THE UNIVERSITY OF NORTH CAROLINA
AT CHAPEL HILL

DECEMBER COMMENCMENT

SUNDAY
DECEMBER SEVENTEENTH
# Table of Contents

Alma Mater, “Hark the Sound” ......................................................... 2
The Commencement Program ........................................................... 3
The Chancellor .............................................................................. 4
The Commencement Speaker ........................................................... 5
Message from the Chancellor ......................................................... 6
Officers of the Class of 2024 ............................................................ 7
Marshals of the Class of 2024 ........................................................... 7
Graduate and Professional Student Government Executive Board ............ 7
Administrative Board of The Graduate School .................................... 7
Board of Trustees ........................................................................... 7
Degrees Offered .............................................................................. 8
Candidates for Graduate Degrees, December 2023 ................................. 10
Candidates for Postbaccalaureate Professional Degrees, December 2023 .... 14
Ceremony Details ........................................................................... 15
Candidates for Graduate Degrees and Professional Graduate Degrees, December 2023 ........................................ 16
Candidates for Baccalaureate Degrees, December 2023 ......................... 20
Graduate Degrees, August 2023 ...................................................... 26
Carolina Annual Giving and Senior Campaign ..................................... 31
Message for Carolina’s Newest Alumni ................................................. 31
Graduate Degrees and Professional Graduate Degrees, August 2023 .......... 32
Baccalaureate Degrees, August 2023 ................................................ 36
Academic Dress ............................................................................. 40
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 comptroller.

**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.

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**FOR YOUR INFORMATION**

The Commencement ceremony will be captioned on the video screens.*

Every effort has been made to ensure the accuracy of this program’s content. Any omissions or errors are unintentional. The graduates’ names listed in this Commencement program were submitted prior to administering final examinations. Therefore, the inclusion of degree candidates’ names in this program does not represent certification that candidates have satisfactorily completed degree requirements.

Unless special arrangements have been made by departments, diplomas for all December degrees will be printed after graduation and mailed to graduates. For further information, visit the Registrar’s website at registrar.unc.edu/academic-services/ diplomas.

* Captioning by Caption Perfect.

**STAY CONNECTED WITH CAROLINA**

Use #UNCgrad to share your Commencement tweets and photos.

@UNC

facebook.com/uncchapelhill

@uncchapelhill

@uncchapelhill
THE COMMENCEMENT PROGRAM

The University Band  Jeffrey W. Fuchs, Director

Academic Procession  The Faculty Marshal
Jay Aikat, Senior Associate Dean, School of Data Science and Society;
Research Professor, Computer Science
Class of 2024 Officers
The Deans
The Official Party

Presiding  Kevin M. Guskiewicz, Chancellor, The University of North Carolina at Chapel Hill

National Anthem  Taylor K. Loyd, Double Major Music and Psychology

Welcome and Recognition of the Platform Party  Kevin M. Guskiewicz, Chancellor

For the Board of Governors of The University of North Carolina System
Reginald R. Holley, Member

For the Board of Trustees of The University of North Carolina at Chapel Hill
Jennifer Halsey Evans, Member

For the Faculty  Kathryn (Beth) E. Moracco, Chair
For Carolina Alumni  Veronica M. Flaspoehler, President

Commencement Speaker Introduction  Lauryn T. Lovett, President of the Class of 2024

Commencement Address  Samantha Meltzer-Brody, Assad Meymandi Distinguished Professor
Chair, Department of Psychiatry; Director, Center for Women’s Mood Disorders
The University of North Carolina at Chapel Hill

Recognition of Doctoral Candidates  Beth Mayer-Davis, Dean, The Graduate School

Conferring of Degrees  J. Christopher Clemens, Provost
The Deans
Kevin M. Guskiewicz, Chancellor

Ceremonial Recognitions of the Graduates  Phillip Vo, Vice President of the Class of 2024

Chancellor’s Charge to the Graduates  Kevin M. Guskiewicz, Chancellor

HARK THE SOUND
CHAELOR
KEVIN M. GUSKIEWICZ

Kevin M. Guskiewicz is the twelfth chancellor at UNC-Chapel Hill and the Kenan Distinguished Professor of Exercise and Sport Science.

A member of the Carolina faculty since 1995, he is a world-renowned expert on concussions and brain injuries. His research has influenced NCAA and NFL concussion guidelines, and he is co-director of the Matthew Gfeller Sport-Related Traumatic Brain Injury Research Center. Before becoming chancellor, he was dean of the College of Arts & Sciences.

In 2011, Guskiewicz received the prestigious MacArthur Fellowship, commonly known as a “genius grant.” Time magazine also named him a Game Changer in 2013, one of 18 “innovators and problem-solvers that are inspiring change in America.”

Guskiewicz earned a B.S. in athletic training from West Chester University, an M.S. in exercise physiology/athletic training from the University of Pittsburgh, and a Ph.D. in sports medicine from the University of Virginia.

STAY CONNECTED
Follow Kevin Guskiewicz on social media.

@KevinGuskiewicz

@KevinGuskiewicz
Samantha Meltzer-Brody, M.D., M.P.H. is the Assad Meymandi Distinguished Professor and Chair of the Department of Psychiatry at the University of North Carolina at Chapel Hill. She also directs the UNC Center for Women’s Mood Disorders. As chair, Meltzer-Brody directs one of the largest public university departments of psychiatry in the United States and collaborates with UNC Health and the state of North Carolina on broad-based initiatives to improve mental health.

She is a passionate advocate for innovation and transformation of mental health care. Meltzer-Brody is an internationally recognized physician-scientist in perinatal depression. Her research investigates the epidemiologic and biological predictors of perinatal depression and innovative treatment approaches (pharmacologic and psychotherapeutic), which have taken her across the globe including to sub-Saharan Africa. She had led the MOMS GENES study — the largest global genetic study of postpartum depression (PPD) using app-based tools. She also served as the academic PI for the novel psychopharmacologic clinical trials developing the first FDA approved medication for postpartum depression (brexanolone) and also served an investigator for the newly approved oral drug (zuranolone) for PPD.

Meltzer-Brody was awarded the 2023 NIH Clinical Center Distinguished Clinical Research Scholar and Educator in Residence, named to the 2022 Forbes list of 16 Healthcare Innovators You Should Know, and received the 2020 UNC O. Max Gardner award, a UNC system award (17 universities) for the highest faculty honor. Meltzer-Brody was ranked in 2021 by Expertscape as the number one expert in the world for postpartum depression.
Welcome to your winter 2023 graduation ceremony! You — undergraduate, graduate, and professional students — have made it through the challenges to stand here together on this important day. During your time in Chapel Hill, you’ve demonstrated the core values behind every Carolina degree: hard work, innovation, and curiosity, along with a commitment to service as demonstrated by our world-class faculty and dedicated staff. We are honored to celebrate your success and eager to see what you accomplish next.

To the family and friends, peers, and mentors who have supported our graduates throughout their Carolina journey — thank you. By valuing their education and acting as a source of strength, you have enabled our graduates to rigorously pursue their academics with excellence. Your encouragement and assistance supported our students in their efforts to reach this milestone. You are a valued part of the Carolina community.

Graduates, I hope you never forget what you’ve learned at Carolina. As a proudly and passionately public university, we are at the forefront of facing the grand challenges of our time, both inside and outside the classroom. As chancellor, I’m proud of how you have responded to the problems of our world and look forward to how you will leverage a Carolina education in the future.

Remember, once a Tar Heel, always a Tar Heel. You’ll always have the connections and memories you’ve made here. You’ve gained friends and a support system that will be there for you throughout the years. Today, you join a far-reaching family of Carolina alumni. Generations of graduates stand ready to support you as you rise to the call of becoming another leader serving our many communities near and far.

Congratulations, and as always, Go Heels!

KEVIN M. GUSKIEWICZ
Chancellor
OFFICERS OF THE CLASS OF 2024

Lauryn T. Lovett, Senior Class President
Phil Vo, Senior Class Vice President
Olivia R. Askew, Chief Marshal

MARSHeLS OF THE CLASS OF 2024

Elizabeth G. Andrews
Kyle L. Beaman
Pauline G. Bemah
Evan M. Berkowitch
Nicholas S. Brannan
Mackenna F. Brown
Carlyn Alexandra Calayan
Arianna L. Darden
Adrian G. Donatelli
Kate E. Fread
Jasminne A. Gutierrez
Merytt A. Haney
Sarah F. Haurey
Cheyenne L. High
Cierra J. Hill
Jessica S. Holloway
Caroline A. Hoover
Emily H. Huang
Makayla A. Key
Oyinola A. Lawal
Amanda Lopez-Hernandez
Andrew H. Mattson
Taylor D. Nguyen
Cyria R. Olingou
Addison G. Parrish
Alyssa L. Pittman
Meredith M. Pritchard

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Vimal K. Kolappa
W. M. “Marty” Kotis III
Ralph W. Meekins Sr.
Vinay B. Patel

2023 UNC COMMENCEMENT PROGRAM
The following is a list of all degrees available to students at the University of North Carolina at Chapel Hill.

**UNDERGRADUATE DEGREES**

Bachelor of Arts with a major in: African, African American, and Diaspora Studies; American Studies; Anthropology; Archaeology; Art History; Asian Studies; Asian and Middle Eastern Studies; Biology; Chemistry; Classics; Communication Studies; Computer Science; Contemporary European Studies; Dramatic Art; Economics; English; English and Comparative Literature; Environmental Studies; Exercise and Sport Science; Geography; Geological Sciences; Germanic and Slavic Languages and Literatures; Global Studies; History; Human and Organizational Leadership Development; Interdisciplinary Studies; Latin American Studies; Linguistics; Management and Society; Mathematics; Medical Anthropology; Music; Peace, War, and Defense; Philosophy; Physics; Political Science; Psychology; Public Policy; Religious Studies; Romance Languages; Sociology; Studio Art; Women's and Gender Studies

Bachelor of Arts in Business Journalism

Bachelor of Arts in Education

Bachelor of Arts in Journalism and Mass Communication

Bachelor of Arts in Media and Journalism

Bachelor of Fine Arts

Bachelor of Music

Bachelor of Science with a major in: Biology; Biomedical and Health Sciences Engineering; Chemistry; Computer Science; Earth and Marine Sciences; Economics; Environmental Sciences; Geological Sciences; Mathematics; Neurodiagnostics and Sleep Science; Neuroscience; Physics; Psychology; Statistics and Analytics

Bachelor of Science in Business Administration

Bachelor of Science in Clinical Laboratory Science

Bachelor of Science in Dental Hygiene

Bachelor of Science in Nursing

Bachelor of Science in Public Health with a major in: Biostatistics; Environmental Health Sciences; Health Policy and Management; Nutrition

Bachelor of Science in Radiologic Science

**GRADUATE DEGREES**

Master of Accounting

Master of Applied Professional Studies

Master of Arts in the discipline of: Africana Studies; American Studies; Anthropology; Art History; Asian and Middle Eastern Studies; Biology; Chemistry; Classics; Communication Studies; Digital Communication; Ecology; Education; Educational Innovation, Technology, and Entrepreneurship; English and Comparative Literature; Exercise and Sport Science; Folklore; Geography; German Studies; Global Studies; History; Linguistics; Mathematics; Media and Communication; Musicology; Philosophy; Political Science; Psychology; Public Policy; Religious Studies; Romance Languages and Literatures; School Psychology; Sociology

Master of Arts in Teaching

Master of Business Administration

Master of Clinical Laboratory Science

Master of City and Regional Planning

Master of Education in the discipline of: Education for Experienced Teachers; School Counseling; School Psychology

Master of Fine Arts in the discipline of: Dramatic Art; Studio Art

Master of Healthcare Administration

Master of Health Sciences

Master of Law

Master of Professional Science in the discipline of: Biomedical and Health Informatics; Digital Curation and Management; Regulatory Science; Toxicology

Master of Public Administration

Master of Public Health in the discipline of: Biostatistics; Environmental Sciences and Engineering; Epidemiology; Health Behavior; Health Policy and Management; Maternal and Child Health; Nutrition; Public Health Leadership

Master of Public Policy

Master of Radiologic Science

Master of School Administration

Master of Science in the discipline of: Applied Data Science; Biochemistry and Biophysics; Bioinformatics and Computational Biology; Biology; Biomedical Engineering; Biostatistics; Cell Biology and Physiology; Chemistry; Clinical Mental Health Counseling; Clinical Rehabilitation Counseling; Clinical Rehabilitation and Mental Health Counseling; Computer Science; Dental Hygiene Education; Earth and Marine Sciences; Ecology; Economics; Endodontics; Environmental Sciences and Engineering; Genetics and Molecular Biology; Geological Sciences; Human Movement Science; Management; Marine Sciences; Materials Science; Mathematics; Medical Science; Microbiology and Immunology; Neuroscience; Nutrition; Occupational Science; Occupational Therapy; Operative Dentistry and Biomaterials; Oral and Craniofacial Biomedicine; Oral and Maxillofacial Pathology; Oral and Maxillofacial Radiology; Orthodontics; Pathology; Pediatric Dentistry; Periodontology; Pharmaceutical Sciences; Pharmacology; Physics; Prosthodontics; Speech and Hearing Sciences; Statistics, Analytics and Data Science; Statistics and Operations Research; Toxicology

Master of Science in Clinical Research

Master of Science in Disaster Management

Master of Science in Environmental Engineering

Master of Science in Information Science

Master of Science in Library Science

Master of Science in Nursing

Master of Science in Public Health in the discipline of: Biostatistics; Environmental Sciences and Engineering; Epidemiology; Health Behavior; Health Policy and Management; Maternal and Child Health

Master of Social Work

Doctor of Nursing Practice

Doctor of Philosophy in the discipline of: Africana Studies; American Studies; Anthropology; Art History; Biochemistry and Biophysics; Bioinformatics and Computational Biology; Biology; Biological and Biomedical Science; Biomedical Engineering; Biostatistics;
Business Administration; Cell Biology and Physiology; Chemistry; City and Regional Planning; Classics; Communication Studies; Computer Science; Earth and Marine Sciences; Ecology; Economics; Education; English and Comparative Literature; Environmental Sciences and Engineering; Epidemiology; Genetics and Molecular Biology; Geography; German Studies; Health Behavior; Health Informatics; Health Policy and Management; History; Human Movement Science; Information and Library Science; Materials Science; Maternal and Child Health; Mathematics; Media and Communication; Microbiology and Immunology; Musicology; Neuroscience; Nursing; Nutrition; Occupational Science; Oral and Craniofacial Biomedicine; Pathology; Pharmaceutical Sciences; Pharmacology; Philosophy; Physics; Political Science; Psychology; Public Policy; Religious Studies; Romance Languages and Literatures; School Psychology; Social Work; Sociology; Speech and Hearing Sciences; Statistics and Operations Research; Toxicology

Doctor of Public Health in the discipline of: Biostatistics; Health Behavior; Maternal and Child Health; Nutrition; Public Health Executive Leadership

THE BELL TOWER

The Morehead-Patterson Memorial Bell Tower was given to the University in 1931 by John Motley Morehead III and Rufus Lenoir Patterson. Its 14-bell carillon rings both manually and electronically to call students to class, provide twilight music and serenade the dispersing crowd after football games.

PROFESSIONAL DEGREES

Doctor of Audiology
Doctor of Dental Surgery
Doctor of Education in the discipline of: Curriculum and Instruction; Educational Leadership
Doctor of Medicine
Doctor of Pharmacy
Doctor of Physical Therapy
Juris Doctor
CANDIDATES FOR GRADUATE DEGREES

THE GRADUATE SCHOOL
Est. 1903
Dean Elizabeth Mayer-Davis

DOCTOR OF PHILOSOPHY

Sebastian Acosta-Calle, Chemistry, Leveraging Non-Covalent Interactions for Switchable Catalysis in Organometallic Chemistry. Professor Alexander Miller.
Ishrat Zarina Alam, Epidemiology, Risk and Protective Factors of Rapid Opioid Reduction or Discontinuation and Its Association With Self-Harm Outcomes Among High-Dose Long-Term Opioid Therapy Patients in North Carolina. Professor Shabbar Ranapurwala.
Kimberly Anne Alley, Chemistry, Asymmetric Synthesis of Salicylaldehyde Equivalents to Generate Molecular Complexity. Professor Jeffrey Johnson.
Ashwaq Alzamel, Speech and Hearing Sciences, Digging Beneath the Surface: A Multidimensional Approach to Understanding Sex Differences in Social-Pragmatics in School-Age Children With Autism Spectrum Disorder and Typically Developing Children. Professor Elizabeth Crais.
Pulasthi Shanmanta Amarasinghe, Economics, Migration and Transfers in Extended Family Networks. Professor David Guilkey.
Sarah Shamim Asad, Health Policy and Management, Addressing Multi-Level Determinants of Endometrial Cancer Diagnosis in Black Women. Professor Sarah Birken.
Joëlle Atere-Roberts, Epidemiology, Structural Racism Across the Life Course and Cardiometabolic Health Among Black and White Young Adults. Professor Chantel Martin.
Matthew M. Bowler, Pharmaceutical Sciences, Biocatalytic Diversification of Peptide Libraries Displayed on RNA. Professors Albert Bowers and Nate Hathaway.
Aki Keean Braceros, Biochemistry and Biophysics, Epigenetic Regulation of Gene Expression by Long Non-Coding RNAs. Professor Mauro Calabrese.
Taron Marie Bradshaw, Chemistry, Dual Foreign Body Response Mitigation Strategies for Improving the Analytical Performance of Implantable Glucose Biosensors. Professor Mark Schoenfisch.


Ana Elisa Cartaya Tellechea, Pharmacology, Antioxidant Response Activating Nanoparticles (ARAAPs): Treating Arterial Disease in 3D. Professor Edward Moreira Bahnsen.

Xiaoyan Chen, Chemistry, Biosynthesis of Dithiolopyrrolone Natural Products and Discovery of Antibiotic Combinations. Professor Bo Li.

Qian Cheng, Statistics and Operations Research, A Data-Driven Approach to Describe, Predict, and Reduce Crowding and Health Disparities in an Emergency Department. Professors Nilay Argon and Serhan Yiya.

Rachel Elizabeth Cherney, Genetics and Molecular Biology, Recruitment of PRC2 by IncRNAs. Professor Joseph Calabrese.

Morgan Clark, Physics, Development of a Characterization Facility and Analysis Process for LEGEND-200 HPGe Detectors. Professor John Wilkerson.

Collin Knox Coleman, Environmental Sciences and Engineering, Advancing Test Methods for Point-of-Use Disinfection of Water and Wastewater. Professor Jill Stewart.

Matthew Combs, Pathology, The Role of GRAF RHOA-GAPs in Maintaining Highly Energetic Tissues via Regulation of Mitochondrial Quality Control. Professor Joan Taylor.

Margaret Louise Daly, Materials Science, The Design and Emergent Properties of Supramolecular Peptide-DNA Materials. Professor Ronit Freeman.

Aimee Deconinck, Biology, Impact of Mitonuclear Interactions on Hypoxia Tolerance in Populations of Tigriopus Californicus. Professor Christopher Willett.

Ryan Mitchell DeRuiter, Biomedical Engineering, Developing Imaging Methods and Processing Techniques for Super-Resolution Ultrasound Microvascular Applications. Professor David Lalush.


Carolina Grace Downie, Epidemiology, Inflammatory Mediators of Type 2 Diabetes Risk. Professor Christy Avery.


Devin Effinger, Pharmacology, Sex-Specific Effects of Psychedelic Drug Administration on Stress-Related Brain Region Reactivity and Behavioral Responding. Professor Melissa Herman.

Mohammad Hossein Eybposh, Biomedical Engineering, Deep Learning Methods in Computer-Generated Holography. Professor Nicolas Pegard.


Hannah Friedman, Health Policy and Management, Quality of Care and Hospital Bypass Among Rural Heart Failure Patients. Professor G. Mark Homes.

Nathan William Galliher, Physics, Enabling the Future of Fast Transient Characterization: Building ArgusSpec and Prototyping the Argus Array. Professor Nicholas Law.

Madison Rose Glass, Neurobiology, Cross-Site Reproducibility and Fidelity of Human Cerebral Organoids. Professor Jason Stein.

Jessica Elizabeth Goldblum, Psychology, The Toddler Remote Assessment of Virtual Eye Tracking and Language (Travel) Study: An Eye Tracking and Behavioral Assessment of Joint Attention at Home. Professor Cathi Proppe.

Amanda Leigh Graboski, Pharmacology, Characterization and Inhibition of Gut Microbial Tryptophanase and its Implications in Chronic Kidney Disease. Professor Matthew Redinbo.


Brenanne Marie Hatfield, Chemistry, Characterizing RNA-Protein Interactions and Defining Proximity-Mediated Function of RNA Regulatory Proteins. Professor Kevin Weeks.

Christopher Randolph Haufe, Physics, A Study of Majorana Demonstrator Backgrounds With Bayesian Statistical Modeling. Professor John Wilkerson.


Dylan Andrew Hendy, Pharmaceutical Sciences, Improved Delivery of a Broadly Active Influenza Subunit Vaccine. Professors Kristy Ainslie and Juliane Nguyen.

David Alberto Hervas Aguilar, Physics, Characterizing Bulk Signals in an Inverted Coaxial Point-Contact Detector to Inform Rare-Event Searches. Professor John Wilkerson.

April Highland, Psychology, Behavioral Parent Training Outcomes in Families With Low Income: Exploring the Role of the Family Stress Model. Professor Deborah Jones.

Yun-Chung Hsiao, Environmental Sciences and Engineering, Exploration on Biotransformation and Metabolic Modulation by the Gut Microbiome. Professor Kun Lu.

Lex Hurley, Health Behavior, Assessing Depression and Attributional Styles as Determinants of Engagement in Digital Behavior Change Interventions. Professor Deborah Tate.

Sabrina Elizabeth Iskandar, Pharmaceutical Sciences, Expanding the Chemical Diversity of mRNA Display Libraries With Orthogonal Aminoacyl tRNA Synthetases. Professor Albert Bowers.


Daeun Kim, Epidemiology, Biological and Clinical Implications of Obesity Genomics in Ancestrally Diverse Populations. Professor Kari North.

Taebin Kim, Statistics and Operations Research, Statistical Inference in Computational Pathology. Professors J. S. Marron and Yao Li.

Jasmine King, Pharmaceutical Sciences, Harnessing a Platform Hydrogel Technology and Stem Cell Therapies for Cancer Treatment and Regenerative Medicine. Professor Soumya Benhabbour.

Karina Alexandra Kinghorn, Cell Biology and Physiology, Vesicle Trafficking and Secretion Regulation: The Function of FLT1 Function in VEGF Signaling During Vascular Development. Professor Victoria Bautch.

Elaine Kearney Kowalewski, Biostatistics, Methods to Address Control to Test Treatment Switching for Multi-Visit and Time-to-Event Clinical Trials. Professor Gary Koch.


Brandon David Le, Bioinformatics and Computational Biology, Genetic Effects in Context: Cellular and Molecular Quantitative Trait Loci in Stimulated Human Neural Progenitor Cells. Professor Jason Stein.


Junlang Li, Biomedical Engineering, Minimally Invasive Delivery of Stem Cells and Exosomes for Heart Repair. Professor Ke Cheng.


Marguerite Little, Pharmacology, Determination of Cross-Species Immune Responses From Outer Membrane Vesicle-Based Meningococcal Vaccines to Neisseria Gonorrhoeae. Professors Joseph Duncan and Robert Nicholas.

Allison S. Lowe Reed, Public Policy, Competitors and Collaborators: Exploring Inter-University Effects in the Academic Discipline of Biomedical Engineering. Professor Maryann Feldman.

Tianyou Luo, Biostatistics, Statistical Learning Methods in Imaging Genomics. Professors Hongtuo Zhu and Yun Li.


Joseph Marincel, Physics, Sign Optimization and Quantum Field Theories: Lessons From QCD-Like Models. Professor Gokce Basar.

Rae Anne M. Martinez, Epidemiology, Exploring the Operationalization of Biological Age and Its Relationship to Childhood Adversity and Depression. Professor Allison Aiello.

Laura Elyse McCormick, Cell Biology and Physiology, The E3 Ubiquitin Ligase TRIM9 Regulates Actin Dynamics and Synaptic Function. Professor Stephanie Gupton.

Austin Miller, Chemistry, Key C-C Disconnections Realized via Site-Selective Amidyl Radical Mediated C-C H Functionalization. Professor Erik Alexanian.

Adil Muneer, Biochemistry and Biophysics, Non-Canonical Translation Regulatory Function of G9A in Chronic Inflammation Associated Diseases. Professor Xian Chen.


Matthew Niederhuber, Genetics and Molecular Biology, Fine-Tuning Enhancer Activity in Development. Professor Daniel McKay.

Carl I Opland, Neurobiology, Investigating Tau Mediated Toxicity in Alzheimer’s Disease and the Protein Complex Responsible for Tau Cleavage. Professor Todd Cohen.

Micah Papanikolas, Materials Science, Supramolecular Assembly of Mucins Instructs Health and Disease. Professor Ronit Freeman.

Emily Eidenier Pearce, Health Behavior, The Experience and Management of Medical Uncertainty in Telomere Biology Disorders. Professors Melissa Gilkey and Kurt Ribisl.

Victoria Petermann, Nursing, Evaluating the Role of Contextual Factors in Access to Care for Endometrial Cancer Patients. Professor Jennifer Leeman.

Jackson Jon Peterson, Microbiology and Immunology, The Molecular Basis of HIV-1 Latency Initiation and Maintenance. Professors Edward Brown and David Margolis.

Haley Elizabeth Plaas, Environmental Sciences and Engineering, Understanding the Impacts of Harmful Cyanobacterial Blooms on Air Quality. Hans Paerl.


Anna Leigh Reine, Physics, An Improved Background Model and Two-Neutrino Double-Beta Decay Measurement for the Majorana Demonstrator. Professor John Wilkerson.


Neyen Romero, Chemistry, Transition Metal-Based Silylium Transfer Mechanisms for Catalysis. Professor Michel Gagne.


Emma M. Rosen, Epidemiology, Phthalates and Replacements: Longitudinal Assessment of Levels, Sources, and Associations With Placental Measures. Professors Stephanie Engel and Kelly Ferguson.

Ryan Sayko, Chemistry, Coarse-Grained Molecular Dynamics Simulations of Degradation of Block Copolymers and Scaling Theory of Polymer Solution Characterization. Professor Andrey Dobrynin.

Erin Graham Sley, Epidemiology, Modifiable Risk Factors for Orofacial Clefts Among Hispanic and Non-Hispanic Individuals in the United States. Professor Andrew Olshan.


Maria A. Stevens, Health Policy and Management, The Influence of Vulnerability on the Treatment and Outcomes for Opioid Use Disorder Among People who Present to the Emergency Department With an Opioid-Related Diagnosis. Professors Kristin Reiter and Valerie Lewis.

Yuan Tian, Chemistry, Bulk and Interfacial Properties of Soft Polymer Materials. Professor Andrey Dobrynin.

Thanh Vu, Computer Science, Toward Efficient and Robust Computer Vision for Large-Scale Edge Applications. Professor Jan-Michael Frahm.

Ian Andrew Windham, Cell Biology and Physiology, Lipid Droplet Targeting and Function of Apolipoprotein E. Professor Sarah Cohen.


Chao Zhao, Computer Science, Text Summarization Under Low Supervision. Professor Snigdha Chaturvedi.

DOCTOR OF NURSING PRACTICE

Christine Detwiler, Nursing Practice, Delirium Risk Assessment and the Effect on Administration of Four Adjuvant Anesthetics. Professor Ashley Kellish.

Christina Greeson, Nursing Practice, Pediatric Feeding Disorder: A Quality Improvement Initiative to Improve Documentation in the Psychosocial Domain. Professor Eric Hodges.

Madison Morgan, *Nursing Practice*, Piloting Ethics-Focused Debriefing to Address Nurse Manager Moral Distress: A Quality Improvement Project. Professor Ashley Bryant.

**DOCTOR OF PUBLIC HEALTH**


Melanie Gleiman Phelps, *Health Policy and Management*, Expanding the Use of Doulas to Improve Maternal and Birth Outcomes in North Carolina. Professors Christopher Shea and Valerie Lewis.

CANDIDATES FOR POSTBACCALAUREATE PROFESSIONAL DEGREES

DECEMBER 2023

THE SCHOOL OF LAW
Est. 1843
Dean Martin H. Brinkley

THE UNC ESHELMAN SCHOOL OF PHARMACY
Est. 1897
Dean Angela Kashuba

JURIS DOCTOR
Kizhan Clarke
Michael R. Hall
William Marshall Rhyne

DOCTOR OF PHARMACY
Nooria S. Sajjad

THE SCHOOL OF MEDICINE
Est. 1879
Dean Wesley Burks

DOCTOR OF MEDICINE
Alexander M. Cruz Walma
Abigail Frazier
Andrew John Herr

THE OLD WELL
At the heart of the campus stands the visual symbol of the University of North Carolina at Chapel Hill. For many years the Old Well served as the sole water supply for Old East and Old West dormitories. In 1897, the well was given its present decorative form at the direction of President Edwin A. Alderman, who described his beautification project as largely derived from the Temple of Love in the Garden of Versailles. In 1954, the well was given added beauty with brick walks, plantings and benches. Legend holds that students can bring good luck with a drink from the Old Well on the first day of classes.
CEREMONY DETAILS

THE CHANCELLOR’S MEDAL

The chancellor’s medal, an emblem of the office of chancellor, is worn during the University’s ceremonial occasions. The sterling silver disk, which is three inches in diameter and seven ounces Troy weight, was given to the University by John Sanders, professor emeritus and former director of the UNC Institute of Government, and his wife, Ann Beal Sanders. Modeled by sculptor Pete Hinton and bearing the University seal, it was first worn by Chancellor Paul Hardin during the 1994 University Day convocation. The medal was recently updated with a silver chain of office that includes thin rectangles engraved with the names and dates of service of previous UNC chancellors. It also features links made in the shape of the Old Well and the Davie Poplar leaves, both icons of the Carolina campus.

THE BICENTENNIAL STAFF

The faculty marshal carries the bicentennial staff while leading the faculty procession on ceremonial occasions such as Commencement and University Day. The staff, commissioned for the University’s 1993 bicentennial celebration by John Sanders, professor emeritus and former director of the UNC Institute of Government, and his wife, Ann Beal Sanders, was modeled by sculptor Pete Hinton. It consists of a sterling silver three-inch-high replica of the Old Well mounted on a turned and tapered oak shaft. The shaft was made from timber salvaged from the 1822 section of Old West residence hall during its 1991-1993 renovation.

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 19th 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.

THE UNIVERSITY SEAL

The University seal typically appears on diplomas and graduation materials, grade transcripts and documents that indicate accomplishment in or on behalf of the University.

The first seal of the University of North Carolina, designed in 1790, showed the face of Apollo and his emblem, the rising sun, used to symbolize the dawn of higher education in the state. The words “SIGUL UNIVERSITAT CAROL SEPTENT” (Seal of the University of North Carolina) surrounded the drawing.

A modification in 1895 added lighted torches of learning beside Apollo’s profile. Two years later another alteration replaced Apollo’s head with a shield on which the words Lux (light) and Libertas (liberty), separated by a white band running from the upper right to the lower left of the shield, appeared.

In the 1940s, some observers mistakenly claimed the white stripe on the shield was a bend sinister, a heraldic code that was demeaning. In truth, the stripe was a bar sinister and merely denoted a second or later son. Still, the direction of the stripe was reversed, removing any question of stigma.

Today’s seal is the same as the 1897 version, except the stripe runs from the upper left to the lower right.
CANDIDATES FOR GRADUATE AND PROFESSIONAL GRADUATE DEGREES

DECEMBER 2023

THE GRADUATE SCHOOL
Est. 1903
Dean Elizabeth Mayer-Davis

MASTER OF ARTS
Anthropology
Regina Marie Lowe
Asian and Middle Eastern Studies
Kun Meng
Chemistry
Brayden Carty
Charlotte Ann Ridgway
Samuel Joseph Albert Van Amberg
Classics
Valerie Sydorenko
Digital Communication
Virginia Leigh Annable
Scott Andrew Behm
Katherine Jean Brown
Ellen Gwin Burnette
Philine C. Charles
Alison Crisci
Kelly Dillon Davis
Erin Noelle Fabian
Ashley Rossi Fallon
Karen Michele Hoch
Addison Rose Hutchins
Nurviana Mubtadi
Kenna Marie Pell
Meghan Rushing
Megan Lynn Zehnder
English and Comparative Literature
Jenna Suzanne Gordon
Ian Sawyer
Exercise and Sport Science
Madeline Ann Schulz
German Studies
Merlin Ganzvoort
Ameliah Elizabeth Leonhardt
Luca Pixner
Wei Quan
Linguistics
Trey Anthony
Andrew Tate Knudsen
Rebecca C. Winters
Media and Communication
Elizabeth Nicole Anderson
Florence Maria Loncan
Sarah Anne Padyk
Political Science
Tyler Stevens Anthony
Neil Doughty
Lara Hansen
Clayton Isaac Petty
Psychology
Catherine J. Berman
Grace Hadley Cain
Anne Marie Dankert
Grace Mae Elliott
Flavio Frohlich
Amanda Katharine Haik
Madison Paige McCall
Jose Nicolas Murguetio Meneses
Sophie G. Paolizzi
Pedro Luis Rodriguez-Echemendia
Min Sung Seo
Honoka Lee Suzuki
Yexinyu Yang
Yining Ye
Religious Studies
John Lain Miller
Sociology
Imad Alatas
Jarvis Benson
Christopher Kendrick Brehm
Jacob Brennan Conley
Kaitlin Hope Joshua
Ian Alexander Wallace
Jordan Young
MASTER OF APPLIED PROFESSIONAL STUDIES
British Brooks
Benjamin Lee Fleming
Quentin Emeric Huerman
Collin Scott Travasos
Vemund Hole Vik

Biostatistics
Shravani Chitineni
Yujia Li
Pei Yu Shih
Jiarui Tang
Andrew Joseph Walther
Joe Xiaotong Yi
Chemistry
Rebecca Lynn Beres
Computer Science
Joseph Goh
Matthew Raymond Gregoire
Mahathir Monjur
Aidan Carter Scott
Meghan Leone Stuart
Zachery Randal Tuggle
Kenya Lucero Vázquez Martínez
Economics
Michaela Faith Hartman
Roberto Fernando Lagos Mondragon
Junsu Pan
Environmental Sciences and Engineering
Adrienne Michelle Lambert
Christina Marie Petagna
Geological Sciences
Sydney Alyse Maguire
Management
Kyung Suk Lee
Rebecca Jane Manning
Elyse Susan Rich
Marine Sciences
Caroline Rae Cooper
Mathematics
Aubrey Leary
Laura Katherine Short
Medical Science
Jessica Margaret Buddenbaum
Madison Long
Noah Benjamin Ziegler Steege
Microbiology and Immunology
Ean Karl Spielvogel
Brenda Lee Ann Fogolin
Christopher Geiger
Alice Sara Goldstein
Shay Anna Greene
Lynda Michelle Hayes
Damon Todd Hiner
Eriu Elizabeth Hutchison
Nicholas Inman
Sargis Ivanov
Caitlyn Marie Jacobsen
Wasakar Juarez
Lisa Carol Kelley
Devan Kruger
Luis Julio Lucas
Kritaarth Mahankali
Emma Regina Mikolaitis
Gregory Miller
Denny Mohler
Iio Morag
Lyndsay Michelle Orwig
Matthew Norman Osborn
Miller Otstott
Manuel Francisco Perez-Carrillo III
Kaylee Mackenzie Pettus
Morgan Anna-Marie Pilock
Michael John Podbelski
Brandon Reiter
Maria B. Renner
Sarika Danielle Robinson
Heather Primm Salameh
Bryce William Sigmon
Chad Bryan Simons
Celina Sara Smith
Dustin John Smith
Casey Alexandra Vattimo
Charlotte Monee Wade
Ann Davis Weber
Christopher Alexander White
Kenneth Williams

Occlusion Therapy
Kearstyn Leigh Brown
Lacy Ayn Chronister
Khalil Jamaal Curry

Physics
Madyson Gabryelle Barber
David Joseph Stilwell Jr.

Statistics, Analytics and Data Science
Ram Sankar Basak

THE KENAN-FLAGLER BUSINESS SCHOOL
Est. 1919
Dean Mary Margaret Frank

MASTER OF ACCOUNTING
Malarie Alberta Alexis
Noor Ali
Mohammad Raiyan Arman
Zachariah Bacchus
Christin Heather Baker
Ashley Christine Barnes
Noah Greer Barnett
Andrew Stephen Brown
Nicholas John Brown
Maclean Paul Bucy
LiFei Dong
Tyler Cameron Downing
Nicholas Tucker Emken
Daniel Peyton Fogarty
Brenda Lee Ann Fogolin
Christopher Geiger
Alice Sara Goldstein
Shay Anna Greene
Lynda Michelle Hayes
Damon Todd Hiner
Eriu Elizabeth Hutchison
Nicholas Inman
Sargis Ivanov
Caitlyn Marie Jacobsen
Wasakar Juarez
Lisa Carol Kelley
Devan Kruger
Luis Julio Lucas
Kritaarth Mahankali
Emma Regina Mikolaitis
Gregory Miller
Denny Mohler
Iio Morag
Lyndsay Michelle Orwig
Matthew Norman Osborn
Miller Otstott
Manuel Francisco Perez-Carrillo III
Kaylee Mackenzie Pettus
Morgan Anna-Marie Pilock
Michael John Podbelski
Brandon Reiter
Maria B. Renner
Sarika Danielle Robinson
Heather Primm Salameh
Bryce William Sigmon
Chad Bryan Simons
Celina Sara Smith
Dustin John Smith
Casey Alexandra Vattimo
Charlotte Monee Wade
Ann Davis Weber
Christopher Alexander White
Kenneth Williams
Erin Nicole Wingard
Marc Joseph Wyzkowski II
Ronald Zabala

MASTER OF BUSINESS ADMINISTRATION
Ayanna Kayi Adams
William Agudelo
Fawzi Husam Ali
Mohammed Manzor Ali
Mary Robinson Allen
David Keene Aller
Amit Anand
Brian Martin Anderson
Matthew J. Anderson
William Anderson
Alan Arnold
Sasikumar Arumugam
Kyle Robert Ayers
David Harris Baker Jr.
Mark David Balderson
Scott Hamilton Barbee
Jake A. Bargas
Jay Kyle Barker
Aaron Gordon Barnes
Michael Todd Barnes
Yarwon Barto
Rhonda Tadlock Barwick
Casey Lee Betancur Jr.
John Gray Beverley III
Surya Bhattacharyya
Christina Bird
Evan Bleiler
Scott Bowden
Ian Boyd
Sean Boyle
Jessica I. Brantley
Sara Kropp Brewbaker

Stefan Robert Brewer
David Adam Brooks
Robert Joseph Brown
William R. Bryant
Katelyn Laine Buffett
Nathan Andrew Burian
James Daniel Burrow
Andrew Hunt Butler
Briana Buxbaum
Una H. Bye
Brian Cain
Giancarlo Calla
Meagan Elizabeth Capra
Adam Daniel Chandler
Michael Henry Chang
Andrea Janelle Charles
Justin Ciaramitaro
Lauren Hye-Jin Clapper
Christopher Scott Clary
John Clay
Oliver Miles Clemmons
Jason Cofone
Zachary Michael Cogan
Shannon Rita Connaghan
Carrington Lyerly Connell
Kieran Christopher Connolly
Deana C. Cook
Margaret Patricia Cooper
Salvatore Joseph Costanzo
David Paul Crowley
Bobby Cunningham
Karthik Dabeeru
Sukant Kumar Dash
Salina Dayton
Jonathan Michael Deleon
Vivian Rita Dembski
Hayley Theone Derscheid
Tejas Desai
Steven Tyler Dickmann
Alexandra Dixon-Ernst
Christian Nickodem Don
Antonio Manuel Dos Santos
Calisto Pato
Trenton Douglass Douglass
Sean Dummitt
Martin Jerzy Duszyński
Anna Katherine Elia
Mary Elizabeth Mohamed Elkordy
Jordan Elizabeth Elliott
Omosefu Emokpae
James Michael Ensor
James Patrick Griffin
James Michael Ensor
Jordan Elizabeth Elliott
Justin Blake Joiner
Jerod Lee Gabrielson
Jonathan T Jin
James Anthony Jernigan
Jeremy S Jefferson
Alexander Lawrence Hardison
Ashley Nicole Gray
Vanessa Lynn Fernandez
Anna Katherine Elia
Adam Joseph Kaminski
Jeffrey Michael Kefler
Christian Pilar Kerns
Md Adnan Khan
Bethany Lake King
Jeffrey James Kinson
Georgy Igorevich Kinyaevsky
Julian Koemenan
John Andrew Kuconis
Vladislava D. Kukuy
Sumitro Kurniawan
Michael Richard Larrabee
Daniel Hyun Joon Lee
Evan M. Lee
YoungJae Lee
James M. Leenhouts
Gary Patrick David Leicht
Frederick William Lengemann III
Benjamin N. Lind
Caroline Shaughnessy Littlefield
Jamir Livingston
Douglas Wysong Logan
Sarah Loucks
Garrison Michael Lutz
John Conrad Lynch
David Michael Lyons
John Reuss Mackowiak
Goutham Mada
Shiva Chaitanya Madduru
Breanna Jade Madrazo
Meirong Wang Magee
Todd Michael Marquez
Kaitlin Elizabeth Marvin
Christian Mattutat
David Angelo McDougall
Brian McKibben
Ryan Patrick Mcloughlin
Joseph Dean Meakem
Theophilus Meideiros
Jessica Milligan Meisinger
Christian Peter Merkel
Joseph Wayne Mills
Roma Wasylyna Minutenko
Dena S. Motfah
John Isaac Moore
Matthew Blake Moore
Risa Mori
Patrick Ryan Mouch
Michael G. Mulroe
Nishil Dilip Naik
Tim Henry Nordbrook
Colleen Kelley O’Connor
Wesley Oglesby
Christopher Rajan O’Mara
Allison Eileen Ortega-Luo
Jacqueline L. Orth
Chad Allan Ott
Matthew Daniel Miller Owings
Kayla Marie Pack
Satya Neha Palakodety
Jason Bradley Palmquist
Anthony John Paquin Jr.
Gardner Reed Parker
Kristen Alane Parr
Benjamin Rey Partridge
Chirayu S. Patel
Karan Sanjay Patel
Joshua Stephen Pcsolyar
Joyce Pesantes-Velez
Alec Robert Petitpren
Michael Petraske Jr.
Lizzie Peyton
Parag Madhav Phadke
Jocobly Phillips
Tylor Phillips
Amy Lynn Pierce
Anusha Pillay
Christopher Michael Pircher
Scott Pozil
Zachary Prill
Victor Primov
Ketan Sandeep Rahangdale
Rahul Raj
Shakti Ramkisson
Andrea Lambert Raymond
Nathan Andrew Reed
Sean Francis Reilly
Zachary Stone Rideout
Seth Riggins
Bryan Hanif Mishad Roberts
Conner Scott Rogers
Alejandro Javier Romero
Anthony John Rossello
Genevieve Roth
Alesha Rusk
Kelsey Ann Ryan
Remy Thomas Wilfrid Suffar
Abdulhakim Safi
Samuel Wells Saleeby
Dara Sanii
Srijan Sareen
Mark David Sauceda
Supreeth Eswaraiah Savithri
Ashley Saxon
Bradford R. Scott Schauffert
Ryan Erik Schulze
Joanne Elizabeth Schwoer
Timothy Richard Shadyc
Rayna Shah
Lindsay Kakavas Shakarjian
Bhavna Shankar
Nithya B. Sharma
Vishal Vasant Shinde
Rebecca Leigh Shultz
Kelsey Lynn Siler
Garrick Philip Sin
Matthew Siragusa
Matthew M. Slater
Natisha B. Sloley-Hamilton
Morgan Menzies Smith
Douglas Adam Softy
Srikanta Prasad Sondekoppam
Vijayashankar
Ryan James Stalnaker
Daniel Lee Christion Starr
Tiffany Stephens
Michael Vincent Stimpfel
Gabrielle Kathleen Storment
Joseph F. Strahl
Ryan E. Strang
Gregory Sugalski
Zachary Sunderland
Uzayr Taher
Terance Takyi
Ashley Brooke Tedstone
Brandon C. Temple
Stassavaria Thompson
Apryl Achaia Shabahn Tillman
Patrick Christopher Toy
Joshua Tseng
Callie Frances Turlington
Reid Alexey Van Syckle
Nallely Jael Vazquez
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Sundareswaran Venkataraman
Svetlana Vestel
Andrew Viana Sr.
Brian Kevin Walsh
John F. Walsh IV
Collins E. Walston
Justin Dean Warden
Jacob Randall Ware
Andrew Wayne
David Christopher Weddle
Darren Eric Weiser
Amy Yancy White
Rohan Chandana Wijewickrama
Brian James Wilkins
Amy Nicole Williams
Nikesh Williams
Brian M. Wilson
Kyle Grady Workman
Nathan Wright
Ai-Juan Wu
Michael William Young
Chia Ming Yu
Shima Ziae

THE SCHOOL OF GOVERNMENT

Est. 2001
Dean Aimee N. Wall

MASTER OF PUBLIC ADMINISTRATION

Nicholas Allan Debo
Jonathan Douglass Hill
Hogan Eastwood Medlin
Wesley Merritt
Julia Murphy
Jackson Alexander Blythe
Peterson
David Schexnayder
Mariel Yukie Downes Takamura
Dai Thi Tworek
Rachel Lynn Werz
Amanda Poole Wesson

2023 UNC COMMENCEMENT PROGRAM
THE SCHOOL OF INFORMATION AND LIBRARY SCIENCE
Est. 1931
Dean Gary Marchionini

MASTER OF SCIENCE IN INFORMATION SCIENCE
Elizabeth Anna Allen
Amber Nichole Artis
Yunbing Bai
Yunwei Cao
Ruihan Chen
Shannon Harvey
Lilyan Elizabeth Hinson
Binhang Li
Wenchenghao Pian
Sarah F. Throm
Hangyu Wang
Ziyue Wang
Xiao Wu
Chi Xu
Yuyu Zhang

THE SCHOOL OF MEDICINE
Est. 1879
Dean Wesley Burks

MASTER OF CLINICAL LABORATORY SCIENCE
Jesse Hansford Bethany
Ross Edward Herman
Rachel Suzanne Lyons
Chelsea Leann Romero
Lev Quinn Rosenberger

THE SCHOOL OF NURSING
Est. 1950
Dean Valerie Howard

MASTER OF SCIENCE IN NURSING
Kelly W. Clark
Jama A. Forrest
Lorelei Vera Hamlin
Meaghan Elizabeth Kelleher
Ashley Meerbergen Kelly
Kyle Sullivan Smith Pendragon
Jessica Ann Rudolph
Amanda W. Williams

THE UNC GILLINGS SCHOOL OF GLOBAL PUBLIC HEALTH
Est. 1939
Dean Nancy Messonnier

MASTER OF HEALTHCARE ADMINISTRATION
Brooke Altieri
Amy J. Armstrong
Jonathan Barrett
James Frederick Carlson
Lauren Mae Carpenito
Amanda G. Couch
Francisco Cruz Mendez
Justine Jessica-Simone Dawes
Otiyana Sade’ Dickerson
Mia Elizabeth Freeland
Richard Earl Furgeson
Erin Ashley Haines
Shyam Parshottam Kasundra
Chirag Khandelwal
Sung-Yong David Kim
Sarah A. Kokosa
Kelly Gagnon Kress
Udochukwu Jason Nkwazema
Armando Quinones-Cruz
Richard Todd Rozzier Jr.
Amanda Sanchez
Jaleesa Shepard
Dayanara Valentín-Rodriguez
Jenny Kim Yo
Maria Camila Wels

M.-S. IN RADILOGIC SCIENCE
Tyler Matthew Belleau
Amy A. Coldiron
Terry Herzog
Kistner Yvonne Javorski
Nicholas Mazzuca
Kelly Lauren McHugh
Francis Solis Reyes III

M.-S. IN CLINICAL RESEARCH
Kelly Marie Chamberlin

M.-S. IN MEDICINE
Amber R. Denning
Lindsay Martin Kimbrell

MASTER OF HEALTH SCIENCES
Physician Assistant Studies
Emma Jane Balek
Hannah Marie Balicki
Abigail Christine Bennett
Victoria Belle Churchill
Charlotte Rollinson Crumpton
Hannah Elizabeth Eckert

2023 UNC COMMENCEMENT PROGRAM
## CANDIDATES FOR BACCALAUREATE DEGREES

### DEGREES WITH DISTINCTION

To graduate with distinction or with highest distinction, undergraduate students must have completed at least 45 academic hours at UNC-Chapel Hill and have an overall grade point average of at least 3.5 or 3.8, respectively.

### HONORS CAROLINA

Honors Carolina is an outstanding collection of courses, special events, and learning opportunities geared toward the top students at Carolina. It is the University’s way of investing in exceptional undergraduate students by providing academic and non-academic challenges and opportunities, both inside and outside the classroom. Honors Carolina students receive priority registration for more than 160 Honors courses each year. These are small classes, taught by professors who encourage classroom discussion and hands-on research.

Students who wish to graduate from Carolina "with Honors" or "with Highest Honors" must complete a senior honors thesis project in their major field(s) of study. Such students need not have been members of Honors Carolina. They must, however, meet academic eligibility standards set by Honors Carolina and the individual departments, curricula, and professional schools that sponsor senior honors thesis programs. Senior honors thesis students must complete an original and substantial research, performance, or creative project under direct supervision by a faculty advisor. Upon the completion of their projects, students must pass an oral examination or other appropriate form of evaluation.

- Indicates candidate for degree from N.C. State University.
- Indicates probable candidate for degree with distinction or highest distinction based on grade point average going into the final semester.
+ Indicates Honors recipient.
++ Indicates Highest Honors recipient.

### THE COLLEGE OF ARTS AND SCIENCES

**Est. 1795**
Dean James W.C. White

#### BACHELOR OF ARTS

- **African, African American, and Diaspora Studies**
  - Thomas Dean Buchanan*
  - Niya Friday*
  - Mariah Jade McCann
  - Monique Fulshon Ward*

- **American Studies**
  - Juanita Paz-Chalacha*
  - Alycin Kristine Ray*
  - Monique Fulshon Ward*

- **Anthropology**
  - Kristina Frances Hefferle*
  - Ali Masood Khan*
  - Juanita Paz-Chalacha*
  - Jordan Adriana Pugh
  - Levi R. Tox Williams*

- **Archaeology**
  - Elizabeth Grace Black*

- **Art History**
  - Anna Katherine Baechtold*

- **Asian Studies and Middle Eastern Studies**
  - Seraphina Gwendolyn Ingledue
  - In Won Jung
  - Elizabeth Cung Nei Par Sunthang
  - Shufan Tang*
  - Catherine Delaney Williamson

- **Biology**
  - Kayla D. Allen
  - Matthew Ivan Baldwin
  - Summer Haley Bowman*
  - Chloe Mackenzie Breedlove*
  - German Eduardo Diaz-Garcia
  - Sagarra Alexis Dunlap
  - Jordyn Francis Earl
  - Diante Maleek Fields

- Emma Marie Fowler
- Nigel Malik Goins
- Annabel Claire Hinkle*
- Tatum Grace Janke
- Tyler James Johnson*
- Sundeep Kaur*
- Justin Christopher Lawrence*
- Samuel James Loyack
- Brenna Nicole Mehli*
- Anajancy Melchor Garcia
- Mohamed Moazeb
- Lauren Alexis Mobley
- Camilo Montoya
- Oscar Meigs Needham IV
- Ugoshi Ihuoma Onuh
- Molly Ruebusch*
- Isabelle Nicole Sechrest
- Wendy Karina Showalter*
- Jaylin Elle Singletary
- Ellen Lee Weaver
- Maham Aman
- Kaden Ryan Bialock*
- James Campbell Bowling
- Isabella Maria Chow Kai Reyes
- Amyeyoi Enyonam Shalom
- Kpodzo
- Samuel James Loyack
- Ashlee Michaela Propst
- Mariela Sofia Solorzano
- Kay Arden Youngstrom*
- Alejandro David Zavaleta
- Lily Li Brown
- Andrea Elizabeth Alecse*
- William Gregory Barnes
- Isaac J. Brown
- Parker Lillian Brown*
- Kevin Jia Wei Cao*
- Isabella Chase*
- John Foster Copenhaver
- Emily Elizabeth Cowie
- Isabel McRae Cox
- Ambrosia Donne DeConto
- Kaylee Dhamra
- Logan Michael Dumke*

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2023 UNC COMMENCEMENT PROGRAM
Jordyn Francis Earl
Jackson Robert Ellenburg*
Aliya Shauntelle Gill
Sydney Leigh Hancock* 
Zachary David Hannay
John Coleman Hayes
Oriet Grace Hemenway*
Kevin Hester Jr.
Gracie Flora Jauch
Lucas Alexander Lashley-Zimmerman*
Evelyn Roslyn Achiaa Moses
Myles Franklin Murphy
Dairon De La Caridad Perez Jimenez*
Nathaniel Jenkins Proctor*
Amilia Quinn Rumley*
Mi Chan Saik
Junyi Song*
Lauren Anice Thompson*
Skylar Marie White*
Rhonda Regina Wilson
Sammelia Witherspoon
Matheson Anne York

Computer Science
Zackari Hussein Abdikarim
Simmi Agarwal*
Chase Frederick Allen
Cameron Riley Burhans
Tanat Charoenpot
Michael Stuart Connery
Mateo Correa Risso*
William Garcia-Sanchez
Nicholas Imperato
Frank James Jacobs Jr.
Logan Wynne Joyner*

Ethan Witney Kompathoum
Khalil T Le* 
Mengxin Liao*
Aayush Mehra
Cassidy Phan Nguyen
Manas Raj Panchavati
Gustavo A. Rios
Davis Hartwell Smith
Koby P. Whitaker
Lance Emerson Whitley*
Sofia Elizabeth Wong*

Contemporary European Studies
Paige Elizabeth Baldelli*

Dramatic Art
Kenneth Omar Feliciano Ortiz
Benjamin Rabun Ketchum*
Nathaniel Jenkins Proctor*

Economics
Hunter Neil Andresen
Elia Christian Arana
Hunter Bennett*
Albert Bright II*
Riley Andrew Burns
Benjamin Gardner Burris
Jelani Dione Kudumu Bynum
Gabrielle Victoria Carriere
James G. Cataldo
Qiuyu Chen
Tyler McLouis Clayton
Ainslee Virginia Conrad*
William Troupe Dominici
Jerrod Duell
Charles William Duross*
Bryson Alexander Ellis
Andrey Gettinger
Bryce A. Gilbert

English and Comparative Literature
Emily Anne Baker*
Julia Ley Pei Barnett*
Taylor Beth Barnhill*+
Kedrick Semaj Bingley-Jones

Contemporary European Studies
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English and Comparative Literature
Emily Anne Baker*
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English and Comparative Literature
Emily Anne Baker*
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Paige Elizabeth Baldelli*

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Kenneth Omar Feliciano Ortiz
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Albert Bright II*
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Jelani Dione Kudumu Bynum
Gabrielle Victoria Carriere
James G. Cataldo
Qiuyu Chen
Tyler McLouis Clayton
Ainslee Virginia Conrad*
William Troupe Dominici
Jerrod Duell
Charles William Duross*
Bryson Alexander Ellis
Andrey Gettinger
Bryce A. Gilbert

English and Comparative Literature
Emily Anne Baker*
Julia Ley Pei Barnett*
Taylor Beth Barnhill*+
Lauren Elaine Richards*  
William John Phillips Rogers*  
Margaret Elizabeth Seets*  
Alya Suayah*  
Caroline McKenzie Teague*  
Mary Katherine Thompson*  
Stefany Azucena Torres*  
Jacob Larsen Turner*  
William Vaught  
Russell Philip Warren*  
Oscar Sprague Watkins  
Gibson Anderson Weber*  
Skyler Marie White  
Lilly Ann Williams  

Psychology  
Nathaniel Ayodele Adamolekun*  
Hua Bai*  
Lexi Ilana Bernstein*  
Adrienne Patrice Brummett*  
Caleb David Chess  
Aventon Dale  
Haley Madison Davis  
Morgan Elyse Davis*  
Kaitlyn Elizabeth Albina Deeds  
Madelyn Avery Eaton  
Jeffrey John Fasking  
Thomas Andrew Gilmore*  
Emma Suzann Goodson*  
Sirna B. Goolbis  
Grace Anne Kisting*  
Cheyanne Nevaeh Jacobs  
Sirinta B  Goolbis*  
Stefany Azucena Torres*  
Caroline McKenzie Teague*  
Madelyn Avery Eaton  
Mary Katherine Thompson*  
Psychology  

Religious Studies  
Holly Tatum Lockhead*  
Katherine Grace Redenbaugh*  

Romance Languages  
Alyssa Lauren Braddy*  
Lola Bleu Hooper*  
Cori Hope Lubsen*  
Lacey Elizabeth Ragan  
Olivia Esther Soto-Allison*  
Laura Graciela Zapata  

Sociology  
Shamaa Abd Mosaid Ali  
C’Asia Nykira Allen*+  
Paige Elizabeth Baldele*  
Stephanie Marie Bartlett  
Jonas Madison Brock  
Madelyn Avery Eaton  
Brooke Benari Harris  
Maxine Edde U’Net Hicklin  
Emmaus William Holder*++  
Imani Monica Russell*  
Olivia Reagan Tordella*  

Studio Art  
Gabrielle R. Bartshe*  
Dana Rose Bumbalo*  
Magen Amanda Elliott  

Women’s and Gender Studies  
Sarah Francis Stewart  
Jada Army Carol Weyand*  

BACHELOR OF FINE ARTS  
Nicole Blevins  
Madison Brooke Speyer  

BACHELOR OF MUSIC  
Blayne Owens  
Nijah Cheyenne Potete  
William Smithdel Woodruff  

BACHELOR OF SCIENCE  
Biography  
Sinead Esther Beausang*  
Grayson Markert Coleman+  
Alena Rose Craddock  
Emma Elizabeth Craver  
Hailey Dodson*  
Stephen Andrew Ehrenzeller*  
Annika Gregg*  
Analise N. Griffiths*  
Kristina Frances Hefferle*  
Lizette Herrschaft*  
Grace Anne Hodges*  
Hamza Jahangir  
Vandanaa Jayaprakash*++  
Amy Jiang*  
John Christopher Kees*++  
Grace Anne Kisting*  
Justin Yu-Wei Lee  
Karen Jan Li*++  
Madeline Violet Loos*++  
Hannah Elizabeth Maniattu*  
Jaden Joseph Moore  
Janet K. Nguyen  
Jordyn Elizabeth Niewold*  
Erik David Norloff*+  
Julia Riley Packard*  
Sagar Pandit  
Markus Dentz Parson  
Aashita Singh Rajput*  
Aurora Jaimee Read  
Gretchen Marie Reese*  
Tanner Allen Richards*  
Sophie Brynn Robinson  
Riya Nitesh Shah*++  
Molly Shaughnessy*  
Matthew Wilson Shaw  
John Armstrong Shriver*  
Emily Elizabeth Silvoy  
George Stephen Stephenson  
Kyler Jacob Todd*  
Yarema Touprong  
Allison Wei Hui Tu  
Soorya None Vasan*  
David Vashakidze  
Julian K. Viljoen  
Mark Joseph Voller  
Meredith Grace Wall*  
Jennifer Grace Walsh  
Jalen Tyrel Williams  

Biomedical and Health Sciences Engineering  
Amir Ishaad Busgith  
Albert Minseok Choi*  
Dain Choi*  
Melanie Grace Cohen*  
Nicole Anne Franchi§  
Tyler Lee§  
Alexandra Vivian Middleton§  
Emile Marie Norwood§  
Kaila Marie Park§  
James Michael Parzygnat§  
Christopher Martin Petersen§  
Nereida Garza Ramos§  
Christopher Sharkey§  
Nicholas David Tully*  
Claire Larabee Wibking§  

Chemistry  
Elias Arroyo  
Charlotte Elizabeth Ball  
Zixuan Chen*  
Angelina Mi-Thuy Ha*  
Elsa Zoe Huesbsch*++  
Spencer T. Hurley*  
Alexander Philip Mork  
Spencer VonAnderfer Thompson  
Michael Ngoc-Tri Tran  

Computer Science  
Mohamed Abdulal  
Maja Agnihotri  
Juniper Amaranto  
Thomas Langston Barry*  
Stephen Robert Buck*  
Saketh Sai Devareddy*  
Arogya Dhakal  
Hoang Son Do*  
Andrea Sujeay Dunn Beltran*  
Noah Frahm*  
Li Fu  
Andrey Gettvinger  
Tara Ghordpadkar  
Maya Theresa Danturty Gopal*  
Joshua Lynn Gragg  
Hu Guo*  
Isaiah M. Harris*  
Preethi Gangadhar Kavadekar  
Shawn Alexander Khandia*  
Areeba Khokhar*  
Anna Sojin Kim*  
Willy Lan  
Dedeepya Madineni  
Jack Grayson Marcellus*  
Eduardo Marin-Alba  
Steven Andrew Martin*  
Brenna Nicole Mehli*  
Krishna Pallavalli  
Pranish Pantha*  
Kaival Chetan Patel*  
Kunal Hemang Pathak*  
Chalisa Phoomsakha  
Sonika Chanda Puvvada*  
Shengkai Qin*  

2023 UNC COMMENCEMENT PROGRAM
Pradyun Ramesh++
Ram Sarawagi*
Elliott Raymond Sikes
Sarika Simha*
Mitchell James Swindell*
Pramit Thapa* Vennila Thillaiavanan
Antonio Tudela*
Neil Dwarkesh Vakharia*
Bao-Nhi Martina Vu
Jessica Wang* Grant Patrick Wilson*
Benjamin Wisler*
Ruth F. Wu* Zhaokun Xu* Emily Jennifer Yan*
Felipe Noriyo Yanaga*
Peter Yao* Hyereyeong Yu

Economics
Anthony James Arledge*
Korey Dillon Bauersfeld
Jaxin Chang*
Austin Michael Cicale*
Leonardo Santoro Lazaro
Fontenelle De Oliveira*
William David Deandrade
Rawad Talaat Nasrallah
Adrian Windsor Ng
Kushagra Sethi
Junyi Song*
Yusri Souissi
Haoyu Tang*
Emily Jayne Tysinger
William Vaught
Grant Patrick Wilson*
Donggeon Woo*
Yufei Wu

Maria S. Tyurina*
Victoria Yan*
Peter Yao*

Neuroscience
Rosa Patricia Aguilar Perez
Ahmad Wael Al-Qaq*
Patrick Douglas DeLoach*
Chloe Du*
Carlee Ann Friar
Samuel Hankley*
Katherine Ann Kesselman*
Justin Michael Kili*
Zheyuan Li*
Ismeet Singh Maharaj*
Julia Maureen Milkins*
Gaushik Mouleeswaran*
Sarah Kate Norris
Chiebuka Justin Onuoha*
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Oyeronke Glory Popoola
Ashlee Michaela Propst
Vatsala Sachdeva
Nicole Angelique Sagarnaga*
Riya Nitesh Shah*
Regan Grace Shoemaker
Brooke Katherine Thibault*
Kimberly T. Tran
Jeremy David van Duin
Laura Graciela Zapata
Antonio Vasant Zuniga

Physics
Zheyuan Li*
Sarah Ellen Vickers***

Psychology
Ruby Atkinson*
Noah James Blackwelder*
Becket A. Bradley
Qiyu Chen
Laura-Lee Marie Crifasi*
Nina Džidić*
Autumn Eve Griego
Carmen Rafik Hanna
Ayah Scott Haviland
Tanmay Mahesh Joshi
Sundeep Kaur*
William Wheeler Kendrick-Holmes
Mengxin Liao*
Vijitha Mallineni*
Gracie Anne Miller*
Michael Ryan Mix*
Kathy Nguyen
Michael Stephen O’Leary Jr.
Roslyn Reynoso Marmolejos
Georgia Marie Sherrill*
Gabriella Josephine Smith*
Abigail Marie Smits*
Sundeep Kaur*
Alexandria Kendrick-Holmes
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Pranish Pantha*
Noah Pettee
Shengkai Qin*
Pradyun Ramesh*
Neil Dwarkesh Vakharia*
Donggeon Woo*
Jiyuan Xiao
Xiong Xiong*
Zhaokun Xu*
Kay Arden Youngstrom*
Longjie Zhou*
Anren Zhu*

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BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION
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John Michael Curtis*
Carter Alexander Gasia*
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Dean Fouad Adb-El-Khalick

BACHELOR OF ARTS IN EDUCATION
Human Development and Family Studies
Cameron Tyrese Baker
Mackenzie Beatty*
Chloe Mackenzie Breedlove*
Emily Caroline Brummett
Anthony Lee Cerniglia*
Alyssa Raine Champney
Belamy N. Coulou
Stephanie Ding
Ariana Mariella Duque
Rashera Shontil Galloway
Juanito Jorge Hernandez*

BACHELOR OF SCIENCE IN INFORMATION SCIENCE
Stuti Chegoori*
William Stephen Cobb III
Noah Isaac Davis
Krystal Chidi Donovan
Nicole E. Dunkak
Daniella Marie Escobar*
Brandon Anthony Gaviola
Caden Li Gregorio*
Ali Masood Khan*
Shannon Katherine Little
Mikayla Rhianna Locklear
Christopher David McCroary*
Aayush Mehra
Anh Thuc Nguyen*
Tvisha Patel*
Laura Ellen Tinkler*
Tyler Kao Werden*

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BACHELOR OF SCIENCE IN INFORMATION SCIENCE
Biostatistics
Simmi Agarwal*
Andreea Ioana Gabriela Cornea*
Ariba Huda*
Joyce X. Liu*

Health Policy and Management
Grace Annie Gao
Sarah Elizabeth Montross*

Nutrition
Albert Pan

THE UNC HUSSMAN SCHOOL OF JOURNALISM AND MEDIA
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Dean Raul Reis

BACHELOR OF ARTS IN MEDIA AND JOURNALISM
Parker Lillian Brown*
Ashlee’ Shy’Khrya Maharaye Catlette
Anthony Ray Dehart
Julia Carroll Dorsey*
Daniella Marie Escobar*
Katie Magnolia Fuller*
Robin Liu Gao*
Charlotte Michelle Geier**

THE UNC GILLINGS SCHOOL OF GLOBAL PUBLIC HEALTH
Est. 1939
Dean Nancy Messonnier

BACHELOR OF SCIENCE IN PUBLIC HEALTH
Biostatistics
Simmi Agarwal*
Andreea Ioana Gabriela Cornea*
Ariba Huda*
Joyce X. Liu*

Health Policy and Management
Grace Annie Gao
Sarah Elizabeth Montross*

Nutrition
Albert Pan

CANDIDATES COMMISSIONED IN THE ARMED FORCES
December 2023

UNITED STATES NAVAL ENSIGN
William Wheeler Kendrick-Holmes
GRADUATE DEGREES

AUGUST 2023

Graduates’ names are followed by their area of major study, dissertation or project title, and the name of their doctoral advisor.

THE GRADUATE SCHOOL
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DOCTOR OF PHILOSOPHY

Lily Elizabeth Adams, Microbiology and Immunology, Investigating the Factors that Influence Pan-Betacoronavirus Infection and Immune Protection. Professors Ralph Baric and Mark Heise.


Gabriella M. Alvarez, Psychology, From Inequality to Inflammation: Exploring Internal and External Contributions to Affective Processing. Professor Keely Muscatell.

Marissa C. Ashner, Biostatistics, Evaluating Various Estimating Equation Approaches to Handle Right-Censored Covariates in Regression. Professor Tanya Garcia.

Sarah Barr, Microbiology and Immunology, Investigating Characteristics of Bacterial Two-Component Regulatory Systems. Professor Robert Bourret.

Colleen Betti, Anthropology, “Go Ahead and Erect the Buildings Themselves”; An Archaeological Study of Three Black Schools in Gloucester County, Virginia. Professor Anna Agbe-Davies.

Grant Broussard, Genetics and Molecular Biology, Characterization of the Role of Innate Immune Regulators in Control of Gammaherpesvirus Latency. Professor Blossom Damania.


Nolan Brown, Genetics and Molecular Biology, Large-Scale Library Generation of Unnatural Amino Acid Biosynthetic Enzymes. Professors Dorothy Erie and Eric Brustad.

Alyssa Browne, Sociology, “It’s a White Man’s Sport”: Examining Medical Specialization Through an Intersectional Lens. Professors Lisa Pearce and Tania Jenkins.

Nicholas Bryden, Physics, Magnetic Resonance Applications of Hyperpolarized Xenon at Low Field Strengths. Professor Rosa Branca.


William Raymond Cassels, Chemistry, Productively Leveraging the Acidity of β-Dicarbonyls in Nontraditional Stereoreactive Reactions. Professor Jeffrey Johnson.

John Caughman, Mathematics, Data Analysis and Material Property Inferences From Passive Microscopic Probe Experiments in Heterogeneous Biological Systems. Professor M. Gregory Forest.


Aaron Timothy Crain, Genetics and Molecular Biology, Systematic Analysis of Histone H4 Lysine 20 Modification Function in Gene Regulation, Cell Proliferation, and Animal Development. Professor Robert Duronio.


Patricia Dawson, History, Our Hearts are Straight: Cherokee Clothing in Early America. Professor Kathleen DuVal.

Nikolaos Dokmetzoglou, Physics, Conformal Yangian and Tree Amplitudes in Scalar and Gauge Field Theories. Professor Louise Dolan.

Wayana Dolan, Geological Sciences, Dynamics of Functional Lake-to-Channel Connectivity in Arctic and Boreal Deltas. Professor Tamlin Pavelsky.


Sarah H. V. Eisenlohr, Classics, The Trauma of Ovid’s Mythic Women: Rape, Captivity, Silence. Professor Sharon James.

Mary C. Figgatt, Epidemiology, Infections and Mortality Among People Who Use Drugs. Professor Yvonne Golightly.


Alexandra Goriounova, Pharmacology, ELD607 is a Novel, Specific Inhibitor of the Oral1 Calcium Channel. Professor Robert Tarran.


Karen Hall, School Psychology, Youth on the Autism Spectrum Hospitalized for Suicide Related Thoughts and Behaviors: Characteristics and Perspectives From The Field. Professor Marisa Marraccini.

Mairead Kathleen Heavy, Pharmaceutical Sciences, Engineering Probiotic Yeast Drug Delivery Systems. Professor Juliane Nguyen.


Yucheng Hou, Health Policy and Management, Peer Participation, Spillover Effects, and Evaluation of the Medicare Shared Savings Program. Professor Justin Trogdon.


Minji Jang, Philosophy, Fitting Blame Without Blameworthiness. Professor Susan Wolf.


Karl Johnson, Health Policy and Management, Public Health Governance to Advance Public Health 3.0: Interrogating the Strategies and Structures of Local Governmental Health Departments to Address the Social Determinants of Health in North Carolina and Across the Country. Professor Kristen Hassmiller Lich.

Chimmya Joisa, Biomedical Engineering, Towards Leveraging Inhibition State of the Kinome for Precision Oncology. Professor Shawn Gomez.

Nicholas David Jones, German Studies, Revolution and the City: Marxist Anthropologies in the Interwar Realist Novel. Professor Richard Langston.

Donruedee Kamkhoad, Nursing, Nutritional Status, Eating Behaviors, and Gastrointestinal Symptom Cluster Among Thai Children Receiving Cancer Chemotherapy. Professor Sheila Santacroce.


Hawa Keita, Chemistry, Efficient and Selective Transition-Metal Free C–C Bond Forming Methods With Boron-Stabilized Nucleophiles. Professor Simon Meek.

Mary Kathleen Killala, Nursing, Examining the Use of Medical Crowdfunding to Address the Costs of Childhood Cancer. Professor Sheila Santacroce.

Keon Ho Kim, Mathematics, Immersed Peridynamics Method. Professor Boyce Griffith.

Siyeon Kim, Biostatistics, On Development of Statistical Learning Methods in Precision Medicine. Professor Michael Kosorok.


Christopher George Law, Business Administration, Three Essays on Entrepreneurial Organizing. Professor Chris Bingham.

Sandra Lee, Psychology, From the Individual to the Group — Exploring the Generalizability of Idiographic Network Modeling Approaches for Analyzing Time Series Data in Psychology. Professor Kathleen Gates.

Joseph Leshin, Psychology, Context Effects on the Neural Correlates of Emotion. Professor Kristen Lindquist.


Kaixin Liang, Oral and Craniofacial Biomedicine, Unraveling the SrS-CoV-2 Induced Cell Death in Lung Epithelial Cells. Professor Jenny Ting.

Yiyang Susanna Liang, Chemistry, Acridinium Catalysis in Total Synthesis and Ketone-Olefins Coupling. Professor David Nicewicz.


Mochuan Liu, Biostatistics, Incorporating Benefit-Risk Consideration and Feature Selection Into Optimal Dynamic Treatment Regimens. Professor Donglin Zeng.

Peirong Liu, Computer Science, Perfusion Imaging via Advection-Diffusion. Professor Marc Niethammer.

Andrea Lorenz, Mass Communication, Perspectives on Local News in Democracy: A Comparative Study of Stakeholders’ Conceptions of Roles and Impacts. Professor Barbara Friedman.

Caitlin Marie Lowery, Nutrition, Sugar, Substitution, and Perceived Beverage Healthfulness: Insights From the Philadelphia and San Francisco Beverage Taxes. Professor Shu Wen Ng.

Yifei Lu, Epidemiology, Liver Integrity Over the Adult Lifespan and Risk of Alzheimer’s Disease and Related Dementias. Professor Priya Patla.

Yubo Luo, Computer Science, Scaling up Task Execution on Resource-Constrained Systems. Professor Shahriar Nirjon.


Nicholas M. Mallek, Toxicology, In Vitro Model Development for Inhalation Toxicology Research and Their Applicability for Novel Insights Into the Cellular and Molecular Exposure Response of Wood Smoke Particulate Matter Exposure. Professors Shaun McCullough and Ilona Jaspers.


Katelin McCullough, Classics, The Re-Contextualization of Female Commemoration in the Civic and Religious Spaces of Cyrene. Professor Jennifer Gates-Foster.


Brantly Hancock Moore, Art History, Articulate Furnishings: German Cabinetmakers and the Construction of Elite Experience and Intellectual Culture, 1550-1650. Professor Marika Keblusek.


Franklin Robert Muntis, Nutrition, Bridging Sports Nutrition and Diabetes Care: Assessing the Role of Protein Intake and Timing on Glycemia During and Following Physical Activity Among Adolescents and Adults With Type 1 Diabetes. Professor Elizabeth Mayer-Davis.


Kathleen Riley Neff, Chemistry, Kat-alysis: Tuning the Electrophilic Behavior of P-Si+, M-Si+, and M – I+ Complexes. Professor Michel Gagne.

Rebecca Neshkes, School Psychology, Examining the Psychometric Properties of the Dialectical Thinking Scale Adult Version and the Relationship Between Dialectical Thinking and Well-being in School Mental Health Professionals. Professor Steven Knoke.

Derrick Nowak, Mathematics, Local Smoothing of the Schrödinger Equation on a Multi-Warped Product With Degenerate Trapping. Professor Hans Christianson.

Kelsey Jane Oeler, Biomedical Engineering, Advancing Imaging Techniques for Assessing Pulmonary Mucus Macrostructure and Microstructure. Professor Amy Oldenburg.

Linnea Teresa Olsson, Epidemiology, Patient- and Tumor-Level Factors Impacting Chemotherapy Use and Effectiveness. Professor Melissa Treaster.

Sims Hill Osborne, Computer Science, Using Simultaneous Multithreading to Support Real-Time Scheduling. Professor James Anderson.

Samantha Ashley Ottavi, Pharmaceutical Sciences, Efforts Toward the Discovery and Development of Novel Tuberculosis Therapeutics. Professor Jeffrey Aubé.


Patricia Pagan Lassalle, Human Movement Science, The Effects of Psychosocial Factors on Cardiometabolic Risk in Non-Hispanic Black Adults. Professor Michelle Meyer.

Catherine Elizabeth Paquette, Psychology, Open Field of a Behavioral Activation Telepsychology Intervention for Patients Who Inject Drugs. Professor Stacey Daughters.


Ratchanok Phonyiam, Nursing, Self-Management and Breastfeeding in Women With Preexisting Type 2 Diabetes Mellitus From Thailand. Professor Marissa Marraccini.


Cari Pittleman, School Psychology, Care, Be Nice, and Keep An Eye on that Kid: Multiple Perspectives on School Professional Roles Supporting Students With Suicide-Related Thoughts and Behaviors. Professor Marisa Marraccini.

Mugdha Sunil Polimera, Physics, Investigating Active Galactic Nuclei in Dwarf and Giant Galaxies in the Nearby Universe. Professor Sheila Kannappan.

Yiran Qian, Pharmaceutical Sciences, Discontinuation of Disease-Modifying Therapies and Health Outcomes in Midlife Patients With Multiple Sclerosis in the United States. Professor Joshua Thorpe.

Alexander Quanbeck, Philosophy, Kierkegaard and the Ethics of Belief. Professor Alex Worsnip.

Michele Robinson, English and Comparative Literature, Writing and Righting Rooms in Nineteenth-Century British Literature. Professor Kimberly Stern.

Samuel P. Rosin, Biostatistics, SARS-CoV-2 Seroprevalence and Vaccine Correlate of Protection Standardization. Professor Michael Hudgens.


Peyton Sandroni, Pharmacology, The Alpha-1A Adrenergic Receptor Regulates Oxidative Metabolism in The Mouse Heart. Professor Brian Jensen.

Eduardo Sato, Musicology, Modernist Crossings in Brazilian Music, 1918-1954. Professor Annegreit Fauser.

Carly Schnitzler, English and Comparative Literature, Generations: Creative Computation, Community, and the Rhetorical Canon. Professor Daniel Anderson.

Alison Marie Schreiber, Psychology, The Role of Neurocomputational Decision Processes in Affect-Based Impulsivity in Borderline Personality. Professor Michael Hallquist.


Jamshaid A. Shahir, Bioinformatics and Computational Biology, Unraveling Single-Cell Heterogeneity Through Graph Neural Networks and Multiplexed Imaging. Professor Jeremy Purvis.


Ehsan Sheikholharam Mashhadi, Religious Studies, Building Pluralism: Cultural Politics of the Aga Khan Award for Architecture. Professor Carl Ernst.


Yifeng Shi, Computer Science, Representation Learning With Additional Structures. Professor Marc Niethammer.

Zachary Ryan Sitte, Chemistry, Developing New Approach Methodologies to Increase the Physiological Relevance and Utility of Scaffold-Based 3D Cell Culture Techniques. Professor Matthew Lockett.

Morgan Souza, English and Comparative Literature, Early English Monstrosity: Francis Bacon and His Interlocutors. Professor Jessica Wolfe.

Brooke S. Staley, Epidemiology, Population-Based Study of Plasma Metabolites as Mediators of the Relationship Between Socioeconomic Status and Incident Diabetes: A Social Metabolomic Approach to Health Disparities. Professor Christy Avery.


Sarah Courtney Sutton, Chemistry, Pump-Probe Microscopy Investigations of Anisotropic Carrier Dynamics in ReS2 Nanoflakes and Effects of Surface Passivation in Si Nanowires. Professor James Cahoon.

Katie Tardio, Classics, Feeding Terraco: A Zooarchaeological Approach to the Economy of Roman Spain. Professors Jennifer Gates-Foster and Benjamin Arbuckle.

Taylor Tibbs, Microbiology and Immunology, The Genetics and Immunological Influences of Infectious Disease Outcome. Professor Jason Whitmire.


Riley Vickers, Environmental Sciences and Engineering, Molecular-Scale Analysis of the Morphology, Topology, and Performance of Crosslinked Aromatic Polyamide Used in Reverse Osmosis Membranes. Professor Orlando Coraneli.

Sergey Voronov, Computer Science, Scheduling Real-Time Graph-Based Workloads. Professor James Anderson.

Rachel Cara Warner, English and Comparative Literature, Transmasculine Modernism: Inverts, Tomboys, and Drag Kings, 1890-1940. Professor Heidi Kim.

Marc Herman Webb, Environmental Sciences and Engineering, Water-Soluble Species in Residential Air, Air-Surface Dynamics and the Influence of Surface Films and Water. Professor Barbara Turpin.

Joshua M. Weinstein, Health Policy and Management, Evaluating the Health and Economic Consequences of Inequitable Access to Continuous Glucose Monitoring Technology for Patients With Type 1 Diabetes. Professor Christopher Shea.


John Thomas West, Psychology, Are Emotionally Granular Individuals Emotion Experts? Evidence From an Experiment of True and False Emotional Memory. Professor Neil Mulligan.

Emilie Wheatley, Chemistry, Copper-Catalyzed Allyl Addition Methods for The Enantioselective Synthesis of Quaternary Stereocenters. Professor Simon Meek.


Cameron Worthington, Chemistry, Utilizing Ion Mobility to Understand and Improve Mass Spectrometry Analyses. Professor Gary Glish.

Christian Xander, Microbiology and Immunology, Understanding the Role of the Secreted Phosphatase SapM in Phagosome Maturation Arrest and Its Delivery to Its Host Target in Mycobacterium Tuberculosis and BCG. Professor Miriam Braunstein.

Junhua Yan, Computer Science, Analyzing Data-Center Application Performance via Constraint-Based Models. Professors Jasleen Kaur and Van Jacobson.

Shiyue Zhang, Computer Science, Towards Reliable and Inclusive Natural Language Generation. Professor Mohit Bansal.

Liang Zhao, Materials Science, Perovskite Detectors for Gamma-Ray Spectroscopy. Professor Jinsong Huang.

Xiang Zhou, Computer Science, Towards Reliable and Generalizable Natural Language Understanding. Professor Mohit Bansal.

ManHua Zhu, Neurobiology, Cellular and Behavioral Effects of Nicotine Vapor Exposure on Mouse Mesolimbic Reward Circuitry. Professors Melissa Herman and Thomas Kash.


DOCTOR OF EDUCATION

Huanyu Cong, Curriculum and Instruction, Online Learner’s Identity Development: Narrative Inquiry Study in Online Learning Community. Professor Xue Rong.


Jaimi West, Educational Leadership, Characteristics and Conditions of Successful K-8 Summer Programs. Professor Eric Houck.

DOCTOR OF NURSING PRACTICE

Rebecca Baldwin, Nursing Practice, Review of Evidence-Based Practice Projects in A New Graduate Nurse Program. Professor Meg Zomorodi.

DOCTOR OF PUBLIC HEALTH

Grace Ghantous, Health Policy and Management, Psychological Distress and Type 2 Diabetes Risk in High-Risk Adults With Low Social Determinants of Health (SDOH): A Qualitative Study. Professor John Wiesman.

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## GRADUATE AND PROFESSIONAL GRADUATE DEGREES

### AUGUST 2023

### THE GRADUATE SCHOOL

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Dean Elizabeth Mayer-Davis

### MASTER OF ARTS

**American Studies**  
Joseph O’Connell

**Anthropology**  
Kaitlyn Annellese Clingenpeel

**Classics**  
Alex Claman  
Chandler Richard Kendall

**Educational Innovation, Technology, and Entrepreneurship**  
Daniels Akpan  
Megan Renea Byers  
Mary Kelsey Cotter  
Dorentina Dedushaj  
Izzete Encarnacion  
Emma Haley Golden  
Zepeng Li  
Xinjuan Liu  
Jane Goodson McDaniel  
Julia Andrea Melendez Rosas  
Austen O’Connor  
Nathan Orecchio  
David Thomas Russo  
Jacqueline Healey Russo  
Sebastian Max Philipp Schacht  
Marina Kirk Shallo CROSS  
Dannilee Colleen Stout  
Julia Elizabeth Thompson  
Emily E. Trabert  
Karen Vaughan  
Yueming Wang  
Yulian Wang  
Zijun Wang  
Whitney Grace Ross Willard  
Aidan Samatovna Zhumbekova

**Exercise and Sport Science**  
Mark Belio  
Sarah Blount  
Adam Victor Coleman  
Katrina Marie Konopka  
Madeleine Leigh Rheault  
Jacklyn Rojas  
Lauren Anne Woelffer  
Emily Jewel Zinger

**Geography**  
Sara Aregai Ghebremicael

**Linguistics**  
Alexander Charles Austin-Trongo  
Catherine Siena Bappe  
Benjamin Louis Coleman  
Xuan Hu  
Jarem Saunders

**Media and Communication**  
Jessica Camryn Reid  
Carolyn Elizabeth Schmitt  
Monique Mae Williams

**Political Science**  
Jon Nicholas Beliveau  
Caroline Grace Conerly  
Marine Hoi Elia  
Nicole Carleen Heinrichs  
Katharina Malena Krause  
Elizabeth Ann Kunesh  
Jalyn McNeal  
Imke Johanna Pohl  
Eric Martin Schichlein  
Matias Catriel Tarillo

**Psychology**  
Claire Colleen Brito Klein

**Religious Studies**  
Mariana Najera

**MASTER OF APPLIED PROFESSIONAL STUDIES**  
Jesse Hunt

**MASTER OF CITY AND REGIONAL PLANNING**  
Rebecca M. Goldstein

**MASTER OF PROFESSIONAL SCIENCE**

**Biomedical and Health Informatics**  
Shaymaa Shaheed Almasafir  
Atharva Nandkumar Banait  
Robert Louis Bradford  
Kacy Buddin  
Sarah Faiz  
Yu-Chen Huang  
Asmita P. Kovadia  
Abena Kwarteng  
Jiao Li  
Disha Ganesh Puthran  
Mia Xiameng Smith  
Sruith Malavika Srinivasan  
Kelvin Ai Tran

**Digital Curation and Management**  
Emma Katharine Layton

**MASTER OF PUBLIC POLICY**  
Juan Daniel Avilez  
Reiley Nelson Baker  
Noah Alexander Blutreich  
Samantha Capers  
Arhys Maria Cruz Mora  
Elisabeth Catherine Dennis  
Chandler Sloan Edemann  
Jensen Claire Emerline  
Evelyn Anne Ferry  
Tess Baldwin Greenberg  
Morgan Ann Harron  
Paige Scarlett Hathaway  
Callan Joseph Hazeldine  
Samuel Johnson  
Robert Earl Jones III  
Grace Irene Koch  
Isaac Gregory Lanzon  
Samuel Benjamin Manske

**MASTER OF SCIENCE**

**Biology**  
Haley Elizabeth Capone

**Chemistry**  
Kevin Donald Culver

**Clinical Rehabilitation and Mental Health Counseling**  
Aliyah Michelle Kath

**Computer Science**  
Chun-Hung Chao  
Muqeeth Mohammed  
Mingli Zhang

**Environmental Sciences and Engineering**  
Martina Gonzalez Bertello  
Zachary Michael Hirsch  
Angela Kathleen Bittner Penny  
Matthew D. Romm  
Rui Zhang

**Geological Sciences**  
Lindsey Nicole Blankenship  
Damian Ignacio Donoso Tapia  
Daniel Noah Goldman  
Ashley Sara Lynn

**Marine Sciences**  
Lance David Malcolm Jr.
## Mathematics
- Ariel J. Glassberg
- Leyi Zhang

## Occupational Therapy
- Marissa Alana Barber
- Stephanie Nicole Berkowitz
- Faith Jordan Best
- Lawrence Brown
- Emily Sonia Danes
- Jordan Irene Gee
- Madison Nicole Klinge
- Sarah Ellen Love
- Abigail Grace McCoy
- Franci Pachon-Marín
- Grace Baxter Rettew
- Karly Dean Reyes
- Daniel Jordan Rosenbaum
- Skylar Nicole Wheeler
- Lauren M. Winnix

## Orthodontics
- Joy Elizabeth Gerasco

## Physics
- Joseph / Kira Baldoni Karlik

### THE KENAN-FLAGLER BUSINESS SCHOOL
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### MASTER OF ACCOUNTING
- John M. Aho
- Rukyat Folake Akingbade
- Roni Mohammed Ali
- Catherine Rose Austin
- Genesis Alexis Avitia
- Tausif Ayman
- Corwin Battin
- Sean Michael Bolembach
- Scott Edward Bowen
- Jonathan R. Burke
- Alexandra Grace Burnham
- Ardena Jordan Burris
- Dyson Lee Butler
- Adele Robertson Campbell
- Destiny Marie Chafin
- Audrey Anna Chen
- Stephen Tyler Chilton
- James Warren Christon
- Kayleigh Church
- Lexi Marie Couch
- Ian Joseph Cummings
- Sofia Alexis Dick
- Whitney Pendleton Dooley
- Tucker John Fessenden
- Devyn A. Figueroa
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Germanic and Slavic Languages and Literatures
David Sarber Green*

† Indicates graduate from N.C. State University
* Indicates degree with distinction or highest distinction
+ Indicates Honors recipients
++ Indicates Highest Honors recipients
<table>
<thead>
<tr>
<th>Field</th>
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<tbody>
<tr>
<td><strong>Global Studies</strong></td>
<td>Chika Sheila Adiele</td>
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<td>Mohamed Anwar Boutayba*</td>
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<td><strong>History</strong></td>
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<td>Matthew John Schaeffer*</td>
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<td>James Foster Williamson</td>
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<td><strong>Interdisciplinary Studies</strong></td>
<td>Gabriela Marie Duncan*</td>
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<td>Chelsea Isabela Ramsey*</td>
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<td><strong>Linguistics</strong></td>
<td>Eliza Rose Cornette Cook*</td>
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<td><strong>Management and Society</strong></td>
<td>Lucas Lohr Antinor</td>
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<td><strong>Mathematics</strong></td>
<td>Nicholas Alexander Beard</td>
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<td>Juhul Gulati*</td>
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<td>Johana Elizabeth Bautista-Ayala</td>
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<td><strong>Music</strong></td>
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<td><strong>Peace, War, and Defense</strong></td>
<td>Bronwyn C. Campbell</td>
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<td>Kyra Nicole Slegh Pudol</td>
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<td><strong>Political Science</strong></td>
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<td><strong>Public Policy</strong></td>
<td>Khamiah Amani Alderman*</td>
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<td>Rakeb Asres</td>
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<td>Noah Ali Clapacs*</td>
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<td>Righteous Delane Keitt</td>
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<td>Shadai Theresa McMillan</td>
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<td>Madeline Maris Pryor</td>
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<td>Lamar Gregory Richards</td>
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<td><strong>Religious Studies</strong></td>
<td>Joshua Brett Anderson</td>
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<td>Pablo Octavio Jimenez</td>
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<td><strong>2023 UNC COMMENCEMENT PROGRAM</strong></td>
<td>37</td>
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</tbody>
</table>
Romance Languages
Courtney Lynn Frye*
Nell Anne Levine*

Sociology
La-Ontra Jenee Bacon
Breanna Denise Bowman
Ililianamaria Yevone Brown
Adriana L. Cook
Tanaya Monique Foster-Judkins
Lucy A. LeMasters
Olivia Isabel Pisel
Maya Anne-S. Stroud

Studio Art
Taika Ezren Aleksanderi Sorjonen*

BACHELOR OF FINE ARTS
Sergia Victor Jimenez
Canain Augustin Stanley

BACHELOR OF MUSIC
Aubrey C. Amster
David Sarber Green*

BACHELOR OF SCIENCE
Biology
Eliyambuya Marguerite Baker*
Rupak Bhandari
Cynthia Abigail Castaneda
Melisa Cecilio Sosa
Carrington Leigh Clack
Abigail Victoria Earley
Adesola Bryan Eliumaro
Elizabeth Sofia Estorov*
Kendriana Nichole Frazier
Ian W. Klevans
Emily Paige Lawson
Michael Anthony Marenco
Miriam Xitlali Miranda-Aguirre
Kaitlyn Fu Lian Mioruchi
Karl-Julius Mueller**
Kaiy Grace Myers
Mercy Linda Neal*
Emily Judith O'Hare
David Josue Pecina Arnaud
Sachdeep Singh
Sarah Kathryn Torzone***
Davis Dinh Trinh*
David Henry White
Joshua Edward Williford
Margaret Lee Wu*
Amirsaman Zahabioun**

Biomedical and Health Sciences Engineering
Sadia Ahmed §
Abdullah Wael Saleh*

Chemistry
Lenya Louise Schmidt-Neuhaus*
Brady Dean Walton*

Computer Science
Shuyi Chen*
Edward Andreas Fowler*
Eliah L. Hedrick
Xavier Sirard Hilbert*
Leo Thomas Kalapurackal
Kenny Gerald Murillo-Perez
Elad Ohana*
Jaein Park*
Neil Pierre-Louis
Valerie Shoemaker
Raven Alexi Taylor
Nori West
David Henry White
Michael Andrew Woodard

Economics
David Lindsay Bayha
Mason Farasy
Gabriela Aliza Goodman++
Juhu Gulati*
Dana Anjiah Paige
William Thomas Petitt*
Stephen Andrew Thompson
An Huynh Bao Vo
Pingqiao Wang*

Environmental Sciences
Dorothy Allen
Marcus Neil Berger
Harmony M. Bouley
Rosalie Marian Magner*

Geological Sciences
Naomi Elisabeth Nice++

Mathematics
Shuyi Chen*
Elisa Ji-Hyun Ma*

Neuroscience
Stane Joe Biju*
Robert P. Greenspan*
Elizabeth Kim*
Abigail Alejandra Palacios
Justice Charnae Robinson
Lauren Sideling*
Jessica Lee Staehly*

Psychology
Sanjana Jha*
Ritika Khosla*+
Darren Justin Laville*
Yulee Leon*
Stella R. Makunzva
Madison Nicole Nichols
Mary Nie
Ashley Lillian Pike
Carolina Rosales Mercado
Melisa Cecilio Sosa

Statistics and Analytics
Li Chou Chen*
Dalton Dale Hellwege
Kacey Alexis Kemp*
Sooho Samuel Myoung*
Ryan Nicholas Presnell*
Pingqiao Wang*
Aijia Zhang*

THE KENAN-FLAGLER BUSINESS SCHOOL
Est. 1919
Dean Mary Margaret Frank

THE SCHOOL OF INFORMATION AND LIBRARY SCIENCE
Est. 1931
Dean Gary Marchionini

THE SCHOOL OF JOURNALISM AND MEDIA
Est. 1924
Dean Raul Reis

THE UNC HUSSMAN SCHOOL OF JOURNALISM AND MEDIA
Olanike Khadjiah Anifowoshe
Emily Straeten Avery
Sarah Brooke Baker*
Hayden Elizabeth Barlow
Brooke Lambert Behan*
Hallie Grace Bell*
Mohamed Anvar Boutayba*
Taylin Renee Cain
Madison Cronk*
Sophia Noel Czekalski
Keyao Du**
J’sha Ne-Kole Marie Gift*
Galen Isabel Gray
Jarell Marquis Hammonds
Salem Mackenzie Handy*
Dasha Destiny Hedrick
Isabelle Bronwyn Hillenbrand*
Annick Joseph
Nicole Elizabeth Moorefield*
Caroline Rose Nihill
Liza Olivia Park*
Nia Jolie Pinckney
Maria Yolanda Summer-Graves

THE SCHOOL OF EDUCATION
Est. 1855
Dean Fouad Adb-El-Khalick

THE UNC SCHOOL OF JOURNALISM AND MASS COMMUNICATION
Michael Thomas Duff

THE SCHOOL OF ARTS IN JOURNALISM AND MEDIA
Ola Muayad Alshaikhli
Liam Thomas Finbarr Murphy*
Deseree Suzette Stukes*
THE SCHOOL OF MEDICINE
Est. 1879
Dean Wesley Burks

BACHELOR OF SCIENCE IN
CLINICAL LABORATORY
SCIENCE
Jacob Matthew Sadler

THE SCHOOL OF NURSING
Est. 1950
Dean Valerie Howard

BACHELOR OF SCIENCE IN
NURSING
Benita Anwuli Agbele
Elizabeth Anne Alexander*++
Maysa Fajja Araba*
Alana Surya Belshaw-Ponciano
Sarah Best*
Catie Rene Bobetich
Molly Annali Wei Boggs*
Caroline Gracelaine Bridges*
Madeline Newbold Brown*
Margaret Emma Brown*
Kevin Franklin Carter*
Marina Gabriela Celinski*
Carrie Lynn Christie*
Amy Colby
Leah Clark Conner*
Nico B. Cordero
Mary Frances Grace Deucher*
Josephine DeVita*
Paige Marie Diana*
Joshua Baker Drye
Turner Storey Dubler*
Timothy M. Duet*
Adam Gregory Edmonds*
Lindsey Kathryn Farr
Clara Margaret Femia*++
Isabella Fiore*
Jacqueline M. Fish
Alexis Marie Floyd*
Kinley Elizabeth Floyd*
Brittany Hubbard Frederick*
Nico Fried
Brian Antonio Garcia
Megan Lee Gardner*++
Arika J.A. Glass*
Karen Broach Gopalakrishna*
Connor Joseph Graca*
Grace Elizabeth Graham*
Ashley Taylor Greene
Clare Marie Greene*
Victoria Ashley Inscoe
Chinedum Cornelia Jacobson*
Taylor Collins Jost
Maria Angelic Juarez*
Lindsay Anne Kalamasz*
Marilayne Tchouangang Kamegne*
Kate Blackwell Kilpatrick*
Ciara Nicole King*
Anneka Findlay Kleine*
Dea Roli Kpenosen*
Katherine Caroline Krupnick
Megan Michelle Lineberry*
Khara Magpoc
Mariann Suzanne Maloney*
Edan Marquez De Leon*
Celenia Bernadette Martinez
Alexander McCoy*
Justin Ray McDueff*
Kamaria Imani McEvoy*
Oriana McCarlson Messer*
Julia Margaret Metzger*
Lauren Alexandra Miller*
Zoe Madison Montjoy*
Olivia May Moore*
Allison M. Mullins
Tyna Nguyen
Stuart Kathleen Nusbaum
Lauren Grace O’Callaghan*
Sela Judy Omuchei*
Melody Ruth Outlaw*
Nathaniel M. Patron*
Ashlyn Cooper Pierce*
Hannah Marie Potter*
Catherine G. Preston*
Noah Ethan Privette*
Summer Qadoura*
Emily Reicird*
Nancy Katherine Robinson*
Noelle Elisabeth Ruehle
Nancy Ruiz Bonilla
Grace Elisabeth Russell*++
William John Russell*
Jada Kennedy Scarboro*
Sindhu Shamasunder*++
Reah Eve Siegel*
Kira E. Small*
Kayla Evana Smith
Frances Muriel Smock*
Kirsten St. Louis*
Parker Stantz*
Ajhana Latrianna Sutton-Richardson
Alexandra Marie Thompson*
Aleksandra To*
Jessie Torres
Mikayla Lynn Turner*
Eric William Villeneuve*
Ashley Caroline Walsh*
Sarah Elizabeth Willingham*
Madeleine Wood*
Kayla Lauren Woodley
June Grace Yang*
Chloe Yarbrough*
Keeley Ziemann*

§ Indicates graduate from
N.C. State University
* Indicates degree with
distinction or highest distinction
+ Indicates Honors recipients
++ Indicates Highest Honors recipients

BACHELOR OF SCIENCE IN
PUBLIC HEALTH
Biostatistics
Osamah Mahmoud Atieh*
Gargi Mehul Dixit*
Elisa Ji-Hyun Ma*++

Environmental Health Sciences
Mercy Linden Neal*++

Health Policy and Management
Leila Maryann Fathi++
Yuliza Pena Hernandez
Abigail Elizabeth Shuman*++

Nutrition
Ellen Joy Gooch
Tiana Olivia Jacobs
Aditya Pankaj Shetye++

GRADUATES
COMMISSIONED IN
THE ARMED FORCES
August 2023

UNITED STATES ARMY
SECOND LIEUTENANT
Aiden Michael Watson

THE UNC GILLINGS
SCHOOL OF GLOBAL
PUBLIC HEALTH
Est. 1939
Dean Nancy Messonnier
ACADEMIC DRESS

The following information, based in part on An Academic Costume Code and Ceremony Guide (published by the American Council on Education), may be helpful in identifying academic attire worn during UNC’s Commencement exercises.

DEGREE CANDIDATES’ REGALIA

The University’s bachelor’s gown, designed by Alexander Julian, is both Carolina blue and truly green, as in sustainably made. The fabric for the True Blue gown is made from 100 percent post-consumer recycled plastic bottles (23 bottles for each gown) and is manufactured at mills in the Carolinas. The information about the gown’s sustainability is suitably printed directly on the cloth, without the use of an extra label. In addition to being dyed a custom Carolina blue color, the True Blue gowns also have a streamlined fit, with white piping along the yoke and two white panels in front. The tassels are blue and white, topped with a silver-colored Old Well medallion. An optional accessory is an embroidered white stole that the graduate may give to a parent in gratitude after the Commencement ceremony.

The untrimmed, black master’s gown has a hood and 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 hooded doctoral gown features three bars across each sleeve. In 1999, the Faculty Council authorized a special doctoral gown for Carolina graduates. It is Carolina blue, with facings and crossbars of dark blue outlined in white piping. The facings bear the shield of the University supported by the torches of learning.

The hoods of master’s and doctoral degree candidates vary in color according to the field of study (see list on the right).

FACULTY REGALIA

Faculty wear the regalia of the institution that conferred their highest degree. The doctoral gowns are usually faced with black velvet, although the color of the velvet may vary according to the field of study. Hoods, which differ in length according to the level of the degree held, 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, for example, the crimson of Harvard, the maroon of Chicago, the orange and black of Princeton, the dark blue of Yale, and the light blue and white of North Carolina.

Like the hoods of master’s and doctoral degree candidates, faculty hoods are edged and bound with velvet in the color appropriate to the field of study. The colors in the hoods and gowns of faculty and administrators represent the fields in which degrees were taken.

FIELDS OF STUDY

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
Peacock Blue: Public Administration
Pink: Music
Purple: Law
Sage Green: Physical Education
Salmon Pink: Public Health
Scarlet: Theology
Yellow Brown: Commerce, Business, Accountancy
White: Arts, Letters, Humanities

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