

# RUTGERS UNIVERSITY–NEW BRUNSWICK AND RUTGERS BIOMEDICAL AND HEALTH SCIENCES

257th Anniversary Commencement

SUNDAY, MAY 14

RUTGERS

# President's Message



### Dear Graduates,

Congratulations to the Class of 2023-you've done it! Your diligence and your perseverance, amid all the disruptions and challenges that the pandemic has presented, have paid off. Now, alongside your family, friends, faculty, and fellow students, we gather today to celebrate your achievement of earning a Rutgers degree. You and your loved ones deserve to take pride in all that you have accomplished here. I know the university community is proud of you and excited for you.

In the coming years, your Rutgers education will serve you well. Your degree is the reward for countless hours of preparation and research, classwork and discussion, exploration and discovery. In the process, you have sharpened your intellect, developed expertise, and honed the critical thinking skills so essential to success. I hope you have also gained a greater sense of meaning and purpose, and I encourage you to put your talent to work in addressing some of our world's most serious challenges.

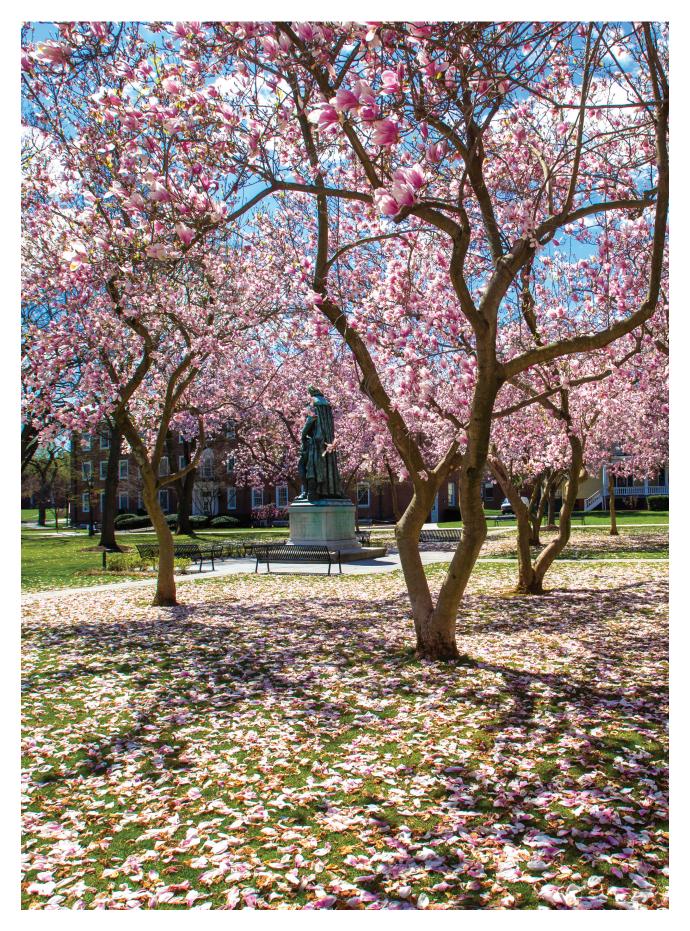
As Rutgers graduates, remember that you are Scarlet Forever. You now become part of a mighty alumni body of more than half a million people. I urge you to stay connected with each other and with your alma mater. And as you add your talents to those of Rutgers alumni around the world who are making a difference in their chosen fields and in their communities, please know that back on campus, we will do all we can to make you prouder of Rutgers every year.

Again, congratulations-and let me thank you in advance for all that you will do to lead lives of accomplishment, beauty, purpose, and grace.

Sincerely,

Jonathan Holloway President and University Professor Rutgers, The State University of New Jersey

We acknowledge that the land on which we stand is the ancestral territory of the Lenape People. We pay respect to Indigenous people throughout the Lenape diaspora-past, present, and future—and honor those who have been historically and systemically disenfranchised. We also acknowledge that Rutgers University, like New Jersey and the United States as a nation, was founded upon the exclusions and erasures of Indigenous peoples.



# Congratulations from Our Chancellors



### Dear Graduates,

You have made it! You have persevered amid not just the ordinary challenges of the university journey, but amid turmoil and loss that have turned our world upside down. And now you are here: Rutgers graduates, Scarlet Forever.

Before beginning the next triumphant stage of your lives, I hope you will take time to celebrate with loved ones and bask in the joy of what you have achieved. And when life inevitably presents you with new challenges, I invite you to recall the inner strength, flexibility, and compassion that you have discovered during this difficult time. You have already proven that you have what it takes to accomplish anything.

Rutgers University-New Brunswick is so proud to have been your academic home, and to now be your alma mater. I hope you will remain engaged with each other and with Rutgers. You will always have a place on the Banks of the Old Raritan.

Sincerely,

Francine Conway

Chancellor-Provost, Rutgers University–New Brunswick



### Dear Graduates,

others.

Whether you will focus on individual patients, populations, educating others, and/or the creation of new knowledge, remember what you have learned here and continue to advance the health and well-being of communities locally and globally. As we look to the future, I want to commend you for all your hard work and perseverance, which have made today possible. Today with your faculty members, student colleagues, friends, and families, I applaud your numerous achievements and encourage you to stay connected to Rutgers. I think you will find the relationships you made here will endure throughout your professional careers. Best wishes for your continued success in your lives and careers and always remember

the joy of learning.

Sincerely,

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Brian L. Strom Chancellor, Rutgers Biomedical and Health Sciences and Executive Vice President for Health Affairs

The world has changed since you started your educational journey here at Rutgers. You are entering a society greatly in need of your expertise, compassion, and dedication to serving

# Order of Exercises

### ACADEMIC PROCESSION

Rutgers Wind Ensemble from the Mason Gross School of the Arts Dr. Kraig A. Williams, Conductor

### **BOARD OF GOVERNORS' WELCOME**

Mr. William E. Best Chair of the Board of Governors

### NATIONAL ANTHEM

Members of the Rutgers University Choirs from the Mason Gross School of the Arts Dr. Brandon Williams, Conductor

### PRESIDENT'S GREETING

Dr. Jonathan Holloway President, Rutgers University

### **CONFERRING OF HONORARY DEGREES**

Dr. Jonathan Holloway President, Rutgers University

### **COMMENCEMENT ADDRESS**

The Honourable Sheryl Lee Ralph Order of Jamaica Actress, Producer, Author, and Philanthropist

### "THE BELLS MUST RING"

by Richard Hadden Rutgers University Glee Club Dr. Patrick G. Gardner, Conductor

## CLASS OF 2023 ADDRESS

Ms. Allison M. Smith Bachelor of Arts School of Arts and Sciences

#### ALMA MATER

Members of the Rutgers University Choirs from the Mason Gross School of the Arts Dr. Patrick G. Gardner, Conductor

Dr. Jonathan Holloway President, Rutgers University

Dr. Francine Conway Chancellor-Provost, Rutgers University-New Brunswick

Dr. Brian L. Strom

### RECESSIONAL

Rutgers Wind Ensemble from the Mason Gross School of the Arts Dr. Kraig A. Williams, Conductor

Criminal Justice with minors in Public Policy, Political Science, and Psychology, President, Rutgers University Student Assembly (2022-2023)

### PRESENTATION OF CANDIDATES AND **CONFERRING OF DEGREES**

Chancellor, Rutgers Biomedical and Health Sciences and Executive Vice President for Health Affairs

# Commencement Music

#### Rutgers Wind Ensemble from the Mason Gross School of the Arts

Pre-ceremony The Fairest of the Fair First Suite in E Flat I. Chaconne II. Intermezzo III. March Salute to the Big 10 The Liberty Bell Florentiner March Young Person's Guide to John Williams

#### Herald Trumpet Fanfare

Academic Procession Midway March Procession of the Nobles March Processional Crown Imperial Pomp and Circumstance No. 1

Recessional Theme from Superman Americans We

Kraig A. Williams, Conductor Dana Mandell, Assistant Conductor

John Philip Sousa Gustav Holst

Thomas Bourgault John Philip Sousa Julius Fucik John Williams

Nadine Silverman, Master's in Music '23

John Williams Nikolai Rimsky-Korsakov Clare Grundman William Walton Edward Elgar

John Williams Henry Fillmore



# Commencement Speaker and Honorary Degree Recipient

Photo courtesy of Sean Black

#### SHERYL LEE RALPH Doctor of Fine Arts

Rutgers is proud to bestow upon Sheryl Lee Ralph an honorary doctor of fine arts degree. A Rutgers alumna, Ralph was a member of the first co-ed class at Rutgers College. Ralph graduated near the top of her class at age 19 and was the youngest female graduate at that time. From bringing characters to life on screen, performing on Broadway, and producing, to landing the title of national best-selling author with her literary debut, Ralph has become a staple in the entertainment industry. Ralph's acclaimed career spanning over three decades has garnered her Emmy, Critics Choice, and Independent Spirit Awards, and her deep-rooted philanthropic endeavors have touched lives across the world.

Ralph can currently be seen starring as Barbara on ABC's smash hit comedy series Abbott Elementary. In this role, Ralph won an Emmy for Outstanding Supporting Actress in a Comedy Series, the Critics Choice Award for Best Supporting Actor in a Comedy Series, and numerous nominations including a Golden Globe.

Additional television credits for Ralph include starring in Moesha, a lead role in Instant Mom, starring in Ray Donovan, and appearing in Barbershop, ER, It's a Living, New Attitude, George, Designing Women, Two Broke Girls, Smash, Criminal Minds, MacGyver, One Mississippi, and Claws. Ralph is currently recurring as President Kelly Wade in Motherland.

On the big screen, Ralph has worked on The Mighty Quinn, Mistress, To Sleep with Anger, and The Distinguished Gentlemen. She also appeared in Sister Act II. Ralph picked up a win for Best Supporting Actress at the Independent Spirit Awards for her performance in To Sleep with Anger. In writing and directing, Ralph's award-winning short film Secrets was a finalist in the HBO Film Short Competition, Showtime's Filmmaker Award Series, and the BET Filmmaker Award Competition. Secrets was screened at top international film festivals. Ralph is also the creator of the Jamerican Film and Music Festival. Most recently, Ralph completed four movies: Just Getting Started, Christmas at Holly Lodge, Step Sisters, and No Sleep Til Christmas.

In theater, Ralph is well known for her award-winning work creating the role of Deena Jones in the legendary Broadway musical Dreamgirls, which earned her Best Actress nods for Tony and Drama Desk Awards. Ralph most recently appeared on Broadway as Madame Morrible in Wicked, becoming the first African American actress to take on the classic role. She also produced on Broadway's Thoughts of a Colored Man (October 2021-March 2022). Additional Broadway credits include the Tony Award-winning musical Thoroughly Modern Millie and reuniting with Loretta Devine and Jennifer Holliday for a sold-out, one-night-only Dreamgirls reunion. As a writer, Ralph's debut book Redefining Diva: Life Lessons from the Original Dreamgirl (Karen Hunter Publishing/Gallery Books, 2012) was a national best-selling title.

Off camera, Ralph is a passionate health advocate and honored AIDS activist. She is the founding director of the DIVA (Divinely Inspired Victoriously Anointed) Foundation 501(C)3 and created the critically acclaimed Divas Simply Singing!, an evening of song and entertainment that is the longest consecutive running musical AIDS benefit in the country. Ralph was awarded the first Red Ribbon Award at the United Nations for her unique use of the arts in HIV/AIDS activism and was recently appointed as an AIDS Ambassador for Jamaica's Ministry of Health.

Ralph is a mother of two with a blended family of four, and loves every moment of motherhood and marriage. She is happily married to State Senator Vincent Hughes of Pennsylvania.

# Honorary Degree Recipient

# Honorary Degree Recipient



Photo courtesy of Vilcek Foundation M Hamilton Visuals

#### KATALIN KARIKÓ Doctor of Science

Rutgers is proud to bestow upon Katalin Karikó an honorary doctor of science degree. Karikó is an adjunct professor of neurosurgery at the Perelman School of Medicine, University of Pennsylvania, where she has worked for 24 years. She is former senior vice president at BioNTech, Mainz, Germany, where she worked from 2013–2022. For four decades, her research has been focusing on RNA-mediated mechanisms with the ultimate goal of developing in vitro-transcribed mRNA for protein therapy. She investigated RNA-mediated immune activation and, together with Drew Weissman, discovered that nucleoside modifications suppress immunogenicity of RNA. This groundbreaking work unlocked the opportunity for the therapeutic use of the mRNA. The nucleoside-modified mRNA-lipid nanoparticle vaccine platform developed by Karikó, Weissman, and Norbert Pardi was used to create the FDA-approved mRNA vaccines by Pfizer-BioNTech and Moderna that are crucial to fighting COVID-19.

Karikó received her Ph.D. in biochemistry from the University of Szeged in her native Hungary in 1982. Her thesis work involved synthesis and antiviral evaluation of 2'-5'-linked oligoadenylates, called 2-5A, that is responsible for the interferon-induced antiviral mechanism. She performed her research at its Biological Research Center, focusing on 2-5A generated with nucleoside analog cordycepin. In 1985, after moving to Temple University, she expanded her research on 2-5A molecules modified at their nucleosides and internucleotide linkages. In 1986, she helped to perform a clinical trial at the Hahnemann University, where HIV-infected patients were treated with mismatched double-stranded RNA to induce their antiviral systems. In 1989, she joined the faculty of the Perelman School of Medicine. There she used in vitro-transcribed (IVT) mRNA to overexpress selected proteins in cultured cells. She, together with Weissman, demonstrated the IVT mRNA is immunogenic and thus unfit for therapeutic use. They identified uridine being responsible for this activation. Then, they discovered that after incorporating pseudouridine into the mRNA, the newly created mRNA was highly translatable and avoided activation of RNA sensors in human immune cells. As the result of this work, she, together with her colleagues at BioNTech, demonstrated functional use of nucleoside-modified mRNA encoding antibodies targeting cancer and infectious diseases. In animal models of multiple sclerosis, they used autoantigen-encoding mRNA and proved that this novel mRNA technology could be used for induction of tolerization, thus opening the possibility of treating autoimmune diseases. She also initiated a clinical study in which tumors of patients were injected with modified mRNAs encoding cytokines, thus promoting potent antitumor immunity and tumor eradication at local and remote sites.

She is co-inventor on 14 patents granted by the United States. She, together with Weissman, founded RNARx, a company dedicated to developing nucleoside-modified mRNA for therapy.

Karikó is the mother of two-time Olympic Champion, five-time World Champion rower Susan Francia

In the last two years, for her achievements, Karikó received many prestigious awards, including the Japan Prize, Louisa Gross Horwitz Prize, Paul Ehrlich Prize, Benjamin Franklin Medal, Canada Gairdner International Award, Kovalenko Medal, Tang Prize, Warren Alpert Prize, Princess Asturias Award, BBVA Frontiers Award, Breakthrough Prize, and Lasker-DeBakey Clinical Medical Research Award.



Photo by D Dipasupil via Getty Images

#### MARK A. ANGELSON Doctor of Humane Letters

Rutgers is proud to bestow upon Mark A. Angelson an honorary doctor of humane letters degree. Angelson is the chair of the Institute of International Education, the nonpartisan world leader in international education and scholar rescue that administers the Fulbright Scholarships for the U.S. Department of State and hundreds of other programs from offices around the globe. Angelson also serves in the Executive Office of the President of the United States as a member of the President's Intelligence Advisory Board.

Angelson has served as chair of Rutgers University's Board of Governors (currently serves as When Angelson stepped down from his role in municipal government in 2012, Mayor

vice chair) and as vice chair of the Biden Foundation. He was the deputy mayor of the City of Chicago, CEO of RR Donnelley, chair and CEO of two prominent Canadian public companies, and chair of MidOcean Partners, an international investment firm. He previously had a lengthy and distinguished career as an international lawyer in Singapore, New York, and London. Rahm Emanuel stated, "I am grateful to Mark Angelson for his selfless dedication and tireless commitment to the people of Chicago in his role as Deputy Mayor. Mark's outstanding efforts facilitated the creation of tens of thousands of jobs for Chicagoans, unprecedented cooperation with labor unions, and the launch of the largest municipal wellness program in the United States, among other initiatives. His work will pay dividends for years to come."

Upon Angelson's retirement as CEO of RR Donnelley in 2007, non-executive board chair Stephen Wolf stated, "Mark Angelson moves on with our thanks and our high regard. Since 2003, we have more than doubled revenues, profits, and shareholder value. Mark led this successful effort, assembled our superb management team for the future, and delivered on his promise to return our company to its leadership position."

Angelson is a member of the Council on Foreign Relations and its membership committee; Angelson graduated from Rutgers College, where he was elected to Phi Beta Kappa, and from

the Pilgrims (New York and London); the Royal Society for the Encouragement of Arts, Manufactures, and Commerce; and the Economic Club of New York. He is a Life Trustee of Northwestern University and adjunct professor of Mergers and Acquisitions at Northwestern's Kellogg School of Management. He is the coauthor (with Dr. Allan Goodman) of several articles on the efficacy of rescuing threatened professors and rebuilding national academies the world over. Rutgers Law School. He is a member of the Rutgers Hall of Distinguished Alumni. Angelson received an honorary doctorate of laws from the John Marshall Law School and the Harold H. Hines Award from the United Negro College Fund. He and Lynn, his wife of 43 years, are the proud parents of three adult daughters, who in turn have given them three splendid grandchildren, and counting

# Student Speaker

# Alma Mater



#### ALLISON M. SMITH

Bachelor of Arts Criminal Justice with minors in Public Policy, Political Science, and Psychology School of Arts and Sciences President, Rutgers University Student Assembly (2022–2023)

Rutgers is delighted to have Allison M. Smith represent the Class of 2023.

Allison M. Smith was born and raised in South Brunswick, New Jersey, just down the road from Rutgers University–New Brunswick. She is graduating summa cum laude with a major in criminal justice and minors in public policy, political science, and psychology. Smith is a second-generation Douglass woman and a third-generation Rutgers student. She is also a member and peer advisor for the Criminal Justice Honor Society, Alpha Phi Sigma, and a two-time School of Arts and Sciences Academic Excellence Scholarship recipient.

As a First-Year Interest Group Seminar instructor, Smith taught the accredited college course "Community Activism and Civic Engagement." As part of the inaugural program for the Rutgers Summer Service Internship Initiative, she completed an internship in the office of Congressman Frank Pallone. Smith spent much of her time on the banks as an undergraduate associate at the Eagleton Institute of Politics working as a Darien Civic Engagement intern and volunteering with the Center for Youth Political Participation's RUVoting campaign. In addition to serving as the student body president, Smith was also a co-president of the Rutgers Voorhees Choir and a student office manager for the Office of Student Involvement and Leadership. Her previous leadership roles included serving as the Sexual Violence Education Committee Chair for the Rutgers University Student Assembly (RUSA) and working as an orientation leader.

Smith served as a member of President Holloway's Student Advisory Committee for the past two years and became a member of Vice Chancellor Salvador Mena's Student Advisory Committee this year as well. During her tenure at RUSA, Smith promoted initiatives that focused on the organization's ability to better connect with the community it serves on campus and beyond.

Since she began her RUSA journey, Smith advocated for reproductive health and gender equality on campus. This resulted in the upcoming implementation and funding of the free menstrual hygiene product project, which will expand in the following semesters. Smith, alongside RUSA vice president Lara Fougnies, worked with faith-based organizations on interfaith events to ensure a more inclusive and unified environment.

The Smith Administration connected with local, state, and federal elected officials, most prominently with the reestablishment of the New Brunswick Student Advisory Board, which gives Rutgers students the opportunity to work with New Brunswick officials. This past semester, RUSA teamed up with the American Lung Association for an asthmatic advocacy and education event to promote health equity in the New Brunswick area. Finally, RUSA prioritized public safety by partnering with the Rutgers University Police Department to promote best practices, advocating for gun reform alongside our fellow Big Ten universities, and engaging the student body at public safety events.

## ON THE BANKS OF THE OLD RARITAN

From far and near we came to Rutgers, And resolved to learn all that we can; And so we settled down, in that noisy college town, On the banks of the old Raritan.

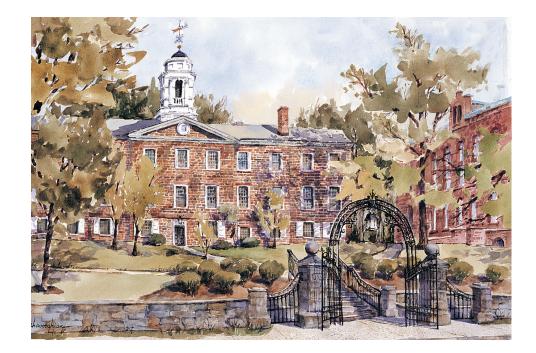
#### Chorus:

On the banks of the old Raritan, my friends, Where old Rutgers evermore shall stand; For has she not stood since the time of the flood, On the banks of the old Raritan.

Then sing aloud to *alma mater*, And keep the Scarlet in the van; For with her motto high, Rutgers' name shall never die On the banks of the old Raritan.

#### Chorus:

On the banks of the old Raritan, my friends, Where old Rutgers evermore shall stand; For has she not stood since the time of the flood, On the banks of the old Raritan.



Presentation of Candidates and Conferring of Degrees

President Jonathan Holloway

### RUTGERS BIOMEDICAL AND HEALTH SCIENCES

Chancellor and Executive Vice President for Health Affairs Brian L. Strom

#### Ernest Mario School of Pharmacy

Dean Joseph A. Barone Doctor of Pharmacy

#### New Jersey Medical School

*Dean Robert L. Johnson* Doctor of Medicine

#### **Rutgers School of Dental Medicine**

Dean Cecile A. Feldman Master of Dental Science Master of Science Master of Science in Dentistry Doctor of Dental Medicine

#### **School of Nursing**

Dean Linda Flynn Bachelor of Science Master of Science in Nursing Post-Master's Certificate Doctor of Nursing Practice Doctor of Philosophy

#### **Robert Wood Johnson Medical School**

Dean Amy P. Murtha Doctor of Medicine

#### School of Health Professions

Interim Dean Alma S. Merians Associate of Science Bachelor of Science Master of Science Doctor of Clinical Laboratory Science Doctor of Clinical Nutrition Doctor of Physical Therapy Doctor of Philosophy

#### School of Public Health

Dean Perry N. Halkitis Post-Baccalaureate Certificate Master of Public Health Master of Science Doctor of Philosophy Doctor of Public Health

#### School of Graduate Studies\*

Interim Dean Henrik Pedersen Master of Arts Master of Arts for Teachers Master of Biomedical Sciences Master of Business and Science Master of Engineering Master of Landscape Architecture Master of Philosophy Master of Science Master of Science Biomedical Sciences Master of Science for Teachers Doctor of Philosophy

\*The School of Graduate Studies—formed in July 2017 from the merger of the Graduate School–New Brunswick and the Graduate School of Biomedical Sciences—is a unit of both Rutgers University–New Brunswick and Rutgers Biomedical and Health Sciences.

### RUTGERS UNIVERSITY-NEW BRUNSWICK

Chancellor-Provost Francine Conway

#### School of Engineering

Dean Alberto Cuitiño Bachelor of Science

#### School of Environmental and Biological Sciences

Executive Dean Laura J. Lawson Bachelor of Arts Bachelor of Science

#### **Graduate School of Education**

Dean Wanda J. Blanchett Master of Education Specialist in Education Doctor of Education

#### Rutgers Business School-Newark and New Brunswick

Dean Lei Lei Bachelor of Science Master of Accountancy Master of Business Administration Master of Financial Analysis Master of Information Technology and Analytics Master of Quantitative Finance Master of Science Master of Science Master of Supply Chain Analytics Master of Supply Chain Management Doctor of Business Administration

#### School of Social Work

*Dean Cathryn C. Potter* Master of Social Work Doctor of Social Work

#### Graduate School of Applied and Professional Psychology

Dean Arpana G. Inman Master of Applied Behavior Analysis Master of Applied Psychology Master of Psychology Doctor of Psychology

#### Mason Gross School of the Arts

Dean Jason Geary Bachelor of Fine Arts Bachelor of Music Master of Fine Arts Master of Music Artist Diploma Doctor of Musical Arts

### School of Communication and Information

Interim Dean Dafna Lemish Bachelor of Arts Master of Communication and Media Master of Health Communication and Information Master of Information

# Edward J. Bloustein School of Planning and Public Policy

Dean Stuart Shapiro Bachelor of Arts Bachelor of Science Master of City and Regional Planning Master of City and Regional Studies Master of Health Administration Master of Public Affairs and Politics Master of Public Informatics Master of Public Policy

### School of Management and Labor Relations

Dean Adrienne E. Eaton Bachelor of Arts Bachelor of Science Master of Human Resource Management Master of Labor and Employment Relations

### School of Arts and Sciences

Interim Co-Executive Dean Susan Lawrence Interim Co-Executive Dean James Masschaele Bachelor of Arts Bachelor of Science

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Dr. Adrienne Simonds, Chair

Mace Bearer

Ms. Kimberlee M. Pastva

# University Gonfalonier and Head Marshal

Dr. Adrienne Simonds

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The wearing of academic dress dates back to the early days of the oldest universities in the world. In the American Council on Education's book entitled American Universities and Colleges, it is suggested that "Gowns may have been counted necessary for warmth in the unheated buildings frequented by medieval scholars. Hoods seem to have served to cover the tonsured head. . . ."

shown in divisions using chevrons.

the binding of the hood:

Agriculture / Maize Arts, Letters, Humanities Business Administration, City and Regional Planni Communication and Info Dentistry / Lilac Economics / Copper Education / Light Blue Engineering / Orange Fine Arts, Architecture / Ba Human Resources Manag Journalism / Dark Crimson Labor and Employment R Law / Purple

green-white, Dartmouth. doctoral degree.

Throughout the years, European universities have shown great diversity in their academic dress. American universities, on the other hand, when they decided to adopt academic dress, immediately established a code of regulations that today is followed by almost all American institutions. This code has made it possible to distinguish the bachelors, masters, and doctors and, at the same time, recognize the university that has given them the degree.

Gowns: The bachelor's gown has pointed sleeves and is worn closed. The master's gown, worn open or closed, has oblong sleeves, the front part of which frequently is cut away at the elbow. The doctor's gown has bell-shaped sleeves. It is worn open or closed.

At Rutgers, members of the Board of Governors and Board of Trustees, as well as those who hold a doctoral degree from the university, wear the Rutgers gown, which is scarlet with black velvet front panels framed on the outer edge with gold cord braid. The velvet panels are embroidered with a crown and the year 1766 at the neck, signifying the university's founding as one of the original colonial colleges under King George III of England.

Hoods: The hoods vary in size: 48 inches for the doctor's degree, 42 inches for the master's, and 36 inches for the bachelor's. All hoods are lined in silk in the academic color or colors of the institution conferring the degree. If the institution has more than one color, the colors are

Below is a list of some of the faculty colors as prescribed by the Intercollegiate Code for

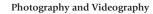
	Library Service / Lemon
/ White Commerce / Drab ing / Brown formation Studies / Gray	Medicine / Green
	Music / Pink
	Nursing / Apricot
	Oratory-Speech / Silver Gray
	Pharmacy / Olive Green
	Philosophy / Blue
	Physical Education / Sage Green
	Public Administration / Peacock Blue
Brown gement / Dusk m	Public Health / Salmon Pink
	Science / Golden Yellow
	Social Service / Citron
	Theology and Divinity / Scarlet
Relations / Peacock Blue	

The color or colors of the lining of the hood for the nine colonial colleges are: scarlet, Rutgers; crimson, Harvard; green-gold-silver, William and Mary; blue, Yale; red-blue, Pennsylvania; orange-black, Princeton; light blue-white, Columbia; brown, Brown; and

Caps: Black mortarboards or soft hats are worn for all degrees. The gold tassel signifies a



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