



BOSTON UNIVERSITY
COMMENCEMENT
2012

SUNDAY THE TWENTIETH OF MAY
ONE O'CLOCK
NICKERSON FIELD
BOSTON, MASSACHUSETTS

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ABOUT BOSTON UNIVERSITY

Boston University's impact extends far beyond Commonwealth Avenue, Kenmore Square, and the Medical Campus. Our students, faculty, and alumni go all around the world to study, research, teach, and become a part of the communities in which they live. Today, BU is the fourth-largest private university in the country and one of the world's leading research universities. As a measure of its global reach, Boston University is currently engaged in more than 340 separate research, service, and educational programs and projects around the world.

Enduring commitments to teaching, research, global education, and community engagement are the touchstones of Boston University's proud past and promising future.

In the rich tapestry of Boston University's history, one thread runs true: quality teaching by an excellent faculty. Students benefit from direct instruction by dedicated professors who are actively engaged in original research and scholarship, as well as from the University's combination of a strong liberal arts foundation and exceptional professional programs. Many students work closely with faculty mentors to advance the frontiers of human discovery. Opportunities for educators and researchers to collaborate across disciplines leverage the breadth and depth of the University's program offerings.

Since its founding, Boston University has embraced two principles that have come to define higher education today: a belief that the pursuit of learning is enhanced by direct engagement with the community and the world, and a conviction that higher education should be accessible to all.

Boston University has made a commitment to providing educational opportunity without regard to race, class, sex, or creed from its beginning, and this has led to a number of momentous "firsts": the first to open all its divisions to women, the first to award a Ph.D. to a woman, the first coeducational

medical college in the world. Martin Luther King, Jr., perhaps our most famous alumnus, studied here in the early 1950s, during a period when nearly half of this country's doctoral degrees earned by African American students in religion and philosophy were awarded by Boston University.

For many at Boston University, a commitment to serving and shaping the world is formed while still a student. The early dream of engagement "in the heart of the city, in the service of the city" has been deeply and abidingly realized in numerous ways: through the University's twenty-year partnership with the Chelsea Public Schools, the more than \$135 million in scholarships provided to graduates of the Boston Public Schools via the Boston Scholars program and the new Boston Public High School Community Service Award, and the pioneering merger of the BU Medical Center Hospital and Boston City Hospital. Students and faculty regularly engage in a broad range of both formal and informal community service activities.

Boston University's academic community reaches near and far. Today, the University's sixteen schools and colleges enroll more than 33,000 students from all fifty states as well as the District of Columbia and three U.S. Territories and 139 foreign countries. The nation's first collegiate international exchange program was created here at the end of the nineteenth century. Since then, Boston University's Study Abroad offerings have grown to include nearly one hundred programs in twenty-four countries. This global emphasis is integrated into the on-campus curriculum, with courses and programs that bring an international perspective to subjects from anthropology to zoology.

Today's graduates take their place in a long line of alumni whose inclusive and engaged educational experience prepared them to help serve, shape, and improve the world.

PROGRAM

Prelude Concert (musical titles on page 104)	Boston University Brass Choir Aaron Goldberg, Director
Processional (musical titles on page 104)	
Call to Order	Robert A. Knox CHAIRMAN OF THE BOARD OF TRUSTEES OF BOSTON UNIVERSITY
National Anthem	Michael Convicer COLLEGE OF FINE ARTS '12
Invocation	The Reverend Dr. Robert Allan Hill DEAN OF MARSH CHAPEL, BOSTON UNIVERSITY
Student Speaker	Leila Belmahi COLLEGE OF ARTS & SCIENCES '12
Presentation of the Class Gift	Fernando J. Limbo III COLLEGE OF GENERAL STUDIES '10 COLLEGE OF HEALTH & REHABILITATION SCIENCES: SARGENT COLLEGE '12
Welcome from the Alumni Association	Shadi Daher PRESIDENT OF THE BOSTON UNIVERSITY ALUMNI COUNCIL
The Metcalf Awards for Excellence in Teaching	Robert A. Brown
The Metcalf Cup and Prize for Excellence in Teaching	PRESIDENT OF BOSTON UNIVERSITY
Conferring of the Honorary Degrees	Robert A. Brown Norman R. Augustine, <i>Doctor of Science</i> Thomas G. Kelley, <i>Doctor of Laws</i> Sandra L. Lynch, <i>Doctor of Laws</i> Leonard S. Nimoy, <i>Doctor of Humane Letters</i> Eric E. Schmidt, <i>Doctor of Science</i>
Address	Eric E. Schmidt
Presentation of Candidates	Jean Morrison UNIVERSITY PROVOST & CHIEF ACADEMIC OFFICER Karen H. Antman PROVOST OF THE MEDICAL CAMPUS
Promotion of Candidates to Degrees	Robert A. Brown
President's Charge to the Graduates	Robert A. Brown
Clarissima (words and music on page 105)	Michael Convicer
Benediction	Bishop Peter D. Weaver NEW ENGLAND CONFERENCE OF THE UNITED METHODIST CHURCH
Recessional (musical titles on page 104)	



An A.S.L. interpreter for guests with hearing impairment will be stationed on the field, in front of the accessible seating area. A large-screen, real-time, open-caption video feed will also be available for the deaf and hard of hearing at this site. The First Aid Station is located in the Boston University Children's Center, 32 Harry Agganis Way, adjacent to the stadium. It is staffed by Emergency Medical Technicians. The Lost & Found Counter is in the lobby of the Boston University Police Headquarters, next door to the Children's Center.

THE METCALF MEDALS

THE METCALF MEDALS are conferred upon winners of the Metcalf Cup and Prize for Excellence in Teaching and the Metcalf Awards for Excellence in Teaching. On the back of each medal is engraved the winner's name; on the front appears a portrait of Dr. Arthur G. B. Metcalf (1908–1997) by President Emeritus John Silber. Dr. Metcalf, an alumnus, faculty



member, and founder and endower of the Metcalf Awards, served on the Board of Trustees from 1956 to 1997 and was the Board's Chairman from 1976 to 1994, when he became Chairman Emeritus. The Cup and Prize medal is struck in gold, the Award medals in silver.



THE METCALF CUP AND PRIZE FOR EXCELLENCE IN TEACHING

THE METCALF CUP and \$10,000 Prize were created by an endowment gift from the late Dr. Arthur G. B. Metcalf, an alumnus and Trustee of Boston University. Candidates are nominated by students, faculty, or alumni, and finalists are selected by a screening committee of faculty and students. The committee's recommendation is then forwarded to



the University's president. "The purpose of the prize," Dr. Metcalf stated at the time of its creation, "is to establish a systematic procedure for the review of the quality of teaching and the identification and advancement of those members of the faculty who excel as teachers, of which this cup is symbolic."

THE METCALF AWARDS FOR EXCELLENCE IN TEACHING

THE METCALF AWARDS are given annually to one or more finalists in the competition for the Metcalf Cup and Prize. The winners of the Metcalf Awards each receive \$5,000. In describing the Metcalf Awards in 1997, then President Westling said, "the Metcalf Awards for Excellence in Teaching express Boston University's understanding of the centrality of teaching in higher education. A university is many things: an active tradition of inquiry, atten-

tiveness, respect for the past and the future, a struggle to comprehend the world and the ideas we have of it, and a community defined by its open-ended debates. Teaching is what elevates and unifies these diverse elements and brings them directly into the lives of students. By recognizing and encouraging outstanding teaching, the Metcalf Awards express Boston University's deepest purpose."

THE METCALF CUP AND PRIZE FOR EXCELLENCE IN TEACHING



Andrew G. Duffy

COLLEGE OF ARTS & SCIENCES, DEPARTMENT OF PHYSICS

Dr. Andrew G. Duffy is an inspired teacher whose creative methods have transformed how students experience introductory physics. Dr. Duffy engages his students through active learning, using the latest technological tools and demonstrations that bring course material to life. Even in his largest classes, Dr. Duffy—who is a master at learning hundreds of names—creates an intimate environment.

Dr. Duffy creates compelling instructional resources for his students, including numerous introductory videos, which illustrate central concepts in physics. His classes combine lecture, interactive exercises, group discussion, and memorable demonstrations. Whether it is by crashing model cars to explain momentum or shining a laser through water to show total internal reflection, Dr. Duffy inspires and engages his students, causing them to raptly anticipate his next demonstration or explanation. Once, he mounted a revolving table, with weights in hand, to illustrate the concept of centripetal force and why figure skaters spin faster when they bring their arms closer to their bodies. In such a dynamic classroom, students gain a deeper and richer understanding of physics.

Dr. Duffy communicates his passion for physics and his deep devotion to his students. They respond with superlatives: “Dr. Duffy is the best professor I have ever had,” wrote one. “Incredible energy and charisma,” wrote another. Some resort to hyperbole: “He is the god of Physics.” Perhaps the most telling praise: “We left his class with a newfound understanding of and appreciation for the physical universe.”

Dr. Duffy has published and presented nationally on education in physics, advocating the use of varied pedagogical techniques. He has taught physics and science to secondary school teachers and is part of a National Science Foundation–funded program, called PhysTEC, to recruit and train future physics and physical science teachers to meet pressing national needs.

Pedagogical innovator, dedicated teacher, and generous mentor, Dr. Duffy explicates the world around us with flair and insight, and provides the tools to improve physics education. Boston University proudly presents Master Lecturer Andrew Duffy with the Metcalf Cup and Prize for Excellence in Teaching.

THE METCALF AWARD FOR EXCELLENCE IN TEACHING



Robert Craig Lowe, M.D.

SCHOOL OF MEDICINE, BOSTON MEDICAL CENTER, SECTION OF GASTROENTEROLOGY

Dr. Robert Craig Lowe is an inspired teacher, distinguished researcher, and superb clinician. His passion is medical education, and his masterful teaching helps train skilled and empathetic doctors. Dr. Lowe's enthusiasm for and total dedication to teaching medical students grow out of his conviction that "being a doctor is the greatest profession in the world."

Dr. Lowe strives to combine the discipline-based approach of the basic sciences with the more practical, problem-solving focus of clinical instruction. His teaching, enriched by research findings, uses cases to prompt the students to apply their knowledge and to hone their diagnostic skills. He is a caring mentor to students at all stages and to faculty colleagues; he is also a wonderful role model as a teacher and clinician. Students in his Gastroenterology Module, DRx, had only praise: "Dr. Lowe is awesome—he makes you marvel at the physiology of the GI tract!"; "the course was superbly taught and great for both the Boards and

the Wards"; "he is an effective, compassionate, and knowledgeable physician"; and "he demonstrates how empathy itself can be healing." Perhaps the greatest tribute that was received is "he is exactly the kind of physician I would hope to be in a few years."

Dr. Lowe considers himself a student of medical education as well as a teacher. He is always seeking to improve his teaching and the medical curriculum. He has offered faculty development courses, lectured, and published on multiple aspects of liver disease. He also has won every teaching award in the School of Medicine.

Dr. Lowe was recently selected by *Boston* magazine as one of the "Best of Boston"; more important, he is also one of the best of Boston University. His exemplary commitment to the teaching of the art and science of medicine has shown students how to practice their profession with both expertise and compassion. Boston University proudly presents Dr. Lowe with the Metcalf Award for Excellence in Teaching.

THE METCALF AWARD FOR EXCELLENCE IN TEACHING



Marisa Milanese

COLLEGE OF ARTS & SCIENCES, WRITING PROGRAM

Ms. Marisa Milanese is an outstanding Senior Lecturer in the freshman Writing Program, who welcomes the challenge of teaching required writing courses. Her aim is to transform students' understanding of the writing process and to give them rhetorical and critical skills that are broadly applicable to their career at Boston University and beyond. Admitting that she is "almost embarrassingly excited about everything from film theory to semicolons," she achieves her goal using carefully crafted interdisciplinary courses, taught with irrepressible enthusiasm.

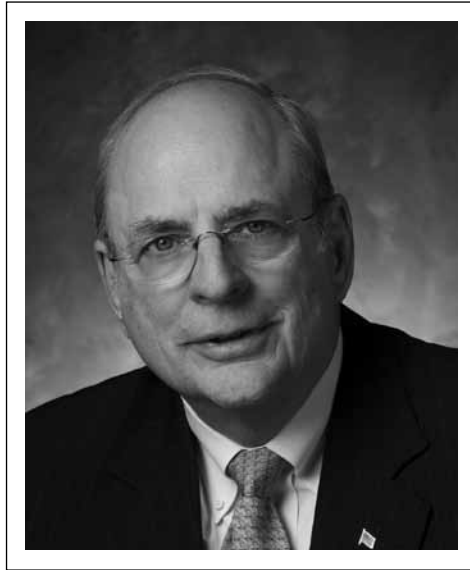
Ms. Milanese engages her students through challenging content. She then carefully reads multitudinous writing assignments and holds intensive individual and group working sessions, through which students receive invaluable mentoring, and her class becomes a true community. Grateful students praise her: "She provides the perfect transition for entering freshmen, combining real-world expectations with guidance for the next four years"; "she is a model teacher...and has a personal investment in each one of her students"; "Ms. Milanese

embodied every aspect of the active, interested, and patient professors advertised in the admissions office"!

As Curriculum Coordinator, Ms. Milanese mentors Writing Program faculty and has greatly increased the teaching resources for her colleagues. The Program Director praised her as "a shining star on the Writing Program's faculty...she illuminates everything around her. She is a superb teacher, but she is also a superb institutional citizen, whose generosity toward her colleagues makes them better teachers as well." Ms. Milanese has been active in outreach efforts, providing writing tutorials at English High School and participating in the educational initiative, Success Boston.

Gifted teacher, caring mentor, and contributor to the community, Ms. Milanese has transformed the writing and sharpened the reasoning of all her students. In so doing, she has given them powerful tools to be used in any field. Boston University is pleased to present Ms. Milanese with the Metcalf Award for Excellence in Teaching.

HONORARY DEGREES



Norman R. Augustine

DOCTOR OF SCIENCE

Norman R. Augustine was raised in Colorado and attended Princeton University, earning a Bachelor of Science in Engineering, in aeronautical engineering, *magna cum laude*, and a Master of Science in Engineering. He joined the Douglas Aircraft Company in 1958 as a research engineer, and later became chief engineer. Beginning in 1965, he served in the Office of the Secretary of Defense as assistant director of defense research and engineering.

He joined LTV Missiles and Space Company in 1970 as vice president for advanced programs and marketing. In 1973 he returned to government service as Assistant Secretary of the Army and in 1975 became Under Secretary of the Army, and later Acting Secretary of the Army.

He joined Martin Marietta Corporation in 1977 as vice president of technical operations and became CEO in 1987 and chairman in 1988. He became president of Lockheed Martin upon the formation of that company in 1995, retiring as chairman and CEO in 1997.

Mr. Augustine served for 16 years on the President's Council of Advisors on Science and Technology under Democratic and Republican presidents and led two major reviews of the future of the U.S. space program, in 1990 and 2009. He led a 2005 National Academies of Science commission that produced a landmark report, *Rising Above the Gathering Storm: Energizing and Employing America for a Brighter Economic Future*.

He has been chairman of the American Red Cross and the National Academy of Engineering, served as president of the Boy Scouts of America and on the boards of Johns Hopkins, MIT, and Princeton, and as a Fellow of the National Academy of Arts and Sciences.

Mr. Augustine has received the National Medal of Technology, the Joint Chiefs of Staff Distinguished Public Service Award, and the Department of Defense's highest civilian decoration, the Distinguished Service Medal.

HONORARY DEGREES



Thomas G. Kelley

DOCTOR OF LAWS

Thomas G. Kelley, a native of Boston, joined the United States Navy after graduating from the College of the Holy Cross in 1960.

In June 1969, while in command of River Assault Division 152, he led a column of eight assault craft up a canal in Kien Hoa Province, South Vietnam, to extract a U.S. Army infantry company. One of the boats became disabled when its ramp malfunctioned just as the Americans came under heavy fire from Viet Cong forces on the opposite bank. Lieutenant Kelley ordered the other boats to form a protective cordon around the disabled boat while its crew attempted to raise the ramp manually. He maneuvered his own boat into the line of fire in order to engage the enemy. A rocket-propelled grenade exploded near his head, causing severe wounds. Although unable to stand or speak clearly, he continued to direct

the operation by relaying orders through one of his men, thereby saving the Army company and the men and boats under his command. For his bravery and leadership, he was awarded the Medal of Honor.

Following his recovery from injuries sustained in the fight, including the loss of an eye, he convinced his superiors to allow him to remain in the Navy, serving until 1990 and retiring as a captain.

After leaving the Navy, he worked for the Department of Defense and then returned to Massachusetts, where he was appointed Commissioner of the Commonwealth's Department of Veterans' Services in 1999, and Secretary of the Department in 2003. Having advocated tirelessly for veterans, individually and in groups, he retired from public service in 2010 with the deep respect and admiration of those he served and their families.

HONORARY DEGREES



Sandra L. Lynch

DOCTOR OF LAWS

The Honorable Sandra L. Lynch, the daughter of a career Army intelligence officer, lived overseas during much of her childhood before attending high school in Dallas. She is a graduate of Wellesley College and the Boston University School of Law.

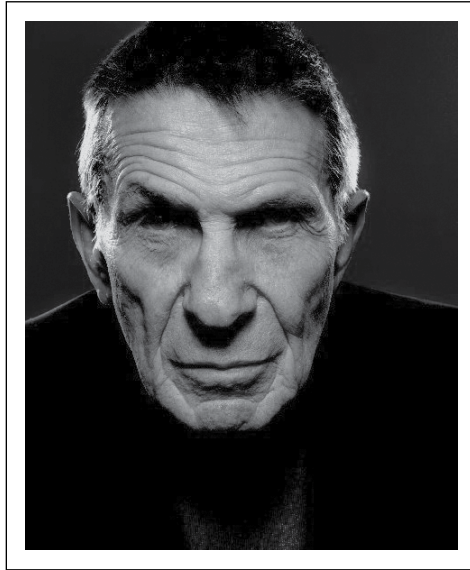
She became Chief Judge of the United States Court of Appeals for the First Circuit in 2008. Judge Lynch was the first woman to be appointed to that court, in 1995, after Justice Stephen Breyer was named to the Supreme Court. She is also chair of the First Circuit Judicial Council and a member of the Judicial Conference of the United States, which sets policy for the federal courts. The *New York Times* reported that Judge Lynch's opinions were among the most cited federal court of appeals decisions.

After law school, she became the first female law clerk in the U.S. District Court for Rhode Island, and later was the first woman to serve as the head of the

Litigation Department in the prestigious Boston firm of Foley, Hoag and Eliot, handling numerous complex litigations, as well as pro bono cases. She also has served as an Assistant Attorney General for the Commonwealth of Massachusetts and General Counsel to the Massachusetts Department of Education, where she worked on the Boston School desegregation case and implemented the state's gender equity and special needs statutes.

A former president of the Boston Bar Association, she successfully promoted state court reform and accountability legislation. Judge Lynch was instrumental in the creation of public outreach programs at the federal court, including an education project for elementary, middle, and high school students. She also has been active in the American Bar Association and has won numerous awards in recognition of her contributions.

HONORARY DEGREES



Leonard S. Nimoy

DOCTOR OF HUMANE LETTERS

Leonard Nimoy was born in Boston in 1931, the son of Russian Jewish immigrants. He grew up in a West End tenement and began acting at a young age at the Elizabeth Peabody Playhouse on Charles Street. He moved to Los Angeles at 18 and spent the next 16 years pursuing his craft and career in television, stage, and film. His success in *Star Trek* beginning in 1966 gained him worldwide recognition for his iconic portrayal of the Vulcan science officer Mr. Spock and earned him three Emmy nominations.

He became a successful movie director with *Star Trek III: The Search for Spock*, *Star Trek IV: The Voyage Home*, *The Good Mother*, and the blockbuster hit *Three Men and a Baby*.

On Broadway, Nimoy has starred in *Equus* and *Full Circle*. Other stage credits include *Camelot*, *Twelfth Night*, *Caligula*, and *Fiddler on the Roof*. *Vincent*, his one-man play about Vincent Van Gogh, toured the United States and was broadcast on A&E.

He earned his fourth Emmy nomination when he appeared in *A Woman Called Golda*, opposite Judy Davis and Ingrid Bergman. In *Never Forget* he portrayed a survivor who fought a successful court battle against Holocaust deniers. The program was nominated for a Cable Ace award.

Nimoy's fine art photography is in private collections, galleries, and museums throughout the country. His photographic essays have covered the subject of the feminine presence of God, in *Shekhina*, and body image, in *The Full Body Project*. His most recent work, *Secret Selves*, is a large-scale photographic portrait series that explores each individual's lost or hidden self. It opened at the Massachusetts Museum of Contemporary Art in 2010, and was named one of the 10 most important museum exhibits of that year.

A successful recording artist and author, Nimoy has published two autobiographies and several volumes of poetry, two of which also feature his photographs.

HONORARY DEGREES



Eric E. Schmidt

DOCTOR OF SCIENCE

Eric E. Schmidt was born in Washington, D.C., and grew up in Blacksburg, Virginia. He earned a Bachelor of Science in Electrical Engineering from Princeton University as well as a master's degree and Ph.D. in computer science from the University of California, Berkeley.

A transformational business leader and engineer, Dr. Schmidt has earned worldwide respect for changing how we use and rely on the Internet.

Since joining Google in 2001, Dr. Schmidt has helped grow the company from a Silicon Valley start-up to a global leader in technology. As executive chairman, he is responsible for the external matters of Google: building partnerships and broader business relationships, government outreach, and technology thought leadership, as well as advising the CEO and senior leadership on business and policy issues.

From 2001 to 2011, Dr. Schmidt served as Google's chief executive officer, overseeing the company's

technical and business strategy alongside founders Sergey Brin and Larry Page. Under his leadership, Google dramatically increased the scale of its infrastructure and diversified its product offerings while maintaining a strong culture of innovation.

Prior to joining Google, Dr. Schmidt was the chairman and CEO of Novell and chief technology officer at Sun Microsystems, Inc. Previously, he served on the research staff at Xerox Palo Alto Research Center (PARC), Bell Laboratories, and Zilog.

Dr. Schmidt is a member of the President's Council of Advisors on Science and Technology and the Prime Minister's Advisory Council in the United Kingdom. He was elected to the National Academy of Engineering in 2006 and inducted into the American Academy of Arts and Sciences as a Fellow in 2007. He also chairs the board of the New America Foundation, and has been a trustee of the Institute for Advanced Study in Princeton, New Jersey, since 2008.

HONORARY DEGREE RECIPIENTS OF THE PAST 25 YEARS

<p>2011 Katie Couric Victoria Reggie Kennedy Jacques Pépin Frank Stella Nina Totenberg Ahmed Zewail</p> <p>2010 Edward Albee William T. Coleman, Jr. Wafaa El-Sadr Eric H. Holder, Jr. Osamu Shimomura</p> <p>2009 J Allard Larry J. Bird Michael E. Capuano Alan M. Leventhal Steven Spielberg Gloria E. White-Hammond</p> <p>2008 Earle M. Chiles Millard Drexler William H. Hayling Billie Jean King Lawrence Lucchino</p> <p>2007 Bill Kovach Steven Chu Brice Marden Judy Norsigian Samuel O. Thier Peter H. Vermilye</p> <p>2006 Nancy Goodman Brinker Aram V. Chobanian Dean Kamen Leslie Moonves Frederick S. Pardee Patricia Meyer Spacks</p> <p>2005 David Aronson John W. Henry Shirley Ann Jackson Hamid Karzai John Forbes Kerry Christine Todd Whitman Edward J. Zander</p> <p>2004 His Beatitude Anastasios Bill Belichick Saul Bellow Irwin Chafetz Keith Lockhart Edward J. Markey J. Craig Venter Alfre Woodard</p>	<p>2003 Van Cliburn Lukas Foss Karen Elliott House Nasser David Khalili Velia N. Tosi Gerald Tsai, Jr. Jon Westling George F. Will</p> <p>2002 Rev. Michael E. Haynes William F. Russell Marisa Tomei</p> <p>2001 Sila M. Calderón Leonard Florence Thomas M. Menino Kathryn Underwood Silber Rev. Nicholas C. Triantafilou</p> <p>2000 Olympia Dukakis Norman B. Leventhal Guy A. Santagate Ruth J. Simmons Tom Wolfe</p> <p>1999 James F. Carlin Geena Davis Rev. Ray Alexander Hammond II Henry A. Kissinger Stephen J. Trachtenberg</p> <p>1998 Jordan J. Cohen Mary Jane England Ralph D. Feigin Rev. Floyd H. Flake Claudia "Lady Bird" Johnson Rachel B. Keith Gary Locke Donald O'Connor David Satcher</p> <p>1997 John Biggers Fredrick Fu Chien Joseph Ciechanover Maurice Druon Sheikh Hasina Kim Woo-Choong Lee Teng-hui John J. Parker Christopher Reeve Gonzalo Sánchez de Lozada Joseph L. Tauro Rev. Juan Julio Wicht Rossel</p>	<p>1996 William M. Bulger Aaron Feuerstein John A. Kelley Paul J. Liacos Steven A. Schroeder Alfonso Valdivieso Sarmiento Barbara Polk Washburn Henry Bradford Washburn, Jr. August Wilson</p> <p>1995 Jason Alexander Stephen G. Breyer Adelaide M. Crömwel Robert K. Kraft Nakedi Mathews Phosa Norman Podhoretz Rabbi Joseph Polak John Silber</p> <p>1994 Luciano Benetton Jo Benkow Dorothy L. Brown Janez Drnovsek Eduardo Frei Ruiz-Tagle Julie Harris François Léotard Ross Perot Sumner M. Redstone Robert Shaw Diana Chapman Walsh</p> <p>1993 W. Edwards Deming Joseph H. Hagan C. Everett Koop John F. Smith, Jr. Gordon R. Sullivan Derek A. Walcott Marilyn E. Wilhelm Rev. Johnny Ray Youngblood</p> <p>1992 Beverly B. Byron Wynton Marsalis Joseph A. Moore Fred Rogers Sue Bailey Thurman Mario Vargas Llosa</p>	<p>1991 Gregory H. Adamian Roone Arledge Thomas Stephens Haggai Jesse Loftis Johnson Toshiki Kaifu Aubrey Fook-Wo Li C. Eric Lincoln David Riesman Yitzhak Shamir Eduard A. Shevardnadze</p> <p>1990 Satoshi Iue Angela Lansbury Louis E. Lataif K. T. Li Andrew P. Quigley Louis W. Sullivan Vernon A. Walters Marion Wiesel</p> <p>1989 Barbara Pierce Bush George H. W. Bush May-ling Soong Chiang King Hussein Ibn Talal Helmut Kohl François Mitterrand Paul Weiss</p> <p>1988 Harold Burson Arthur Cohn Howard B. Gotlieb Mary-Jane Hemperley Karl Alexander Muller Richard John Neuhaus Carlo Rubbia An Wang Faith Ryan Whittlesey Carl Michael Yastrzemski</p> <p>1987 Lerone Bennett, Jr. Virginia Hughes Chiles Robert F. Daniell Harry Ellis Dickson Clara Hale Gertrude Himmelfarb Benoit Mandelbrot William H. Rehnquist Terence A. Todman</p>
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ACADEMIC TRADITIONS

ACADEMIC DRESS: The academic dress worn by today's graduates reflects a tradition begun in the late twelfth century, when universities were taking form. Originally the dress may have had a practical purpose: to keep the student warm in unheated buildings. Today it is ceremonial. American colleges and universities subscribe to a code of academic dress first adopted in 1895. The Academic Costume Code is divided into three parts: caps, gowns, and hoods.

The traditional cap is the mortarboard, which is worn by our bachelor's and master's degree candidates. The colored tassels worn from the mortarboards identify the graduate's discipline or field of study. Boston University's doctoral candidates wear an octagonal tam with gold tassels.

The gown for the bachelor's degree is simple, with open sleeves. The master's gown has a long, curved extension at the bottom of the sleeve, and is narrow at the wrist. Bachelor's and master's gowns are always untrimmed. The more ornate doctoral gown is faced with velvet and features three velvet bars on each sleeve. The velvet is black for all disciplines except law, dentistry, and medicine, which are faced with those fields' traditional colors: purple, lilac, and green. The sleeves are bell-shaped and billowing.

Bachelor's candidates at Boston University do not wear hoods as part of their dress. The master's hood is three and one-half feet in length, and the doctoral hood is four feet with panels on the sides. The lining of the hoods is unique to the university: every university, according to the Academic Costume Code, has a distinct pattern. The Boston University hood is lined with a single white chevron on a scarlet field. The color of the velvet edging of the hood corresponds to the graduate's field of study. Academic disciplines and associated colors seen at today's Commencement include:

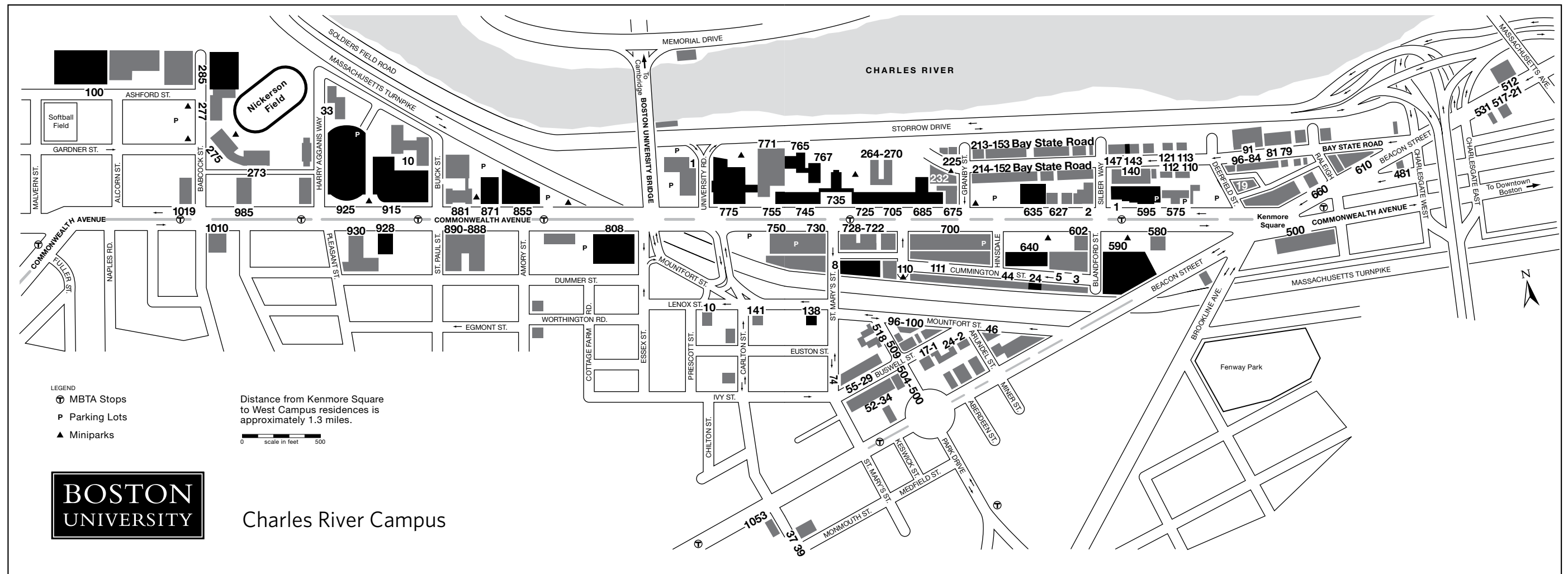
Arts, Letters, Humanities—white	Music—pink
Business, Management—drab	Philosophy—dark blue
Dental Medicine—lilac	Physical Therapy—teal
Education—light blue	Public Health—salmon
Engineering—orange	Sciences—yellow
Fine Arts—brown	Social Work—citron
Law—purple	Theology—scarlet
Medicine—green	

THE ACADEMIC PROCESSION: The University Marshal presides over the Academic Procession, standing at the front of the platform. He raises the mace to signify that Commencement is ready to begin; as he lowers it, the music begins and the graduates begin to march onto the field. The faculty procession follows the student procession. The platform party follows the faculty; the President is the last person in the procession. At the conclusion of the ceremony, the University Marshal leads the President and the platform party off the field, followed by the faculty. There is no student procession at the end of Commencement. Graduates and guests are asked to remain in their places until the platform party and faculty have left Nickerson Field.

PRESIDENT'S COLLAR: The collar is a chain of repeating decorative links. Such collars were often worn in the Middle Ages as a badge of office. The Boston University collar, symbolizing the office of the President, is composed of the University seal alternating with the letters BU; a larger seal is suspended from it. The collar was designed in the 1980s by the late Dr. Arthur G. B. Metcalf, alumnus, Associate Founder of the University, and Chairman Emeritus of the Board of Trustees.

MACE: The mace was originally a weapon of war; heavy, often with a spiked metal head, it was designed to damage an opponent's armor. It has evolved into a symbol of institutional authority. The academic mace, representing the authority of the university, is carried at the front of formal academic processions.

The Boston University mace was also designed in the 1980s by Dr. Metcalf. It is fashioned of sterling silver and has two University seals intertwined on the button end. In today's ceremony, it is borne by the University Marshal.



SCHOOL AND COLLEGE DIPLOMA CONVOCATIONS

School/College	Day/Time	Place
College and Graduate School of Arts & Sciences		
Doctoral Hooding Ceremony (Ph.D. only)	Fri. 5:30 pm	George Sherman Union, Metcalf Hall 775 Commonwealth Avenue
(B.A. and M.A. candidates)		
African American Studies	Sat. 4 pm	Departmental Offices 138 Mountfort Street
American & New England Studies	Sun. 9 am	Metcalf Science Center Auditorium 590 Commonwealth Avenue
Anthropology	Sun. 4 pm	Photonics Colloquium Room 8 St. Mary's Street, Ninth Floor
Archaeology	Sat. 5:30 pm	Tsai Performance Center 685 Commonwealth Avenue
Astronomy	Sat. 5:30 pm	College of Arts & Sciences 725 Commonwealth Avenue, Room 522
Biochemistry & Molecular Biology	Sun. 4 pm	Tsai Performance Center 685 Commonwealth Avenue
Biology	Sun. 9 am	Fitness & Recreation Center 915 Commonwealth Avenue
Chemistry	Sat. 5:30 pm	College of Fine Arts 855 Commonwealth Avenue, Concert Hall
Classical Studies	Sun. 9 am	George Sherman Union 775 Commonwealth Avenue, Fifth Floor Faculty Dining Room
Computer Science	Sun. 9 am	School of Law Auditorium 767 Commonwealth Avenue
Earth Sciences	Sat. 5:30 pm	Life Sciences & Engineering Auditorium 24 Cummington Street

School/College	Day/Time	Place
Economics	Sun. 4 pm	Fitness & Recreation Center 915 Commonwealth Avenue
Editorial Institute	Sat. 4 pm	Departmental Offices 143 Bay State Road
English	Sat. 5:30 pm	George Sherman Union, Metcalf Hall 775 Commonwealth Avenue
Geography & Environment	Sun. 9 am	Fuller Events Facility 808 Commonwealth Avenue
History	Sat. 5:30 pm	College of General Studies Auditorium 871 Commonwealth Avenue
History of Art & Architecture	Sun. 9 am	Tsai Performance Center 685 Commonwealth Avenue
International Relations	Sat. 6 pm	Walter Brown Arena 285 Babcock Street
Marine Program (BUMP)	Sat. 5:30 pm	Metcalf Science Center Auditorium 590 Commonwealth Avenue
Mathematics & Statistics	Sun. 9 am	College of General Studies Auditorium 871 Commonwealth Avenue
Medical Science	Sun. 9 am	Photonics Auditorium 8 St. Mary's Street, Room 206
Modern Languages & Comparative Literatures	Sun. 9 am	Sargent College Auditorium 635 Commonwealth Avenue
Music (with College of Fine Arts)	Sat. 11 am	Track & Tennis Center 100 Ashford Street
Neuroscience Program	Sun. 9 am	College of Fine Arts Concert Hall 855 Commonwealth Avenue
Philosophy	Sat. 5:30 pm	School of Law Auditorium 767 Commonwealth Avenue

School/College	Day/Time	Place
Physics	Sun. 9 am	Metcalf Trustee Center One Silber Way, Ninth Floor
Political Science	Sun. 9 am	George Sherman Union, Metcalf Hall 775 Commonwealth Avenue
Psychology	Sun. 4 pm	Walter Brown Arena 285 Babcock Street
Religion	Sun. 9 am	Photonics Colloquium Room 8 St. Mary's Street, Ninth Floor
Romance Studies	Sun. 4 pm	Fuller Events Facility 808 Commonwealth Avenue
Sociology	Sun. 9 am	School of Management Auditorium 595 Commonwealth Avenue Room 105
College of Communication (Master's candidates)	Sat. 2 pm	College of Communication Auditorium 640 Commonwealth Avenue
(Bachelor's candidates)	Sun. 4 pm	Agganis Arena 925 Commonwealth Avenue
School of Education	Sat. Noon	Walter Brown Arena 285 Babcock Street
College of Engineering (Doctoral candidates)	Sat. 6:30 pm	School of Management Auditorium 595 Commonwealth Avenue, Room 105
(Bachelor's and Master's candidates)	Sun. 4:30 pm	Track & Tennis Center 100 Ashford Street
College of Fine Arts	Sat. 11 am	Track & Tennis Center 100 Ashford Street
Henry M. Goldman School of Dental Medicine	Fri. 3 pm	Walter Brown Arena 285 Babcock Street

School/College	Day/Time	Place
School of Hospitality Administration	Sat. 10 am	George Sherman Union, Metcalf Hall 775 Commonwealth Avenue
School of Law	Sun. 9 am	Agganis Arena 925 Commonwealth Avenue
School of Management (Bachelor's candidates)	Fri. 12:30 pm	Agganis Arena 925 Commonwealth Avenue
(Master's and Doctoral candidates)	Fri. 5 pm	Agganis Arena 925 Commonwealth Avenue
School of Medicine	Sat. 10 am	Agganis Arena 925 Commonwealth Avenue
Graduate Medical Sciences Division (Master's candidates)	Fri. 10 am	George Sherman Union, Metcalf Hall 775 Commonwealth Avenue
(Ph.D. & M.D./Ph.D. candidates with School of Medicine)	Sat. 10 am	Agganis Arena 925 Commonwealth Avenue
Metropolitan College	Sat. 6 pm	Track & Tennis Center 100 Ashford Street
School of Public Health	Sat. 5 pm	Agganis Arena 925 Commonwealth Avenue
College of Health & Rehabilitation Sciences: Sargent College	Sun. 9 am	Track & Tennis Center 100 Ashford Street
School of Social Work	Fri. 4 pm	Fitness & Recreation Center 915 Commonwealth Avenue
School of Theology	Sun. 4 pm	Marsh Chapel 735 Commonwealth Avenue

PRELUDE CONCERT

Fanfare from <i>La Péri</i>	<i>Paul Dukas</i>
“O Magnum Mysterium”	<i>Morten Lauridsen</i>
Festival Celebration Music (in a Russian Style)	<i>Elena Roussanova Lucas</i>
Svatba	<i>Bulgarian Folk Song</i>
Suite Americana No. 1: “Son de México”	<i>Enrique Crespo</i>
Symphony for Brass and Percussion, Con moto	<i>Alfred Reed</i>
Santorini	<i>Yanni</i>
Vienna Philharmonic Fanfare	<i>Richard Strauss</i>
Keystone Celebration	<i>John Cheetham</i>

PROCESSIONAL MUSIC

Flourish for Wind Band	<i>Ralph Vaughan Williams</i>
Pavane “La Bataille”	<i>Tielman Susato</i>
Pomp and Circumstance March, No. 1	<i>Edward Elgar</i>

RECESSIONAL MUSIC

“Go BU”	<i>Ranny Weeks and Bernie Fazioli</i>
“Hey! Baby”	<i>Margaret Cobb and Bruce Channel</i>
Theme from <i>Star Trek</i>	<i>Alexander Courage and Michael Giacchino</i>
Suite in F, Op. 28, No. 2, March	<i>Gustav Holst</i>

CLARISSIMA

Dean B. Doner

Brenton C. Patterson, 1911

1
Bos - ton U - ni - ver - si - ty, Proud with mis - sion sure;————

5
Keep - ing the light of know - ledge high, long to en - dure;————

9
Treas' - ring the best of all that's old, search - ing out the new;————

13
Our Al - ma Ma - ter ev - er - more! Hail B. U.————

New lyrics for "Clarissima" were written by the late Dean B. Doner, a Vice President of Boston University from 1973 to 1986.

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