FACT BOOK

Johns Hopkins

Everything you wanted to know about America’s first research university
We began by asking big questions.
“What are we aiming at?”

That’s the question Daniel Coit Gilman asked in 1876, at his inauguration as Johns Hopkins University’s first president. His answer, in part: “The encouragement of research . . . and the advancement of individual scholars, who by their excellence will advance the sciences they pursue, and the society where they dwell.”

Gilman believed that teaching and research are interdependent, that success in one depends on success in the other, and that a modern university must do both well. Johns Hopkins was the nation’s very first research university, and the realization of Gilman’s philosophy here, and at other institutions that later attracted Johns Hopkins—trained scholars, revolutionized higher education in America.

For more than 140 years later, Johns Hopkins remains a world leader in both teaching and research, with nine academic divisions—the Krieger School of Arts and Sciences, the Whiting School of Engineering, the Bloomberg School of Public Health, the Carey Business School, the Peabody Institute, the Paul H. Nitze School of Advanced International Studies, and the schools of Medicine, Nursing, and Education—plus the Applied Physics Laboratory, a nonacademic division that supports national security and pursues space science, exploration of the solar system, and other civilian research and development.

1. The university’s graduate programs in public health, nursing, biomedical engineering, medicine, and education are considered among the best in the country, according to U.S. News & World Report. The master’s and doctoral programs in nursing and public health and the graduate program in biomedical engineering all rank No. 1. The School of Medicine as at No. 2 on the list of research-oriented medical schools. The programs in internal medicine, surgery, radiology, and anesthesiology programs were all ranked No. 1. And the School of Education is tied at No. 7. The university itself is tied for No. 10 on the list of top national universities. Its undergraduate engineering program is tied for No. 14. The university ranks at No. 12 on the list of the best global universities.

2. Johns Hopkins claims 27 Nobel laureates past and present. Among current faculty, there are three—as well as 51 American Academy of Arts and Sciences members; 57 members of the Health and Medicine Division, seven recipients of the Lasker Medical Research Award, six MacArthur fellows, four members of the National Academy of Engineering, 27 members of the National Academy of Sciences, two Presidential Medal of Freedom winners, and one Pulitzer Prize winner.

3. It is the leading U.S. academic institution in total research and development spending. In fiscal year 2017, the university performed $2.562 billion in medical, science, and engineering research. It has ranked No. 1 in higher education research spending for the 39th year in a row, according to the National Science Foundation.

   The university also ranks first on the NSF’s list for federally funded research and development, spending $2.179 billion in fiscal year 2017 on research supported by the NSF, NASA, the National Institutes of Health, and the Department of Defense.

4. Johns Hopkins is Maryland’s largest employer, a major purchaser of goods and services, a sponsor of construction projects and a magnet for students and visitors. In fiscal year 2017, we estimate that Johns Hopkins and its affiliates directly and indirectly accounted for more than $11 billion in economic output in Maryland, and 51,111 jobs.

5. The university has a presence in nearly every corner of the globe. It has campuses in Maryland and Washington, plus Bologna, Italy, and Nanjing, China; faculty and students conduct research on six continents; and more than 20 percent of the university’s students come from countries outside the United States.
We made water purification possible.
We also developed the ramjet engine, launched the field of genetic engineering, and authenticated the Dead Sea Scrolls.

At Johns Hopkins, research isn’t just something we do—it’s who we are. For more than 140 years, our faculty and students have worked side by side in a tireless pursuit of discovery. Their efforts have led to advances in human knowledge that include the first color photograph of Earth taken from space and the research that led to child safety restraint laws, Dramamine, rubber surgical gloves, and, yes, the system of water purification by chlorination, which was eventually adopted by every major municipal and industrial water supply system in the country and many other parts of the world.

The good work continues, with faculty conducting research in the humanities, social and natural sciences, engineering, international studies, education, business, and health and medicine—and about two-thirds of our undergraduates engaging in some form of research during their time here. Who knows what they’ll discover next?

OVER THE YEARS, JOHNS HOPKINS RESEARCHERS...

Unveiled the first detailed images of images of Ultima Thule—the most distant space object ever explored—as part of the New Horizons mission (2019)

Designed, built, and operated the Parker Solar Probe, a NASA spacecraft that will travel within 4 million miles of the surface of the sun (2018)

Developed and received FDA-approval for an immunotherapy drug for cancer based on genetic glitch rather than organ site (2017)

Built JEDI, one of nine scientific instruments aboard NASA’s Juno spacecraft, which is orbiting Jupiter (2016)

Designed, built, and operated the New Horizons spacecraft, which completed a flyby of Pluto (2015)

Cataloged more than 80 percent of the proteins in the human body—the "proteome"—as a biomedical resource (2014)

Showed that half-matched bone marrow transplants are comparable to fully matched tissue (2011)

Developed a blood test for cancer (2008)

First cancer genomes decoded (2006)

Determined that massive, mature, fully formed galaxies existed more than 8 billion years ago, far earlier than expected, necessitating a re-examination of the dominant theory of galactic evolution (2004).

Sent a spacecraft to Mercury to orbit the planet and see its entire surface for the first time (2004)


Landed the first spacecraft on an asteroid (2001)

Isolated and cultivated human embryonic stem cells, the undifferentiated cells from which an entire human being eventually develops (1998)

Helped develop the first effective treatment for sickle cell anemia (1995)

Discovered that pennies’ worth of vitamin A supplements administered to Indonesian children as part of a blindness prevention program were accompanied by a dramatic drop in infant death rates, leading to similar vitamin treatments for thousands of children in developing countries (1983–86)

Identified high rates of infant deaths in motor vehicle accidents, leading to the passage of child safety restraint laws throughout the United States (1978–79)

Developed the first successful treatment to desensitize people against bee stings (1975)

Invented the first implantable, rechargeable pacemaker for cardiac disorders (1972)

Took the first color photograph of the whole earth from space (1967)

Discovered restriction enzymes, the so-called “biochemical scissors,” which gave birth to the entire field of genetic engineering (1960s). The discoveries were awarded the Nobel Prize in 1978 for their achievement

Conducted the first large-scale research study of conditions of inequality in American schools, which resulted in the landmark report “Equality of Educational Opportunity” (1960)

Invented cardiopulmonary resuscitation, thanks to a chance observation during work on the defibrillating machine (also invented at Johns Hopkins) that weight placed on the chest increases blood pressure (1958. First performed in July 1959)

Showed that retrolental fibroplasia, which causes blindness in premature infants, was related to high concentrations of oxygen used in babies’ incubators (1954)

Confirmed the authenticity of the Dead Sea Scrolls, speeding acceptance as genuine of these earliest biblical manuscripts (1948)

Discovered Dramamine’s effectiveness in alleviating motion sickness (1948)

Immunized chimpanzees with inactivated vaccines, essential to the development of the first widely used polio vaccine and a major step toward the prevention of poliomyelitis in human beings (1947–52)

Took the first images of Earth’s curvature, from a V-2 rocket (1946)

Developed the first supersonic ramjet engine (1944)

Developed the “blue baby” operation to correct congenital heart defects, ushering in a new era in open heart surgery (1944)

Published the first modern edition of the Epic of Gilgamesh, making available to the world the most significant extra-biblical work of ancient Near Eastern literature (1891)

Introduced the rubber glove for use during surgery (1889)
Adam Riess discovered dark energy.
And in 2011, he won a Nobel Prize in physics for his part in showing that the expansion rate of the universe is accelerating.

In fact, there have been 27 Nobel Prize winners associated with Johns Hopkins University, either as graduates or faculty, before, at the time of, or subsequent to their receipt of the prize. And they are in good company, swapping ideas and sharing office space with MacArthur fellows, presidential honorees, National Academies members, and Academy of Arts and Sciences members.

Woodrow Wilson, PhD 1886 (History)  
Nobel Peace Prize, 1919

James Franck  
Professor of Physics, 1935–38  
Nobel Prize in Physics, 1925

Thomas Hunt Morgan, PhD 1890  
(Zoology)  
Nobel Prize in Physiology or Medicine, 1933

George Hoyt Whipple, MD 1905  
Associate Professor of Pathology, 1910–14  
Nobel Prize in Physiology or Medicine, 1934

Joseph Erlanger, MD 1899  
Assistant in Physiology, 1900–1901  
Instructor, 1901–1903  
Associate, 1903–1904  
Associate Professor, 1904–1906  
Nobel Prize in Physiology or Medicine, 1944

Herbert Spencer Gasser, MD 1915  
Nobel Prize in Physiology or Medicine, 1944

Vincent du Vigneaud  
National Research Fellow, Pharmacology, 1927–28  
Nobel Prize in Chemistry, 1955

Maria Goeppert-Mayer  
Assistant in Physics, 1930–32  
Associate, 1932–36  
Nobel Prize in Physics, 1963

Francis Peyton Rous, AB 1900, MD 1905  
Nobel Prize in Physiology or Medicine, 1966

Haldan Kefler Hartline, MD 1927  
Professor of Biophysics, 1949–54  
Nobel Prize in Physiology or Medicine, 1967

Simon Kuznets  
Professor of Political Economy, 1954–60  
Nobel Memorial Prize in Economic Sciences, 1971

Christian B. Anfinsen  
Professor of Biology, 1982–95  
Nobel Prize in Chemistry, 1972

Hamilton O. Smith, MD 1956  
Assistant Professor of Microbiology, 1967–69  
Associate Professor, 1969–73  
Professor, 1973–98  
Professor Emeritus, 1998–present  
Nobel Prize in Physiology or Medicine, 1978

Daniel Nathans  
Assistant Professor, 1962–65  
Associate Professor, 1965–67  
Professor of Molecular Biology and Genetics, 1967–99  
Interim President, 1995–96  
Nobel Prize in Physiology or Medicine, 1978

David H. Hubel  
Assistant Resident, Neurology, 1954–55  
Fellow, Neuroscience, 1958–59  
Nobel Prize in Medicine, 1981

Torsten Wiesel  
Fellow, Ophthalmology, 1955–58  
Assistant Professor, 1958–59  
Nobel Prize in Physiology or Medicine, 1981

Merton H. Miller, PhD 1952  
(and honorary doctorate 1993) (Economics)  
Nobel Memorial Prize in Economic Sciences, 1990

Robert W. Fogel, PhD 1963 (Economics)  
Nobel Memorial Prize in Economic Sciences, 1993

Martin Rodbell, BA 1949 (Biology)  
Nobel Prize in Physiology or Medicine, 1994

Jody Williams, MA 1984 (Latin American Studies)  
Nobel Peace Prize, 1997

Paul Greengard, PhD 1953 (Biophysics)  
Nobel Prize in Physiology or Medicine, 2000

Riccardo Giacconi  
Professor of Physics and Astronomy, 1982–97  
Research Professor of Physics and Astronomy, 1998–present  
Nobel Prize in Physics, 2002
**NOBEL PRIZE WINNERS**

**Peter Agre**, MD 1974
Postdoctoral Fellow, Department of Pharmacology, 1974–75
Research Associate/Instructor, Cell Biology and Anatomy, and Medicine, 1981–83
Assistant Professor, 1984–88
Associate Professor, 1988–93
Professor of Biological Chemistry and Medicine, 1993–2005
Malaria Institute, 2008–present
Bloomberg Distinguished Professor, 2014
Nobel Prize in Chemistry, 2003

**Richard Axel**, MD 1971
Nobel Prize in Physiology or Medicine, 2004

**Andrew Fire**
Adjunct Professor of Biology, 1989–2009
Nobel Prize in Medicine, 2006

**Carol Greider**
Daniel Nathans Professor and Director of Molecular Biology and Genetics, Institute for Basic Biomedical Sciences, School of Medicine, 1997–present
Bloomberg Distinguished Professor, 2014
Nobel Prize in Physiology or Medicine, 2009

**Adam Riess**
Thomas J. Barber Professor in Physics and Astronomy, Zanvyl Krieger School of Arts and Sciences
Bloomberg Distinguished Professor, 2016
Nobel Prize in Physics, 2011

Note: International Physicians for The Prevention of Nuclear War Inc. of Boston, Mass., was the winner of the Nobel Peace Prize in 1985. Two Johns Hopkins graduates—**Bernard Lown**, M.D. 1945, and **James E. Muller**, M.D. 1969—were among the six physicians (three Americans, three Soviets) who founded that organization in 1980. Dr. Lown delivered one of the two Nobel acceptance speeches on behalf of the organization.

**CURRENT FACULTY HONORS**

American Academy of Arts and Sciences members: 51
Health and Medicine Division members: 57
Lasker Award winners: 8
MacArthur fellows: 6
National Academy of Engineering members: 7
National Academy of Sciences members: 34
National Academy of Medicine members: 14
National Medal of Science winners: 3
Nobel laureates: 3
Presidential Medal of Freedom winners 2
Pulitzer Prize winners: 1

**SOME NOTABLE GRADUATES**

**Virginia Apgar**, developer of Apgar score for newborns
**John Astin**, actor
**Russell Baker**, Pulitzer Prize—winning columnist for *The New York Times* and former host of PBS’ *Masterpiece Theatre*
**Manuel Barrueco**, Grammy Award—winning guitarist
**John Barth**, novelist
**Jeffrey Blitz**, writer/director of *Spellbound, Rocket Science, and Lucky*
**Wolf Blitzer**, journalist
**Carter Brey**, principal cellist of the New York Philharmonic
**Rachel Carson**, biologist, ecologist, and author of *Silent Spring*
**Richard Ben Cramer**, Pulitzer Prize—winning journalist
**Wes Craven**, film director
**Caleb Deschanel**, cinematographer
**John Dewey**, American philosopher, social critic, and educator
**Victor A. McKusick**, medical geneticist; author of *Mendelian Inheritance in Man*, the definitive source of information on human genes and genetic disorders
**James McPherson**, Pulitzer Prize—winning historian and author
**Kweisi Mfume**, former president of NAACP
**Walter Murch**, Oscar-winning film editor and sound mixer
**Caryle Murphy**, Pulitzer Prize—winning journalist, longtime international reporter for *The Washington Post*
**Tommy Newsom**, Emmy winner who was assistant conductor of the *Tonight Show* band
**Sam Palmisano**, former CEO of IBM
**Awadagin Pratt**, pianist; winner of the Naumburg International Piano Competition, 1992
**Joanne Silberner**, journalist
**Bill Stromberg**, CEO of T.Rowe Price
**John A. Wheeler**, physicist
**Woodrow Wilson**, 28th U.S. president
**Abel Wolman**, water treatment expert
Our researchers are working in 24 time zones ...
...and that’s all of them.

Johns Hopkins faculty, students, staff, and alumni have always made a practice of living, thinking, and acting globally. Johns Hopkins now reaches into nearly every corner of the globe—with campuses or centers in the United States, China, and Italy; research and training programs on every continent; medical facilities around the world; and distance education and online courses anywhere the Internet will take them.

As one of our academic divisions, SAIS has established itself as a proven training ground for the world’s diplomats, with more than 135 graduates having served as international ambassadors. In various capacities, 19,500 SAIS alumni are currently working in approximately 140 countries.

Nearly 6,000 international graduate and undergraduate students study at Johns Hopkins, hailing from 111 countries.

There are 12,107 university alumni currently living in countries outside the U.S. There are international alumni clubs in 63 countries.

Each year, more than 500 undergraduate students study abroad in more than 40 countries.

Johns Hopkins ranks No. 12 on U.S. News & World Report’s annual list of the Best Global Universities. JHU is also among the top 20 in 10 different subject areas.

Johns Hopkins Health System treats 3,922 patients from 145 countries in its facilities based in the United States.

Donors to the university live in 129 countries.

In addition to its U.S. campuses, the university has campuses in Bologna, Italy, and Nanjing, China.

Johns Hopkins international research and training sites, programs, and offices are in 101 countries.

Johns Hopkins students can participate in study abroad programs in 55 countries. Medical and nursing students participate in international medical electives in 19 countries.

Jhpiego is an international, nonprofit health organization. Since 1974, Jhpiego has been working to prevent the needless deaths of women and their families in developing countries by partnering with health experts, governments, and community leaders to provide high-quality health care. Jhpiego’s training and low-cost, practical health care solutions remove barriers to health care for the world’s most vulnerable populations.

The Carey Business School offers a full-time Global MBA program to help prepare experienced world-class business leaders. Its Innovation for Humanity course is a six-month project that includes a three-week in-country experience working in a developing market.

The Johns Hopkins Malaria Research Institute has gathered a critical mass of malaria experts from around the world to take a multidisciplinary approach to understanding the Plasmodium parasite, the mosquito, and the genes and proteins involved in the transmission of malaria.

The Peabody Conservatory collaborated with the National University of Singapore to create the Yong Siew Toh Conservatory, Singapore’s first and only conservatory of music. It brings an international dimension to the Peabody community with student and faculty exchange programs.

Because of the importance of the globalization of technology, all students pursuing a bachelor of arts in general engineering from the Whiting School are encouraged to study abroad for at least one semester.

The Department of German and Romance Languages and Literatures in the Krieger School offers undergraduate programs in Paris at Sciences Po, in Germany at the Berlin Consortium, and in Madrid at Universidad Carlos III.
Our best ideas are yet to come.
Let’s start with 10.

Ronald J. Daniels took office in March 2009 as the 14th president of Johns Hopkins University. Before his appointment at Johns Hopkins, Daniels was provost at the University of Pennsylvania, and before that, dean and James M. Tory Professor of Law at the University of Toronto Faculty of Law.

Daniels is the author or co-author of dozens of scholarly articles and the author or editor of seven books. In 2009, he was elected a member of the American Academy of Arts and Sciences. He sits on the boards of the East Baltimore Development Inc., the Baltimore Community Foundation, the Goldseker Foundation, the Maryland Chamber of Commerce, the Governor’s International Advisory Council, and the Asia Pacific Rim Universities World Institute.

In May 2013, after several years of discussions with faculty and students, staff and alumni, deans and trustees, Daniels unveiled “Ten by Twenty.” This set of four major priorities, grouped by themes, are guiding the university through the remainder of the decade. To take a look at how the university is doing as it approaches this milepost, visit http://10x2020progress.jhu.edu/ for progress reports, success stories, and where Johns Hopkins is striving to do more to move the needle.

One University
1. Selectively invest in those programs and activities that will advance significantly our core academic mission.

2. Strengthen our capacity for faculty-led interdisciplinary collaboration and launch a set of innovative cross-cutting initiatives that will contribute substantially to the world of ideas and action.

3. Enhance the impact of Johns Hopkins Medicine, the Bloomberg School of Public Health, and the School of Nursing, as the world’s pre-eminent academic health sciences enterprise by deepening collaboration among these entities and with disciplines in other parts of the university and across the globe.

Individual Excellence
4. Build Johns Hopkins’ undergraduate experience so it stands among the top 10 in the nation.

5. Build on our legacy as America’s first research university by ensuring that at least two-thirds of our PhD programs stand among the top 20 in their fields.

6. Attract the very best faculty and staff in the world through a welcoming and inclusive environment that values performance and celebrates professional achievement.

Commitment to Our Communities
7. Enhance and enrich our ties to Baltimore, the nation, and the world, so that Johns Hopkins becomes the exemplar of a globally engaged urban university.

Institution Building
8. Strengthen the institutional, budgetary, technological, and policy frameworks necessary to set priorities, allocate resources, and realize the highest standards of academic excellence.

9. Reinforce our position as the leading university recipient of competitively funded federal research support, while increasing the amount of annual research investment from other sources with appropriate cost recovery.

10. Develop the resource base necessary to support investments in key academic priorities.
Leadership

President’s Cabinet

Kerry A. Ates – Vice President, Chief of Staff
Heidi E. Conway – Vice President for Human Resources
Daniel G. Ennis – Senior Vice President for Finance and Administration
Helene T. Grady – Vice President for Planning and Budget
Sunil Kumar – Provost and Senior Vice President for Academic Affairs
Thomas S. Lewis – Vice President for Government and Community Affairs
Maureen S. Marsh – Secretary, Board of Trustees
Robert A. McLean – Vice President for Facilities and Real Estate
Jason T. Perlioni – Vice President, Investments and Chief Investment Officer
Paul Pineau – Vice President and General Counsel
Stephanie L. Reel – Vice Provost for Information Technology and Chief Information Officer
Stephen M. Ruckman – Senior Adviser to the President for Policy
Lainie Rutkow – Senior Adviser to the President for National Capital Academic Strategy
Fritz W. Schroeder – Vice President for Development and Alumni Relations
Connor Scott – Acting Vice President for Security
Alicia Wilson – Vice President for Economic Development
Christy Wyskiel – Senior Adviser to the President for Enterprise Development

Deans and Directors

Fred Bronstein – Dean of the Peabody Institute
Eliot A. Cohen – Dean of the Paul H. Nitze School of Advanced International Studies
Patricia M. Davidson – Dean of the School of Nursing
Ellen J. MacKenzie – Dean of the Bloomberg School of Public Health
Christopher C. Morpew – Dean of the School of Education
Paul B. Rothman – Vice President for Medicine; Frances Watt Baker, M.D., and Lenox D. Baker Jr., M.D., Dean of the School of Medicine; Chief Executive Officer, Johns Hopkins Medicine

T. E. “Ed” Schlesinger – Benjamin T. Rome Dean of the G.W.C. Whiting School of Engineering
Ralph D. Semmel – Director of the Applied Physics Laboratory
Amy Shelton – Interim Director, Center for Talented Youth
Winston Tabb – Sheridan Dean of University Libraries and Museums
Alexander Triantis – Dean of the Carey Business School
Beverly Wendland – James B. Knapp Dean of the Zanvyl Krieger School of Arts and Sciences
# Leadership

**University Board of Trustees, 2019-20**

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<tr>
<th>Position</th>
<th>Name</th>
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<tr>
<td>Chair</td>
<td>Louis J. Forster</td>
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**Emeritus Trustees**

- Robert J. Abernethy
- Leonard Abramson
- Peter G. Angelos
- C. Michael Armstrong
- Norman R. Augustine
- Janie E. Bailey
- Lenox D. Baker Jr.
- H. Furlong Baldwin
- Jeremiah A. Barondess
- Ernest A. Bates
- David H. Bernstein
- Paula E. Boggs
- Aurelia G. Bolton
- George L. Bunting Jr.
- Constance R. Caplan
- Ina R. Drew
- Manuel Dupkin II
- Pamela P. Flaherty
- James A. Flick Jr.
- Richard S. Frary
- Sanford D. Greenberg
- Benjamin Howell Griswold IV
- Lee Meyerhoff Hendler
- David C. Hodgson
- R. Christopher Hoehn-Saric
- Anika M. Penn, ex officio
- Gary Roughead
- Charles W. Scharf
- Charles P. Scheeler
- Mayo A. Shattuck III
- Andrew J. Shechtel
- William J. Stromberg
- Stuart S. Janney III
- Jeong H. Kim
- David H. Koch
- Donald A. Kurz
- Joanne Leedorn-Ackerman
- Alexander H. Levi
- F. Pierce Linaweaver
- Roger C. Lipitz
- Raymond A. Mason
- Christina L. Mattin
- Gail J. McGovern
- Harvey M. Meyerhoff
- Naneen Hunter Neubohn
- Ronald M. Nordmann
- Morris W. Offit
- Walter D. Pinkard Jr.
- George G. Radcliffe
- Joseph R. Reynolds Jr.
- Brian C. Rogers
- David M. Rubenstein
- Mark E. Rubenstein
- John F. Ruffle
- Marshall L. Salant
- Frank Savage
- Rajendra Singh
- Wendell A. Smith
- Shale D. Stiller
- Morris Tanenbaum
- Adena Wright Testa
- William F. Ward Jr.
- James L. Winter
- Calman J. Zamoiski Jr.
INNOVATION

Looking for the next big thing?
In fiscal year 2018, Johns Hopkins executed 138 new license and option agreements to commercialize technologies and was issued 150 new patents.

Johns Hopkins is an active partner in several major science- and technology-based economic development initiatives in Maryland:

- **The Baltimore Development Corporation’s Emerging Technologies Center at Johns Hopkins Eastern** provides flexible space and support services to startup companies associated with Johns Hopkins and other universities in the city.

- **The East Baltimore Science + Technology Park**, adjacent to the main campus of Johns Hopkins Medicine, is one of the central elements of a broader, long-term effort to revitalize East Baltimore. The first of a number of research buildings planned for the Park, the 300,000-square-foot Rangos Building, was completed in 2009.

- **The Great Seneca Science Corridor** is an ambitious project aimed at doubling the size of Montgomery County’s life sciences cluster—already one of the largest concentrations of life sciences research and commercial biotechnology firms in the country—over the next several decades. The plan includes the development of about 4.5 million square feet of research and office space at the Belward Research Campus, a 108-acre site owned by Johns Hopkins near the university’s Montgomery County Campus.

    - Johns Hopkins is helping prepare Maryland’s next generation of innovators and entrepreneurs through entrepreneurship education programs both in Baltimore and at its Montgomery County Campus in Rockville.

- **In fall 2017, Johns Hopkins’ first innovation hub moved from the Stieff Silver building to Remington, a burgeoning hub for entrepreneurship within blocks of the Homewood campus. Under the new name FastForward R. House, this 9,000-square-foot renovated space, located a short walk from Johns Hopkins’ Homewood campus, features 9,000 square feet of office, co-working, meeting and wet/dry lab space.**

In fall 2018, Johns Hopkins’ first student innovation hub, **Fastforward U**, moved from the Wyman Park Building to Remington, a burgeoning hub for entrepreneurship within blocks of the Homewood campus. Under the new name FastForward U Homewood, this 10,000-square-foot innovation space was designed with students in mind with various spaces large and small for events and collaboration including a 2,000 square foot maker space run by the Whiting School of Engineering with high-tech tools for crafting and prototyping.

**FastForward1812** opened in January 2017. The 23,000-square-foot space is located in Eager Park, within walking distance of the East Baltimore campus. It offers offices, labs, and communal workspaces and amenities to help fledgling ventures develop and build their products.

Located across from FastForward 1812, **FastForward East (Rangos)** began transitioning to a student-dedicated innovation hub in FY2017. For the 2017-2018 academic year, FastForward East will also house the five startups selected for the M-1 Ventures accelerator for connected health and fitness startups.
Our students are pursuing more than 260 courses of study.
That’s everything from archaeology and applied economics, to computer engineering and genetic epidemiology, to women’s studies and woodwind instruments.

Johns Hopkins University enrolls more than 26,000 full-time and part-time students throughout nine academic divisions. No matter what their field of study, our students are active and engaged learners, fully immersed in the process of discovery.

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<tr>
<th>JOHNS HOPKINS DIVISIONS</th>
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<tr>
<td><strong>Zanvyl Krieger School of Arts and Sciences</strong></td>
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<td>The mission of the Zanvyl Krieger School of Arts and Sciences is discovery—the creation of knowledge through scholarship and research, and the education of our students, undergraduate, and graduate alike. The school’s unique character derives from its commitment to choose carefully what is worth pursuing and to do so without compromise. The school’s academic programs in the humanities, natural sciences, and social sciences are renowned for their excellence and intensity, and notable for the wide range of interdisciplinary opportunities they provide.</td>
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<tr>
<td><strong>Number of students:</strong> 8,181 (3,511 undergraduates, 911 full-time graduate students, 82 postbacs, 3,677 Advanced Academic Programs graduate students)</td>
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<tr>
<td><strong>Number of faculty:</strong> 328 full-time tenured and tenure-track</td>
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<tr>
<td><strong>Degrees awarded in 2018:</strong> 924 undergraduate, 280 graduate, 1,230 AAP master’s degrees and certificates</td>
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<tr>
<td><strong>Year established:</strong> 1876</td>
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<tr>
<td><strong>Dean:</strong> Beverly Wendland</td>
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| **Whiting School of Engineering** |
| The Whiting School of Engineering prides itself on being a leader in innovation and research. U.S. News & World Report consistently ranks the university’s program in biomedical engineering among the top in the country. Among the school’s graduates are former New York Mayor Michael Bloomberg and chairman of Liberty Media John C. Malone. |
| **Number of students:** 6,569 (1,821 undergraduates, 1,595 graduate students, 3,153 part-time Engineering for Professionals students) |
| **Number of faculty:** 221 full-time faculty, 33 teaching faculty, 29 research faculty, 556 Engineering for Professionals faculty |
| **Degrees awarded in 2018:** Full-time programs: 503 bachelor’s, 486 master’s, 97 PhDs, 9 certificates of advanced study. Part-time programs: 679 master’s degrees, 13 certificates |
| **Year established:** 1912 |
| **Dean:** T. E. “Ed” Schlesinger |

| **Carey Business School** |
| **Number of students:** 2,209 graduate students |
| **Number of faculty:** 103 full-time, 59 part-time faculty |
| **Degrees awarded in 2018:** 1,103 master’s, 26 graduate certificates |
| **Year established:** 2007 |
| **Interim Dean:** Valerie Suslow |

Enrollment data as of October 2018
School of Education

For over a century, the School of Education has been preparing educators to make a difference in the lives of children and adults. Founded in 1909 as the College Courses for Teachers, the school addresses some of the most challenging problems facing education today through graduate and doctoral programs; research and development activities; external partnerships with school systems, educational entrepreneurs, and health care–related organizations; and collaborative connections to the broader Johns Hopkins research community. Tied at No. 7 for graduate schools of education by U.S. News & World Report, the school is home to the Institute for Education Policy and three research centers: the Center for Research and Reform in Education, the Center for Social Organization of Schools, and the Center for Technology in Education.

Number of students: 2,608 (14 undergraduates, 2,594 graduate students)

Number of faculty: 116 full-time; 17 joint, emeriti, or courtesy appointments

Degrees awarded in 2018: 18 bachelor’s, 719 master’s, 5 PhD, 41 EdD

Year established: 1909; became the School of Education in 2007

Dean: Christopher C. Morphew

School of Medicine

From its beginnings, the School of Medicine revolutionized the education of physicians, the practice of medicine, and medical research nationally and internationally by applying unprecedented standards to medical training. Rigid entrance requirements were established; the curriculum emphasized scientific methods as well as bedside teaching, laboratory research, and advanced training in specialized fields. For the first time ever in the United States, women were admitted as medical students on an equal basis with men. Today, the school annually receives more research grants from the National Institutes of Health than any other medical school and consistently is ranked among the top medical schools in the nation by U.S. News & World Report. The school’s programs in several nursing specialties made the U.S. News top five.

Number of students: 1,244 (775 graduate students, 43 graduate certificates, 426 non-degree special students)

Number of faculty: 78 full-time, 157 part-time

Degrees awarded in 2018: 130 professional practice degrees, 19 master’s, 125 PhDs

Year established: 1889 as Johns Hopkins Training School for Nurses; 1983 as Johns Hopkins University School of Nursing

Dean: Patricia M. Davidson
Peabody Institute
The Peabody Institute provides the highest level of training to musicians and dancers of every age through its degree-granting Conservatory and its community-based Preparatory school. Founded in 1857 and a division of the Johns Hopkins University since 1977, Peabody is building on its rich history as the first major intellectual and arts center in an American city to prepare 21st-century artists for success, with a focus on excellence, interdisciplinary experiences, innovation, and community connectivity.

Number of students: 643 (297 undergraduates, 266 graduate students, 80 certificate or non-degree students)
Number of faculty: 79 full-time, 6 part-time, and 92 adjunct Conservatory faculty members
Degrees awarded in 2018: 67 bachelor's, 128 master's, 7 DMAs, 40 certificates and diplomas
Year established: 1857; affiliated with JHU in 1977
Dean: Fred Bronstein

Bloomberg School of Public Health
As a leading international authority on public health, the Johns Hopkins Bloomberg School of Public Health is dedicated to protecting health and saving lives—millions at a time. Founded in 1916, it is the world’s oldest and largest independent school of public health. It has been ranked No. 1 by U.S. News & World Report since 1994. The Bloomberg School’s faculty and alumni are recognized local and global leaders in public health research, education and practice.

Number of students: 2,505 (2,335 graduate students, 170 certificate or non-degree students)
Number of faculty: 765 full-time, 797 part-time
Degrees awarded in 2018: 763 master's, 335 certificates, 153 doctorates
Year established: 1916
Dean: Ellen J. MacKenzie

The Paul H. Nitze School of Advanced International Studies
A division of Johns Hopkins University since 1950, the Paul H. Nitze School of Advanced International Studies is a global institution that offers students a truly international perspective on today’s critical issues. The school was established in Washington, D.C., in 1943; opened its European campus in Bologna, Italy, in 1955; and in 1986 initiated one of the first Western university programs in the People’s Republic of China, in Nanjing. SAIS graduates are known as innovative thinkers and problem-solvers with the economic and cultural expertise to confront complex global challenges.

Number of students: 1,138 (904 in Washington, D.C.; 178 in Bologna, Italy; 56 in Nanjing, China)
Number of faculty: 110 full-time, 176 part-time
Degrees awarded in 2018: 595 master’s, 7 PhDs, 52 certificates
Year established: 1943
Dean: Eliot A. Cohen

Applied Physics Laboratory
The Applied Physics Laboratory is a not-for-profit center for engineering, research, and development; it is a nonacademic division that does not grant degrees, though APL staff members lead many of the Whiting School of Engineering’s part-time Engineering for Professionals programs. Strategically located between Baltimore and Washington, D.C., APL has been a major asset to the nation since it was organized to develop a critical World War II technology in 1942. APL staff and collaborators work on more than 600 programs that protect the homeland and advance the nation’s vision in research and space science, at an annual funding level of about $1.5 billion.

Number of employees: Approximately 7,200; more than 65 percent are scientists and engineers; more than 55 percent hold a master’s or doctorate degree
Year established: 1942
Director: Ralph Semmel

Enrollment data as of October 2018
You can visit all our campuses in just 9,921 miles.
While you’re at it, take in the Lincoln Memorial, the Piazza Maggiore, and Sun Yat-sen’s mausoleum.

Baltimore is the university’s hometown, but we’re at home throughout the world—with campuses in Bologna, Italy, and Nanjing, China, in addition to those in the Baltimore-Washington, D.C., area.
Applied Physics Laboratory
The Johns Hopkins University Applied Physics Laboratory, founded in 1942, moved from downtown Silver Spring, Maryland, to its Howard County campus in 1954. Today, APL staff can be found working across almost 400 acres of rolling countryside that is approximately 50 percent forested. The Laboratory, located in an area of rural farmland and newer housing communities, currently has more than 20 buildings, as well as facilities at two nearby satellite campuses. In the past decade, APL completed construction of several new buildings which meet LEED certification. APL has also won a Bicycle Friendly Business Award from the League of American Bicyclists.

Washington, D.C., Center
Situated in the heart of Washington, D.C., the Washington Center provides an excellent learning environment for Advanced Academic Programs and many Krieger School of Arts and Sciences Washington-based initiatives. The Bernstein-Offit Building, located at 1717 Massachusetts Avenue, N.W., houses the administrative office for Advanced Academic Programs as well as a Library Resource Center, faculty and student lounges, a large administrative/program management suite for faculty and staff, 16 classrooms or seminar rooms, two computer labs, and a large presentation room—all just two blocks south of Washington’s Dupont Circle and accessible by Metro.

Montgomery County Campus
The Montgomery County Campus in Rockville, Maryland, offers classes and programs from the School of Education and the Krieger School of Arts and Sciences. MCC aims to create a community of education, business, and government organizations, where collaborative thinking and scientific discovery advance academic and economic development. The campus is experiencing significant growth, with plans to expand from its current 215,000 square feet to more than 2.6 million square feet of academic, research, and corporate space during the next few decades.

Columbia Center
Located in Columbia, Maryland, and housing classes and programs of the School of Education and the Carey Business School, the Columbia Center has served adult students in the region since 1974. Some administrative and advising offices are located there, as well as Professional Career Services, the office of Enrollment Management Services, the Student and Alumni Relations office, the office of International Services, the Center for Teaching and Learning, and the Center for Technology in Education. Columbia Center facilities include 19 classrooms, academic and career advising offices, three computer labs, an electronic library, two conference rooms, a bookstore, and faculty and student lounges.
We have 3,250,086 volumes on our shelves.
And more than 1.2 million e-books are accessible from the comfort of home.

Everything from e-books and research journals to DVDs and sheet music can be found in the system of libraries supporting Johns Hopkins. In many cases, the libraries are open to the public.

In Baltimore and the surrounding region, Johns Hopkins maintains the Milton S. Eisenhower Library, the Brody Learning Commons, and the Albert D. Hutzler Reading Room, all on the Homewood campus; the Welch Medical Library, the John Work Garrett Library, the George Peabody Library, and the Friedheim Library in the city of Baltimore; and libraries for regional campuses and centers in Maryland and Washington, D.C., which is also home to SAIS’ Mason Library. SAIS also has libraries at its campuses in Bologna, Italy, and Nanjing, China.

Along with millions of books, the libraries provide 24/7 access to electronic journals, e-books, and special collections including rare books, manuscripts, and archives.

The university is also home to three museums—the Johns Hopkins Archaeological Museum, Homewood Museum, and Evergreen Museum & Library. All three are open to the public for tours, exhibitions, lectures, and other events, and are increasingly involved in the academic life of the university.
third floor of the Welch Building is a comprehensive collection, print and electronic, of history of medicine materials.

The Arthur Friedheim Music Library is one of the largest and oldest music collections in the country. Located in Peabody’s LeaKin Hall, it serves the faculty, staff, and students at the Peabody Institute and Johns Hopkins University, as well as the general public. Holdings include more than 200,000 books, scores, and periodicals; 40,000 sound recordings in all formats; 3,000 DVDs and videos; microform; and more than 5,400 linear feet of archival and special collections. The Friedheim Library offers 24-hour electronic access, both on and off campus, to many full-text journals, databases, and streaming media.

The Hopkins-Nanjing Center Library
The research library at the Hopkins-Nanjing Center for Chinese and American Studies in China features more than 120,000 volumes in English and Chinese, 400 periodicals, and access to thousands of electronic resources held by both Johns Hopkins and Nanjing University. It is the only uncensored, open-stack library on the mainland of the People’s Republic of China. Floor-to-ceiling windows, reading carrels, couches, and meeting rooms provide students with a pleasing study environment.

The Sydney R. and Elsa W. Mason Library
offers comprehensive library services to SAIS students, faculty, and staff. It is located on the sixth, seventh, and eighth floors of the Nitze Building, at 1740 Massachusetts Ave., N.W., Washington, D.C. Its goals include developing and preserving collections that support the curriculum and research interests of the SAIS community and providing convenient and seamless access to print, electronic, and other resources to facilitate research and expand scholarship.

Robert H. Evans Library at SAIS Europe in Bologna, Italy, is dedicated to the memory of Evans, a distinguished alumnus from the class of 1960 and director of the center from 1992 to 2003. The collection consists of more than 85,000 volumes, specializing in international economics, international relations, contemporary history, international law, political science, and European history and politics. There are strong holdings in the foreign relations of the United States, the Atlantic Alliance and European integration, and an extensive collection of English-language materials on Italian government and politics. The library’s primary mission is to support the educational goals of the SAIS community, but it is also open to local and visiting readers.

Homewood Museum
One of the finest extant examples of American Federal architecture and interior design, Homewood was built in 1802 for newlyweds Charles and Harriet Chew Carroll. The 130-acre property became the university’s suburban campus a century later with the historic house serving as architectural inspiration for campus buildings. The furnishings of Homewood Museum, a National Historic Landmark that opened to the public in 1987, reflect the elegant opulence of the Carroll family’s occupancy (1802–1832). With American and imported furniture, ceramics, silver, and other fine and decorative art objects, the museum’s period interiors reflect the ideals and culture of a new nation while offering visitors an intimate look at the early 19th-century lifestyle of a prominent Maryland family.

Museums
Evergreen Museum & Library
Evergreen Museum & Library, which opened to the public in 1990, is renowned for its diverse holdings of Asian, European, and American art. Of particular interest are Japanese lacquerware, art glass by Louis Comfort Tiffany, postimpressionist paintings, the John Work Garrett Library of rare books and manuscripts, and the only known theater designed by revolutionary stage designer Léon Bakst. The former Italianate residence of two generations of Baltimore’s philanthropic Garrett family (1878–1952), the museum offers a unique perspective on the evolution of American collecting from the post-Civil War industrial revolution to the modern jet age. Contemporary artists are regularly invited to respond to the historic property, and the museum presents exhibitions and programs that explore the Garretts’ legacy as art patrons.

Johns Hopkins Archaeological Museum
The Archaeological Museum was founded in 1882 to encourage and enliven the study of the ancient world through the close study of artifacts. The installation highlights nearly 700 archaeological objects from ancient Greece, Rome, Egypt, the Near East, and the ancient Americas, all exhibited in the custom-built museum facility set within the newly renovated Gilman Hall atrium.
We first fielded a men’s lacrosse team in 1883, seven years after the founding of the university.
Since then, the Blue Jays have won 44 national titles, including nine since men’s lacrosse became an NCAA sport.

But the Blue Jays are not just about lacrosse. The university fields 24 varsity teams that routinely qualify for NCAA championship play. Beyond the varsity squads, many students get in the game through the university’s 11 intramural sports, including 3-on-3 basketball, flag football, and wallyball. There’s also an array of club sports, ranging from badminton and Brazilian jujitsu to water polo and wrestling.
Our roots are in Baltimore.
Johns Hopkins is truly and proudly of Baltimore, and our faculty, staff, and students contribute to city life in ways both large and small.

With his bequest establishing a hospital and a university in Baltimore, Johns Hopkins ensured that helping others would be his legacy. Today, enhancing and enriching our ties to Baltimore is one of President Daniels’ key priorities for the university community.

As the city’s largest anchor institution, Johns Hopkins feels the constant pull of urban issues. We are answering the call with major investments like the ongoing revitalization of East Baltimore, where the School of Education operates Henderson-Hopkins, a K-8 school, with the city and Morgan State University. The 90,000-square-foot facility is East Baltimore’s first new public school building in more than 20 years.

President Daniels has emphasized the university’s commitment to the city throughout his tenure. In the wake of Baltimore’s unrest in 2015, he has sought to foster dialogue among government, institutions, and residents, and to enhance and expand the university’s commitment to its hometown.

Key Baltimore-Based Community Engagement

Johns Hopkins isn’t acting alone; it is committed to building community through collaborations with those vested in the improvement of Baltimore, including neighborhood leadership, business interests, nonprofits, institutions, foundations, and government.

HopkinsLocal:

Launched in fall 2015, this initiative is a firm commitment to leverage Johns Hopkins’ economic power to expand participation of local and minority-owned businesses in construction opportunities; increase its hiring of city residents, with a focus on neighborhoods in need of job opportunities; and enhance economic growth, employment, and investment in Baltimore through our purchasing activities. HopkinsLocal builds on existing community partnerships, projects with city schools, and job training programs to sustain healthier, safer, and more vibrant communities.

BLocal:

Johns Hopkins is among 25 Baltimore-area businesses and institutions that joined together in spring 2016 to commit to expanding existing programs or launch new ones to build, hire, invest, and buy locally. These commitments will infuse at least $69 million into local and minority-owned, women-owned, and disadvantaged businesses over the next three years.

Homewood Community Partners Initiative:

This unique university-community partnership includes 10 neighborhoods and one commercial district around the Homewood campus. The goal of the partnership is to boost quality of life in the surrounding neighborhoods, reduce blight, improve education, catalyze commercial and retail development, and strengthen local hiring and purchasing. In 2012, Johns Hopkins University committed $10 million to the initiative.

East Baltimore Revitalization: Johns Hopkins University, partnering with East Baltimore Development Inc., the city of Baltimore, the Annie E. Casey Foundation, and others, has invested in the large-scale revitalization of areas around Johns Hopkins’ East Baltimore campus. The effort seeks to reverse historical trends and transform the neighborhood into a thriving mixed-income community for families, businesses, and public institutions. Collectively, about $650 million has been invested in the project to date.

Johns Hopkins is proud to partner with Morgan State University to support Henderson-Hopkins, a K-8 school serving 550 students in East Baltimore. The Johns Hopkins University School of Education is the operator of the school, which is on a mission to unleash students’ joy and passion while preparing them for academic success and fulfillment in a rapidly changing world. The 90,000-square-foot facility shares the site with the Harry and Jeannette Weinberg Early Childhood Center, operated by Downtown Baltimore Child Care.

Live Near Your Work: This program provides grants to encourage Johns Hopkins employees to purchase homes near its principal locations in Baltimore. Since 2008, Johns Hopkins has provided more than $5 million in grants to 587 of the 15,000 university and health system employees who call Baltimore City home.

Center for Social Concern: CSC provides a base for more than 50 student-run programs that serve Baltimore communities. In 2009–2010, more than 1,500 students performed nearly 80,000 hours of volunteer work through these programs.

Baltimore Scholars Program: Launched in 2004 to provide full-tuition scholarships to any admitted graduates of city public schools, the Baltimore Scholars Program reflects the university’s long-standing investment in Baltimore’s students and schools. The program recognizes high-potential students from the communities around Johns Hopkins campuses and has attracted more than 180 of the city’s brightest young scholars to JHU’s Homewood campus schools and the Peabody Institute. Over the last five years, Johns Hopkins has spent $11.6 million on the Baltimore Scholars Program; in the next five, it will spend more than $20 million.

President’s Day of Service: This universitywide day of service sends approximately 1,000 students, faculty, and staff to participate in volunteer projects throughout the Baltimore area.

Economic Impact: Johns Hopkins is Baltimore’s largest employer, a major purchaser of goods and services, a sponsor of large-scale construction projects, and a magnet for students and visitors. In fiscal year 2017, we estimate that Johns Hopkins’ economic impact was more than $11 billion statewide and $5.5 billion in Baltimore City.
Three bachelor’s degrees were conferred in spring 1879.
By spring 2018, that number had increased by 56,667 percent.

The undergraduate educational experience has come a long way since George W. McCreary, A. Chase Palmer, and Edward Henry Spieker picked up their diplomas on June 12, 1879, at the close of Johns Hopkins’ third academic year.

The academic offerings have increased exponentially. The university awarded 1,523 bachelor’s degrees across all divisions on May 23, 2018, joining more than 213,920 alumni worldwide. The majority of those degrees were earned by undergraduates on the Homewood campus, home to the Krieger School of Arts and Sciences and the Whiting School of Engineering. Johns Hopkins also offers undergraduate programs through the Carey Business School, the Peabody Institute, and the School of Nursing.

Freshman Admission Selectivity (2018)
Applicants: 29,129
Admitted: 2,284
Enrolled: 1,319
Admit rate: 13 percent
Early Decision available? Yes
Early Decision applicants: 2,037
Admitted Early Decision applicants: 610

Standardized Tests
Middle 50th percentile for admitted students:
SAT Composite: 1480–1550
ACT: 33–35

Programs of Study
Majors: 52
Minors: 46

Most Popular Majors (Homewood)
Public Health Studies
International Studies
Neuroscience
Biomedical Engineering
Economics

‘U.S. News & World Report’ 2019 undergraduate rankings
National university: 10 (tie)
Undergraduate engineering: 14 (tie)
High school counselor ranking: 6 (tie)
On lists of schools that are noted for socioeconomic diversity, innovation, and that are considered the best values.

Students
Enrolled undergraduates: 5,615
Geographic origin: all 50 states, 57 nations
Male/female ratio: 52/48 percent

Costs and Financial Aid
Tuition: $53,740
Room and board (double room, “anytime” meal plan): $15,836
Average need-based grant for first-year students: $44,318
Students receiving aid: nearly 51 percent

Estimated costs for 2018-19
Projected total aid for undergraduates in 2018-19: $106 million

Student Life
More than 300 student groups and organizations
More than 60 student-run groups dedicated to volunteerism or service
Ten sororities, 13 fraternities, 21 percent of students involved in Greek life
More than 40 club sports; more than 1,000 students participate in intramurals
We eradicated boring lectures.
The seminar method of instruction was introduced in the United States by a Johns Hopkins University postdoctoral student.

American students have historian Herbert Baxter Adams to thank for today’s give-and-take classroom vibe between professors and students. A postdoctoral fellow in history, Adams imported the seminar method to the United States from Heidelberg University in Germany, where he earned his doctorate in 1876 prior to starting his career at Johns Hopkins. Adams championed the idea that graduate students would learn more by conducting their own research and then presenting it in class for critique from both the professor and fellow students, rather than the old-school style of listening to lectures and taking exams. Adams’ philosophy subsequently caught on at colleges and universities across the country.

That spirit of inquiry fostered by Adams and his colleagues is alive today at Johns Hopkins, where the university’s nine academic divisions offer full-time graduate programs that provide rigorous course work and research opportunities with world-renowned faculty. For working professionals, there are also numerous part-time and nondegree programs available.
The Johns Hopkins University Fact Book is published by the university’s Office of Communications. If you have questions or comments, please contact:

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