facilitation of their Children's Peer Interaction to the Children's Social Competence and Peer Support. Under the direction of Professor Walter Pryzwansky.

Penny L. Mirrett, *Special Education*, A Clinical Typology of Preschoolers with Communication Delays and Impairments. Under the direction of Professor Rune J. Simeonsson.

Tanya J. Morgan, *Health Policy and Administration*, The Determinants of Bypassing Obstetrical Services. Under the direction of Professor Lucy A. Savitz and Professor Paul K. Halverson.

John Nail, *Economics*, The Effect of Hospital Mergers and Closures on Market Prices and Profit Margins in California. Under the direction of Professor John F. Stewart.

Bassam Michael Nakhle, *Chemsitry*, Engineering of Nonnatural Peptides and Tripod Proteins. Under the direciton of Professor Bruce W. Erickson.

Pamela Paxton, *Sociology*, Capitalizing on Community: Social Capital and the Democratic Society. Under the direction of Professor Kenneth Bollen.

Juanita Lynn Perez, *Neurobiology*, Investigations of the Involvement of Endogenous Activity at Opioid Receptor Subtypes in Pavlovian Conditioned Immunomodulation. Under the direction of Professor Donald T. Lysle.

Wendy Ellen Perry, *History*, Remembering Dreyfus: The Ligue des Droits de l'Homme and the Making of the Modern French Human Rights Movement. Under the direction of Professor Donald M. Reid.

David R. Pesiri, *Environmental Sciences and Engineering*, Selective Oxidation Catalysis in Dense Phase Carbon Dioxine: Understanding the Opportunity for Enhanced Chemistry. Under the direction of Professor Williams H. Glaze.

Richard W. Phillips, *Chemistry*, The Synthesis of Poly(arylene)s via Nickel(0)-catalysis: Homopolymers and Copolymers. Under the direction of Professor Joseph M. DeSimone.

Jeremy John Pietron, *Chemistry*, Mass and Charge Transport in Ordered Chemical Systems: Monolayer Protected Clusters and Liquid Crystals. Under the direction of Professor Royce W. Murray.

Dwayne Lee Pinkney, *Political Science*, Representative or Restrained Bureacracy: Administration Discretion or Political Control in the FDA and FTC Regulation of Pharmaceuticals (1980-1994). Under the direction of Professor David Lowery.

Eric Claude Poncelet, *Anthropology*, Enduring Environmental Conflicts and Emerging Cultures of Cooperation: Partnerships in the European Union and Belgium. Under the direction of Professor Dorothy Holland.

Larry Douglas Potter, *Physics*, NMR of Nanocrystalline Semiconductors. Under the direction of Professor Yue Wu.

Edward L. Powers, *Sociology*, Adolescent Friendship and the Acquisition of Sexual Experience: Small Group Correlates of Delinquent Transitions. Under the direction of Professor J. Richard Udry.

Christoph Prang, *Germanic Languages*, Semiotic Discourses and the Production of Literary Texts: Joseph Roth, Ernst Jünger, Gert Hofmann. Under the direction of Professor Clayton Koelb.

Kent J. Price, *Physics*, Characterization of the Luminescence Center in Photo-and Electroluminescent Silican Oxynitride. Under the direction of Professor Laurie McNeil.

Linda Marie Prince, *Biology*, Systematics of the Theoideae (Theaceae) and the Resolution of Morphological, Anatomical, and Molecular Data. Under the direction of Professor Clifford R. Parks.

Mohammad Saifur Rahman, *Economics*, Three Essays on the Political Economy of Development Policy. Under the direction of Professor William A. Darity Jr.

Karen Ann Randolph, *Social Work*, High School Graduation among Children in Poverty. Under the direction of Professor Mark Fraser.

Estelle Riché, *Chemistry*, Chemical Conjugation Strategies in Drug Carrier Development. Under the direction of Professor Bruce W. Erickson.

Kay Doris Rittenhouse, *Pharmacy*, Beta-Blocker Modulation of Aqueous Humor Production. Under the direction of Professor Gary M. Pollack.

Sharon Denise Robinson, *Romance Languages*, An Annotated Bibliography of Leopoldo Lugones' Prose Works. Under the direction of Professor María A. Salgado.

Michelle Lynne Rose, *Toxicology*, The Role of Kupffer Cells in the Mitogenic Action of the Peroxisome Proliferator WY-14, 643. Under the direction of Professor Ronald G. Thurman.

John Paul Samonds, *English*, "God America I": American Poetry of the First World War. Under the direction of Professor George Lensing.

Tugrul Sanli, *Operations Research*, Stochastic Models for Database Systems. Under the direction of Professor Vidyadhar G. Kulkarni.

Sandra Lee Santulli-Marotto, *Microbiology*, Autoreactive B Cell Regulation: Peripheral Induction of Developmental Arrest by Lupus-Associated Autoantigens. Under the direction of Professor Stephen H. Clarke.

Amy Elizabeth Sayle, *Epidemiology*, Sexual Activity during Late Pregnancy and Risk of Preterm Delivery. Under the direction of Professor David A. Savitz.

Elizabeth Ann Schilling, *Psychology*, Prevention of Marital Distress: A Followup Investigation of a Modified Version of the Prevention and Relationship Enhancement Program (PREP). Under the direction of Professor Donald H. Baucom.

Charles Patrick Schmitt, *Computer Science*, Recognizing Moving Objects: A Neuval Model for Solving the Temporal Binding Problem. Under the direction of Professor Jonathan Marshall.

Robert Lawrence Schopler, *Epidemiology*, Benign Breast Disease and Breast Cancer Risk. Under the direction of Professor Barbara Hulka.

Christine R. Schuler, *Epidemiology*, Panel Study of the Asthmatic Response to Short-Duration Ozone Exposure. Under the direction of Professor Carl M. Shy.

Yu Shen, *Cell Biology*, Signaling through Focal Adhesion Kinase. Under the direction of Professor Michael D. Schaller.

Gwy-Am Shin, *Environmental Sciences and Engineering*, The Reduction of Norwalk Virus in Water Treatment Processes. Under the direction of Professor Mark D. Sobsey.

David Sikkink, *Sociology*, Public Schooling and Its Discontents: Religious Identities, Schooling for Children, and Civic Participation. Under the direction of Professor Christian Smith.

Ershela Latrecia Sims, *Biomedical Engineering*, Development of a Methodology for the Kinematic Assessment of Mechanical Energy Expenditure. Under the direction of Professor Stephen Quint.

Brooke Lawson Small, *Chemistry*, A New Generation of Olefin Polymerization Catalysts Based on Iron and Cobalt. Under the direction of Professor Maurice Brookhart.

Zeric Kay Smith, *Political Science*, Building African Democracy: The Role of Civil Society-Based Groups in Strengthening Malian Civic Community. Under the direction of Professor Catharine Newbury.

Jeanne Rogge Steele, *Mass Communication*, Adolescents' Media Practice: Where the Influence of Family, Friends, School and the Mass Media Intersect to Shape Ideas about Sex. Under the direction of Professor Jane D. Brown.

Charlsena Faye Stone, *Special Educaiton*, The Effects of Leisure Education and Classroom Recreation Participation on Social Skills, Community Living Skills and Problem Behaviors of Students with Mental Retardation. Under the direction of Professor Henry Frierson.

William Ross Stott III, *English*, The Delight at the Heart of Creation: Play and Semiotics in Ecocriticism and American Nature Writing. Under the direction of Professor Townsend Ludington.

Katherine Wellesley Stovel, *Sociology*, The Practice of Discretionary Judgement. Under the direction of Professor Peter Bearman.

Jan L. Sumerel, *Biochemistry and Biophysics*, Metabolism and Activity of G1-cyclin Complexes during Sea Urchin Embryogenesis. Under the direction of Professor William Marzluff.

Candace Marie Summerford, *Pharmacology*, Cellular Receptors for Adeno-associated Virus (AAV) Type 2 Virions. Under the direction of Professor Richard J. Samulski.

Fatos Tarifa, *Sociology*, Albania's Exit from Communism in the East European Context. Under the direction of Professor Richard L. Simpson.

Barbara H. Thakor, *Biology*, Phylogenetic Relationships among the Species of Genus *Camellia* (Theaceae). Under the direction of Professor Clifford R. Parks.

Jonathan William Thornburg, *Environmental Sciences and Engineering*, Characterization of Mist Formation during Metal Machining. Under the direction of Professor David Leigh.

Stephen Andrew Timmons, *History*, The Revolution of 1688 in the West Country. Under the direction of Professor John M. Headley.

Vincent R. Torti, *Pathology*, Cellular Aging Promotes the Growth of Immortalized and Carcinoma-Derived Cells via Specific Paracrine Mediators of Stromal-Epithelial Interactions. Under the direction of Professor David Kaufman.

Donna Rose Trollinger, *Cell Biology*, Confocal Microscopic Investigations of Osmotic Shock during Ischemia/Reperfusion Injury and Mitochondrial Ca^{2+} Transients during the Contractile Cycle in Adult Rabbit Cardiac Myocytes. Under the direction of Professor John J. Lemasters.

John Robert Vance, *Pharmacy*, Biochemical and Biological Evaluation of 7-substituted-1,3-dihydroxyacridones as Mammalian DNA Topoisomerase Inhibitors. Under the direction of Professor Kenneth F. Bastow.

David Scott VanVliet, *Pharmacy*, Novel Analogs of Etoposide and Podophyllotoxin as Anti-Cancer and Anti-Viral Agents. Under the direction of Professor Kuo-Hsiung Lee.

Kevin Douglas Veal, *Physics* and *Astronomy*, Analyzing Powers of (^{6}Li,*d*) Reactions and the *D* State of ^{6}Li. Under the direction of Professor Hugon J. Karwowski.

Angelica S. Vrablic, *Nutrition*, Mechanisms of Choline Deficiency-Induced Apoptosis in Hepatocytes. Under the direction of Professor Steven H. Zeisel.

Sihe Wang, *Pharmacy*, Development of Novel Dicationic Compounds as Anti-Microbial Agents. Under the direction of Professor Richard R. Tidwell.

Susan Hastings Watson, *Nutrition*, Effects of Crucifera and Well-Cooked Meat on DNA Adducts and Colon Cancer. Under the direction of Professor Lenore Kohlmeier.

Hans Weber, *Computer Science*, Predictive Head Tracking Using a Body-Centric Coordinate System. Under the direction of Professor Gary Bishop.

John M. Welton, *Nursing*, Comparison of Patient Hospital Outcomes Using Medical and Nursing Data. Under the direction of Professor Ed Halloran.

Ying Wen, *Cell Biology*, Structural and Functional Studies of the Rabbit Sperm Protein SP-17. Under the direction of Professor Michael G. O'Rand.

Jennifer Paige West, *Neurobiology*, Morphine's Immunomodulatory Properties: Tolerance and Dependence. Under the direction of Professors Linda Dykstra and Donald Lysle.

Donna Gwen Wilkerson, *Romance Languages*, Image Technologies and Literature: The Space of the Screen in Jean Genet, Herve Guibert, and Nina Bouraoni. Under the direction of Professor Martine Antle.

Fred Madison Williams III, *Linguistics*, The Development of the 6th Class Strong Verb in Germanic. Under the direction of Professor H. Craig Melchert.

Philip C. Williams, *Health Policy and Administration*, The Impact of Medicare Reimbursement on Hospital Mergers and Acquisitions, 1988-1994. Under the direction of Professor Arnold Kaluzny.

Yi Xia, *Chemistry*, Design and Synthesis of Novel Phenylquinolone Derivatives as Antimitotic Antitumor Agents. Under the direction of Professor Kuo-Hsiung Lee.

Hongling Xie, *Psychology*, The Development of Social Aggression among Children and Adolescents: Peer Social Networks, Developmental Linkage, and Gender Differences. Under the direction Professor Robert B. Cairns.

William John Yakowenko, *Computer Science*, Propositional Theorem Proving by Semantic Tree Trimming for Hardware Verification. Under the direction of Professor David Plaisted.

Montarop Yamabhai, *Biology*, Identification and Characterization of Intersectin, a Novel Component of the Endocytic Machinery. Under the direction of Professor Brian K. Kay.

Hansong Zang, *Computer Science*, Effective Occlusion Culling for the Interactive Display of Arbitrary Models. Under the direction of Professor Dinesh Manocha.

Doctor of Public Health

Lynette Lorene Keyes, *Biostatistics*, Small-Sample Approximate F Test for Fixed Effects in the General Linear Mixed Model. Under the direction of Professor Ron Helms.

Pauline Alison Russell-Brown, *Maternal and Child Health*, Wives and Husbands' Contraceptive Knowledge and Beliefs and Pregnancy Planning Behavior in Rural Nigeria. Under the direction of Professor Cecilia Zapata.

Dina Marie Schreinemachers, *Biostatistics*, Multistate Survival Analysis. Under the direction of Professor Clarence E. Davis and Professor Jianwen Cai.

Cathleen M. Walsh, *Health Policy and Administration*, Model for Resource Allocation to Prevent Pelvic Inflammatory Disease Due to Infection with Chlamydia Trachomatis. Under the direction of Professor James E. Veney.

Betty Lynn Whitener, *Health Policy and Administration*, The Impact of Telemedicine Technology on Information Exchange and Role Expression in an Interdisciplinary Team. Under the direction of Professor Kerry Kilpatrick.

Doctor of Education

Edward Scott Adams, *Educational Leadership*, A Case Study of Teachers and Principals' Perceptions of Involvement, Influence, and Authority in Shared Decision Making. Under the direction of Professor James L. Morrison.

Teresa Herring Mozingo, *Educational Leadership*, Semi-Autonomous Work Teams: High School Possibilities. Under the direction of Professors David L. Clark and Richard C. Hunter.

Post Baccalaureate Professional Degrees • December 1998

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Juris Doctor

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Mary Helen Brutzman
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Clinton Cory Hastings
Lori Jo Lamoreaux
Henry J. Riva Palacio

The School of Medicine

Established 1879
Dean and Vice Chancellor for Medical Affairs Jeffrey L. Houpt

Doctor of Medicine

Daniel William Bradford
Gala C. Henson
Noralea E. Meiki Rose
G. Paul Singh Tiwana

The School of Pharmacy

Established 1897
Dean William H. Campbell

Doctor of Pharmacy

Jung Eun Ahn
Lora Lee Bradley
Bryan Keith Bray
Pamela Ingram Earnhardt
Melanie Lewis Evans
Marie Ann First
Terri Ann Howard
Christine Shanks Hodakowski
Teresa Teague Jackson
Angela Jones Mayo
Stephanie Marie Durham McClain
Mary S. Miller-Bell
Elizabeth Carol Oldham
Sejal Raojibhai Patel
Charles Crenshaw Pulliam
Regina Hawkins Schomberg

UNC-Chapel Hill: The First State University

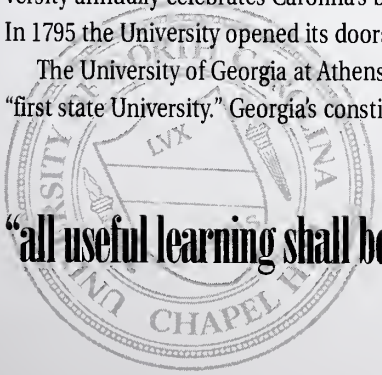
The University of North Carolina at Chapel Hill originated in the N.C. state constitution of 1776, which proclaimed that "all useful learning shall be duly encouraged and promoted in one or more universities."

Carolina's charter was approved in 1789 and the cornerstone of the first building, Old East, was laid on October 12, 1793. The University annually celebrates Carolina's birth date each October 12. In 1795 the University opened its doors for students.

The University of Georgia at Athens also claims the honor of "first state University." Georgia's constitution of 1777 lays no foundation for state-supported higher education. The university was chartered in 1785, four years before UNC, and those who claim the honor of "first state university" for Georgia refer to this date.

North Carolinians contend that a university begins not when chartered, but when students first enroll in instructional programs and use the school's facilities.

The University of Georgia did not open until 1801, six years after Hinton James enrolled as the first student at The University of North Carolina at Chapel Hill. Three years after his arrival Carolina graduated its first class.



"all useful learning shall be duly encouraged and promoted in one or more universities."

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The Graduate School

Established 1876
Dean Linda Dykstra

Master of Arts

Andrea Rene Adams
Leslie Ann Walters Adams
Jamy Malialani Albo
Steven John Andrews
Diego Argibay
Jennifer M. Ashlock
Christopher Lawrence Bartley
Martha Clare Bausch
Victoria Dodd Behrens
Frank Edward Bender
Camille Lamarr Bethea
Daniel Andrus Beus
Harihar Prasad Bhattarai
Eric John Bloemeke
Rachel Dougherty Brewster
Matthew Zvi Brown
Julia Roper Bryan
Karen Amy Burton
Bradley B. Buszard
Raymond Louis Capra II
Shema Monique Carraway
Christy Shawn Carter
Anne Jacobs Caulkins
Christopher Scott Chiron
Elizabeth Diann Clark
Michele Leigh Clark
Paul Coe Clark III
Angela Teresa Clarke
Adam John Constabaris
Erin Cathleen Core
Daniel Patrick Crowe
Patricia Jane D'Arconte
Kristin Ellen Daly
James Caldwell Davis
Brandon Joel Derfler
Andra Bess DeHart
Julie Alexandra Doring
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Sharon R. Eisner
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James Randall Ervin
David Bernhardt Estell
Sarah Marie Fain
Michael Lynn Farmer
Noel Reed Fiser
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Lisa Maria Gagliano
Jasmine M. Gandhi
Paul Bartholomew Garber
Jennifer Lee Garci
Evan Anslem Gatti
Sarah Louise Alexandra Glasco
MaryAnne Mulligan Gobble
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Tamara Lyn Graham-Voelker
April R. Groff
Chandra Yolanda Guinn
Steven Randolph Hall
Elizabeth Ann Hancock
Adrian Thorpe Harrold
Kristina Suzanne M. Harter
Aaron Bovee Hathaway
Lydia Claire Hoffman
Thomas Anand Holden
Konstandinos Chris Mart Hondros
Patricia Lynn Hooker
William Russell James
David Mark Johnson
Toshiko Kaneda
Ann Burnett Kaplan
Ekaterina Viktorovna Karelina
Maria Katherine Karres
Jeffrey Paul Kearney
Mary Frances Kerr
Charles Henry Kimpel
Thomas Leon King
Adrienne Puckette Knowles
Seth James Lambiase
Stephen Craig Lands
Mihi Lee
Marissa Gayle Lewis
Melissa Kay Liles
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Pedro Jorge Carril Lopes
Howard Ray Lucas Jr.
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Erika Lyn Manning
Challiss Elizabeth McDonough
James L. McGee Jr.
Timothy Scott McGinnis
Karen Loraine Mixon
Livia Sydel Montana
Kelley Elizabeth Moore
Sara Green Morris
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Kelly Elaine Navies
Lauren Moore Nelson
Kathryn Doris Newfont
Thomas Aldridge Newsome Jr.
Maureen Anne O'Brien
Julie Anne Odendahl
Stephanie Lynn Olson
Katherine Ann Otis
Stacy Leigh Otto
Julie Anne Palich
Louis Kendall Palmer III
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Michael Pasquarello III
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Rupesh Pradhan
Monica Nadler Prata
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Jeremy Reynolds
Sif Rikhardsdottir
Christopher Michael Riser
Alison Roberts
Erika K. Rockett
Marek Daniel Rozanski
Suzanne Jeanette Ryan
Thomas Daniel Ryder
Roger Beresford Sansom
Elizabeth Shaw
Carisa Renae Showden
Richard Gentry Shrock
Christopher Jon Simon
Shelley Wunder Smith
Tina Louise Smith
Sarah Vaughan Smithson-Compton
Muh-Chyun Tang
Christopher Reich Taylor
Margaret Fisher Terry
Colleen Mary Thomas
Dale Garth Torgersen
Jonathan Andrew Tresan
Anne Shore Tucker
Melissa M. Twomey
Elnita Totarsha Tyson
Todd David Verdun
Andrea Berger Verykoukis
Tyson King Ward
John Sebastian Warren
James Earl White
Alicia Lynn Wise
Jimmy Edward Wooden
Elizabeth Ann Zubritsky

Master of Science

Allison E. Aiello
Johann Andrew Ali
Amaury Alvarez
Emily Catherine Barrett
Peter Bertone
Tracy Marie Black
Daphne Magboo Bofetiado
William Cyrus Bradford
Matthew Hale Braun
Corey Louis Brown
Daniel John Brown
Christy J. Brush
Floyd Andrew Bullard
Floyd Andrew Bullard
Matthew Roy Campbell
Giancarlo Lawrence Cetrulo
Chao-Jung Chien
Micheal Allan Clark
Rebecca Susan Crist
Rachael Harrington Davis
Michael A. DeSpirito
Timothy Maurice Diette
Marc Hall Doolittle
Robert David Elliott
Tellis Burthorne Ellis IV
Brian Lamar Erman
Ali Reza Faiz
William Carter Franklin
Lenise Elaine Graber
Vickie Griffin-Coley
Xiaohu Guan
Thjodbjorg Gudjonsdottir
Herman Harjono
Cynthia Marie Harris
Lauren Kara Hewitt
James Scott Hixson
Melissa Lynn Hulting
David Matthew Irlbeck
Scott Compton Jenkins
Steven Charles Keith
Kwang-Soo Kim
Stephanie Rebecca Kincaid
Adam Todd Lake
Manuel Lopez
Emily Larson Luebke
Renee Maheshwari
Zia Mahmood
Vitor Pascoal Martins
Ross Patrick McKamey
James Walter McLean
Colin Andrew Mellor
Jane Holland Monaco
Jonathan Turner Moody
Lawrence Joel Moray
Peter Emmett Murphy
Julia Ann Nagle
Patrick O'Hara
Christopher Casey Pace
Santhi Periasamy
Caleb Joseph Pollock
Larry Douglas Potter
Robert William Pratt

Gregory Anthony Puccioni
Yufei Qian
Suraj Raghavan
Sridhar Ramachandran
Lisa N. Ribaudo
Brian Randall Ridley
Zeng Rong
Mihail Radu Rosu
Guy H. Roussel
Ibrahim A. Salama
Ellen Joan Scher
Todd Andrew Schwartz
Michael David Shafer
Anshu Sharma
Catherine Jane Shrier
Matthew Frederick Sidovar
Katherine Ann Sijthoff
Kathleen D. Soukup
Candyce Lynn Sparks
Jill Rene Stewart
Robin Lee Tacker
Xiaofan Tang
Gerald Theodore Tate
Tracy Louise Taylor
Deborah Jane Thomas
Elizabeth Elaine Thomson
Elena Ivanova Tzenova
Kevin Douglas Veal
Michael Yvan Wallace
Krista Anne Walter
Wen-Tung Wang
Xiaofei Wang
James Martin Ward
Emily Kate Warmoth
Dara Whalen
James Daniel Whisnant III
Teri Lee Whynman
Susan Lee Wiepert
Phillip Antoine Williams
Priscilla Anne Wolthusen
Shyi-Kuen Wu
Yu-Wen Yang
Paola Zamora
George J. A. Zarb
Chen Zhou

Master of Public Administration

Edwin Hassel Daniels Jr.

Master of Regional Planning

Jannice Ashley
Patrick Jon Duffy
Benjamin Stuart Eckblad
Kenneth Jay Guttman
Jonathan Matthew Hull
Clifford Morris Kenwood
Alexander Stephen Koenig
John David Lucero
Heidi Tolo Merkel
Andrius E. Nemickas
Henry Charles Renski
Linda Margaret Stalker

Master of Recreation Administration

Catherine Elisabeth Dorwart
Amy Elizabeth Grant

The School of Education

Established 1885
Dean Madeleine R. Grumet

Master of Education

Kathleen Lecus Anderson
Michelle Lea Barrick
Anne West Carver
Elaine Marie Cusick
Kellie Yvonne Gray-Smith
Sadarryle Allenette Hill
Barbara Ann Teagarden

Master of Arts in Teaching

Lisa Ann Goldstein
Neely Porter Gutierrez
Christopher John Harritt
Letitia Renee Moultrie
Michelle Dawn Patrick
Angela Lynne Teachey

The Kenan-Flagler Business School

Established 1919
Dean Robert S. Sullivan

Master of Business Administration

Walter Robert Adamchik
David M. Bankeroff
Michael William Brinkman
Bryan Cecil Burnett
Steven Louis Carnevale
Mark Russell Cowan
Todd Michael Davis
Dumas Haldene Dawson III
David Russell Elder
Chandler Park Francis
Robert E. Gerard
Christina Maria Guillen-Cook
Donna Lee Gutterman
Caroline Roberts Heine
Marta Lee Hilton
James Bradley Hogg
Dale Corwin Hooks
James F. Jones Jr.
Matthew R. Keffer
Dahua Zhang Kolbas
Balasubramanian Krishnakumar
Richard Earl Lantzy
Peter John Lasher
Anthony John Leszczynski
Janet S. Lewis
Jo Karen Lowman
Erika Anya Mangrum
Junius Kenneth Maxwell II
Rajan T. Mehra
Leonard Bernard Melley Jr.
Richard Hough Olofson
Jeffrey Nelson Persinger
Stephen Gerard Podolski
Arthur Lloyd Samet
Laura Ann Schoppe
Eric B. Scott
Robert Gerard Sember
Geoffrey Scott Siegel
Donald Eugene Stewart Jr.
Jacques M. Vetil
Frank Gerard Wakeham
Patrick Gerald Zaun

The School of Social Work

Established 1920
Dean Richard L. Edwards

Master of Social Work

Jennifer Anne Algire
Carmellia Thomas Bumgardner
Peggy Mclean Bynum
Emily M. Cox
Mary Susan Furches French
Larry Douglas Gillespie
Kelly Stephen Harrison
Hye-Chung Monica Kum
Patrick Liedtka
Katherine Merten Maxwell
Laura E. Mrosla
Jessica Lara Nakell
Sandra Sue Perkins
Michele Morgan Sheppard
Kim Marie Sprunck
Jennifer Hadley Tisdale
Judy Rawn Truitt
Alexandra Julia Vrtunski

The School of Information and Library Science

Established 1931
Dean Barbara B. Moran

Master of Science in Information Science

Richard Lee Altman
Maria I. Boitchouk
Patrick Timothy Bragg
Christopher Boyd Brannon
Donald Jay Cervino Jr.
Heather Patricia Chapman
Victoria Louise Edrington
Gary Kevin Geisler
Yi Huang
Matthew Louis Jordy
Valeria Xavier Nasir
Shawna Reynae Schnorr
Richard Joseph Thornett
Danhong Amy Yang

Master of Science in Library Science

Scott Douglas Adams
Amie Louise Barto
Brent Thomas Bianchi
Heather Ann Bumbalough
June Darlene Carter
Michael Alan Cummings
Elizabeth Strider Dain
Carl Joaquin Danis
Pamela Selden Durgom
Kevin Dean Farley
Dare Hester Fortner
Lisa T. Greenbaum
Kimberly Jo Hoover
Caroline Keizer
Steven Richard Kelley
Kimberly Ann Kingsley
Meghan Deidre O'Shaughnessy
Lisa Kerstin Odum
Lisa Faye Rockwell
Emily Caroline Sadar
Terry Ann Wise

The School of Public Health

Established 1939
Dean William L. Roper

Master of Public Health

Jennifer Anne Algire
Michelle Louise Arnaudy
Semra Asefa
Nicole Suzanne Bennett
Eric Daniel Bernstein
Ingrid Bilan
Michelle M. Bode
Margaret Maybin Boozer
Ingrid Edmond Bou-Saada
Jane Helen Brice
Kathy Cahill
Srobona Tublu Chatterjee
Rodney Clark
Tara Nicole Cox
Barbara Ann Davis
Dilsey Marie Davis
Luther Joshua Davis III
Gary L. Duhon
James Edward Emery
Stephanie Jean Evers
Nishan Hesiri Fernando
John R. Feussner
Grant Selmer Fletcher
Joseph Anthony Guzzo
Lorrie Harris-Sagaribay
Michele Lanette Heidel
Benjamin Yu-Bin Huang
Miriam K. Jernigan
Scott Edward Joens
Diane Renee Johnson
Timothy J. Joos
Catherine Pascoe Kaminetzky
Roy Jung Woo Kim
Abhijit V. Kshirsagar
Wendy Gwirtzman Lane
Janice Slayman Lawlor
Jennifer H. Lee
Patricia Zukowski Louie
Elizabeth P. Mahanna
Kenric Allen Maynor
Desiree Monique McCarthy
Janet Lynn McCauley
Suki Anne McClatchey
Andrea Susan McCurry
Christie Raquel McKay
Marian Patricia Mehegan
Noel Tan Miquiabas
Ana Cristina Mon
Teresa Laster Morton
Thomas Matthew Motyka
Laura E. Mrosla
Alan Bautista Muriera
Mary Deanne Mustian
Jessica Lara Nakell
Jacqueline W. Ossi
Penelope J. Padgett
Alice Kinsman Page
Konstantinos Andreas Papas
Alan Guy Parham
Amy Allen Pearson
Christopher Jay Phillips
Marya Plotkin
Kathy Lynn Radimer
Michael J. Sage
Isil Saib
Karen Elizabeth Schetzina
Cherryel Sink Scurry
Arlene Carmela Sena-Soberano
Meredith Ann Smith
Kim Marie Sprunck
Robert George Stea
James Harold Szymeczek
Carl Raisonne Tahn
Margaret Elizabeth Tipton
Jennifer Hadley Tisdale
Stephanie Ann Triantafillou
Amanda C. Trimpey
John Harrison Wood

Master of Science in Environmental Engineering

John Winston Baise
Steven Jennings Cook
Catherine A. Hughes
Eric James McCann
Caroline Medley

Master of Science in Public Health

Dana Bonas
Mercedes Renee Carnethon
Shana Chase
Latonya Wyvette Danzy
Ashley Sue Dodson
Michael Joseph Holland
Kristin Hollis Jacobson
Wei Jin
Julie Ann Monahan
James Pierce
Leah Beth Quinn
Eric Edward Rainey
James Kevin Stanton

Master of Healthcare Administration

Rana Zahoor Ahmed
Laura Anne Bailey
Jessica Rachel Barr
Linda Louise Harris
Amy L. Keller
Spencer A. Kowal
Patrick William Mehringer
Kevin Wayne Orndorff
Donna Coker Shane
Etta Porthe Sharfuddin

The School of Nursing

Established 1950
Dean Cynthia M. Freund

Master of Science in Nursing

Valeria Mann Andrews
Terry Charles Ashby
Frances Anderson Ballard
Kathleen M. Baluha
Patricia Garrett Bernstein
Debra Neblett Blackwell
Angela Bullock
C. Sue Byles
Carolyn Jean Carter
Susan Lynn Feinberg
Kristin Kathleen Freshwater
Shepeara Kayonne Hall
Judith Hallock
Linda Louellen Hopp
Sylvia Monteith Ledford
Amy J. Lee
Molly McGlamery-Pickens
Virginia Allan McNair
Ginny Walker Middleton
Frank Douglas Moore
Teresa Napier
Patricia Diane D. Nielsen
Jill Kimesia Burleson Nuckolls
Shannon Waters Pennell
Julia Hardison Pjetraj
Carol Elizabeth Powell
Ruth Black Raffield
Deborah Beavers Roberson
Christie Furr Roeske
Cheryl Denise Rudnicke
Kim Houser Rufty
Helen Marie Shamek
Tamara Forrester Strickland
Helga Sveinbjornsdottir
April Griffin Thomas
Cindy Michelle Thrower
Jan Winsome West
Betty W. White
Elizabeth Owle Wiggins
Sophie Williams
Michael Brent Wiseman
Diane Marie Yorke

Origin of the University Colors

As symbols of unity among Carolina students, alumni, and fans, the school colors of light blue and white were first used around 1800 to distinguish between members of the Dialectic and Philanthropic Literary Societies. Throughout the nineteenth century, students were required to be members of either the Di or the Phi. The Di's color was light blue, and the Phi's was white.

At University commencements, balls, and other social events, the student officials, managers, and marshals wore the color of their society, blue or white. Because the Chief Marshal or Chief Ball Manager represented the whole student body, not just his society, he wore both colors.

When the University fielded its first intercollegiate athletic teams in 1888, the question of what colors to wear had already been answered. Light blue and white had come to symbolize membership in the University, not in a single society.

Light blue and white have been considered the University's colors for more than a century. With the tradition so firmly established, a popular bumper sticker states that God must be a Tar Heel because he made the sky Carolina Blue!

Candidates for Baccalaureate Degrees • December 1998

The College of Arts and Sciences

Established 1795
Dean Risa I. Palm

Bachelor of Arts

Afro-American Studies

Anthony Eugene Braddy
Mary Dwan Covington
Antawn Cortez Jamison
Kimberly Deloris Roberson
Shuphora Sherrod

American Studies

Joshua Gilbert Britt

Anthropology

Martha Isabel Casero
Annette Marie Conard
Alexis Hillary Frankel *
Charles Huggins Helms III
Christina K. Inness *
Eleanor Jay Iselin
Joshua Oran Tewell
Sunny Michelle Vestal
Anna Elizabeth Vick *

Art History

Jane Anne Duncan
Lara Emilee Knight
Bouakham Mounethavinh
Demetrios Steven Ponns
Mary Chastaine Post
Chantal Henrietta Pundsack

Asian Studies

Jonathan Yoshiro Blosser

Biology

Hans Christian Andersen
Therese R. Barrett *
Aaron Paul Berry
Dana Kathryn Brown
Jonathan Eugene Bruns
Christopher Nathan Burgess
Jennifer Hayley Carpenter
Amy Marie Clemmons *
Jennifer Leigh Comisky
Marc A. Cruciani
Amy Koren Cummings *
Kelley Bores Deeny
Megan Duncan Edwards
Christine Ann Higby
Amy Elizabeth Hower
Ryan Albert Kalooky
David Ethan Lee +
Tiffany C. McCoy
Mary Ann Russo
Laurie J. Schultz
Susan Norwood Selby
Lucinda Joan Stott
David Rodwell Whetstone ++
Cary Daniel Wright Jr.

Chemistry

Derek Shoffner Allison *
Kyu Dong Choe
McFerrin Justin Falck
Sherill Lynn Odell
Jonathan Michael Thomason
Brian Scott Uthlaut *
Matthew Wojciechowski

Classics

Sara Elizabeth Manning *

Communication Studies

Christopher Brian Allen
Brandon Charles Atkins
Seth Tyson Barrow
Tiffany Lynn Bashore
Tia KaSaun Bost
Cedric Michael Bullock
Denise Lea Burgess
Brendan Ethan Carey
Charles Michael Clayton Jr.
Kimberly Katherine Clayton
Kevin Mark Davidson
Dana Cameron Deason
Phillip Montanaye Demby
Louis Andquan Dillard
Kevin Dorset Earle
Carrie Dawn Faulk
Bruce Lethanal France
Jennifer Lynn Gardner
Jill Elizabeth Gilleland
Mary Elizabeth Griffith
Tracy Lynne Handwerk
Kevin S. Hanna *+
Matthew Brian Haverkamp
Carlin Grace Henry *
Cassandra Dee Hilburn
Lucy Smith Hobbs
Jennifer Gray Hume
Courtney Ann Hunter
Alexander Clark Jones
Marcus Edward Jones
Joy Stephanie Law
Claire Lewis Lindley
Brian Michael McGuire
Wyatt Cenac McQuilkin
Matthew J. Miano
Tangia Douglas Millsap
Malvin Earl Moore IV
Jeremy England Morris
Frank Michael Nocito
Heather Shannon O'Quinn
Evan Lee Overton
Elissa Gray Pearson *
Emmanuel Bernard Petit
Monica La'Dale Richard
Amy Elizabeth Richardson *
Joseph Lee Roberts
Marcus Adrian Roberts
Tricia Monique Robinson
LaKeisha Nicole Katina Rodman
Joseph Bradley Sams
Robert Colburn Shepard
L. Vincent Shoals
L'Tryce Moni Slade
Deanna Marie Smith
Scot Douglas Stilley
Brian William Streich
Ralph Raywood Sullender
Banici Nicosia Townsend
Heather Leigh Travers
Andrea Rachael Uthe
Akira Toriette Vaughns
John Haskiel Watkins
Kimberlee Vae Watkins
Wendy Dawn Whitener
Kai Kirksey Zander

Comparative Literature

Victor Calderin *

Dramatic Art

Laura Michelle Blake *
John Dwyer Dillon
Amy Lynn Stewart

Economics

Bradley Paul Aldridge *
Kalpesh Madhusudan Amin
Matthew Clayton Andrews
Thomas Brady Arnold
Anson Edmund Ashby
Nakisha Renee' Boulware
Gregory Albert Braun *
Andrew Douglas Davis
Jason Andrew Hartsough
Raymond Hernandez
Constantine Curtis Hingson
Rebecca Kathleen Holland
Ann Marie Houston
Benjamin Chadwick Johnson
Brian Mack LeFevers
James Michael Lowell
Amy Darlene Manolis *
David Fox Mason
Dominic Daniel Moro
Gretchen Ann Overgaard
Gary Alan Rains
Mouhameth Rassouloulaye Sall
David Alan Scully
Brent Allen Sowul
George Alfred Webster Jr.
Christopher Shore Weeks
Jason David Wright

English

Parag Mahendra Amin *
Mary Elizabeth Ashworth
Rebecca Irene Atkinson
Melinda Beth Barker
William Stewart Beall +
Marvis Lamont Brown
Gregory John Caiola
Lillian Emma Craton *++
Brian P. Erickson
Gina Elisa Essey
Elizabeth McKay Eubanks
Ingrid Mara Filatovs
Benjamin Scott Florin
Seth David Freedman
Django Mason Gilligan
Katherine Styles Grace
Sarah Kathryn Haney
Anna Michele Hayes
Edith Annette Hopkins
Aprilia Elizabeth Hubbard
Joseph Michael Keenan
Susan H. Kim
Karie Ann Krueger
Elizabeth Ann Law
Michael Edward LaPorte
Shontavia Letricia Lee
Stephanie Britt Little
Rodney Julian Morgan
Erin MacDonald Mulqueen
Paul William Murphy
Thomas Long Oakley
Donald Alexander Palms
Patrick Michael Paus
Melissa Terrazas Perez
Sarah Naomi Reitmeyer *
David Landon Sherlin
William Bradley Smith *+
Sarah Elizabeth Vanmeter
William Harvey Vaughan III
Rebecca Hadley Watson
Merri Heather Williams

** Indicates probable candidates for degrees with distinction or highest distinction based on GPA going into final semester.*

+ Indicates Honors recipients.

++ Indicates Highest Honors recipients.

French

Jennifer Michele Brim

Geography

Jessica Faith Blevins
Thomas Wilkerson Corbett
Anna Laura Felts
Jeffrey Michael Horney
Amy Lynn Kane
Michelle Bateson Lown
James Grant McCormick
Jack Christophe Pileggi
Nora Emily Rogers *
Jeremy Stancil Sessoms
Katherine Anne Taylor

Geology

Dara Michelle Lum

German

Donna Alice Cunningham *
Lee Meridith Fulton *+

History

Cristina Elizabeth Casado
Christopher William Clark
Michael Lynn Craig
Sarah Elizabeth Donovan *+
David Andrew Ehlers
Christopher Charles Fisher
Penny Denise Fuller
Miguel Dolan Gomez
Samir Hanef
Elizabeth Earle Johnson
Corbett Byrum Jones
Adam Robert Josephson
Jason Alan Lail
Christopher Edward Lambert
Amina Aisha Mack
Joseph Allen McCullough
Tucker Gerard McWeeny
Jessica Lea Messer
Julia Bryson Mills
Gayle Yvette Murrell
Maura L. O'Donoghue
Michael Angelo Parise *
David Kenneth Pye
James Brittan Sharpe
Michael David Tolley
Arthur Robinson Tyler Jr.
Michael Anthony Verano
Kyle Rudolph Waldner
Keri Alexander Waldrop

Industrial Relations

Elizabeth Ann Bilodeau
Hope Falls Brown
Heidi Elizabeth Burris
Thomas Braden Covington
Brian Charles Daughtry
Eric Alan Ferris
Michelle Allison Fuquay
Richard Jason Hall
Charlton Bryan Hudson
Catherine Marie Leahy Koch
Daniel L. Kulenic
Jessica Dianne Leonhardt
James Daniel Lilley Jr.
Kenneth Wayne Long
Brian John Mascia
Virginia Erin McCormick
Bradley Craig Neigel
Sperby Mae Piner III
Tony Sowandee Pough
Terrence Ray Scarborough
Christian Robert Sevick
Christopher Jason Stoecker
Janice Marie Taylor
Christopher Mark Thomas
Cameron Bradley Turner
Grant Douglas Verhaeghe
Donna Renee Watson
Matthew Houston Weller
Ragan Elizabeth Wheeler
Frank Todd Whitlow
Rodney Ned Wilson
C. I. Brook Wood

Interdisciplinary Studies

Sarah Austin Bruce
Peter Cheng-Yi Lee *
David Pleasant Teague ++

International Studies

Daniel Brian Conway
Kristen Alexis Dunivant
Veronica Lynn Edmisten
Susan Elizabeth Hampton
Kristen Danielle Kirby
Sarah Conant Martin
Sylvia Lolita Mauney
David Jordan Mooring
Francis Lloyd Payne
David Orth Reckford
Jonathan Lynn Sellers
Sarah Pezdek Wike

Latin American Studies

Erin Nicole Fox
Blondine Knelsen

Leisure Studies and Recreation Administration

Sarah Michaele Autry
Ricky Antonio Barden
Anita Gwen Carmac
Lindley Ann D'Alonzo
Aimee Jennings de Guehery
Michael Anthony DeLucia
Sherry Ann Fairman
Jill Agnes Gillespie
Amy Graham Ratcliffe
David Jason Reynolds
Leo Charles Ricks III
Tara Jean Sackmann
Heather Louise Stott
Shannon Elisa Wiehe
Gretchen Elizabeth Willard
Earl Sylvester Winfield
Jana Leigh Withrow

Mathematics

Victoria Ann Allen
Terri Lee Edge *
Randall Edward Johnson
Deborah Ann McDermott
James Sinclair Pope
Per Martin Wickman

Music

Lisa Amanda Furukawa
Kevin Matthew Morris

Peace, War, and Defense

Rachel Lucille Emanuel
Troy McDonald Gray
Constantine T. Michalopoulos
Aimee Joann Walker

Philosophy

Alan Benjamin Baggish
David Benjamin Brown
Lawrence Ray Buchanan Jr. ++
Mark Edward Carlson
James Michael Klingler
Charles Alan Pettigrew
Dawn Maureen Reilly
Alex Gilbert Stevens
Scott Carrington Woodard

Physical Education

Christopher Wayne Barnes
Shawn M. Best
LaTosha Franzina Britt
Anthony Cecil Burton
Jessica Christine Eaton
Eric Devereaux Evaul
Teresa Nicole Ferguson
Laura Kathryn Foster
Donovan O'Neal Garner
Amy Michele Gibson
Derek Lance Gibson
Matthew Ryan Haley
Kevin Scott Hammons
Carrie Ann Hawkins
Erin Laura House
Stacy Diane Jones
Patrick Armand Kranick
Brandon Scott Mangum
Kristina Dawn Poulos
Michael Charles Pringley
Jorge Raimundo Rios-Marti
Melissa Ruth Rosetta
Erin Gray Segars
Anesha Nicole Smith
David A. Smyth
Scott Kenneth Stay
Paul Frederick Stephens
Christopher Dustin Stoen
Marghretta Wood Uritus

Political Science

Tracy Marie Allman
Ronald Steven Campbell
Maria Cristina Cardenas
Colleen Frances Cassidy
Sherry C. Cross *
Amelia Elizabeth Danz
James Edward Drake III
Catherine Page Dunn
Juan Arriaga Echeverria
Christopher Dale Edwards
Kelly Graham Edwards
Annie Doris Ellison
Tracie Elizabeth Fowler
Beverly Ann Godard
Bradley Stephen Hunt
David Lynn Ivey
Anna Saxon Jett *
Duane Omar King
Ryan Ashley Kohart
Sara Brandon McClure
William Anderson Newell
Mandeep Singh Randhawa
Todd Matthew Reavis
Richard Brendan Reeve
Lesleigh Reinfried
David William Rogers
Jennifer Michelle Spruell
Michael Robert Warner
Britt Franklin Wright

Psychology

Marina Jo Acosta
Shauntoni Adenike Adeogun
Yaa Boaa Aning
Paige Florine Barnette
Christopher Ryan Benton
Dawn Michelle Broadnax
Ann Jacobi Brown *
Scott Ryan Brown
Jennifer Lynne Bryan
Richard Buchikos
Siera Sheriar Ciocci
Rhonda L. Cirillo
Jennifer Dawn Clayton *
Danna Coel Danieley
Robin Annette Davis *
Caroline Peyton Dildy
Daniel Ducannon Eidson
Laura Anne Epting
Nissa Portia Floyd
Jennifer Ann Flynn
Rachel Bowden Green
Laurel Christine Hansen

Nancy Brooks Holland
Thomas Jason Huckabee
Peter James Hynes
William Lee James
Kari Ann Jarchow
Lincoln Jay Jenkins
Erin Elizabeth Jolley
Melanie Nicole Joyce
Megan Rose Kempert *
Nandini Khaund
Melissa Jean Kopp
Dana Michelle Kroll
Jack Wei Lam
Dorene Marie MacKinnon
Mary Heather McKay
Scott Ryan Morgan
Anna Nikolaou
Valla Reza Nikrooz
Marla Corynn Page
Stewart Thompson Patterson II
Cindy Johnson Phillips
Ashley Michelle Proctor
Sarah Marie Pryor
Jessica P. Richards
Courtney Elizabeth Riley
Catrice Donyal Rogers
Amy Kathleen Sawyer
Laura Lynne Scarborough
David Gabriel Schechner
Stacey Elizabeth Schweighart
Chrystal Latisha Sharpe
Dayna Leigh Slyman
Barbara Anne Smith
Melanie Lynne Starke
Laura Meadows Stephens
Regena Michele Stewart
Alice Stillson
Andrew Scott Teel
Lisa Anne Thivierge
Katharine Jane Thompson
Ugonna Carol Ukwu
Taranda Salese Vann
Mary Catherine Wakeford *
Lisa J. Warfield
Patricia Erin Watkins
Kristen Nicole Zimmerman +

Public Policy Analysis

Michael James Coble
Amanda Joy Henline
Avil Latonia Holmes
Warren Scott Jones
Ada Wai-Ting Ng

Sociology

Patrick Henry Alston
Holly Ann Birnbaum *
Kimberly Anne Briggs
Polly Suzanne Davis *
Franklin Cordell Moore
Deidra LaShawn Nivens
Corinna Marie Romero
Michelle Marie Temple
Leslie Dawn Vandiviere
Crystal Dawn Woodruff

Spanish

Scarlet Caroline Anthony
Lorie Donna Bass
Jesica Valeria DiCione
Kelly Brannen Harper
Andrea Lenore Rosenberg
Elizabeth B. Tiller

Studio Art

Robert Eric Bishop
Yukari Nitta
Daniel Ruffin Parrish
Timothy Justin Sigmon

Bachelor of Fine Arts

Jesse Joseph Green
Amme Elisabeth Maguire
Sabrina Nikia Tillman

Bachelor of Music

Jason Joshua Karn
Karen Rochelle Pfister

Bachelor of Science in Applied Science

Brandon Christopher O'Daniel

Bachelor of Science in Biology

Joshua Jongpeal Ahn
Adam Zachary Atkins
Amanda Leigh Barker *
Daniel Juris Barzdins
Tonya Deneise Brown
Thanh Ngoc Bui
Dori Aden Carpenter
Chad Eric Cecil
Renee Cooper
Giuseppe Ciro D'Agostino
Adam Lloyd Davis
Daniel Siegfried Dunston
Christopher Daniel Eller
Andrew Alonzo Fernandez
Natalie Paige Fleming
Holly Robbins Gentry
Aubrey Guy Graham III
Michael Jason Hatley
David Benjamin Hoffman ++
Carol Ann Johnson
Heather DeAnne Kappler
Jeannie GiEun Lee
Benjamin Louis Levenson
Aaron Gavin Meng
Catherine Denise Metheney
Karen Wolak Murray
Russell David Nugent
Alesia Noelle Read
Maureen Alice Rolls
Betsy Lynn Salsbury
Christian Allen Sell *
Jason Lynn Sharpe
Crystal Lynn Shaw
Christy Jo Smith
Jennifer Kathryn Stuart
Bronco Aurelius Suzuki
Michael Bradford Townsend
Shaune' Nicole Walters
Jennifer Ann Warren *
Torian Lashette Williams
Susan Elaine Williamson
Jason Michael Winkler

Bachelor of Science in Chemistry

Yara Mariam Audeh *++
Martin Joseph Butler *
James Lane Chadburn
Michael Greg Jones
Kevin Stuart Kirkland
Muriel Loretta McKoy
Scott Alan Schwartz
Allyson Courtney Shelman
Jeremy David Slessman
Felicia Marian Wu

Bachelor of Science in Geology

Sarah Lynn Brubaker
Carolyn Jean Fawsett
James Philip Rosselle
Ryan Zane Taylor

Bachelor of Science in Mathematical Sciences

Anthony LaShawn Alston
Matthew Wade Blanchard
Douglas Andrew Braithwaite
Daniel Victor Fisher
Ryan Patrick Gleason *
Ana Grohovac
Eric Matthew Hill
Lan April Holtsclaw
Wook Kim
Joshua Gilbert Martin
Tamar Pandi
Mary Rachel Pearce
Jason Witzler Purdy
James Eric Schatz
Wayne Burton Wall II
James Patrick Wallace
Mark A. Weissman *

Bachelor of Science in Mathematics

Dan Yasaki *

Bachelor of Science in Psychology

Allison Colleen Farrar
Sarah Dyanne Johnston
Rashad Emir Kurtz
Amanda Nicole Mitchell
Joshua James Norrell
Jordan Catherine White *

The School of Medicine

Established 1879
Dean and Vice Chancellor for Medical Affairs Jeffrey L. Houpt

Bachelor of Science in Clinical Laboratory Science

Victoria Louise Best *
Eun Hae Lee
James Patrick Lynch

Bachelor of Science in Radiologic Science

Maria Luisa Sardinas

The School of Education

Established 1885
Dean Madeleine R. Grumet

Bachelor of Arts in Education

Laura Elizabeth Davis
Lenwood Sherill Dean Jr. *
Amanda Lynn Justus
Jennifer Nicole Smyth

The School of Pharmacy

Established 1897
Dean William H. Campbell

Bachelor of Science in Pharmacy

Thi Khoa Do
Heather Hager Rhyne

The Kenan-Flagler Business School

Established 1919
Dean Robert S. Sullivan

Bachelor of Science in Business Administration

Bradley Neal Adkins
Clayton Matthew Armstrong *
Kamal Abdallah Barakat
Jill Marie Becker
Allison Brianna Canner
Stephen Walter Daniels
Michael William Dyer
Devin Alexander Ellis
Erik Robert Erwin
Annabelle Rovillos Fernandez
Olga Yakovlevna Freidzon *
Jamie Ann Gile
Russell Scott Haislip
Maher Aziz Hanna
Anne Marie Harris
Christopher Scott Hobart
Allison Reid Hobson
Karl Kriss Patrick Hughes
Jonathan Randolph Jones
William Patrick Langdon
Tempie Gray Kitchin
James Evan Kulka *
Michael Russell Maier
Scott Huntleigh McAllister
Megan Kolbi Morgan
Lyssa Joy Perryman *
Meghan Erin Phillips *
Catherine Machalie Sage
Matthew Damon Tingler
Melanie Tomlinson Townsell
Georgette J. Vrany
Sarah Poe Waskow
Jill Stuart Yang

The School of Journalism and Mass Communication

Established 1924
Dean Richard R. Cole

Bachelor of Arts in Journalism and Mass Communication

Jennifer Emily Bernau
Jack Dennis Bollinger
Katherine Jane Brown
Jennifer Ann Burleson
Tammie Colette Carpenter
Danielle Marie Chitwood
Brian Nicholas Clement
Colleen Helen Clement
John Leventis Collias
Angel Nicole Dale
Jeremy Scott Doetsch
Darren Michael Farrell
Kristi Lynn Geercken
Laura Elaine Gilbert
Jennifer Jo Harrelson
Boris Erwin Hartl
Phillip Wayne Hayes
Timothy Christian Helms *
Laura Ellen Jordan
Rance Clinton Kiger
Stacey Leigh Kirby
Amy Kristen Massengill
Joseph Norman Miller Jr.
Sandra Ashley Moore
Regina Oliver
Michelle Leah Parent
Juni Meridyth Park
Antoinette Renee Parker
Amal A. Sabi
Stephanie Monee Shaw
Mary Lee Shirley
Jennifer Kate Shore
Julie Ann Smith
Sarah Catherine Stockton *
Kara Marie Thompson
Kurt Michael Tondorf
Lauren Elizabeth Williams
Thomas Richard Yackley
Heidi Rae Yates

The School of Public Health

Established 1939
Dean William L. Roper

Bachelor of Science in Public Health

Mara Caitlin Cusker *
Leon George Jackson III
Thomas Lang Murray
Zishan Mustafa
Sunny Brooke Snider

The School of Nursing

Established 1950
Dean Cynthia M. Freund

Bachelor of Science in Nursing

Jana Michelle Brooks
Pamela Lucille Davis
Elizabeth Maynard Doles
Maria Lorraine Javelona
Nancy Anne Lawson
Kristina Jo Marsh
Richard Scott McGuire
Brandi DeAnne Smith
Hallie Oma Taylor
Janet Morrison Turner
Nancy Wang

December 1998 Commissioned Officers

United States Army

McFerrin J. Falck
Wayne B. Wall II

United States Navy

Joshua G. Martin
Michael S. Mitchell

United States Air Force

Erin L. House
Kristin D. Kirby

Chartering the University

The first state constitution of North Carolina, ratified in 1776, called for the creation of one or more universities to encourage and promote "useful learning."

But the University was slow in coming. A bill introduced in the state legislature in 1784 to establish "North Carolina University" was defeated because many people feared that the proposed university could become an aristocratic bastion against the state's common people. Similar fears led North Carolinians not to ratify the U.S. Constitution when the state first voted on it in 1788. Many feared that the strong central government proposed by the Constitution might endanger the rights and liberties of the common people.

Many state leaders demanded that a Bill of Rights guaranteeing those liberties be added to the Constitution and late in the summer of 1789 Congress passed the amendments that became the Bill of Rights. On 21 November 1789 North Carolina delegates meeting in Fayetteville ratified the Constitution.

William R. Davie, who had helped write the United States Constitution and had urged his fellow North Carolinians to accept it, turned the attention of the General Assembly, also meeting in Fayetteville, to higher education. Davie proposed a bill to establish and charter a university, noting in the bill's preamble that "in all well regulated Governments, it is the indispensable duty of every Legislature to consult the Happiness of a rising Generation, and endeavor to fit them for an honorable Discharge of the Social Duties of Life, by paying the strictest attention to their Education."

The Federalist spirit of the General Assembly swept through the meeting of the North Carolina delegates, and Davie's bill was enacted on 11 December 1789.

Graduate Degrees • August 1998

The Graduate School

Established 1876

Doctor of Philosophy

Peter Wallace Brannen Alward, *Philosophy,* Believed World Semantics. Under the direction of Professors William G. Lycan and Keith Simmons.

Michael Robert Asam, *Chemistry,* Characterizing Biomolecules via Mass Spectrometry. Under the direction of Professor Gary L. Glish.

Young-Ja Bae, *Political Science,* Globalization, Institutions, and Industry Development: A Case Study of the Personal Computer Industry in Korea and Taiwan. Under the direction of Professors Evelyne Huber and Gary Gereffi.

Eric Barnes, *Philosophy,* Cooperation and Trust: Puzzles in Utilitarian and Contractarian Moral Theory. Under the direction of Professor Michael D. Resnik.

Mark Oldham Barnett, *Environmental Sciences and Engineering,* Formation and Stability of Mercuric Sulfide in Subsurface Environments. Under the direction of Professor Philip C. Singer.

Mark Alexander Beck, *Classics,* Plutarch's Use of Anecdotes in the *Lives.* Under the direction of Professor Philip A. Stadter.

Emily Simms Bingham, *History,* Mordecai: Three Generations of a Southern Jewish Family, 1780-1865. Under the direction of Professor Donald G. Mathews.

Tonya Boone, *Business,* An Exploratory Study of Embedded Services in Manufactured Products. Under the direction of Professors William Fischer and Curtis McLaughlin.

Carl D. Bortner, *Philosophy,* A Role for Cell Shrinkage and Movement of Ions in Apoptosis. Under the direction of Professor John A. Cidlowski.

Cynthia Jones Bowling, *Political Science,* Bureaucrats in the Budget Process: Explaining Administrative Preference for Expansion. Under the direction of Professor Deil S. Wright.

Sherry Diane Broadwell, *Psychology,* The Impact of Marital Interaction on Cardiovascular Response. Under the direction of Professor Kathleen C. Light.

Bates Campbell Buckner, *Health Policy and Administration,* Family Planning Program Effects on Method Awareness, Contraceptive Use and Fertility: Revisiting Evidence from the 1980s. Under the direction of Professor James E. Veney.

Karen Elaine Bruhn, *Religious Studies,* "What these seemers Be": Calvinist Concepts of Identity and Measure for Measure. Under the direction of Professor Peter Kaufman.

Elaine Otto Burgwyn-Bailes, *Psychology,* Children's Memory for a Traumatic Event after One Year: An Examination of Individual Differences and Recall, Suggestibility, and Narrative Consistency. Under the direction of Professors Janis Kupersmidt and Lynne Baker-Ward.

Colin Sanderson Burns, *Chemistry,* Time-Resolved Electron Paramagnetic Resonance Studies of Transient Peptide Biradicals Generated by Intramolecular Electron Transfer. Under the direction of Professor Malcolm D. E. Forbes.

Su-Yin Chiang, *Environmental Sciences and Engineering,* Mutational Spectrum, DNA Adduct Formation and Repair Associated with Exposure causing Etheno Adducts. Under the direction of Professors James A. Swenberg and Thomas R. Skopek.

Amy C. Clark, *Classics,* Euripides in a Comic Mirror The Tragodoumenai. Under the direction of Professor Kenneth J. Reckford.

Rachel Tafel Cox, *Genetics and Molecular Biology,* A Genetic Approach to Understanding *armadillo* Function in *drosophila.* Under the direction of Professor Mark Peifer.

Shyra J. Crider-Miller, *Pathology,* Identification of Candidate Pediatric Tumor Suppressor Genes on Human Chromosome 11P15.5. Under the direction of Professor Bernard E. Weissmann.

Jennifer Davis, *Environmental Sciences and Engineering,* Assessing Community Preferences for Development Projects: Does Mode Matter? An Application of the Household, Intercept, Telephone, and Focus Group Interview Methods. Under the direction of Professor Dale Whittington.

Fidel Del Toro Jr., *Pharmacology,* Turkey ß-Adremergoc Receptors: Search for a Mammalian Homologue of a Novel Turkey Receptor and Desensitization of the Turkey $ß_2$-Adrenergic Receptor. Under the direction of Professor Robert A. Nicholas.

Amy DeRogatis, *Religious Studies,* Moral Geography: The Plan of Union Mission to the Western Reserve, 1787-1833. Under the direction of Professor Laurie F. Maffly-Kipp .

Andrew Walling Drake, *Chemistry,* Towards Single Protein-Membrane Kinetics Examined with Total Internal Reflection. Under the direction of Professor Nancy L. Thompson.

Jonelle Katherine Drugan, *Biochemistry,* Interactions between the RAF-1 Cysteine-Rich Domain and RAS, 14-3-3 Proteins, Phosphatidylserine, and Other Regions of RAF-1 are Important for RAF-1 Activation. Under the direction of Professor Sharon L. Campbell.

Lars Olav Erickson, *Romance Languages,* Metafact: Essayistic Science in Eighteenth-Century France. Under the direction of Professor Carol Sherman.

Shahla K. Farhat, *Environmental Sciences and Engineering,* Development of a Prototype Rapid Scanning CAT-FTIR Industrial Imaging System for Tomographic Mapping of Indoor Air Contaminants. Under the direction of Professor Michael Flynn.

Michael F. Fiore, *Psychology,* Interpersonal Stress, Coping, and Adjustment in a Adolescent Inpatient Sample. Under the direction of Professors Frank Floyd and Arlane Margolis.

Julie Mae Flowerday, *Anthropology,* A Construction of Cultural History from Visual Records for the Burusho of Hunza, Pakistan. Under the direction of Professor James L. Peacock.

Hal Foster, *Journalism,* The Evolution of Japan's Press Club System. Under the direction of Professor Mary Alice Shaver.

JoEllyn Murillo Fountain, *Political Science,* German Federalism and European Intgration: The Evolution of a Multi-Level European Polity. Under the direction of Professor Gary Marks.

Denise L. Gammonley, *Social Work,* Social Support in a Lay Helper Intervention for Older Adults with Severe Mental Illness. Under the direction of Professor Anne-Linda Furstenberg.

Stephen Paul Gant, *Information and Library Science,* Information Filtering of the Congressional Record: Explaining Variation in Adoption and Intensity of Use. Under the direction of Professor Evelyn Daniel.

William H. Geist, *Physics and Astronomy,* The $^3He(d,p)^4He$ Reaction at Low Energies. Under the direction of Professor E. J. Ludwig.

Cynthia Ina-Marie Gerstl-Pepin, *Education,* Cultivating Democratic Educationhal Reform: A Critical Examination of the A+ Schools Program. Under the direction of Professor Catherine Marshall.

Margaret Gail Gillespie, *Geography,* Havens for the Fashionable and Sickly: Society, Sickness and Space at Nineteenth-Century Southern Spring Resorts. Under the direction of Professor Wilbert M. Gesler.

David Daniel Glick, *Physics,* Optical and Scanning Probe Microscope Studies of Polymer Spreading. Under the direction of Professor Richard Superfine.

Steve Goddard, *Computer Science,* On the Management of Latency in the Synthesis of Real-Time Signal Processing Systems from Processing Graphs. Under the direction of Professor Kevin Jeffay.

Carol L. Hanchette, *Geography,* The Geographic Modeling of Lead Poisoning Risk in North Carolina. Under the direction of Professor Melinda Meade.

Deana Marie Hapke, *Pharmacology,* The Role of Deoxycytidine Kinase and Deoxyguanosine Kinase in the Phosphorylation and Activation of Various Nucleoside Analog Drugs: Results of Overexpression on Drug Sensitivity. Under the direction of Professor Beverly S.Mitchell.

Luis Hernandez, *Biomedical Engineering,* Validity of the Steady State Model for Arterial Spin Tagging Cerebral Perfusion Measurements. Under the direction of Professor Craig Branch.

Mark Andrews Hissong, *Microbiology and Immunology,* Cell Surface Localization of the Integral Membrane Glycoprotein, Protgfα, is Determined by a Single Valine Residue in the Cytoplasmic Domain. Under the direction of Professor David Lee.

Michael David Houston, *Romance Languages,* Idle Minds and Busy Tongues: Gossip Circles in the Short Stories of Guy de Maupassant. Under the Direction of Professor Stirling Haig.

Cathrine Hoyo, *Epidemiology,* Cervical Cancer Risk among Jamaican Women. Under the direction of Professor Beth Newman.

Wen-Yi Huang, *Epidemiology,* Hormonal Exposures and Breast Cancer Characterized by Estrogen Receptor and Progesterone Receptor Status and Her2/Neu Oncogene Amplification. Under the direction of Professor Beth Newman.

Nicholas Patrick Hunt-Bull, *Philosophy,* Making Sense of Moral Sense: Francis Hutcheson's Moral Theory in Modern Context. Under the direction of Geoffrey Sayre-McCord.

Peter Itskowitz, *Physics and Astronomy,* Chemical Potential Equalization in the Density Functional Theory. Under the direction of Professor M. L. Berkowitz.

Shau-Shiang Ja, *Operations Research,* Computation of Warranty Reserves for Non-Stationary Sales Processes. Under the direction of Professor Vidyadhar G. Kulkarni.

Alisa Ann Johnson, *English,* "Who Can I Turn to When You Turn Away?" Father and Son Relationships in the Novels of Ernest Gaines. Under the direction of Professor J. Lee Greene.

Haydn Tiago Jones, *Romance Languages,* Historical and Literary Perspectives in the Episode of Inês De Castro. Under the direction of Professor Monica Rector.

Jacob Kann, *Ecology,* Ecology and Water Quality Dynamics of a Shallow Hypereutrophic Lake Dominated by Cyanobacteria *(Aphanizomenon flos-aquae).* Under the direction of Professors Val H. Smith and Robert K. Peet.

Stephen Mark Kennedy, *Romance Languages,* The Poetics of Desire in *The Marriage of Figaro.* Under the direction of Professor Carol L. Sherman.

Jason David Kilts, *Pharmacology,* Functionally Selective Activation of Dopamine D_2 Receptors by Dihydrexidine. Under the direction of Professor Richard B. Mailman.

Garland Kimmer, *English,* William Butler Yeats and Meditative Verse: "Where Got I That Truth?". Under the direction of Professor Weldon Thornton.

Isabelle M. Lefebvre, *Chemistry,* The Chemistry of Phosphites, Phosphonates and Spiroxyphosphoranes: Novel Applications to Asymmetric Synthesis. Under the direction of Professor Slayton A. Evans Jr.

John Dennis Lennon III, *Chemistry,* New Methods to Analyze Large Molecules by Mass Spectrometry. Under the direction of Professor Gary L. Glish.

Xingrong Liu, *Pharmacy,* Sandwich-Cultured Rat Hepatocytes: A Novel *In Vitro* Model to Study Hepatobiliary Disposition of Substrates. Under the direction of Professor Kim L. Brouwer.

Véronique Machelidon, *Comparative Literature,* Gender Deviancy in the Nineteenth-Century Novel of Female Bildung: Authorial Disguises in George Sand's *Indiana* and Charlotte Bronte's *Villette.* Under the direction of Professor Lilian Furst.

Alexander Joseph Marzec, *Chemistry,* Chemical Implications of the Two-Electron Redox Chemistry Observed for $Fe_3(CO)_9(\mu_3\text{–}PMn(CO)_2Cp)_2$: Reductive Coupling in Multielectron Chemical Transformations. Under the direction of Professor Cynthia K. Schauer.

Matthew Joseph McAuliffe, *Biomedical Engineering,* A Segmentation Method Based on Object Width-Dependent Use of Scale: Application in Radiation Treatment Planning. Under the direction of Professor Daniel S. Fritsch.

Janet Elizabeth McLellan, *Education,* Storybook Interactions of African American Mothers and their Children: A Longitudinal Study. Under the direction of Professor Joanne E. Roberts.

Lynn McQueen, *Health Policy and Administration,* Interests in Evidence: Politicians' Involvement in Developing Evidence-Based Policies. Under the direction of Professor Arnold Kaluzny.

Christopher E. Mehrens, *Music,* The Critical and Musical Work of Deems Taylor in Light of Contemporary Cultural Patterns. Under the direction of Professor Thomas Warburton.

Kurt Jon Miyazaki, *Political Science,* Vision, Space and the Politics of Homesickness. Under the direction of Professor Steve Leonard.

Evgeny Mukhin, *Mathematics,* On the Quantized Knizhnik-Zamolodchikov Equation. Under the direction of Professor I. Cherednik.

Douglas Andrew Murphy, *History,* Links with an Agrarian Past: The Hotel Hacienda Cocoyoc and Four Centuries of Estate Continuity and Change. Under the direction of Professor Gilbert M. Joseph.

Helen Elizabeth Murphy, *English,* Humanism in Renaissance Studies: A Twentieth-Century Phenomenon. Under the direction of Professor Darryl Gless.

Gregory Opiteck, *Chemistry,* Two Dimensional Separations Coupled to Mass Spectrometry for the Microphreparative Isolation, Identification, and Characterization of Proteins. Under the direction of Professor James W. Jorgenson.

Sahasporn Paeratakul, *Nutrition,* Diet and Body Weight: A Population Study in China. Under the direction of Professor Barry M. Popkin.

Robert Pakpahan, *Economics,* Government Policy: Its Effect on Resource Allocation and International Trade. Under the direction of Professor Patrick Conway.

Elizabeth Presler-Marshall, *Sociology,* The Intergenerational Transmission of Gender Role Attitudes. Under the direction of Professor Francois Nielsen.

Stephen D. Press, *Music,* Prokofiev's Ballets for Diaghilev. Under the direction of Professor Jon W. Finson.

John Jordan Price, *Biology,* Acoustic Communication in a Cooperative Songbird: Transmission, Recognition, and Use of Shared Call Repertoires. Under the direction of Professor R. Haven Wiley.

Cassandra Prioleau, *Pharmacology*, The Molecular Pharmacology of the Novel Antipsychotic Aripiprazole. Under the direction of Professor Richard B. Mailman.

Candace Marie Prusiewicz, *Environmental Sciences and Engineering*, Purine Deoxynucleoside Adducts of Cyclopenta[*cd*]pyrene. Under the direction of Professor Avram Gold.

Kirsten Maria Reichardt, *Linguistics*, Linguistic Structures of Hittite and Luvian Curse Formulae. Under the direction of Professor H. Craig Melchert.

Jane Ellen Reid, *Philosophy*, Integrity and the Emotions. Under the direction of Professor Thomas E. Hill.

Jeanne Catherine Rivard, *Social Work*, Factors Associated with Change in Interagency Collaboration within a Child Mental Health Service System Demonstration. Under the direction of Professor Charles L. Usher.

Maggie Rivas-Rodriguez, *Journalism and Mass Communication*, Brown Eyes on the Web: A U.S. Latino Newspaper Site on the Internet. Under the direction of Professor Debashis Aikat.

Chantal A. Rivera, *Pharmacology*, Role Kupffer Cells and Endotoxin in Alcohol-Induced Liver Injury. Under the direction of Professor Ronald G. Thurman.

Patrick L. Rivers, *Political Science*, Civilizing Tendencies: Miscegenation and Political Thought in North Carolina, 1889-1903. Under the direction of Professor Michael Lienesch.

Matthew Jay Saderholm, *Chemistry*, Engineering of Chimeric Proteins Containing the Oligomerization Site of the Hepatitis Delta Antigen. Under the direction of Professor Bruce W. Erickson.

Kennan R. Shelton, *Mathematics*, Ergodic Properties of a Class of Erdös Measures. Under the direction of Professor Karl Petersen.

Irit Sinai, *City and Regional Planning*, Housing Uses and Housing Choices in Kumasi, Ghana. Under the direction of Professor Linda Lacey.

Diane Marie Margaret St. George, *Epidemiology*, Environmental Justice and the Distribution of Manufacturing Facilities in North Carolina. Under the direction of Professor Steven Wing.

Robert Francis Stachlewitz, *Pharmacology*, The Use of the Amino Acid Glycine as an Anti-inflammatory Agent. Under the direction of Professor Ronald Thurman.

Christopher Todd Stivers, *Business*, Differential Information, Uncertainty, and Time Variation in Equity Return Volatility and Risk Premia.

Paul F. Strack, *Mathematics*, Multitail Cantor Bouquets. Under the direction of Professor Jane Hawkins.

Gregory Scott Strossman, *Chemistry*, Bulk and Surface Characterization of Coal Flyash and the Study of Substrate Effects on the Reaction of Benzo[a]pyrene with NO_2 on Single Flyash Particles Using TOF-SIMS. Under the direction of Professor Richard W. Linton.

Lih-chyun Joseph Su, *Nutrition*, Substances in Diet and Colon Cancer Prevention. Under the direction of Professor Lenore Kohlmeier.

Rebecca Ann Surman, *Physics*, Freezeout and Neutrinos in *r*-Process Nucleosynthesis. Under the direction of Professor J. Engel.

Marlene Lorraine Szymona, *Education*, Epistemology and Power in Faculty's Discourse and Practices in Electronic Communication Technology. Under the direction of Professor Alan Tom.

Daniel Joseph Tempel, *Chemistry*, Mechanistic Studies of Pd(II)-and Ni(II)-Catalyzed Olefin Polymerization. Under the direction of Professor Maurice Brookhart.

Michael Aaron Turnage, *Genetics and Molecular Biology*, *In vitro* and *in vitro* Analysis of the *Suppressor of Sable* [SU(S)] Gene of *Drosophila Melanogaster*. Under the direction of Professor Lillie L. Searles.

Peter John Vermeire, *Mathematics*, Some Results on Secant Varieties Leading to a Geometric Flip Construction. Under the direction of Professor Jonathan Wahl.

Fenggang Wang, *Genetics and Molecular Biology*, Mutational Analysis of the A2-6 Promoter of Mouse LINEs-1 Retrotransposable Element. Under the direction of Professor Clyde A. Hutchison III.

Jennifer Yvette Webster-Cyraque, *Microbiology and Immunology*, The Role of Epstein-Barr Virus in Hairy Leukoplakia and other AIDS-associated Oral Mucosal Lesions. Under the direction of Professor Nancy Raab-Traub.

Sarah Carver Williams, *Education*, Effects of Software Equipped with Speech Feedback and Word Prediction on the Writing of Adolescents with Learning Disabilities. Under the direction of Professor David Lillie.

Hilary E. Wyss, *English*, Captivity and Christianity: Narrating Christian Indian Identity 1643-1829. Under the direction of Professor Philip F. Gura.

Noreen M. Yazejian, *Educational Psychology*, The Relationship between School Identification and Dropping Out of School. Under the direction of Professor Kinnard P. White.

Post Baccalaureate Professional Degrees
Graduate and Professional Graduate Degrees • August 1998

The School of Law

Established 1843

Juris Doctor

Jeffrey Michael Hoffman

The School of Medicine

Established 1879

Doctor of Medicine

Nii Aryee Enoch Tetteh

The School of Pharmacy

Established 1897

Doctor of Pharmacy

Cheryl Denise Kendrick King
Jerry Ray McKee
Christiane Blank Salters

The School of Dentistry

Established 1949

Doctor of Dental Surgery

Laura Burley McAuley
John Mark Oliver

The Graduate School

Established 1876

Master of Arts

Elizabeth Sandin Allen
Lori Temples Armistead
Jerrod Lyall Bowen
Theresa Katherine Burcsu
Elizabeth Ann Campbell
Leslie Marie Caster
Lynn Evette Clarke
Samantha Corte
Lisa Kristen Deibler
Michelle Lynn Dion
Brigitta Marie Fielek
Andrea Luisa Fort
Fatima Maria Garcia-Diez
Christopher Thomas Giordano
Hongbin Gu
David M. Hart
Heidi Marie Johnson
Jennifer Lee Johnston
Heather Ann Kendra
Nancy Ruth Klusmeyer
Jason Matthew LaTouche
David Charles Lippman
Dawn Marie Maffucci
Cecile Francoise Masters-Moore
Masanori Mizumachi
Jonathan Jay Negin
David Hall Newton
Kathryn Hoffman Perry
Rodrigo Pizarro
Nancy Elizabeth Polo
Paul Henri Rogers
Stacey Michelle Rosenfeld
David John Scott
Alice Fry Shepley
David Adolph Singband
Lori Ann Snyder
John R. Spencer II
Caroline Elizabeth Thomas
Elizabeth Wyrick Thompson
Sean Patrick Uyehara
Stanslav Vaeriyevitch Vasiliev
John Bradley Vogler
Sophia Wenhua Yu

Master of Science

Elizabeth M. Absher
Wendy M. Ahmed
Solveig Asa Arnadottir
Richard Stephen Austin
Angela Painter Baechtold
Sally Jean Bober
Andrea Anita Boright
Tanya Lee Burgos
Yuki Chin
Amanda Jayne Core
Melissa Dawson
Kristi Dale Dendy
Torria Ilona Ellis
Amanda Sue Englerth
Francisco Eduardo Eraso
Amy Elizabeth Evans
Elaine Mireille Evatt
Anne Slater Exum
Gary Steven Gartner
Gregory Charles Gell
Paul Robert Gibbs
William V. Gierie
Nitsa DuRell Gilbert
Reid Bradley Gilliam
Laura Mary Greiss
Kathryn Joan Grover
Michael-James John Habgood
Phillip Andrew Harries
Colleen Marie Hines
Chia-Yuan Hsu
Kartik Jayaram
Diana B. Johannsen
Nooshin Katebzadeh
Sarah G. Kenan
Brian Paul Kilgallen
John Dane Kovach
Hyohyun Kwak
Justin Montcliffe Lashley
Jaewoo Lee
Cara Lynn Lento
Hongxia Judy Li
Jia Li
Hui Liang
Jianhua Liu
Gang Lu
Marla Jeaninne Magness
Tracey Elene Marshall
Natalie Elizabeth Mason-Fry
Julie Carol McIver
Shannon Kathleen Meeker
Gopi Meenakshi Sundaram
Michelle Lee Mundorf
Chauncy F. Nelson
Julia Switch Osborn
Pratik Ramesh Patel
Janet Fountain Petty
Sylvia Lynn Pool
Pritasha Ajit Popli
Ranjani Ramakrishnan
Melissa Marie Rapp
Joseph Miles Robinson
Todd Stewart Roessler
Hisashi Sawaki
Petra Schubert
Jian Shi
Elin Sigurgeirsdottir
Georgios Skoulakis
Joseph Charles Stella
Catherine Anne Sweet
John Thomas Swinson
Ira Paul Sy
Stephanie Lynn Taylor
Jonathan Frederick Turner
Christine Marianne Vitron
Tramaine Walden-Darby
Wei Wang
Heather Nicole West
Torraine Antjuan Williams
Jann Garbutt Yankee
Franziska Sabine Zabolitzki
Lei Zhang

Master of Regional Planning

Hiroyuki Akaso
Karen Elizabeth Berchtold
Jeannette Marie Bradley
Kevin Arthur Bryant
Brenda Marie Childers
Laura Anne Deaton
Nathaniel Ketil Freeman
Adena Leah Friedman
Isaac C. Henderson
Robert B. Inerfeld
Adhir Kackar
Philip Clark Mason Jr.
Bonny Ann Moellenbrock
John Christopher Nemeth
Todd Christopher Owen
Catherine Elizabeth Reilly
Abikok Cuir Riak
Jeffrey Scott Triezenberg
William Patrick Wagner

Master of Science in Recreation Administration

Corey W. Johnson

The School of Education

Established 1885

Master of Education

DawnMarie Bates
Kimberly Snowden Chaney-Bay
William Alonza Evans Jr.
Margaret Welton Graham
Ilean Hill
Emily Elizabeth James
Barbara Stephanie Kolski
Jodi Lynn Kruse
Eleanor Cole Levinson
Jill Hiatt Lowe
Merrie Morris Manning
Marylu Matott
Stephanie Kristin Melton
Karen Drew Paul
Damalia Jackson Ruffin
Michelle Lynn Sanks

Chevette Scott
Tara Kathleen Smith
Donna Marie Whitehouse
Christine Laura Willis
Bertha Carolyn Wilson
Nicole Selena Young

Master of Arts in Teaching

Tricia Bruntrager
Isaac Beverly Lake III
Stephanie Kay Penland

The Kenan-Flagler Business School

Established 1919

Master of Accounting

Sheref Mohamed Abou-Donia
Jason Brent Allbert
Shelby Nicole Travis Allen
Kimberly Dawn Atwood
Forrest Reid Avett
Jennifer Joy Bean
William Douglas Bridges Jr.
Robin Michelle Caldwell
Henry Fowden Clark
Lincoln Matthew Coe
Stacey Elaine Cohen
Lorrie Pate Costigan
William A. Crook
William Jefferson Daniel
Robert Craig Davis
Drew Steven Deaton
Deborah J. DeBourg-Brown
James Lindsey de Guehery
Michelle Lynn Eckmann
Heather Ann Edson
Ashley Kathryn Epps
Mathew Call Fisher
Teresa Ann Foshay
James Christopher Gantt
Geoffrey Keith Gardner
Megan Elizabeth Guthridge
Kale John David Hartman
Sonia Raynor Hines
Jessica M. Hiveley
April Christine Horvath
Edward Russell Howe
Mary Margaret Howell
Jane Bragg Hudson
Christopher Anthony Hutnick
Jonathan David Ingram
Amy Elizabeth Jarman
Adam Phillips Jones
Alyson Elizabeth Joyce
Craig Jeffrey Kaufmann
Robert William Knox
Hugh Geoffrey Lemonds
LuAnn Roth Liston
Robert Craig Lowder
Laurence Beckley Maddison III
Sanjay Manickam
Jennifer Lynn Marks
Kimberly Dawn McCall
Sarah Anmarie McCorquodale
Heather Renee McDowell
Andrew McGuire Messick
Rebecca Dawn Mumpower
Matthew Kenneth Murley
Walter Bennett Parrish III
James Joseph Piangozza
Matthew Weber Pohlman
Jane Talbot Pope
Charlotte Ann Ramage
Matthew Roy Ringler
Jason Bradley Roth
Rebecca Stowe Ruff
Stephen Wayne Salmon
Shalini Satagopan
Curt Benjamin Shaw
Jing Shi
Wei Chuan Shih
Constantine John Stamatiades
Casey W. Stansbury
Emily Anne Stout
Laura Angela Benford Studdard
Nancy Elizabeth Sutton
Elizabeth Christine Tuttle
Jennifer Diane Tuttle
Leslie Michelle Vass
Jennifer Wynnell Vruwink
Victoria Ruowei Wan
Bradford Dickerson Whitehurst
Tamara Leigh Williams
John Samuel Wright

Master of Business Administration

Nancy Axtell Burke
Cara Fayme Gavin Callanan
William Allan Collis
Lisa Anne Crisp
Duane Allen DeCapite
Erik Leonard Dixon
Natalie Leonard
Leslie Arthur McSpadden
Alvin Ward Peacock Jr.
Angus Wang
Brian D. Ward

The School of Social Work

Established 1920

Master of Social Work

Angela Rene Beamer-Ratliff
Robert A. Bush
Marie Suzanne Miller
Lane Yates

The School of Information and Library Science

Established 1931

Master of Science in Information Science

Karl Eric Lietzan
Jessamyn Waddington Saltysiak

Master of Science in Library Science

Judith Michelle Austin
Karin Sandra Breiwitz
Lin Dou
Kathleen Elizabeth Feeney
Emily P. Fraser
Laura Daly Godshall
Peter Michael Griswold
Douglas Stauffer Hudson
Carol Nicole Joyner
Melissa Henderson Laytham
Karin Joan Michel
Paula Kay Robinson
Susan Denise Salpini
Jonathan David Sherman
Karin S. Thomsen
Nancy Leigh Underwood
JiHae Yoon

The School of Public Health

Established 1939

Master of Public Health

Navid Ahdieh
Rachel Lee Akins
Mario Joaquim Azevedo
Angela Joan Babineau
Eileen Danielle Barrett
Tracey Leigh Bates
Nora Bess Beidler
Patrick John Berger
Aleta Alyce Borrud
Aimee Nicole Briggs
Elizabeth Jane Bundy
Aimee Lenhart Cassulo
Krishnapada Chakraborty
John Allyn Cheshire III
Mark R. Coin
Kathrine A. Cruz
Jean F. Cyriaque
Jamie Thomas Dilweg
Kelly Elise Dooley
Amy Beth Duckett
Michelle E. Elisburg
Susanne Marie Engler
Elizabeth Martin Frentzel
Cynthia L. Gay
Ann Jadwin Gerhardt
Paula L. Gildner
Basil Ivanhoe Gooden
Rebecca Lynn Greenleaf
Lauren Marie Grimes
Tiffany A. Grinstaff
Jeanne-Marie F. Guise
Christine Lynne Guthrie
Emily Elizabeth Hall
Ingrid J. Hall
Lisa Jackson Harrington
Kimberly Dawn Henderson
Krista Nicole Hopkins
Charles Robert Howsare
Solon Gray Hughes
John Patrick Hunt
Maria Jankova Ilieva
Nutan Prabha Jain
Charles S. P. Jenkins
William Natcher Jirles
Renee M. Johnson
Jill Sherene Kerr
Ramesh Loganathan Krishnaraj
Karl Josef Krobot
Hugh Clyde Law III
Aimee Murphy Lehmann
Kalani Anne MacGregor
Manzoor Ahmed Majumder
Kimberly Elizabeth Maynard
Herbert F. Morehouse Jr.
Jean-Claude Mowandza-Ndinga

Lynda Patricia Muriera
Phaipi Nengzadou
Jill Ashley Newton
Miriam Leila Ornstein
Bindi Ishwarbhai Patel
Benjamin Brooke Peacock
Michael Patrick Pignone
David Aaron Rosen
Nelly Saha
Kurt Lynn Scholla
Nicholas J. Shaheen
Joseph Richard Sharkey
Sheila Denise Sholes-Ross
Roberta Singal
Rebecca Ruth S. Socolar
Prahlad Rai Sodani
Christine Marie Starkey
Zafra Devlin Stork
Margaret Victoria Thorley
Sujata Ravindra Tipnis
Vandana Tripathi
Qinghong Yang

Master of Science in Environmental Engineering

Morris Howard Arthur
Brian A. Blazicko

Master of Science in Public Health

Alexander David Allaire
Lesley Mary Butler
Michael N. Cook
Gary Carl Cseko
Gloria Faye Putnam
Cynthia Kay Wallace

Master of Healthcare Administration

Jeffrey Lynn Akers
Wanda Guthrie Ann Atkinson
Thomas Harper Auer
Jessica Marie Borup
Aidan M. Collins
Cameron Morrison Cox III
Johnna Janine Edmundson
William L. Finger
Carl Edward Gryczynski
Francesca Hartop
Kelly Close Haupt
Kathie S. McCracken
Alice S. Salthouse
Kathleen Marie Seibel

Master of Physical Therapy

Kristi Lynnette Ayars
Paul Harald Brichta
Dana Karen Broughton
Chaundra Lynn Catrone
Amy Beth Clark
Victoria Lynn Clawson
Nicole Holly Crichlow
Kristal Kay Crutchfield
Thomas H. Dalonzo-Baker
Demian Luis Gutierrez
Chelsea Rene Hayden
Barbara Rosi Helms
Todd Burton Hoff
June Nicole Holland
Kathleen Marie McDonald
Mark Miele
Morgana Mueser Moore
Sharon Lynn Newton
Darin M. Nolting
Denise Lynette Overcash
Lisa Jeannette Palomo
Amanda Caroline Poindexter
Gordon R. Reeves
Stacy Thomas Rooney
Rhonda Sue Sherwood
James L. Sutherland IV
Rachel Ann Theriault
Amy Elizabeth Topham
Susan Wai-Yan Tsang
David Earl Wain
Jodi Diana Ward
Matthew Brettel Ware
Christina Cupitt Watson
Robert Adair Wells II
Sara Lee Whitaker
Paul Scott Winefordner
Ginger Garner Wood

The School of Nursing

Established 1950

Master of Science in Nursing

Karen Puiman Lau
Sharilyn Hope Lemon
Linda Liebler
Holly Fadness McFarland
Judith Ann Meek
Jennifer C. Wilkins
Theresa Ann Wise

The Dean E. Smith Center

Today's ceremony attests to the flexibility of the Dean E. Smith Center, one of the most impressive collegiate arenas in the country. Begun as a mission of unparalleled proportion in college athletics, the 300,000-square-foot edifice was built with funds raised entirely from private donations. It stands on seven and one-half acres on the University's south campus. Over 20,000 cubic yards of rock were removed to make room for the 340-foot-wide, 380-foot-long building.

The building, which opened in January of 1986, has three levels. The first floor features six recreational locker rooms, the basketball dressing area, which contains a players' lounge complete with computer terminals and study desks, as well as fully-equipped training and weight rooms for use by the basketball players. On the second floor visitors can enjoy a memorabilia room that houses artifacts of Carolina's rich athletic tradition. The uppermost level features a 1,200-foot-long, 22-foot-wide concourse with seven concession stands and a souvenir showcase, all of which are easily accessible from the sixty-eight aisles along the concourse.

The Smith Center's design allows it the flexibility to host numerous entertainment events. A large grid hangs over the east end zone from which more than 50,000 pounds of sound and lighting equipment can be easily attached. Some of the most heralded stars in the entertainment business have performed here. Since Kenny Rogers staged the first concert in the arena in 1986, entertainers ranging in appeal from Bruce Springsteen to John Denver, Pink Floyd to Garth Brooks have performed to enthusiastic crowds. But the main attraction, and indeed the very reason for the Smith Center's existence, is Carolina basketball. Since January 18, 1986, when Warren Martin scored the first Carolina basket in the Smith Center, the center has seen the team develop an impressive win ratio of ninety percent.

On January 18, 1986, Warren Martin scored the first Carolina basket in the Smith Center.

Baccalaureate Degrees • August 1998

The College of Arts and Sciences

Established 1793

Bachelor of Arts

Afro-American Studies

Nachael Lynn Bright
Benjamin Aristotle Lartey
Christy Amanda Placie

American Studies

Lisa Marie Boxill *

Anthropology

Kristen Eugena Hensley
Joshua Wolfe Levy *++
George Kenneth Morgan II
Martha Elizabeth Stout
Malinda Janice Todd
Virginia Suzanne Trice

Biology

Detrius LaShaunda Anderson
Samantha Lynn Faircloth
Jamie Scott Jacobs
Joseph Brandon Johnson
Heather Michelle Kennedy
Shannon Leigh Lawing
Mary Alice McLean-Smith
Katisha Kent Newkirk
Xaysanaphet Phromsavanh
Michael Paul Queen
Emily Sarah Schobel
Lauren Elizabeth Spears
Vineeta Hari Tandon
Supaporn Padtha Thies
David Edward Tolle
William Paul Tritt Jr.
Ryan Scott Whaley
Amanda Elizabeth Winn
Susan Gail Zucker

Chemistry

Chad Steven Berry
Tamika Sheree Black
James Donell Braxton
Gregory Carlisle Campbell
Joshua Francis Hayes
Daniel Allen Hudson
Ronald Lee Johnson II
Chad Ryan Marion
Islam Mohamed Othman
Heena Prakash Patel
Allison Rose Williams

Classics

Anna Kathryn Bushnell
Jeremy B. Leftt +

Communication Studies

Jason Perumattickunnel Abraham
Sidney Clarke Barry
Curt Michael Blackman
Anna Gunn Bowen
Jeremy Stuart Bradley
David Wayne Britt
Lori Rachel Carlson
Lauren Katherine Carter
Eric Stephen Chernoff
Latasha Lavonne Colander
Anthony Lennard Coles
Jennifer McLean Daniel
Tamara Donita Deloatch
Mark Fitzgerald Dunn
Christopher Francis Farrell
Alvin Ray Gallimore Jr.
Karen Rose Glunk
John Worth Nicholas Hammer
Jared Wayne Hoyle
Jung Eun Kim
Lori Jean Lowe
LaShanta Rochelle Maske
Kristin Leigh Moore
Jeffrey Benson Needham
Kimberly Allison Parker
Simone NaTashia Parker
Adria Nicole Robertson
James Lawrence Sands Jr.
David Nickell Schwentker
Meghan Regina Sheehan **
Mimi Shieh
Derrick Alonzo Speight
Susan Kristina Walker
Angela Benita Ward
Regina Waring
Cynthia Carole Warren
Teresa Ann Williams
Leighton Chantel Yates

Dramatic Art

Megan Lynne Martin
Christina Ann Overcash

Economics

John Andrew Alexander
Veronica Burton
Joseph Anthony Carosella
Juli Carolyn Dixon
Arthur Marcellus Gipple IV
Joy Lynne Goss
Trenton Michael Grissom
Andrew Grant Hall
Gregory Edward Husted
George Jason Jolley
Scott Matthew King
Ty Dodson Osborne
Scott Winfield Pernell
Sean Patrick Popieniek
Michael James Quinlan
Delano A. Rankin Jr.
Walter Bryan Rountree
Nathan Peter Shopay
Mark Edward Thomas
William J. Kinnison Turner
Sonia Vulovic
William Joseph Walsh IV

English

Kevin Timothy Allen
Gordon Bryant Barber
Carl William Burgardt
Shelley Anne Canning
Clay Barton Cansler
Lindsay Abbott Carlson
Katherine Sarah Chung
Catheryne Grayce Clouse
Thomas Lee Dodson Jr.
Casey Sarah Duque
Amy Summey Ellison *
Tammy J. Etheridge
Scott Michael Gavin
Charles John Grosso
Sara Catherine James
Clare Foster Kinlaw
Phillip Michael Locey
Matthew Carson Mayse
Adam Roger Phelps
Kathrine Munroe Reynolds
Anna Kathleen Simpson
Kirsten Anna Snook
Seth Brian Taper
Kyle Bethany Thomas
Michael David Webb
Joanne Louise Werdel
Michael Frisby Yelverton

French

Marnie Clayton Hunter

Geography

Samuel James Freas III

History

Emily Jean Berry
Monica Ann Black
Christopher Peter Brown *
Samuel Martin Cone
David Robin Dimitrious
Bradley Dean Dinkins
Brian Wesley Durham
Jonathan Brandon Evans
Jason Wade Greenlee
Molly Marea Herrmann
Elizabeth Garrett Joyce *
Joshua Evan Keller
Douglas Floyd Kelly Jr.
Glen Aaron Kelly
Alexandra Ann Kemper
Christopher Bobby Kennedy
Joshua Barron Lewis
Matthew Kent Lively
Ronald Christian Michels
Mohan Nathan
Joseph Lawrence Powers
Jeffrey Kendall Remsburg
Mark James Serritella
John Ritchie Solter Jr.
Christina Elizabeth Sweat
Bryan Robert Turner

Industrial Relations

Winfred Eric Brown
Robert David Calfo
Jeremy Hays Castleman
Joshua Charles Claus
Thomas Norton Creger
Kelly Dianne Hales
Charles Francis Jones Jr.
Bradley Michael Pierson
Jamie Riner Pope
Peter Stewart Richards
John Deke Waters
Cindy Jo Werley
Sarah Ellen Wheeler
Samuel Barden Winstead

Interdisciplinary Studies

Cathryn Jan Davis *
Heather Julene Tallent

International Studies

Kristin Kay Berkland *+
Jeffrey Allen Brady *
Brian Keith Cockman
Rachna Malhotra
Keith Leigh Partney II
Vibha Udupa

Latin American Studies

Randolph John Freese

** Indicates degree with distinction based on GPA.*

*** Indicates degree with highest distinction based on GPA.*

+ Indicates Honors recipients.

++ Indicates Highest Honors recipients.

Linguistics

Kirk Leigh Baker

Mathematics

Milton Lloyd Flerl III
Litisha Monique Jones
Michael Ernest Mittendorff
Starla Ann Negin *
Kevin Shaun Ricker

Music

Julie Kay Foldesi

Peace, War, and Defense

Kristen Noelle Baucom

Philosophy

Aimee Nicole DuBois

Physical Education

Matthew Dennis Adams
Jesse Aycock Blackman Jr.
Curtis Alan Brown
Jason Edward DeVaughn
Elvira Lee Graham
Jennifer Annette Joyce
Debbie Kim Keller
Joshua Aaron Slatky
Valecia Jean Worthington

Political Science

Elizabeth Boyd Anthony
Joseph Augustine Bailey IV
Kristopher Bryan Gardner
Charleen Flora Graham
Joshua James Hopper
Brendan Joseph Moore
Tohcia Janell Patrick
Emily Elizabeth Poole
Matthew R. Putnam
Shamiika Efa Queen
Jonathan Brett Richards
Carter Elizabeth Rule
David Alexander Russell
Jennifer Marie Ryan
Jessica Marie Vance
Keith Howard Williams
Alie Elizabeth Yates *

Psychology

Tashuna Delshawn Albritton
Parker Chase Andrews
Amardeep Singh Athwal
Greg Farrell Auman
Heather Nicole Badgett
Ross James Bain
Tiffany Sue Ballance
Marcia Alveta Brown
Lahavi Jerel Brunson
Elizabeth Tredway Cameron
Gypsy Nicole Culp
Sara Elizabeth Davis
Karla Marie Dierks
Kelly Irene Dougherty
Natasha Setzer Drake
Nelwyn Elizabeth Fettig
Britlan McKain Gorse
Holly Michelle Hall
William Suggs Harvey III
Angela Dawn Hash
Zachary David Hauser **++
Leisha Antonya Highe
Jacob Wayne House
Christina E. Hugenschmidt
Melanie Rechelle Jessup
Victoria Elizabeth Killen
Jennifer Lynn King
Kimberly Anne King
Kristin Noel Lutcavage
Kimberly Elaine Mann
Andrea Lacey McFann
Fawad Ahmad Mian
Dora Michelle Mundy
Long Xuan-Phi Nguyen
Rebecca McNeill Paris
Madeline Patalano
Anthony Robert Rutledge
Monica Sanchez
Jonathan Chadwick Sullivan
Zeba Ali Syed
Margaret Anne Trotter
Lisa Elizabeth Woodruff
James Min Yoo

Public Policy Analysis

Roberta Paulette Hadley
Amanda Lizabeth Lail
George Andrew Sullivan Jr.

Radio, Television, and Motion Pictures

Michael Griggs Dickson
Ana M. Nelson

Religious Studies

John Andrew English

Russian and East European Studies

Lisa Lamont Adams +

Sociology

Anna Renee Bowens
LaNeva Sherrill Brown
Tavi Brunson
Latasha Shante Dalton
Sherry Jo Dutton *
Karen Sue Fletcher
Melissa Marie Foos
Shannon Christine Heard
Lee Nathaniel Johnson
Cory Malloy Lea
Whitney Stroud Moore
Lisa Michelle Parrott
Brian Eugene Simmons

Spanish

John McCarley Davis
Jane Pardee Hinson
Rachel Ann Linville
William Warren Prickett

Studio Art

Gwendilyn Dee Lincicome
Yun Hui O
Janet Denise Smith

Women's Studies

Shannon Maria Allee
Stefanie Frances Conrad
Olivia Brandice Page

Bachelor of Fine Arts

Anna Kimmins Kirby

Bachelor of Music

Robert Christophe Lawing

Bachelor of Science in Applied Science

Eric Jefferson Hemingway

Bachelor of Science in Biology

Brian Donald Baker
Thomas Vance Beamon
Taazar Bingham
Eric Charles Bohlen
Christopher James Brennan III
Mark William Brinkley
Adam James Budlong
Amy Leigh Dula
Daniel Edward Elliott
Miluska Escudero
Brandon Lee Evans
Nathaniel Warner Fitch
Brenda Laverne Franklin
Jennifer Lynn Leitch
Amber Suzanne Lineback
Brandy Dawn Lloyd
Maria Julie Sieber
Taran Kaur Singh *
Hershal Smith
Holly Charlermsri Smith
Stephen Brett Thompson
Kelly Leigh West *++
Michelle LeGare Whitesides

Bachelor of Science in Geology

Caitlin Jennifer Lorinovich

Bachelor of Science in Mathematical Sciences

Shameka Lashaun Coleman
Andres Alberto Echevarria
Dara Caye Flemings
Daniel Joseph Hines III
Keelan Torrance Lewis
Bradley Wade Settlemyer
Alexander Rasti Stupka

Bachelor of Science in Psychology

Larry Douglas Bryant
Patricia Ann Mangan

The School of Medicine

Established 1879

Bachelor of Science in Radiologic Science

William Bruce Black
Lisa Rene' Blackwell **
Shannon Ashleigh Graham
John Frederick Phelps Jr.
Tomeico Latisha Robinson
Maria Luisa Sardinas

The School of Education

Established 1885

Bachelor of Arts in Education

Jeffrey Heath Chapman
Latesha Daneen Keaton
Jennifer Nicole McCoy

Bachelor of Science in Science Teaching

Christy Lynn Boylston

Bachelor of Music Education

James Adam Smith

The School of Pharmacy

Established 1897

Bachelor of Science in Pharmacy

Melissa Dawn Barrett

The Kenan-Flagler Business School

Established 1919

Bachelor of Science in Business Administration

Hanae Zaki Ayoubi
James Garo Batmasian
Jason Matthew Baxter
Jacquelyne Amanda Reed Bishop
Rebecca Jean Blair
Randi Elisabeth Gustafsson
Suzan Emine Mutlu
Michael Brian Riggs
Richard Conlin Robin *
David Alexander Secrest
Peggy Tanusukma

The School of Journalism and Mass Communication

Established 1924

Bachelor of Arts in Journalism and Mass Communication

Matthew Brett Bachman
Talena Marie Chavis
Mary Merritt Dempsey
Kevin James Dwyer
Bridget Marie Harrington
Anna Josey Kemp
Elana Janine Maass *
Bobby W. McPeters
Monica Lutricia Mills
Alexander Reed Podlogar
Laura Hardman Ross
Nancy Marie Snipes *+
Amy J. Weibel
Lara Neil Williford

The School of Public Health

Established 1939

Bachelor of Science in Public Health

Beatriz Maria Borja
Meredith Degen
Jeffrey Michael Griffin **
Heather Lyn Spurlock

The School of Dentistry

Established 1949

Bachelor of Science in Dental Hygiene

Tiara L. Walker

The School of Nursing

Established 1950

Bachelor of Science in Nursing

Larry Phillip Kelly
Matthew David Miller

August 1998 Commissioned Officers

United States Army

Eric C. Bohlen
Samuel J. Freas III
Lahavie J. Brunson
Tavi N. Brunson

Graduation with Distinction

The University awards specially inscribed diplomas to undergraduates with records of sustained, high-level academic performance.

Undergraduate students in Academic Affairs or Health Affairs who graduate with a 3.5 or better overall grade point average receive diplomas that include the phrase "with Distinction." Students completing at least forty-five hours of undergraduate course work at Carolina while earning a 3.8 or better overall grade point average receive diplomas inscribed "with Highest Distinction." This designation provides uniform, University-wide recognition of sustained high-level undergraduate performance.

In the listing of candidates for baccalaureate degrees, the * symbol indicates a candidate for a degree with distinction based on grade point average prior to the student's final semester.

Criteria for Graduation with Honors

Graduates wearing gold honors cords on their gowns committed their senior years to excelling academically in the Seniors Honor Program.

Students who graduate with honors have in most cases designed and executed a significant research or creative project under the guidance of a faculty adviser, then completed an honors thesis. Each student defends the thesis before a faculty committee, which recommends successful candidates for graduation with honors. To be eligible for the program a student must have at least a 3.2 overall grade point average.

Approximately 3,400 Carolina alumni have successfully participated in the Senior Honors Program since it began in 1917. The senior class includes nearly 275 graduates who participated in senior honors programs in fifty departments, curricula, and professional schools throughout the University.

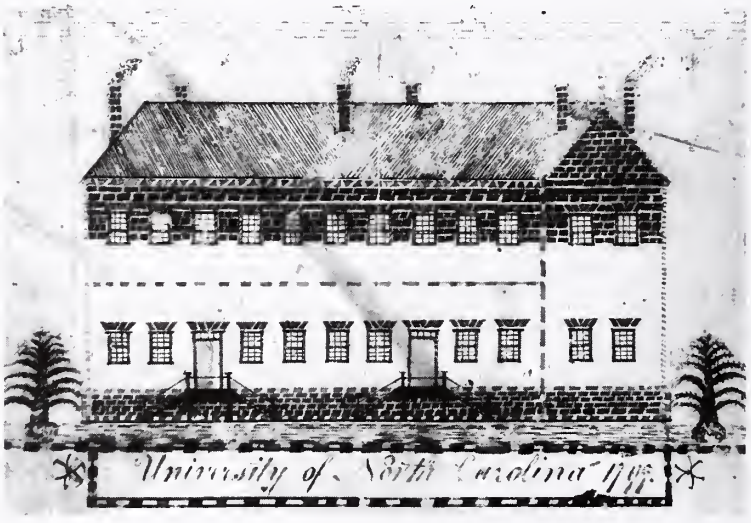
The additional accolade of graduation "with highest honors" singles out the exceptionally accomplished student and the thesis that exemplifies the highest possible level of undergraduate scholarship. Not every department recommends candidates for "highest honors" each year.

The Office of Honors in the College of Arts and Sciences administers the Senior Honors Program and the honors curriculum for freshmen, sophomores, and juniors.

The First State University

The framers of North Carolina's first state constitution wrote in 1776 that "all useful learning" should be "duly encouraged and promoted in one or more universities." The University of North Carolina at Chapel Hill was chartered in 1789 — the year of George Washington's first inauguration — and in 1795 it opened its doors as the first state university in the nation.

New Hope Chapel (now Chapel Hill) was chosen for its central location as the site of the University. The cornerstone for Old East was laid on 12 October 1793 by William Davie, for whom the Davie Poplar, a familiar campus landmark, is named. Thus Old East became the first building of this or any state university. The University of North Carolina opened its doors on 15 January 1795 and its first student, Hinton James, arrived on foot from the Wilmington area a month later. By 1 March the University had forty-one students and two professors.



The first decades of the nineteenth century saw important developments for the new University. In 1815 the natural sciences were given equal status with the more traditional classical curriculum. In the 1820s Denison Olmstead and Elisha Mitchell prepared and published the nation's first geological survey. In 1832 UNC President Joseph Caldwell built the first astronomical observatory at a state university.

Enrollment increased steadily during this period, and by 1860 only Yale University had more students. The Civil War caused many universities to close, and Carolina was one of the few Southern universities to remain open throughout the war. It was during Reconstruction that the University closed (1870-5) for the only time in its history.

After reopening, the University added programs that enhanced its status as a major university. In 1876 it announced a program of graduate studies leading toward postbaccalaureate degrees. In 1877 it became the first university to open a summer school for teachers. In 1879 it began medical and pharmaceutical studies. The University received its first legislative appropriation for maintenance in 1881. In 1885 it introduced its regular program for the preparation of teachers. In 1892 William Kenan, working in the University laboratory of Dr. Francis Venable, participated in research that identified calcium carbide and developed a formula for making acetylene gas from it. In 1894 the School of Law, which had been semi-independent, was incorporated into the administrative structure. In 1897 women students were admitted for the first time.

At the turn of the century the University had 512 students and a faculty of thirty-five. It had an undergraduate college and a department for the education of teachers, and it was working to establish the schools of Law, Medicine, and Pharmacy. Master's degrees and seven Ph.D.'s had been awarded at the University.

The first three decades of the twentieth century were a period of significant growth. Enrollment first reached one thousand in 1915. A Phi Beta Kappa chapter, Alpha of North Carolina, was formed in 1904. In 1913 the School of Education was established and the Bureau of Extension was organized to extend the University's resources to North Carolinians on a regular basis. The endowed Kenan professorships fund, established in 1917, provided incentive for excellence in teaching and research. In 1919 the School of Commerce, now the Kenan-Flagler Business School at Chapel Hill, was established. The School of Public Welfare began in 1920 as an outgrowth of the Department of Sociology. In 1950 the school's name was changed to the School of Social Work. In 1922 the University was elected to membership in the Association of American Universities. The University of North Carolina Press was incorporated in 1992, and the Institute for Research in Social Science was organized in 1924. By 1930 there were twenty-six hundred students at the University and a faculty of 222 full-and 85 part-time members. Teaching, study, and research took place at undergraduate, graduate, and professional levels in twelve colleges and schools in twenty-one departments.

The Consolidation Act of 1931 joined the University with the Woman's College at Greensboro and North Carolina State College

in Raleigh. A single Board of Trustees allocated functions among the three constituent institutions. The offices of the Consolidated University were established at Chapel Hill, and University President Frank Porter Graham became the Consolidated University's first President.

Also in 1931 the School of Library Science was established and the Institute of Government founded. (The institute, first of its kind in the nation, became an official part of the University in 1942.) In 1936 the School of Public Health was formed. In 1940 the naval ROTC unit was created; it was joined by the Air Force ROTC unit in 1947.

The Division of Health Affairs was formally organized in 1949, with Schools of Dentistry and Nursing added to the existing schools of Medicine, Pharmacy, and Public Health. Thus the University became one of the relatively few in the United States to have schools in the five health professions. The opening of North Carolina Memorial Hospital in 1952 provided clinical facilities for the schools.

The Morehead Building and Planetarium were completed in 1949 and in the next year the School of Journalism was started. The William Hayes Ackland Memorial Art museum was completed in 1958. In the following year the University was one of the first to install a large computer system. More recently the campus has undergone extensive building. The Walter Royal Davis Library was dedicated by Governor James Martin in 1985 and Wilson Library became a special collections library. Other newer building projects include multiple athletic facilities; the Kenan Center, Fetzer Gymnasium; Carmichael Residence Hall; the McColl Building; and new facilities for the departments of Art, Chemistry, and Computer Science. The medical complex boasts Memorial Hospital's new Critical Care Center, the Lineberger Cancer Research Building, and the Public Health and Environmental Sciences Building.

Beginning with one building, one hundred students and two professors, The University of North Carolina at Chapel Hill has grown to 250 permanent buildings, 24,000 students, and 2,700 full-time faculty. There are more than 214,000 living alumni, among whom can be counted thirty-one North Carolina governors and U. S. president James K. Polk. Also noteworthy are Academy Award and Pulitzer Prize winners Louise Fletcher, Vermont Royster, and Jeff MacNelly and the television news personalities Roger Mudd and Charles Kuralt. Other outstanding alumni in the arts include the novelist Thomas Wolfe, the playwright Paul Green, and actor Andy Griffith.

The University has been recognized for the quality of its graduate programs in every national survey conducted in the past third of this century. A survey of graduate programs published by the National Academy of Sciences ranked Chapel Hill first in the South and eighteenth in the nation. Annual surveys regularly cite The University of North Carolina at Chapel Hill as one of the best colleges in the nation and one of the few state universities to be considered among the top research institutions. One asset that contributes to this reputation is Carolina's superb library system. The system contains more than three million volumes and is ranked among the top research libraries in the United States and Canada by the Association of Research Libraries. Libraries include the new Davis Library, Wilson Library, the House Undergraduate Library, and the Health Sciences Library, along with another twelve school and departmental libraries. Wilson Library houses the extensive North Carolina, Southern Historical, and Rare Book Collections.

The University that opened in Chapel Hill in 1795 is now the most comprehensive institution in North Carolina, both in the range of its programs at all levels and in the breadth of its specialized research and public service programs. The University's fourteen colleges and schools provide instruction in more than one hundred fields, offering 95 bachelor's, 175 master's, and 109 doctoral degrees, as well as professional degrees in dentistry, medicine, pharmacy, and law. The University has more than remained faithful to its founders' charge to duly encourage and promote all useful learning for the betterment of humanity.

Adapted from an article by Williams S. Powell, Professor Emeritus, Department of History.

A Message to Carolina's Newest Alumni

The General Alumni Association (GAA), founded in 1843, is a self-governed, nonprofit organization, funded primarily by membership dues. The GAA conducts no fundraising.

Membership in the GAA is open to all alumni and friends of the University. There are more than 61,000 members, including more than 28,000 life members.

Member rewards include an annual subscription to the award-winning bimonthly Carolina Alumni Review, invitations to GAA-sponsored events (class reunions, new alumni reunions, alumni club activities, enrichment programs, weekend seminars, travel programs, etc.), eligibility for group health and life insurance, the Carolina Alumni VISA card, and discounts on Carolina merchandise, books, and more. News and information about the GAA can be found on the World Wide Web at alumni.unc.edu.

New graduates may be particularly interested in Alumni Career Services. They include DISCOVER Career Guidance Software, worldwide job hotline numbers, the Alumni Advisor Network, professional consulting, job postings, and many more services.

There are also opportunities to network through alumni club programs. Approximately 100 local Carolina Clubs throughout the United States and abroad provide a variety of activities for Carolina alumni and friends.

The GAA Records Department maintains an alumni database of more than 214,000 living alumni. Please make sure your record is kept up-to-date, including your current mailing address and e-mail address.

The GAA offices are in the George Watts Hill Alumni Center. Located near Kenan Stadium on Stadium Drive, the Alumni Center hosts a variety of GAA programs and activities that serve the University community. The Alumni Center also contains The Carolina Club, a member-supported dining club for alumni, faculty, friends of the University, and staff.

If you have questions or would like to join the GAA, please stop by or call (919) 962-0742 or toll-free number at 1-800-962-0742. The membership e-mail address is membership@unc.edu.

Commencement Committee

Richard J. Richardson, Chair
Bonnie Andrews
Richard N. Andrews
Dana Davis Bayley
Ronald S. Binder
Nancy Jo Black
Laura J. Cartner
Jeremy B. Cohen
Douglas S. Dibbert
Joseph S. Ferrell
Jeffrey W. Fuchs
Ronald W. Hyatt
H. Scott Jared
L. Michael Johnson
Bryan L. W. Kennedy
James R. Kessler
Brenda W. Kirby
Susan T. Kitchen
David C. Lanier
Gary R. Lloyd
Janora A. McDuffie
Michael B. McFarland
Beverly M. McJunkin
Linda A. Naylor
Derek K. Poarch
William E. Scroggs
Jane C. Smith
Frederick N. Stipe
Edward J. Willis

Credits

Published by the UNC-Chapel Hill offices of Design Services and Publications Services.

Photos by Dan Sears of UNC-Chapel Hill News Services.

Special thanks to the following UNC-Chapel Hill offices: Registrar's Office, Graduate School, News Services, and Printing Services.

This program was printed without the use of state funds.

5,500 copies of this public document were printed at a cost of $5,740.00, $1.04 per copy.

The University *of* North Carolina *at* Chapel Hill