Georgialnstitute of Technology

INS7

2016 COMMENCEMENT



PROGRESS



GEORGIA INSTITUTE OF TECHNOLOGY



SPRING COMMENCEMENT MAY 6-7, 2016

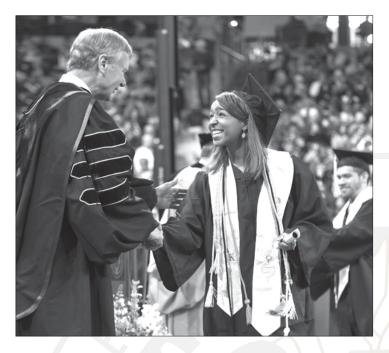
Table of Contents

- **3** President's Welcome
- 4 Doctoral Hooding Ceremony Order of Events Doctoral and Master's Ceremony Order of Events
- **5** Morning Bachelor's Ceremony Order of Events Afternoon Bachelor's Ceremony Order of Events
- 6 Doctoral and Master's Ceremony Speaker
- 7 Honorary Degree Recipient
- **8** Morning Bachelor's Ceremony Speaker Honorary Degree Recipients
- **9** Afternoon Bachelor's Ceremony Speaker
- **10** President G.P."Bud" Peterson
- **11** Provost Rafael L. Bras
- **12** Commencement Traditions Academic Degrees
- **14** Doctoral Degree Candidates
- **17** Master's Degree Candidates
- **23** Bachelor's Degree Candidates Morning Ceremony
- **28** Bachelor's Degree Candidates Afternoon Ceremony
- **34** Colleges and Primary Units of Georgia Tech
- **38** The President's Cabinet
- **39** Special Thanks
- **40** Alumni Association Welcome

INSIDE BACK COVER

Alma Mater and Ramblin' Wreck Lyrics

Welcome



Welcome to the 251st Commencement of the Georgia Institute of Technology. On behalf of the entire Georgia Tech community, I extend our greetings to friends, families, and guests gathered here for this significant event.

For approximately 3,000 undergraduate and graduate students, this weekend's ceremonies recognize their academic achievements at Georgia Tech and inaugurate a new era in their careers.

At this weekend's ceremonies, we are

awarding bachelor's, master's, and doctoral degrees through our six colleges and 29 schools. At Georgia Tech, we are proud to be ranked the nation's seventh-best public university by U.S. News & World Report. Our undergraduate engineering program is ranked among the top five, and our undergraduate business program ranks among the nation's top 30.

As a member of the Association of American Universities, Georgia Tech has outstanding programs in engineering, architecture, business, computing, liberal arts, and the sciences. With more than 25,000 students and more than 147,000 living alumni who work in business, industry, and government throughout the world, Tech has become internationally recognized for the quality of its educational and research programs.

Georgia Tech's research strategy focuses on creating transformative opportunities, strengthening collaboration, and maximizing economic and societal impact. With research expenditures of more than \$725 million, the Institute is ranked No. 4 nationally in research expenditures for universities without a medical school.

That said, we are also keenly aware that such impressive accolades would not be possible without our incredibly talented and hardworking students. Our students consistently excel in the classroom and the laboratory, in co-op work assignments and study/ work abroad programs, and in countless campus leadership and communityservice roles. I am inspired by their dedication, proud of their accomplishments, and tremendously hopeful about their futures.

I'd also like to thank all the family members and friends of our graduates who have done so much to guide, challenge, and inspire these gifted students both prior to and during their time here at Tech.

We hope that you enjoy today's festivities, and we wish you and your graduate a bright and successful future.



G.P. "Bud" Peterson President, Georgia Institute of Technology

Doctoral Hooding Ceremony

10 a.m. May 6, 2016 Order of Events

PROCESSIONAL

Commencement Overture, Georgia Tech Brass Quintet

MASTER OF CEREMONIES

Dr. Rafael L. Bras, Provost and Executive Vice President for Academic Affairs

NATIONAL ANTHEM Georgia Tech Brass Quintet

WELCOME ADDRESS

Dr. Susan E. Cozzens, Vice Provost for Graduate Education and Faculty Development

PRESENTATION AND HOODING OF DOCTORAL DEGREE CANDIDATES

Dr. Bras

ALMA MATER *Georgia Tech Brass Quintet*

FACULTY RECESSIONAL Commencement Overture, Georgia Tech Marching Band

Doctoral and Master's Ceremony

7 p.m. May 6, 2016 Order of Events

PROCESSIONAL

Commencement Overture, Coordinated by the School of Music

MASTER OF CEREMONIES

Dr. G.P. "Bud" Peterson, President

POSTING OF THE COLORS

Georgia Tech ROTC

NATIONAL ANTHEM

Nothin' But Treble

REFLECTION

David Yen, Master's Degree Candidate, Industrial Engineering

COMMENCEMENT ADDRESS

Dr. John P. Holdren, Assistant to President Obama for Science and Technology

PRESENTATION OF HONORARY DEGREE

Dr. Peterson

PRESENTATION OF DOCTORAL DEGREE CANDIDATES

Dr. Rafael L. Bras, Provost and Executive Vice President for Academic Affairs

CONFERRING OF DEGREES

Dr. Peterson

PRESENTATION OF MASTER'S DEGREE CANDIDATES

Dean Zvi Galil College of Computing

Dean Jacqueline J. Royster Ivan Allen College of Liberal Arts

Associate Dean Nancey Green Leigh College of Architecture

Dean Maryam Alavi Ernest Scheller Jr. College of Business

Dean Paul M. Goldbart College of Sciences

Dean Gary S. May College of Engineering

CONFERRING OF DEGREES

Dr. Peterson

INDUCTION INTO THE ALUMNI ASSOCIATION

Mr. Benton J. Mathis Jr., Class of 1981 Chair, Georgia Tech Alumni Association

ALMA MATER

Nothin' But Treble

FACULTY RECESSIONAL

Commencement Overture

"RAMBLIN' WRECK"

Graduates and Audience

Please turn to the inside back cover for song lyrics. Please turn to page 14 for the list of doctoral degree candidates.

Please turn to the inside back cover for song lyrics. Please turn to page 14 for the list of doctoral degree candidates. Please turn to page 17 for the list of master's degree candidates.

Morning Bachelor's Ceremony

9 a.m. May 7, 2016 Order of Events

PROCESSIONAL

Commencement Overture, Coordinated by the School of Music

MASTER OF CEREMONIES

Dr. G.P. "Bud" Peterson, President

POSTING OF THE COLORS *Georgia Tech ROTC*

NATIONAL ANTHEM

Sympathetic Vibrations

REFLECTION

Steven J. Spiegel, Bachelor's Degree Candidate, Industrial Engineering

PRESENTATION OF HONORARY DEGREES

Dr. Peterson

COMMENCEMENT ADDRESS

Mrs. Mary Rockett Brock Co-owner, WNBA Atlanta Dream Co-chair, Campaign Georgia Tech

INTRODUCTION OF ACADEMIC DEANS

Dr. Rafael L. Bras, Provost and Executive Vice President for Academic Affairs PRESENTATION OF UNDERGRADUATE DEGREE CANDIDATES

Dean Zvi Galil, College of Computing

Associate Dean John L. Tone, Ivan Allen College of Liberal Arts

Associate Dean Michelle A. Rinehart, College of Architecture

Dean Paul M. Goldbart, College of Sciences

Dean Gary S. May, College of Engineering

CONFERRING OF DEGREES

Dr. Peterson

COMMISSIONING OF ROTC

Captain Gregory Wynn Army ROTC

INDUCTION INTO THE ALUMNI ASSOCIATION

Mr. Benton J. Mathis Jr., Class of 1981 Chair, Georgia Tech Alumni Association

ALMA MATER

Sympathetic Vibrations

FACULTY RECESSIONAL Commencement Overture

"RAMBLIN' WRECK" *Graduates and Audience*

Afternoon Bachelor's Ceremony

3 p.m. May 7, 2016 Order of Events

PROCESSIONAL

Commencement Overture, Coordinated by the School of Music

MASTER OF CEREMONIES

Dr. G.P. "Bud" Peterson, President

POSTING OF THE COLORS

Georgia Tech ROTC

NATIONAL ANTHEM

Sympathetic Vibrations

REFLECTION

Ariel Thilenius Bachelor's Degree Candidate, Literature, Media, and Communication

COMMENCEMENT ADDRESS

Secretary Penny Pritzker, U.S. Department of Commerce

INTRODUCTION OF ACADEMIC DEANS

Dr. Rafael L. Bras, Provost and Executive Vice President for Academic Affairs

PRESENTATION OF UNDERGRADUATE DEGREE CANDIDATES

Dean Jacqueline J. Royster, Ivan Allen College of Liberal Arts

Dean Maryam Alavi, Ernest Scheller Jr. College of Business

Dean Paul M. Goldbart, College of Sciences

Dean Gary S. May, College of Engineering

CONFERRING OF DEGREES

Dr. Peterson

COMMISSIONING OF ROTC

Captain Gregory Wynn Army ROTC

INDUCTION INTO THE ALUMNI ASSOCIATION

Mr. Benton J. Mathis Jr., Class of 1981 Chair, Georgia Tech Alumni Association

ALMA MATER

Sympathetic Vibrations

FACULTY RECESSIONAL Commencement Overture

"RAMBLIN' WRECK" *Graduates and Audience*

Please turn to the inside back cover for song lyrics. Please turn to page 28 for the list of afternoon bachelor's degree candidates.

Doctoral and Master's Ceremony Speaker John P. Holdren, Ph.D.



John Holdren is President Barack Obama's science and technology advisor and the Senate-confirmed director of the White House Office of Science and Technology Policy. He is also the chair (on behalf of the president) of the interagency National Science and Technology Council, chair of the Arctic Executive Steering Committee, co-chair of the National Oceans Council, co-chair of the Council on Climate Preparedness and Resilience, and co-chair of the President's Council of Advisors on Science and Technology (PCAST).

Trained in aerospace engineering and theoretical plasma physics at the Massachusetts Institute of Technology and Stanford University, Holdren is a member of the U.S. National Academy of Sciences, the U.S. National Academy of Engineering, the American Philosophical Society, and the American Academy of Arts and Sciences. He is also a foreign member of both the Royal Society of London and the Indian National Academy of Engineering and a former president of the American Association for the Advancement of Science.

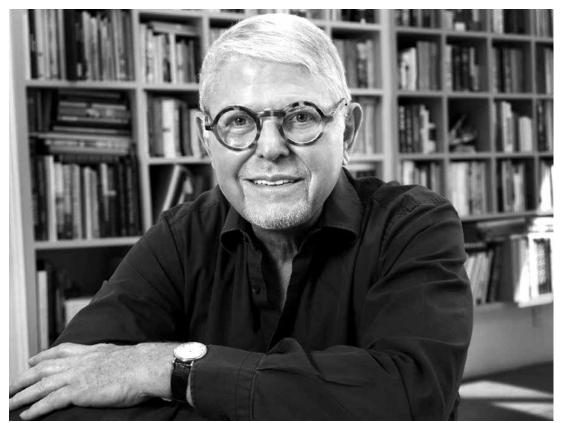
Holdren's awards include one of the first MacArthur Foundation Prize Fellowships (1981), the Volvo International Environment Prize (1993), the Tyler Prize for Environment (2000), and the Heinz Prize for Public Policy (2001). In 1995 he gave the acceptance speech for the Nobel Peace Prize on behalf of the Pugwash Conferences on Science and World Affairs, an international organization of scientists and public figures in which he served in leadership positions from 1982 to 1997.

Prior to joining the Obama administration, Holdren was a professor in both the Kennedy School of Government and the Department of Earth and Planetary Sciences at Harvard University, as well as CEO of the independent, non-profit Woods Hole Research Center. From 1973 to 1996 he was on the faculty of the University of California, Berkeley, where he co-founded and co-led the interdisciplinary graduatedegree program in energy and resources.

He served from 1991 to 2005 as a member of the Board of Trustees of the MacArthur Foundation and from 1994 to 2005 as chairman of the Committee on International Security and Arms Control at the National Academy of Sciences. During the Clinton Administration, he served for both terms on PCAST, leading studies on nuclearmaterials protection, fusionenergy research, strengthening federal investments in energy research and development, and international cooperation on energy-technology innovation.

Holdren has been married since 1966 to Cheryl E. Holdren, a biologist. They have a son, a daughter, and five grandchildren.

Honorary Degree Recipient Michael E. Tennenbaum



Michael Tennenbaum is the founder of Caribbean Capital & Consultancy Corp., a Puerto Rico-based private merchant bank that seeks to make active investments. Previously, he co-founded Tennenbaum Capital Partners, a leading speciality credit investor. Prior to TCP, he managed various departments of a major investment bank.

An industrial engineering and co-op graduate of Georgia Tech, Tennenbaum served as a member of the Georgia Tech Advisory Board and as a trustee of the Georgia Tech Foundation, where he was chairman of the Investments Committee. He was later named a trustee emeritus of the Foundation. He is a member of the College of Engineering Academy of Distinguished Alumni and founder of the Tennenbaum Institute for Enterprise Transformation at Georgia Tech. He earned a Master of Business Administration with honors from Harvard Business School, where he also served as a member of the Board of Associates and its Visiting Committee.

A member of the Smithsonian Institution National Board and its Investment Committee, he is founder of the Tennenbaum Marine Observatories. He also founded the Tennenbaum Interdisciplinary Center at the Neuropsychiatric Institute at the University of California Los Angeles, and the Michael E. Tennenbaum Family Endowed Chair in Creativity Research.

Formerly a member of the Secretary of the Navy Advisory Panel, Tennenbaum received the Department of Defense Distinguished Civilian Service Award. He was a vice chair of the Board of Governors of the Boys & Girls Clubs of America and was chairman of its Investment Committee; he is now a life member of the Board of Governors. Tennenbaum was a commissioner of the Intercity High-Speed Rail Commission for California and was chairman of the California High-Speed Rail Authority. He has also served as chairman of the Special Financial Advisory Committee to the Mayor of Los Angeles. He was previously chairman of the Joffrey Ballet and a director of the Los Angeles County Music Center.

Tennenbaum has two sons, Mark and Andrew, from a previous marriage, and two grandsons, Christopher and Frederic. His wife, Suzanne, is a noted antiques dealer.

Honorary Degree Recipient John F. Brock III

Honorary Degree Recipient and Morning Bachelor's Ceremony Speaker Mary Rockett Brock

John Brock is chairman and CEO of Coca-Cola Enterprises in Atlanta. Born in Moss Point, Mississippi, Brock earned his bachelor's and master's degrees in chemical engineering from Georgia Tech. After graduation, he joined Procter & Gamble, and in 1983 was recruited by Cadbury Schweppes to head technical and operational functions in North America. In 1988, he was promoted to the head of marketing for global beverages at Cadbury Schweppes. In 1990, Brock was named

In 1990, Brock was named president of Cadbury Schweppes' international beverage division. Two years later, he was named president of Cadbury's European Beverages business, and soon thereafter became president of North America. While in this position, Brock and his team organized the acquisition of Dr Pepper/Seven Up.

In 2000, Brock was named chief operating officer of Cadbury Schweppes and chairman of Dr Pepper/ Seven Up Bottling Group's Board of Directors. Later that year, he was named Beverage Industry's Executive of the Year.

In 2003, Brock was named CEO of Interbrew, headquartered in Brussels, Belgium. The following year, he and his team orchestrated the combination of Interbrew with AmBev of Brasil to form InBev, the largest brewer in the world by volume, and Brock was named CEO. Global brands of InBev include Stella Artois, Becks, and Brahma.

Brock joined Coca-Cola Enterprises as CEO in 2006 and was named chairman of the company in 2008. Under his leadership, Coca-Cola Enterprises sold its North American operations to The Coca-Cola Company and acquired bottling operations in Norway and Sweden in 2010, forming the world's thirdlargest independent Coca-Cola bottler. Headquartered in Atlanta, Coca-Cola Enterprises is the leading Western European marketer, distributor, and producer of bottle and can liquid nonalcoholic refreshment. The company is the sole licensed bottler for products of The Coca-Cola Company in Belgium, continental France, Great Britain, Luxembourg, Monaco, the Netherlands, Norway, and Sweden.

A board member of Royal Caribbean Cruise Lines, Brock previously served as a director of Dow Jones & Company, Campbell Soup Company, and Reed Elsevier in London. As a Distinguished Engineering Alumnus of his alma mater, he has served on the Georgia Tech Advisory Board and is currently serving on the Georgia Tech Foundation Board of Trustees. He also serves on the Board of Visitors for Owen Business School at Vanderbilt University and serves as director of the Buckhead Coalition, and previously served as co-chair of the Georgia Governor's Water Contingency Task Force and chairman of the Metro Atlanta Chamber of Commerce.

Brock and his wife, Mary, have three children – Rebecca, John, and Major Brock – and five grandchildren.

GEORGIA INSTITUTE OF TECH

This morning's Commencement speaker, **Mary Brock** is a philanthropist and active community leader in a variety of organizations and also an avid sports advocate. She is co-owner of the Women's National Basketball team, Atlanta Dream. The Atlanta Dream are 2010, 2011, and 2013 Eastern Conference Champions, having been to the WNBA Finals three out of eight seasons as an expansion team.

Brock holds a bachelor's degree in education and a master's degree in educational curriculum development from Miami University (Ohio). She is an honorary alumna of Georgia Tech.

A member of the Board of Trustees of Spelman College and Usher's New Look Foundation, Brock also serves on the boards of the Atlanta Symphony Orchestra and Metro Atlanta Chamber of Commerce, and the Board of Advisors of the Winship Cancer Institute. For many years, she has served on the National Board of Directors of Horizons National, a program for underserved youth that focuses on the summer learning achievement gap, with 45 affiliates across the country, including a focus on higher education expansion that includes affiliates at Georgia Tech, Atlanta Technical College, Georgia State University, Kennesaw State University, and Clark Atlanta University.

Brock is married to John F. Brock III, and along with her husband has funded endowed faculty chairs dedicated to cancer research at Georgia Tech and Emory University. The Brocks provided the major funding for the John and Mary Brock Football Facility at Georgia Tech, and Mary Brock endowed a scholarship for women's basketball at the Institute.

Residents of Atlanta, the Brocks have three children and five grandchildren. They served as co-chairs of the \$1.8 billion Campaign Georgia Tech, which concluded last December.

Afternoon Bachelor's Ceremony Speaker Penny S. Pritzker



Penny Pritzker has served as the 38th U.S. Secretary of Commerce since June 2013. In this role, she is focused on providing American businesses and entrepreneurs with the tools they need to grow and hire.

A key member of President Obama's economic team, Pritzker previously founded and ran five different businesses in the real estate, hospitality, senior living, and financial services industries. Since taking office, she has worked closely with the business community and helped advance the president's priorities of expanding growth and opportunity for all Americans.

Guided by conversations with more than 2,000 CEOs and business leaders, and more than one-third of the Fortune 500 CEOs, Pritzker has developed the "Open for Business Agenda," which focuses on expanding trade and investment, unleashing government data for economic benefit, spurring innovation, and protecting the environment. She was recently honored as the inaugural recipient of the "Commercial Diplomat of the Year Award" at the 2015 Foreign Policy Diplomat of the Year Dinner.

Pritzker earned her bachelor's degree in economics from Harvard University and JD and MBA degrees from Stanford University.

G.P. "Bud" Peterson, Ph.D. President

Dr. G.P. "Bud" Peterson became the 11th president of Georgia Tech on April 1, 2009. Under his leadership, Georgia Tech has developed and begun to implement a 25-year strategic plan, exceeded the \$1.5 billion goal of Campaign Georgia Tech by \$300 million, grown innovative collaborations and strategic partnerships, expanded the campus infrastructure, and increased national and global visibility. Notably in that time, applications have tripled, and enrollment has increased by 23 percent.

Peterson came to Georgia Tech from the University of Colorado at Boulder, where he served as chancellor. Before that, he served for six years as provost at Rensselaer Polytechnic Institute in New York, and for 19 years on the faculty and in leadership positions at Texas A&M University. He has worked for NASA and the National Science Foundation (NSF).

Throughout his career, Peterson has played an active role in helping establish the national education and research agendas, serving on many industry, government, and academic task forces and committees. He has served on a number of national accreditation agencies, with a focus on improving and assessing higher education outcomes. He has served on congressional task forces, research councils, and advisory boards, including the Office of Naval Research, NASA, the Department of Energy, the National Research Council, and the National Academy of Engineering.

A distinguished scientist, Peterson was appointed in 2008 by President George W. Bush, and again in 2014 by President Barack Obama, to serve as a member of the National Science Board, which oversees the NSF and advises the president and Congress on national policy related to science and engineering research and education. In 2010 he was named by U.S. Secretary of Commerce Gary Locke as a member of the National Advisory Council on Innovation and Entrepreneurship. President Obama appointed him to the

Advanced Manufacturing Partnership (AMP) steering committee in 2011, and to the AMP 2.0 steering committee in 2013. He serves on NCAA's Division I board of directors as the Atlantic Coast Conference representative.

Peterson is a fellow of the American Society of Mechanical Engineers (ASME) and the American Institute of Aeronautics and Astronautics (AIAA), and received the AIAA Distinguished Service Award in 2011. His research has focused on phase change heat transfer in both the cooling of electronic devices and spacecraft thermal control. He is widely published, authoring or co-authoring 16 books or book chapters, over 200 refereed journal articles, and more than 170 conference publications. He holds a total of 11 patents, with four others pending.

Peterson earned a bachelor's degree in mechanical engineering, a second bachelor's degree in mathematics, and a master's degree in engineering, all from Kansas State University. He earned a Ph.D. in mechanical engineering from Texas A&M. He and his wife, Valerie H. Peterson, have four adult children, two of whom are Georgia Tech alumni.

Rafael L. Bras, Sc.D. Provost and Executive Vice President for Academic Affairs

A professor in the School of Civil and Environmental Engineering and the School of Earth and Atmospheric Sciences, Rafael L. Bras is the first Georgia Tech faculty member to hold the K. Harrison Brown Family Chair. As provost and executive vice president for academic affairs, Bras oversees all of Georgia Tech's academic and related units, including the colleges, the library, international relationships, professional education, and enrollment.

His current initiatives include overseeing the Institute's Quality Enhancement Plan for Student Learning as well as the ongoing library renewal project. He is also responsible for overseeing Georgia Tech's educational innovation ecosystem, a coordinated effort of Institute units dedicated to the adoption of new and innovative educational methodologies and the Institute's efforts pertaining to lifelong learning initiatives for traditional and nontraditional learners. Through the Arts@Tech initiative, Bras seeks to integrate the creative and innovative thinking of artistic endeavors into the mindset and education of all our students.

A native of Puerto Rico, Bras completed undergraduate and graduate education at the Massachusetts Institute of Technology (MIT), culminating with a Doctor of Science degree in Water

Resources and Hydrology. Prior to becoming provost at Georgia Tech in 2010, Bras was distinguished professor and dean of the Henry Samueli School of Engineering at the University of California, Irvine. For 32 years prior to joining the University of California, he was a professor in the departments of Civil and Environmental Engineering and Earth, Atmospheric, and Planetary Sciences at MIT. He is past chair of the MIT faculty, former head of the Civil and Environmental Engineering department, and director of the Ralph M. Parsons Laboratory.

He has served as advisor to many organizations, including the National Science Foundation, National Research Council, and NASA. He is presently a member of the U.S. Secretary of Energy Advisory Board.

Bras is past president of the hydrology section of American Geophysical Union (AGU) and is a former member of its Board of Directors. He also is a member of the Board of Trustees for the University Corporation for Atmospheric Research, and is an emeritus trustee of the Foundation for Puerto Rico. He was also a member of Coursera's Educational Advisory Board.

He is an elected member of the U.S. National Academy of Engineering, the Academy of Arts and Sciences of Puerto Rico, and is a corresponding member of the Mexican National Academy of Engineering and the Mexican National Academy of Sciences. He also is an elected fellow of several professional organizations, including the American Geophysical Union, the American Society of Civil Engineers (of which he is a distinguished member), the American Meteorological Society, and the American Association for the Advancement of Science. The Museum of Science Industry named Bras the 2014 National Hispanic Scientist of the Year.

Bras maintains an active international consulting practice. Until recently, he chaired a panel of experts that supervised the design and construction of a multibillion-dollar project to protect the City of Venice from floods. He also has published two textbooks, more than 215 refereed journal publications, and several hundred other publications and presentations.

Bras and his wife, Pat, have two adult sons.

Commencement Traditions



THE MACE

In academic ceremonies, the mace is an ornamental staff carried as a symbol of authority. The office of the mace bearer, though purely ornamental, dates back to medieval England when special occasions required the use of a bodyguard. In colonial America, the mace became a symbol of office when it was used in conjunction with academic regalia.

The Georgia Tech mace carried in today's ceremony was designed by Cabell Heyward, a former research scientist in the College of

Architecture, and was first used in April 1988 at the presidential installation of John P. Crecine. The mace was fabricated by Cabell Heyward and Arthur Schoenfeld, who are both formerly with the Center for Assistive Technology and Environmental Access in the College of Architecture, in conjunction with Atlanta jeweler Robert Nagle. The mace was made possible by a gift from the Georgia Tech Student Foundation and the Class of 1934.

The primary focus of the mace is its three brass rods,

which demonstrate the principle of "tensegrity," a concept of structure combining tension and integrity developed by R. Buckminster Fuller in 1927. The integrity, or wholeness, of the mace is maintained by each of the rods being held in place by the tension of the steel wire; the rods do not touch one another at any point. The brass rods symbolize the three primary components of Georgia Tech's mission: education, research, and service.

ACADEMIC REGALIA

The academic regalia worn by today's participants is a colorful relic dating back to the Middle Ages, when education was a function of religious organizations. The monks' habit and the cowl worn over their heads were predecessors of the modern black gowns and hoods. The mortarboard was developed from the skullcaps worn during medieval days by churchmen officiating at religious services. In 1894, American universities standardized gown styles for the three different types of degrees. Doctoral candidates at Georgia Tech wear customized gold regalia with full rounded sleeves, velvet facings on the front, and velvet bars on the sleeves. Hoods are lined in Georgia Tech's colors of white and gold. The doctoral hood is distinguished by its blue trim, which is the color representing philosophy. Doctoral candidates also wear a six-pointed tam in the same blue trim.

Master's degree candidates wear the traditional black gown with full-length square sleeves that have a crescent-shaped piece hanging from each sleeve. The gowns are also adorned with the Georgia Tech seal. The master's hoods are lined in white and gold and are distinguished on the outside by the color of their degree program. Recipients of the bachelor's degree wear a similar black gown, but with no hood and no additional material at the bottom of the sleeves.

Caps used by master's and bachelor's graduates are traditional mortarboards, and tassels are white and gold.

Academic Degrees, Designations, and Programs

ACADEMIC DEGREES

The Bachelor's Degree

The bachelor's degree is the oldest academic degree used by American colleges and universities. The degree, which represents completion of a four-year course of study, was first awarded in 1642 to the graduating class of Harvard College.

The Master's Degree

The master's degree represents the completion of one or two years of study beyond the bachelor's degree. The degree dates back to the oldest universities in Europe and it usually requires a thesis and an oral examination.

The Doctoral Degree

The doctoral degree is the most advanced academic degree conferred by American institutions of learning."Doctor," which means teacher or instructor, was used as a title in the 12th century to denote men of great learning.

HONORS QUALIFICATIONS AND CORDS

Honor designations are for undergraduates at Georgia Tech who have met the minimum residency hours requirement of 60 hours, as well as the minimum GPA.

• To achieve honor, the minimum GPA is 3.15.

• To achieve high honor, the minimum GPA is 3.35.

• To achieve highest honor, the minimum GPA is 3.55.

Changes in honor status may also occur after final printing.

Georgia Tech issues honor cords to recognize students' academic achievements. White cords denote honor, gold cords denote high honor, and a braided white and gold cord denotes highest honor.

INTERNATIONAL PLAN

The International Plan is a challenging fouryear program that works in tandem with an undergraduate's academic curriculum to produce globally competent citizens. The International Plan utilizes existing study, work, and research abroad opportunities available through the Office of International Education and the Center for Career Discovery and Development.

COOPERATIVE PLAN

The Undergraduate Cooperative Education Program is an academic option designed to complement a student's formal education with paid, practical work experience directly related to the student's academic major. It is available in all engineering majors, as well as many majors in other colleges at Georgia Tech.

Ceremony and Traditions



THE RAMBLIN' WRECK

The Ramblin' Wreck is the 1930 Ford Model A Sport coupe that serves as the official mascot. The Wreck is present at all major sporting events and student body functions. Its most noticeable role is leading the football team into Bobby Dodd Stadium at Historic Grant Field, a duty that the Wreck has performed since 1961.

THE WHISTLE

Tech's iconic steam whistle blasts its signal five minutes before each hour on weekdays, when Tech wins a home football game, and for milestone events.

BUZZ

Legendary Tech icon Buzz made his first campus appearance at a student pep rally in 1980. Over the past three decades, Buzz has gone on to become one of the most beloved — and globally recognized — university mascots.

IN MEMORIAM

We recognize the passing of members of the Georgia Tech community with the floral arrangement at the front of the stage.

GUEST DECORUM

You are requested to refrain from loud expressions of excitement for individual graduates. Such expressions detract from the recognition due the next graduate in line. Your cooperation is appreciated.

Doctoral Degree Candidates

Doctor of Philosophy

ROBOTICS

Akansel Cosgun Advisor: Dr. Henrik I. Christensen

Can Erdogan Advisors: Dr. Frank Dellaert and Dr. Henrik I. Christensen

Rowland Wilde O'Flaherty Advisor: Dr. Magnus Egerstedt

Daniel Pickem Advisor: Dr. Magnus Egerstedt

COMPUTATIONAL SCIENCE AND ENGINEERING

James Paul Fairbanks Advisor: Dr. David A. Bader

BIOINFORMATICS Shiyuyun Tang Advisor: Dr. Mark Borodovsky

BIOENGINEERING

Amy Yee Lae Clark Advisor: Dr. Andres J. Garcia

Iennifer Lei Advisor: Dr. Johnna S. Temenoff

BIOMEDICAL ENGINEERING/ JOINT PROGRAM WITH EMORY UNIVERSITY AND PEKING UNIVERSITY

Zhimin Han Advisor: Dr. Tianyu Xie

BIOMEDICAL ENGINEERING/ JOINT DEGREE PROGRAM

Christa Caesar Advisor: Dr. William R. Taylor

Ryan Michael Hooper Advisor: Dr. Astrid A. Prinz

Kristin Helene Loomis Advisor: Dr. Ravi Bellamkonda

Kyle Harish Srivastava Advisor: Dr. Samuel J. Sober

Jack Kuang Tung Advisor: Dr. Robert E. Gross

Catera Lanae Wilder Advisor: Dr. Manu O. Platt

HUMAN-CENTERED COMPUTING

Edison Thomaz Jr. Advisors: Dr. Gregory D. Abowd and Dr. Irfan A. Essa

COMPUTER SCIENCE

Musheer Ahmed Advisor: Dr. Mustaque Ahamad

Vinay Kumar Bettadapura Advisor: Dr. Irfan A. Essa

Arridhana Ciptadi Advisors: Dr. James M. Rehg and Dr. Gregory D. Abowd

Naila Farooqui Advisor: Dr. Karsten Schwan

Ilias Fountalis Advisor: Dr. Konstantinos Dovrolis

Catherine Rose Grevet Advisor: Dr. Eric E. Gilbert

Ramakrishnan Kannan Advisor: Dr. Haesun Park

Yogesh Harikisan Mundada Advisor: Dr. Nicholas Feamster

Terry Lee Nelms II Advisor: Dr. Mustaque Ahamad

Junhee Park Advisor: Dr. Calton Pu

Acar Tamersoy Advisor: Dr. Duenhorng Chau

DIGITAL MEDIA Henry Blumenthal Advisor: Dr. Jay D. Bolter

PUBLIC POLICY Sanjay K. Arora Advisor: Dr. Philip P. Shapira

Xiaojing Sun Advisor: Dr. Marilyn A. Brown

Johann Christian Weber Advisor: Dr. Bryan G. Norton

PUBLIC POLICY/JOINT PROGRAM

Jim David Flowers Advisor: Dr. John C. Thomas

HISTORY AND SOCIOLOGY OF TECHNOLOGY AND SCIENCE

Liang Yao Advisor: Dr. Hanchao Lu

BUILDING CONSTRUCTION

Advisors: Dr. Pardis Pishdad-Bozorgi and Dr. Kathy O. Roper

Michael Bernard Hatcher Advisors: Dr. Kathy O. Roper and Dr. Baabak Ashuri

Mehdi Nourbakhsh

CITY AND REGIONAL PLANNING

Advisor: Dr. Daniel W. Immergluck

Michelle Melissa Ossmann Advisor: Dr. Craig M. Zimring

Wawan Solihin Advisor: Dr. Charles Eastman

Francisco Javier Valdes Castillo Advisor: Dr. Thomas R. Gentry

Julie Theresa Brand Zook Advisor: Dr. John Peponis

APPLIED PHYSIOLOGY

Chia Hsu Advisor: Dr. Thomas J. Burkholder

Ricky Mehta Advisor: Dr. Boris Prilutsky

EARTH AND ATMOSPHERIC SCIENCES

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Amelia Faith Longo Advisor: Dr. Ellery D. Ingall

Yohei Takano Advisor: Dr. Takamitsu Ito

BIOLOGY

Karl Michael Glastad Advisor: Dr. Michael D. Goodisman

Ramanan Sekar Advisor: Dr. Thomas J. Dichristina

MATHEMATICS

Wuchen Li Advisors: Dr. Luca Dieci and Dr. Hao-Min Zhou

PSYCHOLOGY

Matthew Jonathan Betts Advisor: Dr. Ruth Kanfer

Lauren Elizabeth Margulieux Advisor: Dr. Richard Catrambone

Allison Leigh Martin Advisor: Dr. Terry L. Maple

Akanksha Prakash Advisor: Dr. Wendy A. Rogers

PHYSICS

Michael Christopher Clark Advisor: Dr. Pablo Laguna

Zhe Guang Advisor: Dr. Rick P. Trebino

Yuntao Li Advisor: Dr. Phillip N. First

Xi Lu Advisor: Dr. Elisa Riedo

Michelle Ann Rhodes Advisor: Dr. Rick P. Trebino

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CHEMISTRY

Justin Andrew Bordley Advisor: Dr. Mostafa A. El-Sayed

Daisy Marie Bourassa Advisor: Dr. Christoph J. Fahrni

Blake Clark Fleischer Advisor: Dr. Bridget A. Barry

Batyr Garlyyev Advisor: Dr. Mostafa A. El-Sayed

Fadi Mustafa Jradi Advisor: Dr. Seth R. Marder

Megan Arlena Mann Advisor: Dr. Lawrence A. Bottomley

Karttikay Moudgil Advisor: Dr. Seth R. Marder

Robert Brendon Austin

Advisor: Dr. Javier Irizarry

Sang Won Lee

ARCHITECTURE

OPERATIONS RESEARCH

Zhihao Ding Advisors: Dr. Jacob R. Eisenstein and Dr. John J. Bartholdi III

MATERIALS SCIENCE AND ENGINEERING

Parthasarathi Chakraborti Advisor: Dr. Rao R. Tummala

Jun Chen Advisor: Dr. Zhong L. Wang

Nathan Timothy Evans Advisor: Dr. Kenneth A. Gall

Ashley Nelson Goulding Advisor: Dr. Richard W. Neu

Kesong Hu Advisor: Dr. Vladimir V. Tsukruk

Justin Dale Lamb Advisor: Dr. Thomas H. Sanders

Simiao Niu Advisor: Dr. Zhong L. Wang

Benjamin Harris Rainwater Advisor: Dr. Meilin Liu

Gordon Henry Waller Advisor: Dr. Meilin Liu

Seth Lawton Young Advisor: Dr. Vladimir V. Tsukruk

Ruomeng Yu Advisor: Dr. Zhong L. Wang

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Timothy Andrew Sprock Advisor: Dr. Leon F. McGinnis

Sheng Xu Advisors: Dr. Alan L. Erera and Dr. Ellis L. Johnson

Chenxi Zeng Advisors: Dr. Turgay Ayer and Dr. Chelsea C. White

AEROSPACE ENGINEERING

Matteo Carrara Advisor: Dr. Massimo Ruzzene

Francesca Margherita Favaro Advisor: Dr. Joseph H. Saleh

Jeremy Lee Hill Advisor: Dr. Robert D. Braun

Joachim Hodara Advisor: Dr. Marilyn J. Smith

Nathan Crozer Latrobe Knisely Advisor: Dr. Dimitrios N. Mavris

Tyler Reid Milner Advisor: Dr. Dimitrios N. Mavris

Charles Lee Potter Advisor: Dr. Dimitrios N. Mavris

Natalie Rose Schloeder Advisor: Dr. Mitchell L.R. Walker II

Matthew Aaron Simon Advisor: Dr. Alan W. Wilhite

Eric Michael Zellers Advisor: Dr. Dimitrios N. Mavris

Linyu Zhang Advisor: Dr. Dimitrios N. Mavris

CHEMICAL ENGINEERING Samantha Kaling Au Advisor: Dr. Andreas S. Bommarius

Rohan Vivek Awati Advisor: Dr. David S. Sholl

Ryan Michael Clairmont Advisor: Dr. Andreas S. Bommarius

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Mohmed Akil Syed Advisors: Dr. Carsten Sievers and Dr. Pradeep K. Agrawal

Zhenguan Tang Advisors: Dr. Dennis W. Hess and Dr. L. Victor Breedveld

ENVIRONMENTAL ENGINEERING Yong-Ha Kim Advisor: Dr. Sotira Yiacoumi

CIVIL ENGINEERING Aditya Bhatt Advisor: Dr. Susan E. Burns

Aaron Michael Costin Advisors: Dr. Kimberly E. Kurtis and Dr. Charles Eastman

Bradley Paul Dolphyn Advisors: Dr. Kimberly E. Kurtis and Dr. Lawrence F. Kahn

Christopher Scott Gray Advisor: Dr. Susan E. Burns

Kyungki Kim Advisor: Dr. Yong-Kwon Cho

Dong-Yeon Lee *Advisor: Dr. Valerie Thomas*

Liao-Fan Lin Advisor: Dr. Rafael L. Bras

ELECTRICAL AND COMPUTER ENGINEERING

Ahmet Ozan Bicen Advisor: Dr. Ian F. Akyildiz

Fan Cai Advisor: Dr. John Papapolymerou

Chia-Wei Chen Advisor: Dr. Ajeet Rohatgi

I-Fan Chen Advisor: Dr. Chin-Hui Lee

Zachary Kohl Costello Advisor: Dr. Magnus Egerstedt

Yancy Jose Diaz-Mercado Advisor: Dr. Magnus Egerstedt

Zhenjiang Dong Advisor: Dr. George F. Riley

Chloé Fabien Advisor: Dr. William A. Doolittle

Michael Peter Gaj Advisor: Dr. Bernard Kippelen

Brendan Patrick Gunning Advisor: Dr. William A. Doolittle

Chong Han Advisor: Dr. Ian F. Akyildiz

Andrew Dawson Harper Advisor: Dr. Xiaoli Ma

Dawei He Advisor: Dr. Thomas G. Habetler

Talha Mansur Khan Advisor: Dr. Bernard Kippelen

Alireza KhoshgoftarMonfared Advisor: Dr. Ellen W. Zegura

Min Soo Kim Advisor: Dr. Mark G. Allen

Woongrae Kim Advisor: Dr. Linda S. Milor Sriharsha Kota Pavan Advisor: Dr. Stephen E. Ralph

Tushar Kumar Advisor: Dr. Santosh Pande

Jiaming Li Advisor: Dr. George Vachtsevanos

Nan Liu Advisor: Dr. Thomas G. Habetler

Nelson Estacio Lourenco Advisor: Dr. John D. Cressler

Arashk Norouz Pour Shirazi Advisor: Dr. Farrokh Ayazi

Gbolabo Ogunmakin Advisor: Dr. Luz V. Vela-Arevalo

Jouni Aleksi Peppanen Advisor: Dr. Santiago C. Grijalva

Reza Pourabolghasem Advisor: Dr. Ali Adibi

Thiagarajan Ramachandran Advisor: Dr. Magnus Egerstedt

Sadia Shakil Advisor: Dr. Chin-Hui Lee

NUCLEAR AND RADIOLOGICAL ENGINEERING

Dwayne Patrick Blaylock Advisor: Dr. Nolan E. Hertel

Ryan Paul Hon Advisor: Dr. Farzad Rahnema

Daniel Edgardo Lago Advisor: Dr. Farzad Rahnema

Jessica Lauren Saunders Advisor: Dr. Anna S. Erickson

Christopher Lane Stewart Advisor: Dr. Anna S. Erickson

Theresa Marie Wilks *Advisor: Dr. Weston M. Stacey Jr.* MECHANICAL ENGINEERING

James Aaron Black Advisor: Dr. G. Paul Neitzel

Aaron Yehudah Dunn Advisor: Dr. Laurent Capolungo

Jie Gong Advisor: Dr. Ifeanyi C. Ume

Xianglei Liu Advisor: Dr. Zhuomin Zhang

Tongran Qin Advisors: Dr. Roman O. Grigoriev and Dr. Minami Yoda

Farzad Sadeghi-Tohidi Advisor: Dr. Olivier N. Pierron

Cameron Alexander Sobie Advisor: Dr. Laurent Capolungo

Melih Turkseven Advisor: Dr. Jun Ueda

Jesse I. Watjen Advisor: Dr. Zhuomin Zhang

Master's Degree Candidates

Master of Science

ANALYTICS

Interdisciplinary with the College of Computing, the Scheller College of Business, and the College of Engineering

Danielle Boccelli Jason Fernando

COMPUTATIONAL SCIENCE AND ENGINEERING

Interdisciplinary with the College of Computing, the College of Sciences, and the College of Engineering

Zongwan Cao Supriya Chinthavali Nandita Damaraju Liexiao Ding Xiong Ding Nan Du Christopher D. Dunlap Mehrdad Farajtabar Natalie R. Fitch Kevin Daniel Flansburg Aroua Gharbi Pushkar Godbole Zeaid Hasan Stefan Klaus Wilhelm Henneking Joshua Howard Ge Huang Tong Jin Allen Byunghyun Koh Robert Hyungoo Lee Xinye Lei Jingting Liu Qingqing Liu Xiangyu Liu Yun Liu Shu Ma Yue Peng M. Mahdi Roozbahani Piyush Kumar Sao Sumana Sen Chao Shi Joshua Arthur Sorrell Yanqing Su Katharine Christina Tallaksen Feng Tian Maria Consuelo Trujillo Yongkai Wang Minjie Wei Hong Yang Saman Yarmohammadi

QUANTITATIVE AND COMPUTATIONAL FINANCE

Interdisciplinary with the Scheller College of Business, the College of Sciences, and the College of Engineering

Zehra S. Allahbachayo Jingcheng He Zhijian Liao Xiaobo Sun

HUMAN-COMPUTER INTERACTION

Interdisciplinary with the College of Computing, the Ivan Allen College of Liberal Arts, the College of Architecture, and the College of Sciences

Nivedita Arora Arielle Nicole Cason Mengqi Chen Titilayo E. Craig Harrison Allan Daniels Omid Elliyoun Sardroud Christopher William Ernst Yuanzhe Fan Yuan Gao Denise Yael Geiskkovitch Liza George Hannah Jane Glazebrook Apurva Gupta Ridhima Gupta Megan Elizabeth Hamilton Fang He John Blood Hinkel III Kaijie Huang Auzita Shahrukh Irani Varsha Jagdale Manasvi Mahesh Lalwani Andrea Lau **Biging** Li Vincent Frank Martin Ieva Mikolaviciute Matthew Clark Moldavan Andrew Douglas Nelson Gina Nguyen Chandler Eric Price Bhargav Rajendra Ruta Rajeev Sardesai Jonathan Mac Shaw Monet Alexis Spells Shaziya Tambawala John Roger Thompson Piper Lynn Vornholt Tanisha Sunil Wagh Xiaolong Wu Meijie Xia

Ning Xu Ning Yan Zhihan Clement Zheng Yiwen Zhong

STATISTICS

Interdisciplinary with the Scheller College of Business, the College of Sciences, and the College of Engineering

Nabil Abdurehman Yanchao Feng Evren Gul Elizabeth Marie Last Hamid Mohammadi Xue Qin Po-Yen Leo Wu

College of Computing Master of Science

INFORMATION SECURITY

Abdulmajeed Abdulaziz A. Aldulijan Abdulaziz Ibrahim Almakenzi Liyang Wan

COMPUTER SCIENCE

Akanksha Jaclyn Alissa Adams Keith Thomas Adler Kapil Agarwal Emmanuel Amaro Arjun Anand Harinando Toninirina Andrianarimanana Leonardo Mark Apolonio Oktay Arslan Timothy Allen Ashley Parul Awasthy Sasha Azad John Jeffrey Bantle Terry James Baxter Abdelkareem Abdelrahman Abdelkareem Bedri Jordan Leigh Belknap Naveena Elsa Benjamin Paul Steven Beresuita Iordan Michael Blacker Brent Andrew Blihovde Guillaume Bono Arindam Ashim Bose Katherine Eugenia Cannella Drew Jarred Carrington Flavio Augusto de Castro Junior Sahbi Chaieb Sandeep Chanda Cari Eileen Cistola

Matthew Ian Cohen Kimanii G. Daniel Vinit Deodhar Shantanu Uday Deshpande Nicholas Owen Dietrich Lamiae Dridri Mengying Du John Joseph Dugan III Hai Viet Duong Brandon Ames Durepo Srinivas Eswar David Anthony Faour Corey Luke Featherly Frederick Cayabyab Fernandez Clayton Ewing Feustel Steven Andrew Foerster Robin Frank Keith Alexander Frazer Christopher Rawls Frazier Joseph S. Gallo Pritam Gautam Rahul Goel Naman Goyal Christian Thomas Graham Kyle Brent Grunwald Meghana Gupta Vibhav Gupta Alex Hagiopol Sean Francis Harrington Zachary John Harshaw Tyler Clinton Hastings Wei He Alexandra Lavinia Heredea Marc Chace Chandler Hill John Brent-Lee Holden Daniel Christopher Holmes Jonathan Andrew Hudgins Liam O'Rourke Irish Eugen T. Istoc Sneha Parthasarathy Iyengar James Earl Jackson Ajitesh Jain Jason John Adam Christian Johnson Meera Manohar Kamath Abraham Michael Khaleghi Parisa Khanipour Roshan Farid Fred Khoshnevissan Pope S. Kim Deepti Kochar Mrinal Kumar Stanton Benjamin Lee III Scott R. Leitstein Clément Jean-Serge Olivier Lesaege Wenchen Li Kelly Christopher Littlepage Yue Liu Anthony Michael Lozano

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Jean-Baptiste Weibel Ruffin James White-Magner Jonathan Brooks Whiteaker Andrew Mark Wilder Corie L. Wilson Xialin Yan Andrew Marcus Ybarra Le Zhang Yixin Zhang Yiwei Zhao Jiamin Zhu Jay Cory Zuerndorfer

Ivan Allen College of Liberal Arts Master of Science

ECONOMICS

Lauren E. Foley Mianfeng Liu Connor Paul Mason Syed Nazmul Miah Michael Stanley Williams

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HISTORY AND SOCIOLOGY OF TECHNOLOGY AND SCIENCE

Kera Jones Allen Mario Joseph Bianchini Alice Shackelford Clifton Soo A. Lee Xincheng Shen Meagan Jeanelle South

PUBLIC POLICY

Gennady Vyacheslavovich Belyakov Daniel Terrence D'Arcy Rebecca Lynn Harris Katherine Anne Mitchell David George Poyer

College of Architecture Master of Science

GEOGRAPHIC INFORMATION SCIENCE AND TECHNOLOGY

Arthi Vijayanagara Rao

URBAN DESIGN

Shijia Huang Lu Pang

MUSIC TECHNOLOGY

Si Chen Christopher Ryan Latina Siyuan Niu Rithesh Kumar Ravikumar Liang Tang Regis Olivier Verdin Zhongran Wang Ying Zhan

INDUSTRIAL DESIGN

Joakim Berglund Sidney Stiles Brinson Grace Hyun Jung Cha Christopher David Chapman Xiao Han Tanaya Joshi Menghui Li Guanhong Lu Shivakant Pandey Deepak Selvaraj Teng Shao Xiaotian Zhang Xuan Zhao

BUILDING CONSTRUCTION AND FACILITY MANAGEMENT

Muhanad Abbas Jassim Al Maleke Malek Boulos Bitar Sai Chen Adolfo Guido Fox Pardo Jeffrey Scott Kim Terence Orlando Lang Jr. Shuyi Li Xia Ma Yazan Najeeb Subhi Moghrabi Achala Parameshwari Mosale Krishne Gowda Brian Marcus Nahodyl Duver Leonardo Osso Rodriguez Meet Shashikant Patel Parth Bharat Patel Mark Allen Sisson Tiara Symone Thomas

MASTER OF SCIENCE IN ARCHITECTURE

Marcelo Bernal Yousef Bushehri Andres Cavieres Paula Gomez Zamora Christopher Michael Herndon Yiyuan Jia Pranav Kishore Seyed Danial Moeinzadeh Wyatt E. Roscoe

MASTER OF ARCHITECTURE

Ran An Alvin Lecorn Ashby Jr. Seda Atesal Joanna Bledsoe Bidani Meredith Grantham Blakelev Allison Michelle Buker Tracie Jordan Cabler Ira Lee Campbell Sr. Alexandra Nicole Crownover Lawrence Victor Dossche Jose Garza De La Cruz Jeremy Scott Gentry Eric David Goldstein David Jerome Graham Jr. Lauren Sherrill Gryder Jerrard Lester Hall Zhixian He Erika Lauren Hogan Kyle Roderic Johnson Edwin Neel Krenson Nicholas Frank Lally Jialu Li Xiang Li Vanessa Rodrigues Lira Chantale Anne Martin Gabriella Alessandra Melendez **Dillon Mertens** David Winston Moore Lucious Workman Morris Morgan Elaine Nelson Mikhail Maclaine Payson Jessica Marie Peckham Heather Danielle Potts Alicia Ann Rabadan Yujia Ren Ashley Nicole Rodriguez Stacy Hope Scott Kaitlyn Daniele Slowikowski Carly Colleen Smith Brian Curtis Sudduth

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Ernest Scheller Jr. College of Business Master of Science

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Cory James O'Brien

Steven Louis Parente Thomas Reid Paris Neal Franklin Parker Deepum Chandrakant Patel Huong Van Pham Tabitha Lynn Press Paola Restrepo Oshay Jonquet Rich Tim Rivera-Myers Joel M. Roach Mark Everett Roberts Brendan Kyle Robinson Swayam Prakash Sarangi Emily Elles Schreck Stephen Francis Selgrade Aditya Prakash Shah Nitin Sharma Drew K. Shealy Maxwell Harlan Shellabarger Tapa Dipti Sitaula Eli Alan Smith Kathryn Ronshel Smith Shreyas Srinivas Christopher James Stanko Daniel Josh Stokes Mark Brandon Taylor Minghui Tian Christopher Stone Tillotson David Andrew Tockman Tanmaya Vashishtha Divya Vepakomma Lauren Michelle Wagner Andrew Philip Wener Allison Marie Williams Katherine Bailey Wooten Ying Xiao ∞ Zhengsheng Xiong ∞ Adam Charles Zuckerman

College of Sciences Master of Science

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Taryn Elizabeth Black Kelly Brea Flanagan Shih-Yu Huang Stoyan I. Ivanov Lauren Candace Merritt

PSYCHOLOGY

Taylor Ann Baldwin Sean Andrew McGlynn Kimberly Carol Preusse Ursula Saelzler Derek Martin Smith Brandon Alexander Thomas

BIOLOGY

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BIOINFORMATICS

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College of Engineering Master of Science

SUPPLY CHAIN ENGINEERING

Oyinkansola Christine Aghwana Xin Song Xiaoxiao Tan Matthew Joseph Thornton Leyin Wang Mengzhe Wang

MEDICAL PHYSICS

Jenna Leigh Fair Jessica Lauren Saunders Gregory Arthur Szalkowski David Randall Zabriskie

HEALTH SYSTEMS

Jarrett Vincent MacKey Fangyun Shi

NUCLEAR ENGINEERING

Varija Agarwal Baron Jacob Guy Carleton Brian Charles Dabruzzi Brandon Michael Fehr Wesley Collins Gillis Maxwell Donald Hill William Michael Meier Gregory Roland Peacock Kyle Michael Ramey John Clark Stooksbury Dylon Michael Wegner Thomas Christopher Winter Martin Zavala

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Leo Benatar Caroline Roeger David Yen

AEROSPACE ENGINEERING

Aaron Prakash Naidu Mansi Satish Agrawal Karina Akopyan Andrew Ross Aldrich Dalton Michael Baier Raunak Pushpak Bhattacharyya David Joseph Blette Robert McArthur Booher Matthew Lee Brown Dhawal Buaria George Catalin Bucsan Lucia Casucci Chetan Chandra Arthur S. Cheng Aubrey Clausse Jeremie Craisse Angela Marie Den Boer Justin Lee Druckemiller Samuel Hikaru Dubin Aditya Easwar Benjamin Andrew England Zachary Joseph Ernst Aditya Eswar Zachary Charles Fisher Raphael Henri Marie Gautier Charlotte Salome Gill Anthony Robert Gray Yian Guan Luca Guidoni Garima Gupta Mohit Gupta Andrea Alejandra Gutierrez Cervantes Caroline Camille Ingram Alexander Conrad Lambert ∞ Daniel Alexander Lee Yixing Li Zhihan Li David B. Locascio Shane Vincent Lympany Stephanie Frances MacLeod Joseph Elliott Mattingly Freeman Kieffer Milligan Pranay Mishra Nicholas Reza Motahari Luqman Olamigoke Olawin Tejas Girish Puranik Nivedha Rajasekaran Coline Lucie Marie Ramee James Robert Reynolds Christopher Gordon Richardson Bolys Sabitbek Emma Salgado Marc Salvadori Eric John Schaus Matthew Lawrence Schmit Tyler Mark Scogin Kevin Lee Seywald Scott Kenneth Sheppard Mingxuan Shi Farshad Shirani Scott Bradley Siler Jackelynne P. Silva Andrew Cullen Smith Mark Daniel Snyder Alexander Steinbrenner

Damien Jacques Philippe

Thioulouse

Amy Frances Thornhill Erik Michael Viken Alexander L. Von Moll Marc Christopher Welsch Lee Whitcher James Stephen Wittig Yuan Yao Ali Yilmaz Melissa Sue Young Xiaomo Zhang

MATERIALS SCIENCE AND ENGINEERING

Noah Ari Ellis Matthew Phillip Green Christopher Ryan Hauser Virginia Liao David Brian Mutnick Kirsten Helen Parratt Haseeb Shaikh Bhupender Singh Sean Michael Tighe William Arthur Vis Chuchu Zhang

CHEMICAL ENGINEERING

Nanqi Bao Kathleen E. Bates Jayraj Nayan Joshi Tapesh Joshi Arnaldo A. Negron Marty Brandon Philip Plaisance Tel Mitchel Rouse Zachary Jonah Schneiderman Tung Dinh Vu

ENVIRONMENTAL ENGINEERING

Duoduo Lin Jiaojun Liu Maoqiao Mao Asmita Arun Narode Emily Mae Nowell Marcia Coleen O'Neal Harshad Oswal Aditya Anil Pophale Tanaporn Ann Ruengvivatpant Poornima Sampath Yuanqi Wang Alexander I. Wiechert Chunyan Xu

CIVIL ENGINEERING

Christopher Emmanuel Aguilar Jonathan Anthony Dcruz Sean Michael Dotson Husayn Ahmad El Sharif Chirag Garg Hanyu Huang Shih-Yu Huang Shumeng Jiang Woojin Kim Fangzhou Liu Tyler Allen Martin Kongpope Naranong Andres Felipe Peralta Yichao Qian Carly Susan Queen Gavin Michael Rinaldo Leonardo Jose Rogliero M. Mahdi Roozbahani Eman Said Abhilasha Jairam Saroj Sabina Shahnaz Faaiqa Atiyya Shaw Jeffrey Dedert Ultee Michael Tyler Whaley John Tyler Young

ELECTRICAL AND COMPUTER ENGINEERING

Navef Elian Ahmar Aniss Aiche Donnya Shawdee Ajdari Yahya Mohammedyahya Alfadhli Steven David Andre Rohan Ankalikar Manoj Kumar Aripirala Niharika Arora Hazar Maan Ashouri Ashwin Kumar Asoka Kumar Shenoi Abner Ayala Acevedo Nischal Prasad Bangalore Nagendra Prasad Jules Gabriel Barnoud Dibakar Barua Rohit Vyankatesh Belapurkar Vincent Claude Robert Beque Kevin Michael Berman Sandilya Prasad Bhagi Avinash Bhaskaran **Rishipal Singh Bhatia** Siddharth Jitendra Bhatt Pranav Dilip Bhedi Krithika Bhuvaneshwaran Tanmay Nitin Bichu Jo Bito Jessica Taylor Block David Michael Boehmer Nithanth Boggaram Satishprasad Timothy S. Bolton Thomas Jacques Bouchet Carole Kim Rose Boyer Auguste Byiringiro Alexandre Jean-Pierre Roland Chabot Shrishailesh Vasan Chari Isabelle Julia Henriette Charignon Purva Rajesh Chawan Varad Hemant Chemburkar Mingliang Chen Chia-Lin Cheng Taiyun Chi Sethu Chidambaram Ashwin Kumar Chintaluri Aditya Chivukula Chunhee Cho Christopher Kerry Chow Manan Chugh Abbasali Huseni Companywala Michael Ross Coulter Navdeep Dahiya Victor Paul Charles Darphin Dhyey Naren Desai Priyank Satish Deshpande Andrew Michael Dluhy Sachin Doddaiah Shylaja Mamoun Drissi Kacemi Vivian Alistair Dsilva Stephen Michael Dumas Andrew David Eck Meriem El Hana Zakaria Fadli Yifei Fan Huangwei Fang Xing Feng Zhi Feng Sheldon Sebastian Fernandes Margaret Ann Fitzharris Matthew Brent Frank Alexandre Georges Franz Robert Daniel Friedlander Brenton Chalmers Galbraith Jin Gao Jon Mark Garrett Jr. Bi Ge Saket Gejji Ameya Pradeep Ghadi Cody Joseph Griffin Felicia Marie Groso Brice Ulric Guillaume Garima Gupta Ria Vikas Gupte Vinis Hansalia Xiang Hao Alexandre Charles Yannis Haudrechy Adam Andrew Helak Maha Majid Hosain Kevone Randall Hospedales Yunpeng Hou Yao Huang Ankul Kewalchand Jain Harshit Jain Pierre Roger Janioud Sangeetha Jayaprakash Chelsea Tracy Jean-Mary

Laura Jeyaseelan Pivush Jindal Aditya Trusha Malleshi Kadur Qisi Kang Karan Kashyap Punarva Katte Rahul Kayala Benjamin Stafford Kellogg Andrew James Kerr Christophe Michel Kervazo Adam Elmehdi Kettani Ayesha Rasheed Khan Mohammed Amir Khan Sherjeel Khan Zeeshan Ahmad Khan Robert Alan Kinley Shanay Ravin Kothari Purva Sunil Kulkarni Manali Krishna Kumar Sushant Kumar Singh Shruthi Kumara Vadivel Praneet Kuppa Junyao Lai Prithvi Rajesh Lalla Mathieu Lapeyre Changdae Lee Seonwoo Lee Marc Letourneur Avram Kun Lin Li Kecheng Li Muqing Li Tianhao Li Weiqing Li Jinyao Liang Juho Lim Shih-Chun Lin Tyler Joseph Lisowski Chang-Shun Liu Yujia Liu Wenchau Albert Lo Alejandro Cesar Lopez Feng Lu Flore Eleonore Magnard Harsha Manivannan Elza Mathew Ebin Mathews Mickael Julien Thomas Mauger Siddharth Mayya Rashmi Chandrakant Mehere Bansari Bhavesh Mehta Ishan Kaushal Mehta Vrinda Bhavesh Mehta Rohan Savio Menezes Shivang Murali Menon Gireg Miorcec De Kerdanet Vatsal Bhadresh Modi Guillaume Mourozeau Varun Murali Seth Thomas Murphy

Pratheek Mysore Cheluvakumar Gaurish Nadkarni Ashwin Chandrahas Naik Mohamed Najihi Yashdeep Narkhede Kunal Anand Nate Rosin Claude Ngueveu Kai Ni Judah Oluwaseun Okeleye Anup Prakash Omprakash Shraddha Manjunath Padiyar Siddharth Palaniappan Jérémy Parriaud Abhishek Patil Priyanka Patil Noah Pennington Julie Petta Jeffrey Watson Pettyjohn Gregory Leonard Pfister Akshay Anil Phadke Shashank Premkumar Phalke Ripunjoy Phukan Srikanth Bharathan Pisharody Taylor A. Powell Iswerya Prem Anand Adwait Avinash Purandare Neha Purushothaman Muhammad Umer Qureshi Vignesh Radhakrishnan Adhithya Rajasekaran Mihir Rajput Thiagarajan Ramachandran Janani Ramakrishnan Aishwarya Ramesh Rohan Ravi Sriram Ravichandran Shardul Rajesh Rawal David Luther Rhodes Awais Riaz Rehan Rishi Kantwon Lamount Rogers Shuchao Rong Advait Satish Sakhalkar Maria Teresa Santos Fernandez Akshay Subhash Sawant Jonathan Paul Sculley Gilles Boris Segot Julien Servant Muhammad Amir Shafiq Aakash Jayesh Shah Keval Kaushik Shah Chandan Jyoti Sharma Prateek Sharma Urvi Sharma Palash Rakesh Shastri Luyi Shen Mohammad Tabish Siddiqui Muhammad Usama Bin Sikandar Sarthak Mohan Singhal

John Ryan Slane Aditya Somani Haythem Soussia Anusha Sridhar Rao Pooja Srikrishnan Guru Das Srinagesh Bhargav Srinivasaraghavan Sriganesh Sriram Animesh Srivastava Ashley Danielle Stone Ramon Lim Sua Jr. Shalaka Gopal Subrahmanyam Rasika Subramanian Andrew Marcus Tam Edward S. Tan Wei Tang Harres Bin Tariq Yash Jaikishan Thadhani Christopher Joseph Thaiss Feng Tian Niharika Tiwari Daniel Stephenson Todd Lakshay Tokas Thibaud Toullier Navaneetha Krishnan Trippatta Pisharam Rama Mythili Vadali Sneha Venkateswar Romain Vigue Dong Wang Ning Wang Yingyan Samantha Wang Zheyuan Wang Quentin Alexandre Wetzel Michael Joseph Doumit Wishon David Charles Wonderley Yuxiao Wu Shivu Xie Shukun Yang Hao Ye Wan-Chen Yeh Kim Yie Rui Zhang Xin Zheng David Zhou Siyuan Zhou Yang Zhou Yuanzheng Zhu

MECHANICAL ENGINEERING

Aamir Avub Norman Andrew Barrett II Steven Alexander Bohlemann Eric John Bourgeois Collin Louis Budz Andrew McHugh Caldecutt Patrick Gerard Carroll James Patrick Caudill Newton Kwan Har Chan Iialuo Chen Hyun Myoung Choe James Kragh Christensen∞ Jonathan Douglas Cox Chelsea Ann Curtin Gautier Daune Alfred Nicholas DeAngelis Marie Audrey Stephanie Dekou Laura Julie Alexandra Despretz Ricardo Javier Duenas Annalisa Nicole Fowler Marco Galotta Jose R. Garcia Ludovic Geant Jonathan Edmond Gillis Ashley Nelson Goulding John Anthony Harber Brent Gerald Hartnett Danival Hassan David Hsu Haoxiang Huang Joseph Edison Huseman Sungkun Hwang Daniel Elliot Hyatt Timothy Ibru Prashanth Philip Irudayaraj Almambet Iskakov Brian Matthew Kennedy Paul Calvin Kern Rehan Khalid Chimin Kim Gun Kim Thomas Klamm Mederic Klein Hidekazu Kose Pushparghya Deb Kuila Satish Kumar Kulandapalayam Natarajan Abhishek Kwatra Ashley Rose Laterza Kam Yu Lee Jason Chengchieh Li Hengte Lin Jennifer Lin

Ryan J. Liu Stephanie I. Locks Sallie Moying Lu Kirkland Douglas Malcolm Stephen Robert Markus Alex Benjamin Miller Seungho Mok Ricardo Jose Morocz Kyle Mote Israel Nunez-Santiago Vanessa Ann Pogue Adithya Ramachandran Taylor Andrew Ray Sima W. Rishmawi Erik Stephen Robbins Ebony Nicole Rowe Karthik Srivatsa Sekar Erin Nicole Seligsohn Brian Zephraim Cowell Senft Reinaldo Raul Sepulveda Etizaz Hassan Shah Krutanjali Manojkumar Shah Daniel Michael Smith Yaqin Song Prakhar Srivastava Rachel Marie Stark Stavros Anthony Stratis Nathan David Sullivan Vishnu Swami Cecile Tailfer Miles Swicord Thompson Michael James Toth Ahmad Usman Waqas Waheed Gregory Casimir Wilk Edwin Wu Luke Allen Yates Nicholas Owen Young Su Yu Alan Xiang Zhang Yanbowen Zhang Ying Zhang

Bachelor's Degree Candidates – Morning Ceremony

College of Computing Bachelor of Science

COMPUTER SCIENCE

Ali Abid *** Shyamak Aggarwal *** Alyshaz Amin Ali *** Kentaro Ono Allen * Tyler Chapin Allen ** Sarah Nicole Alsmiller ** Andrew Seth Amontree ** Rvan Harry Andersen * Clayton Miles Anderson ** • Saikrishna Arcot ** Htain Myo Aung * Michael Thomas Avery * Afiq Zulfaiz Azaibi * Michael Frederick Azogu David Ian Barbet * Matthew Gene Barulic ** Dustin Blake Bayne ** David C. Benas Matthew James Berman Currell Vance Berry Jr. *** Shakeel Ali Bhamani ** Prashant Bhandari Jason Maxwell Bires *** Kurt Mandle Bonatz Jr. Garrett Miles Bosecker • Nathan Christopher Braswell *** Hunter Anthony Brennick Emily Meredith Brooks Cory Alexander Brzycki *** Justin Robert Buchanan *** Ryan Jeffrey Burns *** Brian Davis Cann Michael Howard Carlson Daniel Alves Carnauba *** Jesus Carrillo Keith Patrick Cavanaugh * William Michener Cely Naveen Krishna Chandran *** Moon Jun Chang ** Catherine Diane Chapman Brandon Chastain *** Janvi Chawla ** Christopher John Cheape *** Daniel X. Chen *** Fan Chen *** • Wengling Chen *** Yan Chen *** Yiqi Chen *** • YongHui Cho * Gu Young Chung Devon Patrick Cooper John David Crawford * Kevin Grady Curtin Nicolas Saldajeno de Leon *** Taufig Taher Dhanani ***

Enmao Diao *** Brian Dong *** Susanna Dong *** • William Nathaniel Dorn ** Patrick David Dozier Michael Robert Dunn Manav Dutta Shari Ebanks Patrick John Edenfield * Casey Alan Evanish *** Kevin Ryan Fallon * Timothy Reese Farley *** Luca Farsi ** Andrea Christiana Fletcher * Jory Folker * Andrew Fraser Ford Jonathan Tyler Foster Prachi Fulay ** Sneha Ganesh Bhavya Garg *** Utkarsh Garg ** Marc Joseph Gebeily Stephen Eric Gillen *** Marcus Edward Godwin Tiancheng Gong *** Katlyn Serena Graff Lauren N. Griffith Tiancheng Gong *** Ishaan Grover *** • William C. Gu *** Alexander Ren Gurney Andrew McKinney Hallacy ** Saleh Akram Hamadeh *** Kevin Han *** Nikhil Purushottam Harithas Brian Hassan Krakower *** Dean Muhtadin Hassan ** Youssif Hossam Hassanein * Larry He *** Robert Matthew Hensey *** Richard Michael Hernandez ** Gustavo Andres Hidalgo *** Mingming Hu Wenqi Hu *** Raymond Hua Sarah Elizabeth Hughes ** • Jonathan Trevor Hunsucker * Jonathan Taylor Hunter *** Alexander Tyler Huynh *** Isaac Hwang ** Brandon Jamal Jacobs Pratik Bothra Jain Jonathan Victor Jemson *** Roxanne Khushru Jijina *** Maria Lee Johnson *** Dylan Chapman Jones Abraham Yongkoo Kang *** Samantha Lana Kassem ** Raghav Kaul

David Jonathan Keatts * • Marten Joseph Kendrick Derrek Robert Keyser Farhan Iqbal Khan ** Charles Barnett Kilpatrick Jongyeon Kim Joon Kyung Kim • Joonho Jonathan Kim *** Paul Sangwoo Kim Taekyu Kim * Taeho Koh * Jee Yoon Kong Tyler James Labean * • Justin Namquan Le* Alexander Dustin Leavitt Jasper Lee * Keun Suk Lee *** Yuna Lee Melissa Meilin Li Menghang Li *** Richard Lu Li ** Zhiyuan Lin *** Ruobin Ling Qian Liu *** Joshua Mark Coley Long *** Keagan Bryce Long *** Nathan Pierce Lowell ** Michael Lu Wayne Lu *** Brett Thomas Lyle *** Nicholas Jordan Mathews • Sherman Tyler Mathews ** Michael J. Maurer *** Brenton Patrick McCorvey *** Craig Robert McCown *** Brendan Dennis McGarry * Emilio Noel Mendoza ** Molly Kathleen Merritt *** Christopher Thomas Miller Aditya Mittal *** James Allen Moak III Felipe Carneiro Monteiro * Jared Arthur Moore Matthew Thomas Moreno Timothy Patrick Mulhern Amier F. Naji *** Dhruv Nayar *** Keegan McCarthy Nesbitt *** Benjamin Cole Newcomer *** Thomas Nguyen Vaughan Clare Nickerson *** Nasim Nowshad Harrison Adegboyega Obiorah *** Abimbola Olapade Olajubutu Andrew Michael Osborn Wenlin Ou Michael Lewis Ozeryansky Natasha D. Parekh * Paul Woonhyung Park *** Amol Praful Patel **

Dhiraj Patel *** Jay Harikrishna Patel Nishitkumar M. Patel Parth Mukund Patel Prit Anant Patel Samarth Patel Shiv S. Patel *** Sterling Lewis Peet • O'Marie J. Pemberton Clayton Lee Pierce ** Tanay Ponkshe *** Nicolai Popescu *** Thomas Spencer Powell ** Jason John Provenzano * David Pace Purcell Jing Qin Gregory Daniel Rago * Julia Barrie Rapoport *** Zain Mustafa Rehmani *** Darrien Jamahl Richmond Brice Randall Rising Emily Christine Ritter *** Dale Richard Rivera ** Jack Carlton Roberts III *** Susan Marie Roberts * Nikhita Sagar *** Avdeep Singh Sahi *** Aawantika Sahu *** Hifza Zianab Sakhi * Francisco Manuel Sanchez *** Premkumar Saravanan * Brent Louis Satterwhite *** Matthew Schauer *** A Jules Mitchel Schwartz * Aditya Sehgal Hemen Narendra Shah *** Michael Joseph Sharpe Pranav M. Shenoy *** Jian Shi *** Thomas John Shields ** Brandon Kin-Chung Shum Kevin Scott Simon ** Eric Steven Slep Carter Alan Smith Evangelia Spiliopoulou *** Vivek Srinivasan *** Alexandru Stelea ** Kaitlan Michaela Stott ** Stephanie Wen Su ** Bhavesh Suhagia Andrew Tucker Swinney ** • Yasasvi Tadavarthi *** Melissa Grace Tallant * Christopher Michael Tansey * Pavleen Thukral ' Julia Ruochong Ting *** Johnnie Jose Tirado * Giorgi Tkeshelashvili Monet Tiffany Tomioka * Duy That Ton *

Christopher Matthew Trimble Allen Chia-Chen Tsai * Preston D. Turner *** Alexander Phillip Ulan Hernandez Karthik Uppuluri * John Anthony Verrone * Nitin Vijayvargiya Justin Akihiko Wan Leonard Thomas Washington III * Nancy Marie Weeks James Frederick Wenk *** Jared Michael Whigham ** Derrick Austin Williams *** Stephan Dedalus Williams *** Cora Tatum Wilson ** Jayne Madeline Wilson Yuvraj Windlass Lovissa Huigita Winyoto *** Wesley Yee Fei Wong Junxian Wu *** Yaling Wu *** Kevin Xu * Walton Waiting Yeung Jialiang Zhang *** • Tiffany Zhang *** Yian Zhu *** Kyle Zachary Zimmerman ***

Ivan Allen College of Liberal Arts Bachelor of Science

COMPUTATIONAL MEDIA

Interdisciplinary with College of Computing

Fadoua Abida Derek Freemont Aldrich Scott Colvill Beale ** Kirsten Ann Carella *** • Casey Hyejean Chae *** James Edwin Choate IV ** Justin Eric Cook ** • Hillary Elise Degenkolb ** Ryan Christopher Diaz * Zachary O'Neal Elliott *** Maxwell Travis Froedge Daniel James Gonzalez * Emma Grace Hargrave Nghia Cong Huynh * Dhruv Narayan Karunakaran Jong Won Kim *** Kristen Elizabeth Lawrence Ryan Patrick Mendes *** Nayomi Raychelle Mitchell * Evan Xavier Moscoso Emily Anne Mosher *** Austin Harris Musselwhite * Audrey Victoria Nelson *** John Ryan O'Donnell **

Larry Michael Smith Jr. Anna Rose Stenstrom Tre'Saun Thomas Richard Glenn Valentine *** Amanda Grace Wall *** Angela Yang

College of Architecture Bachelor of Science

ARCHITECTURE

Jesse Adair Beardall Lauren Anne Boudreau *** Michelle Nicole Bunch *** Daniela Lee Cardona * Christian Dior Coles * Meghan A. Doring *** Juliana Echeverri Haley Christine Fordham *** Alexandria Theresia Gillette *** Roger David Jewell * Ishrat Jahan Lopa *** Jacqueline Michelle Mancher * James Patrick Mayer * Margaret Catherine McDowell * Jiangpu Meng *** Shu Meng *** William Worth Moore Chandni Nalin Patel *** Zhiwen Oiu Grace T. Reed * Abigail Li Smith *** Ross William Smith * Sayuj Prakash Srivastava Dorothy A. Steinbach Son Truong Vu ** Caroline Elizabeth Wyrick ** Hyuk Jin Yoon **

BUILDING CONSTRUCTION

Andrew Thomas Albarez *** Krisha K. Patel Dimitar Ivanov Penkov Ashley Clifton Stamper Shelby Anne VanHemel **

INDUSTRIAL DESIGN

Sara Caroline Allen ** Edith Marie Aponte Aislinn Elizabeth Ayres *** Mallory Lynn Becker ** Isaac James Chasteen ** Elvin Ho Wing Chu *** Riana Michelle Dawson *** Joshua Edward Dycus *** Courtney Noelle Gruber *** Rachel Elizabeth Kurth ** Monika Lee Sonia Rose McCall *** Meghana Arundhati Melkote ** Samantha Anne Morley * Peter Allen Quinn *** Lindsey Nicole Schwartz Sarah Katherine Somers *** Caitlin Isabel Taylor *** DeJon Castino Tebought Ashley Jean Touchton *** Jocelyn Esther Yao *** Orezioghene Onyebuchi Zaudu Aki

College of Sciences Bachelor of Science

DISCRETE MATHEMATICS

Yiqi Chen *** Hongzhao Guan *** Nolan McKinley Hackett * • Philippe Camille Laban *** Vladislav Levenfeld Riesling Margaret Meyer ** Kyle Zachary Zimmerman ***

EARTH AND ATMOSPHERIC SCIENCES

Johnna Michelle Floyd Kaitlin Maureen Gardner * Joshua Everett Hedgepeth • Namrata Kolla *** Shitian Liu *** Zeeshan Ameer Rasheed *** Bruno Rodriguez ** Jennifer Christine Varian *

BIOLOGY

Micaela Ompico Alcala ** Radhika Chirag Amin * Ceara Lynn Baage Daniel Matthew Baker Andrea Kathryn Boyd Shelby Lee Busby ** Jacklyn Pamela Carroll Andrew Chetcuti ** Alexa N. Deckbar * Kyle Domzalski Wade Mackenzie Enos Julia Catherine Frederick ** Shelby Elizabeth Gantt *** Langston Lorenzo Geddis Jr. Sarah Elizabeth Gould Paige Nicole Gudim Haley Rae Haufschild *** Demetria Marie Hubbard Alexandra Phillips Huhman *** Kaylee Nicole Isaacs ** Samuel Tyler Jones Yoo Jin Joung *** Sharadha Krishnappan * Da Hee Lee ** Frederique Lefebvre * Madeline Frances Lionberger *

Melissa Lee Liston Mark Christian Lowder *** Kevin Keon Mahmoudi *** Kathryn Grace Martin Paul Thomas Menk Jr. *** Rachel Julia Miro ** Angela Mo *** Jung Kee Mok *** Charlotte Alexandra Myers *** Olayemi Oluwadolapo Olubowale Sagar Chaitanya Patel *** Sasha Deepak Patel Natalie Rae Payne Ioana Raluca Pencea * Amal Manuel Punnoose *** Camelia Lacrimioara Roman Maryam Saheb Alissa Marie Schlosberg Zain A. Sharif *** Dalton James Sherwood *** Banafsheh Bonnie Shoai *** Hyeran Catharina Son * Jonathan Frieder Striepen ** Jordan Elizabeth Tapley Callie Rebecca Thompson *** Yael Jordan Toporek * Lauren Lee Wolcott * Zane Wolf *** Neha Fariborz Zaer ***

PSYCHOLOGY

Preeya Sanjay Banit Jaudale Banks Jr. Darelle Lynn Cowley * Katelyn Elizabeth England *** Anthea Ama Larbi Michael Seth Meltzer Hannah Kaye Perkins David Keider Reid Woodbury Harlan Shortridge Claire Elizabeth Smith * Theresa Ann Sorrentino Ann Elizabeth Swanson Gemariah Torda Valencia *** Irene Velazquez Jeri Ann Wheeler Changzhi Wu

APPLIED MATHEMATICS

James Swenson Burrell * Collin Michael Cunningham Elizabeth Nicole Faucher * Stephen Eric Gillen *** Amber Mae Harris Zixin Jiang *** Adam Justin Lieberman *** Haden Asher Nuckolls Jessica Ashley Shimko Jingyu Zhu ***

College of Engineering Bachelor of Science

ENVIRONMENTAL ENGINEERING

Hannah Kate Ackermann *** Hwan Chul Cho Zachary Clevenger Chloe Grace Cooper * Briana Lee Corcoran Gerald Jesse Duncan *** Sarah Ecker *** Shannon Renae Evanchec • Allison Marie Findley Ruben Gijon-Felix Margaret Elizabeth Gwinn Nathan Charles McDonald * • Ryan James Murphy *** Jonathan Edward Nathan Rushi Navneet Patel *** Romy Majorie Sauvageau Robillard Matthew Austin Simpson YongCheng Soo *** Jane Sung Masayuki Takeuchi *** Zachary Willis Telljohann * Leselle Karen Vincent Alana Michelle Wilson ***

BIOMEDICAL ENGINEERING

Davis Mark Aasen *** Khwala Abdulhamid Abdulgader ** Mary Catherine Adams * Harnel S. Alezi Rehman Ali *** Elizabeth Viera Allen Nafiz Amin Zeena Mostafa Ammar ** • Suhaas Anbazhakan *** Christopher Andrew Arencibia ** Shadi Ashtarolnakhai Jonathan Pradeep Austin ** Alexander Joseph Autry Kevin Bai *** Andrew Ryan Barth • Crystal Dawn Bryant * Jeffrev Scott Buell Jr. Kendall Elizabeth Burton * Joshua Lee Cavender Anup Chandora ** Dong Hee Chang ** Peter Hae-Dong Chang Pranaya Hasini Chilukuri *** Kavita Chinoy *** Dong-Bo Choi Jiho Choi Lauren Nicole Clark Destiny August Cobb ***

James Avery Coppock Katherine Christine Crawford Heena Subhash Dani *** • Sarah-Catherine Marie Dannelly Emily Lynn Davis ** Chuyu Deng *** Meaghan Katherine Desilets ** Luke Austin Dinges *** Lauren Catherine Dognazzi * Sage Hopkins Duddleston *** Connor James Eaton ** Nick Allen Emamifar ** Emily Kathleen Evans *** Benjamin Caleb Faught Katherine Anne Fiedler Miguel Salomon Flores * Chris Morin Fodouop ** Jordan Ann Garth • Timothy Randall Gassner * Kareem Merv Goddard Matthew David Goldstein * Brian Calvin Grav Erin Elizabeth Greenhaw *** Emmeline Barbara Gromme ** Karisma Rakesh Gupta *** Casey Lane Haynes ** Paige Elizabeth Holbrook *** Alex Matthew Hubbard * Christine Clayton Huff • Kristen Kaylee Humphries *** Heather Ann Issen *** Aparna Rajagopalan Iyer Samir Jain *** Joy Janku * Kristen Elizabeth Jeffares Dominique Nicole Johnson Maria Lee Johnson *** Marshall Jerome Jordan Jr. Shirin Nandkishor Kale Sukhita Karthikeyakannan *** Venkatkrish Manohar Kasetty *** Jacob Andrew Kazlow KangSan Keum ** Samantha Elise Kiblinger *** Joy Lynn Kim ** Renaid Bell Kim *** • You Keun Kim *** Sachin Ajay Kothari *** Amber Maria Lee Hee Su Lee Jacob Lee Jordan Muen Lee *** Keewon Lee Huan Chi Thomas Lin ** Yang Liu Xingyu Lu Veena Madhu ** Kimberly Ann Martini ***

Kathryn Elizabeth McAlexander • William Harrison McAllister *** David William McKellar ' Dionne Paché McKenzie *** Paige Madison McQuade Nicolas Francisco Metzler ** Emma Clare Mihevc *** • Sameer Mishra ** Priya Mohindra *** Miguel Fazendeiro Bento de Castro Monteiro Michael Young Moon *** Michael Andrew Morgan Jr. *** Matthew John Mosgrove *** Amrutha Mylarapu ** Bharathwaj Nandagopal * Tatiana Sofia Netterfield *** • Katherine Michelle Neuberger *** • Thomas John Ng *** Hoang-Dung Thi Nguyen *** • Anthony Joseph Nicaretta Geoffrey Jiwoo Noh Michael Thomas Ollukaren ** Van Alexander Panter *** Leanna T. Parchment *** Aaron Shailesh Patel *** Mithil Sudhirkumar Patel Nikhil Yashvant Patel Stephen Robert Pfohl *** Joshua Aaron Porter • Hemanandhini Prakash *** Sudarsan Pranatharthikaran *** Alexandra Carolyn Price Scott Owen Prombo Aditya Ragunathan *** Naser Rahman Anna Ramroop Gautam Rangavajla *** Gabrielle Lynn Rawls ** Richard Chase Reineke *** • Abigail Grace Riddle *** Δ Shannon Elizabeth Rodrigues Kathleen Rooney *** Bharat Sanders *** Kyle Andrew Schadt ** Cassandra Leigh Scofield • Devansh Manish Shah * Jay Dipesh Shah * Nikhilesh Sharma Ruifu Shi *** Chong In Shin ** Jin Eun Shin ** Sraeyes Sridhar Shraddha Srivastava *** Erisa L. Sula *** Manuela Sushnitha *** Farris Adil Taha *** Alexander Riley Tatum * •

Newsha Tavakoli *** Kamal M. Tawfik * Guergana Iliyanova Terzieva * Δ Elizabeth Walker Thompson *** • Joseph James Thornton Thu Pham Minh Tran ** Maxianne-Claudine Andes Tria Hunter Lee Tuck Cory Timothy Turbyfield Chidozie Joseph Ugwumadu Palavi Pavan Vaidya *** Jordan John Varghese *** Michelle Alexa Vazquez Isabelle Marie Vernon *** Prateek Neil Viswanathan Catherine Esther Wallace *** Δ Charlene Walton ** Yannan Jennifer Wang *** Yichen Wang *** Alexander Burns Warner *** Valencia Eleece Watson Benjamin Kasanda Wibonele ** Varun Yarabarla *** Hee Young Yoon * Gina Patricia Yu *** Kenneth Yi-Kang Zhang Tian Zhang * Xiaohan Zhang Amy Zhen *** Jimmy Zhou **

MATERIALS SCIENCE AND ENGINEERING

Mary Catherine Adams * Nicole Elisabeth Allison Taylor Alexandra Armstead Mara Elise Azzouz *** Christopher John Warner Batson *** Alexander Lamar Beach *** Blake Christian Cotney Eric Finlayson Dancu *** Christina Clare Fisher Steven James Fullerton Zev Jordan Greenberg ** Colin Michael Holmes ** Junghwa Hong Jiaxin Huang ** Peter Haygood Huddleston ** Kristine Marie Johanning Keith Edward Johnson *** Nicholas John Kane *** Robert Michael Kiblinger *** • Jinwon Kim Emilie Danielle Kundycki Anna Elyse Landreville Chelsea Rose Lefland Natalie Alayne Lindsey • Chunzi Liu ***

Tyler John McCrary *** • Emily Kathleen Mikan *** Gregory James Nacey Franco Alan Ortega Gordon James Powell *** Hayden Mathias Price Nestor Rodriguez Austin Howell Sanderson * Katherine Jane Yae Siegel *** Yu-Yun Nina Su ** Brian Robert Swanson ** Anna Maria Thomas *** • Sara Elizabeth Turmel ** • Justin Tsao-Ming Wang *** Thomas Drake Wheatley Yu Wu * Alexander Hwang Yu ** Qi Yuan Wenke Zhang *** Yumeng Zhang **

INDUSTRIAL ENGINEERING

Radhika Agarwal Muhammed Faizan Akhter James Alcock ** Peter Alcock *** Zachariah Colin Allen Ali Noaman Almusawi * Abdulaziz A.A. Alshalfan ** Jacob Caine Amsbaugh ** Xin An * Thomas Philip Anderson Brandon Tate Anglese Kevin Lamar Arpin ** Jasmine Diann Atkinson ** Anuraag Bahl ** Tilak Balavijayan *** Cristian Andres Barron Idil Beri *** Param Apurva Bodiwala ** Alexander Thomas Bonn • Daniel S. Brachey *** • Siobhanna Lauren Mansfield Brown ** Blair Michael Buffington • Alison Elizabeth Burton • Hiyong Byun *** • Susan Diane Carter * Cheyenne Sagirah Autumn Cazaubon • Clarence Chang ** Yuan-Yu Chien John Yohan Cho * • Saharsh Chordia ** Casey Alexander Culver Edward Millard Culver III

Andree Marie Curran *** • David Austin Daily *** • Julie Deng Anika Dhamodharan *** Zee Shan Dhanani Emily Yue Dong • Chad Michael Edwards ** Sarah Marie Erchull *** Matthew George Faenza * Kevin Ryan Fallon * Matthew Zoltan Farkas *** • Yi Feng *** Marco Ferro ** Calvin Laron Gadson Reed Andrew Gardner *** Ayshali Savi Gauba *** Jason Tanner George *** Rahul Gautam Ghosh * Geoffrey Follette Gilbert Daniel E. Goldman ** Nicole Gottret Murillo *** Damian R.R. Grace Owen Stafford Greeson * Hongzhao Guan *** Meriem Guehaiz • Nolan McKinley Hackett * • Pritika Halder • Elyse Nichole Hampton * John Derek Hart • Rachel Kathryn Harte • Charles Zhizhou He Leon Cavalcanti Heimer *** Mary Elizabeth Kennedy Herndon ** • Brian Christopher Homans • Kevin Charles Hopkins • Shih An Hsu • Yue Hu ** Xiaohan Hua *** • Murtaza Husain Beheridin Ahmed Ibrahim Sarah Elizabeth Jackson • Michelle Ashley Jeng *** Julia Alexandra Jennings * • Gregory Paul Jester * Yaodong Jia *** • Kasey Mackenzie Joyce Carlos Victor Shinobu Julca Seto ** Jean Young Kang • Marie Ann Kenvin Kelsey Anne Killion Jessica Sun Kim Ji Young Kim * JinYoung Kim Yikyung Kim * William Gunnar Knight ***

Joseph Patrick Knipe *** Nealand Joseph Kozsuch Brian William Krause Sofiya Yevgen'yevna Kukharenko Katharine Auriana Kusch • Kathryn Dara Kutner * • Melissa Kay Lea Adam Lee * Caroline Soyun Lee Dong-Hoon Lee Wayne Wang-Yeol Lee Erin Rose Levy Ranran Li *** Siyi Li * • Lisa Yi Liu *** Anthony Wayne Lovence Gloria Lucia Lozano • Jia Luo * Jose Rafael Arenas Mailig ** Kathryn Grace Maloy Amelia Marie McCormick Aaron Matthew McHatton * Lucas Ray McIlhattan * Anand Samir Mehta * Gregory Stephen Miller *** • Rukmini Mullapudi *** John Keesung Na * • James Edward Naegele Jr. Madia S. Nam Adnan Ashraf Nathani* Dalton Robert Nechanicky * • Katie Brooke Nelson *** • Hieu Le Nguyen * Zhengxuan Ni * Charles Canton Oliva Kristen Elizabeth Olivera * • Gabriel Alan Paik *** Chelsea Eunbo Park Hyunyoung Park *** Abigail Ione Parnell ** • Emily Rose Parrish *** • Aditya Nitinkumar Patel Chintan Nilesh Patel Keval Pranav Patel *** Ronak Prakash Patel ** John David Payson *** • Sugandha Rao Pedapudi * Taylor Meredith Poulos * • Nolan Michael Pridgen Eduardo Jose Prieto Jing Qin Rebecca Margaret Raffaele *** • Kedar Pranav Rao * Michael Lewis David Reed Richard Brian Rembert • Jordan Alexander Roberts *** •

Alexander Calvin Rohrer * Jana Rossouw * • Wesley Ethan Rowe * Ashley Grace Roxburgh Sebastian Salazar ** Alexandria Langley Schmid *** Michael Benjamin Segal Matthew Jonathan Segars Aditya Nirav Shah Tanya Shahani * • Trevor Bradley Slack * Rohan Somasundaram * Inseon Song *** • Steven Joseph Spiegel *** Sydney Anna Sprague Snehashish Sridhar ** Antong Su *** • Bryan Ansley Sweat Allyson Ann Taft Nicolas Christian Tailhardat * • Prashant Dilip Tailor *** Pranay Reddy Tamballapalli Nalappareddy Juan Henreynard Tanadinata * Kevin George Thomas ** • Peter Sabu Thomas * • Kattelie Emmelyne Thys Laura Lee Trube ** • Daniel Eduardo Varela * Nitin Venugopal *** Juan Carlos Viera-Dimarco Indrajit Viswanath * Nima Vojdani • Alfonza Kent Walker Jr. • Christina Michele Wangen ** • Ryan Christopher Ward *** • George Washington III Elise Nicole Watson ** • Julia Kayleen Wayne • Rachael Marie Weber ** Jacob Ryan Welte ** • Neil Bowen Whitman Jr. ** • Michael David Worrell * • Gunce Yalcin Young Han Yoon *** Ryan Griffith Youngblood *** • Yu Zeng *** • Matthew Christopher Zerkus Ziyu Zhang ** Xiyuan Zheng ** • Alicia Zheng Sam * • Haidan Zhou *** Jingyu Zhu *** Qiran Zhu ***

AEROSPACE ENGINEERING

Cameron James Addleton Robert Patrick Ainsworth * Ionathan Daniel Allen * David Thomas Babb Akshay Bakane ** Paul Joseph Basilone Randall James Blair *** • Darian Alon Blanchard Iustin Lewis Brotzman * Nathan Parnell Brown *** • I. Christian Buhr *** Ryan Wendell Burke Sean Christian Burson *** Barry Allen Butler Jr. * • Tianchen Cai ** Sebastián Cardona * • Christopher Eric Cargal * Joshua Thomas Carnes *** Matthew Dennis Chan * Vraj Chatur Chhabhaya Chris Nicholas Christie III Austin Winston Claybrook *** Nolan Lee Coulter ** Nicholas Evan Curran *** • Protik Das * Kyle Anthony Davis Rohan Gajanan Deshmukh *** Andrew Thomas Disalle *** • Nicole Leanne Dowling • Brian Christopher Drexler Katherine Elizabeth Durden *** • Connor Christian Ellis *** • **Iessica Elaine Fuller** Mark William Gelber • Jacob Wells Glasgow *** Ivan Arpan Gomes ** Jada Alexandria Green ** • Andrew J. Greenhill ** Adam Daniel Greenstein *** • Paul Hayward Grier Jr. Stephen Robert Grzelak *** • Thomas Shigeru Kimura Harrington *** Andrew Ho Aaron Song-Gon Holben ** Viktor Hromyk ** Ghassan Issa Christopher Aaron Jenkins • Hee Yong Jeon ** Henderson Johnson II *** Tobi Niyi Kadri ** Preston David Kagiri • Dongha Kang *** Benjamin Gene Kawecki Andrew Paul Kendall ***

Jin Hyuk Kim *** Ryun Ho Kim Scott W. Kling *** • Vaibhav Kumar *** Kevin Sang Oh Kwon *** Siddharth Lall *** Braden Richmond Lapp *** • Dinh Ton That Le Patrick W. Lei *** • Tianyi Li Mathew Scott Loeffler Michael Jonathan Lucchi Jessica Alexandria Lynam Blake Adam Richard MacNair David Thomas Maggs ** • Tanuj Maheshwari Walter Joseph Roeber Malchodi * Michael Aaron Marshall *** Eduardo Daniel Maya Lloyd Peter Maza *** Lee Stuart McFarland Christopher Shane McInvale Brandon Patrick Meehan *** Matthew Robert Mendenhall * • Michael Torey Mercurio Tyler McKim Meuter * John Alexander Miltner *** • Marcus Jones Mitchell Matthew Adam Montavon ** Cameron Kennedy Neill Vu Trinh Ngo *** David Alexander Pearce *** Charles Cotesworth Pinckney Jr. * Michael Aaron Portman *** Sidharth Prem *** Joshua Kevin Price *** • Teresa Prieto Prieto *** • Swapnil Raghavendra Pujari *** Venkat Pavan Putcha Richard Quaicoe Kyle Michael Randall * • John Hartwell Ridderhof *** Brian David Ritchey ** • Jeremiah Reed Robertson ** • Haniel Roman Sayan Roy Luke Alexander San Joseph Karl Sanchez *** • Clyde Russell Sanders Jr. Karandeep Singh Sandhu Alec Thomas Sandmire ** • Khambrel Aaron Simpson Kyle Thurman Skidmore * • Nathaniel Luke Skolnik *** Eric Lee Slone

Kailah Brianne Snelgrove *** •

Katherine Virginia Squire * • Samuel Joseph Swanson ** Adam Wayne Thomas * Colton Thomas Killian C. Wagner * Yifan Wang *** Michael Christopher Waters Kayla Ann Watson Adam Joseph Whalen *** • Garett Peter Williams • Nicholas Joseph Zambetti *** Alexandra Patricia Zea Junjie Zhai Bikai Zhang * Yiwen Zhang ** Xinyang Zheng **

POLYMER AND FIBER ENGINEERING

Ericka Beatrice Bernadette Mignucci

CIVIL ENGINEERING

Sameer Surgum Agrawal * Kyle Christians Ahrens ** Harrison J. Aiken ** • Kehinde Adedayo Paul Alonge ** Samantha Elizabeth Becker *** Sarah Taylor Biser Oliver Kevin Blackburn Joseph Christian Boggs John Edward Bolen *** Laura Ashley Boyle * Marlon Deshaun Brazelton Derek Franklin Bryant Cole Weston Buchanan * Morgan Leigh Cavender Michael Chen Tejada *** Alexander James Clark ** Marc Scott Cohen ** Diego Cruz-Burbano *** Silas Poe Davis *** Tradd Heyward Dennis Joshua Charles Ekstedt *** Δ Brian Burklund Emrich * Richard Ryan Evans Kara Renee Evitt April Rosemary Gadsby *** Jason Thomas Gerrits *** • Shawki Imad Gholmie Amelia Christine Goydich ** Jeremy Adams Greenwald Ja'Vanity Latrice Heath Anna Rose Hernandez ** • John Songen Hu * James Read Hunter ** Johnathan Wayne Jackson Emma Christina Jensen *** •

Minjae Kim ** Ryan Thomas Krusko * • David Allen Lelak * Julian Andres Lizarazo Segura Samay Nirmal Lohia Christopher William Lundy * Benjamin Lewis Matthews Shirley G. Medina Paredes Haneefuddin Mohammed *** Tahmid Ahnaf Mohiuddin * • Katherine Grace Mooney Cullen Ray Mullinax Matthew James Naugle ** Jeremy Edward Nichols * Doyin Lydia Oladimeji Toluwalase Boluwatife Omotosho Chibuzor Paul Oziligbo *** Sara Grace Palagyi *** Harris Steven Pankow *** • Jae Young Park ** Breanna Hope Poteet • Kamania Chioneso Ray Cody Allen Rodgers Haythem Moushir Shata Natalia Stanley * • Jarrett Andrew Stichler Bryan Matthew Terschan *** • Srikrishna VanKayalapati *** Matthew Morris Williams Taylor Reed Withers Richard Harold Woo Jr. William Maxwell Woolery Shakara Regina Wright • Arman Yosal *** William Anthony Zerkus •

Bachelor's Degree Candidates – Afternoon Ceremony

Ivan Allen College of Liberal Arts Bachelor of Science

APPLIED LANGUAGES AND INTERCULTURAL STUDIES

R. Chase Adams *** • Δ Lindsey Michelle Armstrong ** Δ Katherine Diane Clark *** Daniela Galvez *** Aileen Lynn Pollitzer *** Matthew Schauer *** Δ Kathryn Grace Sclafani * Δ Emily Elizabeth Simonds ** Guergana Iliyanova Terzieva * Δ Alexander Burns Warner *** Cole William Wright **

PUBLIC POLICY

Laura Margaret Burbach *** Namrata Kolla *** Austin Blaire Milton Jared Matthew Moro *** Lauren Elizabeth Renaud *** Jessica DeLanie Richardson **

HISTORY, TECHNOLOGY, AND SOCIETY

Spencer Andrew Allen Hayden Bennett Gregg Anthony Christian Haskin Nickalus Yani Jacobs Taylor Paige Jarrells * Charles Mitchell Hyun Kyung Paik ** Taylor Lee Prichard ** Tyler John Schoenrock *** Shelby Anne VanHemel ** Elizabeth Marie Warden ***

LITERATURE, MEDIA, AND COMMUNICATION

Lindsey Michelle Armstrong ** A Kamilah Abeje-Ain Bakari ** Bri Courtney Boldon Patrick Ieshun Gamble Marcus Anthony Georges-Hunt John Wesley Hanes IV Abigail Elizabeth Harrover *** Haley Rae Haufschild *** Jabari Paul Hunt-Days Seok Ji ** Kaitlin Sara Johnson ** Francis G. Kallon Lucas Duncan Parker John Sebastian Quinn Alexander Reese IV Roddreka Raia Rogers

Roderick Anthony Rook-Chungong Rachel Caroline St. Clair *** Ansley Reid Thomas Annamaria Concetta Tomaszewski *** Wimberly Owens Wilson ***

INTERNATIONAL AFFAIRS AND MODERN LANGUAGE

Edward Majebiorite Babatunde Bruno-Gaston Caitlin Emily Huber *** Kaili Carroll Lynn *** Zachary Stephen Riedford

INTERNATIONAL AFFAIRS

Daniel Joseph Brady Niesha Alice Butler Richard Corey Delorme Olivia Grace Edwards ** Nicole Alexis Frieman *** Alejandro Gaitan Lisa Injung Hwang *** John Mark Jackson Joshua M. Jacob *** Rachel Lynne Kirksey ** Ashley Christina Larrow Andres Alejandro Marcuse-Gonzalez ** Δ Stephanie Julie Remy *

Stephanie Julie Remy * Emily K. Shepherd ** Caroline Frances Wesson * William Alton White III ** Jacob Christopher Whitfield *** • Andrew James Wirt *** Daniel S. Yoon *** Iva Zivojinovic

ECONOMICS AND INTERNATIONAL AFFAIRS

Anna Elizabeth Hunter * ∆ Anoosha Kumar *** Sina Mehdikarimi ** Samuel Anthony Norris *** Ulcka K. Patel • Charles Edward Stalzer III **

GLOBAL ECONOMICS AND MODERN LANGUAGES

Leilan Johnna Sheu *

ECONOMICS

Justin Kenneth Bryan Eli Castrejon * Isai Jaciel Castrejon Eric Anthony Dicorrado Andrew Alton Essig John Alexander Fannin Jean-Ann Camille James ** Jordan Patrick Janflone Benjamin Michael Northrup Tharangini Palanivel * Δ Taylor Lee Prichard ** Lindsay Marie Ainsworth Purcell *** Abbas Raza Reba Katelin Sellers * Kathryn Loraine Stoklosa *** Shivang Sullere ***

Ernest Scheller Jr. College of Business Bachelor of Science

BUSINESS ADMINISTRATION

Annalise Savannah Abney * Anna Elizabeth Adams *** Shahdat Ibna Ahsan Kelly Louise Albano *** Elizabeth Ann Allen *** Elizabeth Skye Archer Marie Garrette Athaide *** Holley Avrett *** Brandon Wilcox Bane *** Anuradha Banerjee *** Hannah Jo Barr *** Efrem Haile Beraki Anna Alicia Hall Berinhout * Laura Nicole Bernstein *** Angela Marie Berry *** Tea Bibeti Jessica Nicole Boazman Barclay Andrew Bogiages ** Natalie Jean Bohdan * Michael Sabastian Bonifacio Russell Brendon Bowles Samuel Louis Brehmer * Kimberly McKenzie Brown *** Louis Bui *** Maria Gabriela Bump *** Daniel Austin Burch * Freddie Hamilton Burden Laura Elizabeth Burns Lauren Marie Burtz *** Bronwyn Ann Carlson *** Daniel Joseph Caro *** Alexander Carvajal Nicole Rae Center *** Michael Brandon Chickvary * Sarah J. Chickvary *** Meredith Louise Christianson ** Angela Catherine Como *** Matthew Patrick Cooper Madison Hart Copeland Alejandro Javier Cortes *** Morgan McCormick Cox *** William Terry Crow * Oscar Cruz Joseph Nicholas Cua **

Emily Claire Currie *** Amanda Hunt Daily William Matthew Davidow Austin Emerson Davis Shyamali Dey *** Danish Suleman Dharani* Logan Edward Dorson William Brooks Doyle ** Taylor Tipping Dukes ** Paul Louis Earl ** Samantha Kate Eastwood *** Ahmad Emad El-Kaiali Thomas Cole Enright Naomi Harika Ergun *** Caleb Austin Espy *** Elizabeth Anne Evans *** Alyna Igorevna Fainberg *** Julia Ann Falvey *** Δ Rachel Laisne Firstman* Samantha May Flaherty ** John Carlton French III *** Mallory Christine Frost ** Daniel Mark Furman *** Adonis Carl Gaines Katie Cheyenne Gleber *** Max Brazil Gluck * Alexander Jacob Goldsmith Maria Sylvia Gonzalez *** Dimond Nicole Gooden Britanny Monique Grace *** Megan Elizabeth Guenther *** Kendall Ashley Hall *** Beau Bryson Hankins Mackenzie Lee Hanson Michael Paul Hashimoto • Jeremiah Nathaniel Hearon Kevin Michael Hill *** Daniel Joseph Hoffer ** Jacob Daniel Holleman Melissa May Holmes ** Steven Chun Hong Cindy Huang *** Shakeel Kaif Huda Haley Charlene Hunt ** Darryn Hutchinson Rachel Marie Isaac ** Taylor Rebekah Jacobs *** Jared Edwin Jillson Ivey Monroe Johnson *** Jamal Laurence Johnson Jr.* Kierra Lashae Johnson Eric Leland Johnston Caitlin Nicole Jolley *** Douglas Casey Kay ** Margaret Rose Kazmierczak Wesley Ryan Kean *** • Meghan Kammer Kehoe *** Patrick Henry Kelly **

Kristin Ashley Kemp Christopher R. Kennard *** Michael James Kenny * Reid Charles Kersey Agnes Jooyoung Kim * Helen Hyejin Kim Nikita Kirillov Caroline Louise Kissel *** Rachel Violet Kline * Megan Elizabeth Kurey Conor Peregrine Lange *** Andrea Loralai Latimer * Hye Min Lee Jun Suk Lee Sungkeun Lee Yebin Taylor Lee Jiajia Li ** George Liu Lin Lauren Ishen Liou *** Katherine Reid Lohn Nathan Taylor Lowery * Leslie Lue *** Shannon Elise Lumbra *** Pramod Majji Nadine Marfurt *** Samuel Aaron Martinez ** Erica Kay Masi *** Katherine Mcdonough Massey *** Rachel Jordon Massey *** Privana Masso Kounchou John Kingrey Mastrangelo *** • Sophia Mathew Benton J. Mathis III * Austin Martin McClellan Grace Ann McGeehin ** Margaret Lea McNease *** Catherine Anne Meadows *** Bennett Lee Mears * Sierra Taylor Menzies ** Michael Bradley Mercer * Nicholas Tavarie Middlebrooks Douglas Cole Miller Shahzar Ali Mirza ** Mijua Moua Grace Anne Murphy ** Nairita Nandy * Fabiola Maria Navarro *** Lindsay Kate Neece Gregory Nikoukary * Joshua Marc Ortman * Scott Tyler Padgett ** Tiffany Joy Figueroa Palmares Albert Park Woong Jun Park * Sneh Yogesh Parmar * Bindi Anil Patel * • Nikita Patel *** Pooja Mayur Patel ***

Vaidehi Hitesh Patel ** Nathan Kenneth Pearson ** Lindsey Alexandra Perry *** Emily Anne Peterson *** Cole Garren Pitts Paxton Elise Plunkett *** Sarah Catherine Pospisil ** Robert David Presley Brooks William Prettyman *** Kevin M. Pridgen Janani Raj * Alex Bijan Rajabi *** Tylar Amber-Rose Rattansingh • Abbas Raza Hillary Rose Manaloto Reyes *** Michael Chase Roberts *** Alexander Rodriguez *** Jaclyn Elizabeth Rohal *** David Rojo * Andrew Steele Rowland *** Daniel Edward Safouri *** Paul Collin Scarbrough Michael William Schmit ** Samuel Robert Schreer *** Jonathan Michael Schultz Brian Ji Whan Seo Mohammad Hassaan S. Shafqat Reena Shah * Kristyn Reed Shriner Vasil Slavchov Simeonov *** Christine Marie Simon * Shandeep Singh Trevor Wing Ho Siu Hannah Nicole Siwik *** Elizabeth Katherine Slagel Demontevious Delisshea Smith Amanda Paige Snell *** Earlvin Rojas Solomero Sumair Amin Somani Hyeyoung Song Hannah Renee Spoerke *** Aaron Pierce Spratlin *** Priyanga Srinivasan *** Samuel Douglas Steele * Daniel Eric Steeves *** Susan Mary Steffenhagen *** Richard Boeun Suh * Micheal Wayne Summers Jr. Bryce Ashton Sweeney Kathleen Erin Sweeney *** Morgan Leigh Taylor *** Nariah Taylor John Kayl Thomas Justin Micheal Bryant Thomas Tyson Alexander Thornton Nicholas Reese Thrasher * Reed Scott Tickle *

Angela Amber Tran * John David Turner Mark Stephen Victor Inna Vologzhanina Aditya Ajay Wadhwani Natalie Susan Ward *** Mehwish Wasi *** Mats Waldemar Westergren *** Alexander Michael Whitacre *** Aaliyah S. Whiteside Benjamin Kyle Whitt ** Lynn Willard *** Dylan Mack Williams ** Warren Andrew Williams *** Zachary Frank Williams Joseph David Wiseman * Ashley Sarah Wiser *** Kendal Erika Woodard William Aloysious Woods III ** Grant Timothy Wruble *** Barkley Jeane Yancey ** Candace Nicole Yap *** Hyesoo Yeom William Joseph Young *** Courtney Ann Ziese David James Zisek *** Jenna Marie Zivalich * David Zurn Jr. •

College of Sciences Bachelor of Science

BIOCHEMISTRY

William Henry Anderson ** Michaela Joy Bartram Quinton James Bruch *** Lindsay Carvalho Dahora *** Carlton Jarrett Davis *** Justin Kyle Dehorty *** Kathryn Megan Fitton *** Brooke Allyson Furlong Alex B. George *** Miki Christine Hayashi ** Sara Ladan Hojjatie *** Julia Katherine Huey Logan Joseph Jackson *** Kyung Min Kim * 🔶 Seung Yeon Kim *** Hsinying Tammy Ku Antony Lehtikoski Anabel Liyen Cartelle *** Lauren Marie Lucas Nima John Madani * Tori Lynn McKinney Lina Maria Mills Kurt Richard Nemeck *** Mary Le Nguyen Kim Bharat Patel

Shrey Patel ** Anna Katherine Paulino *** Nataliya Prokhnevska *** Trung Dinh Quach Kelsey Ann Roof *** Diana R. Sas *** Hazel Jitesh Shah ** Lambros John Tassoulas *** Stefanos Allen Tassoulas ** Mary Ann Thaliath ** Yung-Hsing Wang Elizabeth Caroline Wood ***

APPLIED PHYSICS

Eric Sadler Zane Wolf *** Julian Daniel Zehr *

PHYSICS

Emily Louise Beck Alec Thomas Blenis John Michael Bollenbacher * Grace Catherine Chambers ** Jeffrey Hsien-Ho Chiu *** Alexander Michael Covington *** Benjamin Thomas Dolensky *** Timothy G. Harrison Jay Olen Howell * Zixin Jiang *** Grant Edward Kennedy Derek Evan Kielty *** Seth Jordan Kimbrell Hung Nhat Le Brent Williams Limyansky *** William Calvin Millar *** Patrick William Panuski *** Alan Michael Pohl Ramprasath Rajagopal ** Shivang Sullere *** Michael David Waterbury ***

CHEMISTRY

Chinenye Thelma Ananaba Shani Badnani David Miguel Caro *** Max Henrik Dorn * • Kelly Christine Gamble *** Kyle Graham Klosinski Sarah May-Yi Lau *** Maeve Patricia Nagle *** Kristy Southysa Syhapanha ** Nicolas Edward Watkins ** Sandra Meghan White ***

Steven Sidney Tison *

College of Engineering Bachelor of Science

COMPUTER ENGINEERING

R. Chase Adams *** • Δ Shivam Agarwal Matthew David Arceri II* Carden Taylor Bagwell Christopher Michael Beaulieu *** Daniel Thomas Begasse • Kushagra T. Brahmbhatt ** Nicholas Patrick Buehler * • Yushan Cai * Jake Ross Campbell Michael Andrew Capone *** • Dalton Ryan Clark • Blaine Christian Costello *** Alex Devin Coyle Kirt Josh Daily Δ Kendra Jelaine Dodson * • Tyler Clay Drake Jane Kristine Erickson *** Kyle William Gale ** Pratik Gangwani Anupam Goli Matthew James Golino Joseph Robert Gustainis Jordan Alexander Hartney • Gina Marie Holden • Brent Michael Hornilla Baishen Huang *** Jennifer Katherine Hunter *** Jin Ha Hwang *** Lydia Ann Hylton *** Samuele Blake Jackson *** Austin Hajoon Jang Arnav Jindia Anthony Philip Jones *** Hunter John Kauffman Nathan Frederick Kirksey *** • Michael Roman Kuchnik *** Prachi Rajeev Kulkarni *** Soradhmuny Christopher Lanh *** Robert Kuhwa Lee ** Weiyu Li *** Jason Mar ** Taylor Wyatt Meares *** Δ Harsha Prasad Nori ** Tharangini Palanivel * Δ Dominique Julius Paster *** • Namrata Khushvadan Patel Sunny Sanjay Patel ** Vaidehi Hitesh Patel ** Marius Petrut *** Jay V. Poddar ** Kevin M. Powell • Xiaofei Qiu ** • Ye Oiu *** Ryan Mackenzie Quinn Thomas W. Saekao Arnav Chandra Sarma ** •

Emily Alvis Shibut *** • Ashutosh Singh * Ratchapong Tangkijvorakul *** Kassandra Margaret Texidor Jared Adonis Thompson Le Uyen Tran *** George Okechukwu Udeochu Ikenna Chibuisi Uzoije * Christopher Joseph Wang *** Sophia Gabrielle Wasserman • Paul Lawrence Wilson III * Philip James Wolfe ** Matthew Jordan Wright Hanjie Xie Liuxizi Xu *** Yuanzhe Xu ** Michelle D. Zhang Adam Taylor Zuravleff

NUCLEAR AND RADIOLOGICAL ENGINEERING

Nicholas Dean Alfred ** Joseph McEntire Black * Cody Albert Breitkreuz ** Chad Douglas Burns ** Michael Lee Campbell Ashton Rhett Coleman Isaac Daniel D'Agostino Mclean Hamilton Davies *** Connor William Donovan *** Adnan Nafiz Hashim Zachery Robert Hein * Mary Elizabeth Peters *** Danny Allen Rawl Jr. Timothy Ryan Seager Kumar Singh * Christopher Johann Teufel Jakob Cole Wetmore Dustin Yang *

CHEMICAL AND BIOMOLECULAR ENGINEERING

Brandon Tyjuan Abernathy Peyton Mae Airington *** • Caleb French Anderson *** Evan Patrick Anderson Tyler Colin Arfman * Griffin Edward Asher Moriah Renee Bacon Austin Lawrence Bailie *** • Amanda Nicole Barton Emily Rachel Benjamin *** Gregory Robert Benz *** Sally Regina Blair ** John Robert Brawley Eun Sun Choi Yoona Choung *** Eric Chu *** Nathan Stuart Corbin *** Luis Carlos Corredor * Yoel Rene Cortes-Pena ***

Poonam Pradip Dalwadi Jacob Aaron David ** Taylor Alexander Dekle ** • Ankit Dhal *** James Keith DiLorenzo ** Ioshua Norman Durnell Nolan Thomas Easterbrook ** Eric David Ellenbogen ** • Nathan Patrick Ellison • Roger Leonardo Espinosa Cabrera ** Matthew James Howell Everett *** Rebecca Marie Fath • Robert Andrew Finlayson Deonte Demetrius Fletcher Christopher Lemuel Fraser Scott Michael Glover *** • Jin Wai Goh *** Justin Scott Goldberg ** Mihier Janak Gore Jungmin Han ** Keri Anne Hannukainen *** Christopher David Hoffman Kimberly Michelle Hollis * • Amy Elizabeth Holt ** • Pouria Hosseini *** Tiffany Yu Huang *** Julia Katherine Huey Junyoung Hwang *** Jared Alan Hybart Byungill Jang ** • Jackson Patrick Jenkins *** Roy Jiang * Yiling Jiang *** Shuang Jin *** Austin David Jones Pooja Prakash Kapadia *** • Jared Alexander Kearns *** Rashin Khodaei Minh Quang Kieu *** Eric Young Soo Kim • Seung Yeon Kim *** Jared C. King *** Jonathan Wolcott Kinney *** • Siri Kore ** Rowan Elyse Kraft *** Veena Priya Krishnan *** • Yoon Sik Lee George Ira Lindy *** Zhe Liu *** Valeska Lara Lobo Jacob Sterling Mason ** Graham Thomas McAllister *** Sonva Kelsev McCanna * Thomas Frederick McClure *** Morgan Ivey Meilinger *** Jamilah Aneesah Middlebrooks Wout Stijn Cedric Moulin *** Orayne Antonio Mullings Victor Ndayambaje * Truc The Nguyen Chase Tyler Nicholson ***

Aloysius Davin Oetomo *** Chinelo Ononye Kanak Jugal Pansari Kyungtae Park * Akash Shilpesh Patel ** Krishan Satish Patel *** Deborah Michelle Paul *** Vivek Krishnadas Pisharodi * Marissa Morgan Pittard ** Kristin Virginia Presnell *** Christian Michael Pugh Daniel Franklin Puleri *** Madison Paige Raese ** • Taylor Brett Raese Rupa Lakshmi Ramamurthi • Jamar Malik Rashard Rawls Alizeh Aziz Rehman Paul Gilmore Robertson Nathaniel Brian Robinson *** Christian Rodriguez Daniella Iris Santiago Horta • Apoorv Saraogee *** David Mahlon Schilpp ** Jessica Eve Schlafstein Brendan Robert Schmidt *** Danesh Shamsi *** Tianyu Shi *** Jae Ho Shin ** Adam Daniel Silverman *** Lesline Sophraune Sipewou Djouwe Ram Chandra Siwakoti Jonathan Luke Slater *** Yoon Seok Daniel Sohn * • Samuel Thomas Starcevic *** Perry Buchanan Stoddart ** Samuel Joseph Swanson ** Brandon Alexander Tavenner Stephane Harrol Ngassa Tcheimou ** Zachary Kent Thomas ** Arjun Tikku *** Andrew Wheeler Tricker *** Lara Elizabeth Tucci *** Mary Piper VanAlten * Vy Ngoc Phuong Vu Benjamin Stuart Wallis Jessie Logan Walls ** Anna Lucille Ward Gerald Caleb Wethington * Charles Christopher Winslow *** Jiangyang Xu * Zongzhe Xue Christine M. Yee *** Yinzhou Yu ** Seonguk Yun Ruiyang Zhao ** Lingrui Zheng

Kraivin Chayangpath ***

ELECTRICAL ENGINEERING

Muhammad Abdullah Naeem * Paul Ray Luke Adams *** Shakib Ahmed Alexander Brooks Akins *** Andrew Clay Akridge Michael Woldegiorgis Alemayehu Rishabh Ananthan * Darius Shawn Asadian Jonathan Pradeep Austin ** Varol Burak Aydemir *** Kylene Guerin Barut * Victor Hugo Benavides Edlawit Admassu Bezabih Christopher Henry Bissell *** Garren Dayn Boggs *** • Elisabeth Sarah Bradley *** • Allen Seth Braun * • Arthur Thanh Bui Steven Warren Burg *** James Kyle Burt Adam Patrick Carl Young Chang Ci Chen *** Guanlin Chen ** Jeffrey Hsien-Ho Chiu *** Sherwood Xiao Yang Chuang Darren Andrew Clayton Samuel Colton Cornwell • David Kenneth Cox Mallorye Camille Crowell Nathan Windsor Daniel ** Evan Lewis Tomas Davies ** Like Deng *** • Enmao Diao *** Alan Wang Dong *** George Chaoyi Dong * Markus Seth Eaton *** • Scot Montgomery Edwards Christopher Daniel Fadden ** Kamran Russell Fardanesh * Joseph David Fiddelman • Jerry Jean Fontus * • Aditya Garg *** • Michael Leone Gilbert Michael Charles Gordon ** • Anteneh Tesfaye Haile Michael Alexander Haver Xuanke He *** Myles Bradley Hebert *** • Michael Lawson Hennessy ** • Nicole Felicia Henry William Wade Herren ** • Jinming Hu *** Alice Huynh ** • Hyeon Ki Jeong *** Xiaotong Jia *** Laura Marie Jones *** • Adam Khalil Kahin Soheui Kang ** Wondewosen Mesafint Kihinet *

Thomas Joseph King *** • William Thaddeus Koskiewicz Nicholas Ian Kratzer Brian David Kuo * • Philippe Camille Laban *** Jaewon Lee *** Alec Sean Li *** Jiayi Li *** Zhen Xin Li Ziran Ling *** Casey Michael Lively Maria Julie Maenza *** Van Ceu Mang * Dempsey Handly Marks James Christian Mateyk ** • Michael Raine Mathis Luke Colin McCauley Rindawati McEntaggart • Alexander Lee Merriweather • Heather Lee Mills • Alfredo Monzalvo Jr. Erik George Moore • Joseph Coleman Morris Jr. * • Chryssia Natalia *** Jamey Lewis Newsom Keith Ng Thanh-Phong K. Nguyen *** Dickson Omoruyi Nosegbe Matthew Robert O'Shaughnessy *** • Abdallah Obidat *** Sean David Oliver *** Denis Onwualu Garrett Randel Osborne * Huijie Pan *** Patrick William Panuski *** Andy Park • Ryan Peng * Yao Peng * Christopher Perry-Arroyo Patrick Mompoint Pierre Christopher Michael Price Joshua Michael Raboud Ramprasath Rajagopal ** Carlos Enrique Ramirez Vasundhara Rawat ** Andrew David Ross *** • Iacob Blair Schodowski * Payman Shabbaki Joel Lee Shearon *** Christopher Sheng *** Madeliene Corinne Sheppard Guangchu Shi Taeyong Shin * Yo Shua *** Ravinderjit Singh *** Dylan C. Slack *** Devin Paul Slater Mark Dahhyun Song • Gregory Brandon Stein * • Andrew James Swartz *

Mohit Tandon *** Colin Philip Tardrew • Jason Michael Teague Lee Austin Thompson *** Kitti Tiamsuwan ** Paul Jeffrey Trail Jonathan Eric Tuck *** Abhinav Uppal *** George James Vellaringattu *** Nghia Tan Vo ** Abdul Waheed Locksly Asher Walford *** Eric Charles Walk ** Yichen Wang *** Nicholas Kenneth Warren • Mohammed Washim Amanda Jameé West *** Franklin Carter Wexler II • Sheng Xiao Dong Wook Yang * Jacob Jaesuk Yang *** • Hanbin Ying *** • Jonathan Andrew Young Δ Yuanda Zhu ***

MECHANICAL ENGINEERING

Mubeen Ahmad * • Kiarash Ahmadi **James Dominic Airola** Vedant Ajmera ** Colin James Alderman • Obiora Kachi Anachebe *** • Ross Matthew Anderson Christine Elizabeth Apicella *** Ninaad Balachandran *** Aditya Balamuralikrishna John Patterson Barnett Connor Alexander Bashinski DeAndre Quantez Baynham Morgan Gray Bentley ** • Neel Kamlesh Bhalani Nathan Taylor Bieberdorf ** • Hubert Michael Blanchard IV ** Tiago Clementino Cerqueira Boavida * Ja'el Revona Bond James Lawrence Bonifield ** Edward Palmer Booth *** • Δ Magdalen Rosemary Boylan Sung Hwan Braswell Jonathan David Buckner Richard Paul Buellesbach *** • Sivao Cai * Lee Singley Caldwell Ryan Edward Calhoun * • Cody Lee Carpenter *** • Logan Allen Carpenter *** Jonathan M. Carroll * • Jarrett Hine Chai Δ Abram Edward Champion ** Siu Lun Chan ***

William Reese Cherry * • Venkatesh Prabhukumar Chinnakonda *** Steven Pang-Chi Chiu Kevin Hyeong Jun Cho * Seong Ho Cho Jae Hoon Choi Kweonhoon David Choi Amy Beatrice Christensen ** Arthur James Clark *** Xerxes Xavier Clayton Cody Michael Clegg ** Cameron David Clifford Brandon Davis Conner * Emily Rebecca Contorno Rvan Michael Copeland *** Jonathan Matthew Cordova *** Preston Davis Culbertson *** Michael Thomas D'Abate Ruonan Dai Andrew Paul Daiber Scott Robert Damerow *** Evan Lewis Tomas Davies ** Lincoln Mallory Davis *** Austin Denworth Dewees Luis Fernando Diaz *** Mark Dylan Dickert ** Andrew Brian Dill • Alexandra Diorio JaneyGrace Dobbs *** • Ryan Matthew Doll Gregory M. Duerkoop Melvin Tharon Dukes Rahul Dungarwal *** Patricia Lynn Dunlevy *** Kayla Akilah Patricia Dunn * Alexander Loyd Eaker Joshua Prince Ebin *** John Casey Edgerton ** Patrick Chance Eldredge * Andrew James Evert *** William Andrew Farr • Kyle Andrew Fee Kelvin Ferbianto *** Alexander John Ferreira ** Elliott Thomas Fretwell • Erica Shanetta Gabriel Nicole Marie Gantos *** Joseph Marlin Garcia Brian Lee Gerdes Jackson Thomas Gilbert Ioshua Steven Giles • Pranav Vinayak Godbole Yash Sandeep Gore Scott Michael Gorham Smit Divyang Goswami Dustin Bradley Graham Garand Tyler Grainger Brad Daniel Greeson Andrew McKinney Hallacy **

Sang Yun Han *** Iman Haque *** Mitchell Christian Hardman * Lance O'Reilly Harrell Terrence Anthony Hawthorne Katherine Margaret Helm $\bullet \Delta$ Kurt Edward Hertz *** Davis Wenham Hoffman *** • Nicholas Ryan Holbert James Matlock Hurt Gregory Richard Hutcheson Margaret Anne Hyde ** Jessica Breanna Imgrund ** Andre Jose Irizarry Vishnu R. Iyengar *** • John Michael Jabour *** Pratik Bothra Jain Tae Joong Jeong * Joshua Alan Johnston ** David Scott Jones Jr. Gary Alan Jones • Joy Grace Jones • Ryan Daniel Judson * • Inseung Kang *** Nishanth Kathirvel *** Bharat Kathpalia *** Matthew Joseph Kavney *** • Trent Alexander Keatley * Ariana Jacqueline Keeling *** Colin Clancy Kelsall *** Rehan Rais Khan Trenton Edward Kilbey * •

Chulyong Kim *** Evelyn Hana Kim Inkyu Kim *** Jueseok Kim Sahn Kim Ming Him Ko *** Ravikanth Konjeti * Victoria Ann Kopser • Kevin Kotharu * • George Joseph Kudyba Andriy Kyrychenko Timothy Soowan Kyung Hyun Joo Lee Kwon Sang Lee *** Seung Yoon Lee ** Caitlin Indah Leksana *** Andy Lingxi Li Emily Lily Li ** Sebastian Marcos Li • Zhaocheng Li • Catherine Niccole Lide ** • Sean Thomas Lipinski * Hannah Katherine Littmann *** • Tiffany Porter Liu Logan Gray Lott Cam McCauley Loughlin *** Mu Lu *** Yanglong Lu *** Camila Sayuri Luppi Sato *** Ahmed Mansour-Elsayed *** Marguerite Ellie Matherne *** Nicholas Walter Maurer ***

Christopher Edwin May *** Joseph T. May ** Patrick Joseph McCarty * Garrett Mark McClurg • Kenneth Alford McCrary Benjamin Evans McCrossan * James Patrick McGowan ** Hayden Matthew McKinley • Connor Korab McNally *** Jash Darshan Mehta Anthony Christopher Melatti ** • Patrick Angelo Milano *** Heather Elise Miller *** Ji Hong Min John Paul Minderman *** Asgeir Mogensen Sergio Monroy ** Alyssa Marie Monserrate *** Vontravis Lynnquell Monts Andrew David Moore Zachery Alexander Moore Austin Michael Morgan Lauren Ann Murphy *** Andrea Mycroft *** Kabir Nakra *** Jesse Thomas Neal Richard Paul Nelson Lily Vi Nguyen * Tommy Hoang Nguyen * Phuong Quoc Ninh ** Casey Patrick O'Connor ** Akap Victor Oben *

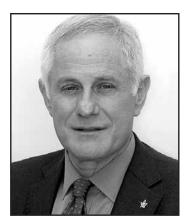
Ryan Christopher Obery *** Nicholas Lee Oliver Miguel Alberto Oller *** Michael Lewis Ozeryansky John Francis Papayanopoulos *** Jong Hoo Park Arpit Dilip Patel ** Vijal Dinesh Patel Yash Yogesh Patel ** Robert Louis Pensa ** Aaron Francis Pfeifer *** Công Lý Joseph Pham Evan Stewart Phillips ** Michael Patrick Phillips Rohan Ben Phillips ** Brodie Scott Philp ** Harrison Phung *** • Alexander Brett Plum *** Gerardo Esteban Prada * Leonardo Felipe Prinzi ** Laura Beth Prosser * • Mathias Quatorze ** Shriya Raje * Keshav Ramakrishnan Pratyush Raman Jayanta Krishna Ray *** • Christian Larau Redondo Stephen Michael Rehberg Devin John Roach ** • Danielle Rosenblatt ** Gonzalo Andrew Salazar ** Christina Marie Santilli

Soleil S. Schatteman *** Nicole Yap Scheinbach Lionel Colvin Russell Scott Nicholas Stearns Selby *** Paige Andrea Selent ** • Aayush Alkesh Shah *** Alyssa Marie Shapiro ** Matthew Thomas Sheahan *** Steven Michael Shlapak Tyler Cole Simpson Maxwell Edward Singleton * • Thomas Alexander Smith Stephen Charles Snyder • Liam Jagat Singh Sohi ** David Mathew Soll Hyeon Ik Song *** Won Sup Song *** Manuel Alejandro Soto *** Troy Austin Southwell Reid Anderson Spence *** Michael Brooks Stapleton ** • David Samuel Bura Steinhoff *** Bryan Curtis Stern Sean Luke Stockfish Zhifeng Su Sr. *** Saul Andres Suarez ** Nicholas Mark Sulimirski • Yueyi Sun *** Edmond Sysomboun *** • Je Hon Tan *** Joseph Asher Tenpenny ** Bradley Stephen Thomas *** •

Jimmy Trey Thomas Siddharth Tripathy *** Chiu Johnson Ng Trump * Gregory George Tuayev-Deane *** Sara Lydia Tuell * Louise Emille Quiroz Tungol • Margaret Anne Underdahl Charles Albert Van Fleet IV Michael Anthony Varghese * Austin Propus Veith *** Elizabeth Anne Tisler Vencill *** Ankit Verma Santiago Felizardo Vivanco Cody Allen Vlaun * Joshua Caleb Wade *** Patrick Vance Wang *** Yuhao Wang *** Noel Joseph Webber ** Yi Wei *** Frazier Nelson Woodruff *** Cole William Wright ** Fisher Dean Wright ** Mark Daniel Yaksh James Li-Chuang Yan ** Mo Yang *** Dong Yeon Yoo ** Patrick Aziz Younes *** Shuhuan Yu Kathryn Elizabeth Zissou •

Colleges and Primary Units of Georgia Tech

COLLEGE OF COMPUTING



ZVI GALIL, Ph.D. Dean, College of Computing

The College of Computing has been expanding the boundaries of computing and its applications since 1990. Now consisting of three schools — Computer Science, Interactive Computing, and Computational Science and Engineering — the College pushes the boundaries of knowledge far beyond the traditional world of programming, not only recognizing but also championing all platforms and applications. The College also is a recognized global leader in transforming computer science education, first through its muchcopied Threads curriculum for undergraduates, and more recently with its online Master of Science in Computer Science, the world's first graduate degree program delivered via the "massive online" platform.

The College is home to multiple interdisciplinary research centers, including the GVU Center, the Center for Experimental Research in Computer Systems, the Algorithms and Randomness Center, the Center for Startup Engineering, and the Center for High Performance Computing. It also plays a central role in several of Georgia Tech's interdisciplinary research units, such as the Institute for People and Technology, the Institute for Robotics & Intelligent Machines, and the Institute for Information Security & Privacy. More than 6,000 students are enrolled in the College, including more than 2,000 undergraduates and 4,000 residential and online graduate students.

IVAN ALLEN COLLEGE OF LIBERAL ARTS



JACQUELINE JONES ROYSTER, Ph.D. Dean, Ivan Allen College of Liberal Arts

Ivan Allen College of Liberal Arts alumni are sought after for analysis and innovation in complex problem solving linking science and technology to social concerns. Graduates from the College's B.S., M.S., and Ph.D. degree programs assume leadership roles in law, industry, government, education, and the non-profit world.

Named for former Atlanta Mayor Ivan Allen Jr., the College is internationally recognized for curricula and research in the fields of digital media and interactive game design, educational technologies, history and sociology of technology, Internet governance, international economics, international security, the advancement of women in science and engineering, environmental policy, and technology policy. It offers international language and culture programs including its signature Languages for Business and Technology Program. The College is also the home of Georgia Tech's Army, Navy, and Air Force ROTC units.

COLLEGE OF ARCHITECTURE



STEVEN P. FRENCH, Ph.D. Dean, College of Architecture

The College of Architecture combines progressive design with engineering. Students, faculty, and researchers in the Schools of Architecture, Building Construction, City and Regional Planning, Industrial Design, and Music work across boundaries and physical scales, from cities to buildings to systems. The College is a cultural center of creativity and frequently hosts world-class performances, exhibitions, and lectures. Approximately 800 graduate and undergraduate students are enrolled in the College of Architecture, and roughly 1,200 students — representing all colleges at Georgia Tech — enroll in music courses each semester. Alumni of the College work all over the world and are leaders in their fields. One of the top three producers of research nationally among schools of architecture and the arts, the College is home to research initiatives that range from developing simulation models for building efficiency to radical new ways of listening to and composing music, and are sponsored by corporate, nonprofit, and government agencies including the National Science Foundation, the U.S. Military Health System, and major software developers, among others.

ERNEST SCHELLER JR. COLLEGE OF BUSINESS



most highly respected business programs in the nation since it was established more than a century ago. Today, the College offers full-time, evening, and Executive MBA options, as well as undergraduate and Ph.D. degrees, to approximately 2,000 degreeseeking students each year. As technology continues to reshape the business world, the

The Scheller College of Business

has earned a place among the

value of a business education at the Scheller College is more important than ever before. With world-class faculty and staff, the College plays an important role in closing the gap between available skills and marketplace needs. Leveraging the Institute's considerable strengths, Scheller students gain a deep understanding of innovation in business at the leading edge of business mega-trends including globalization, business analytics, managing technology, and sustainability. Scheller College is committed to developing principled, analytically and entrepreneurially minded leaders who will solve the business and societal challenges of today and tomorrow.

COLLEGE OF SCIENCES

Dean, Ernest Scheller Jr. College of Business



PAUL M. GOLDBART, Ph.D. Dean, College of Sciences

The College of Sciences leads Georgia Tech's charge to create fundamental new knowledge in the sciences and mathematics. Together, Sciences students and faculty boldly explore natural and artificial worlds, not only to reveal and underpin the technologies of tomorrow, but also to advance the quality of human life and elevate the human spirit.

The College nurtures students who are intellectually curious, inspiring them to build for themselves empowering foundations in the natural, mathematical, and behavioral sciences. We transport them to the frontiers of human understanding, and we invite them to participate in pushing those frontiers forward by undertaking high-impact research in collaboration with world-class faculty in state-of-the-art facilities.

College of Sciences graduates are well honed in thinking critically, testing hypotheses, and engaging with others to unravel complex problems. They draw conclusions, reach decisions, and make judgments about nature through the enthralling interplay of data, reason, and imagination. They are indispensable in ensuring that the basic knowledge pipeline for new technologies is full and flowing.

From the invention of Elmer's glue and the polymerase chain reaction to the discovery of flowing water on Mars and the detection of gravitational waves, Sciences students embody the value and rewards of scientific curiosity shaped by careful mentoring and deep respect for how much of the world we still must discover and understand.

COLLEGE OF ENGINEERING



GARY S. MAY, Ph.D. Dean, College of Engineering

From the opening of the Institute and the establishment of the School of Mechanical Engineering in 1888, the College of Engineering (CoE) has continually grown. Today, the college incorporates eight engineering schools with a full-time enrollment of more than 13,000 undergraduate and graduate students. The College consistently ranks among the top 10 engineering schools in the country, both in undergraduate and graduate education. CoE is the largest college of engineering in the country and

is number one in the production of women and minority engineers.

The current dean, Gary S. May (1985), is an alumnus of the College. Other prominent alumni include: G. Wayne Clough (1965), former secretary, The Smithsonian Institution and former Georgia Tech president; Ronald Wayne Allen (1964), former chairman and CEO, Delta Air Lines; Michael T. Duke (1971), former president and CEO, Wal-Mart Stores Inc.; Philip M. Breedlove (1977), Supreme Allied Commander of NATO; Walter G. Ehmer (1989), president and CEO, Waffle House; Eric Boe (1997), Shane Kimbrough (1998), Sandra Magnus (1996), and John W. Young (1952), NASA astronauts; Lewis Jordan (1967), ValuJet co-founder and former CEO; H. Milton Stewart (1961), former chairman and CEO, the Standard Group Inc.; and George W. Woodruff (1917), philanthropist. CoE has almost 98,000 alumni living in 120 countries around the globe.

GEORGIA TECH PROFESSIONAL EDUCATION



Education (GTPE) allows working professionals and industry partners to access the expertise of a world-renowned technological research university. An academic division of the Georgia Institute of Technology, GTPE delivers a continuum of learning consisting of an ongoing array of educational courses, professional master's degree programs, and industry partnerships.

Georgia Tech Professional

Program participants experience unparalleled professional instruction, with content and delivery engineered for practicality, flexibility, and convenience. Taught by top faculty and leading industry experts, GTPE courses are relevant and immediately applicable in the workplace. Offerings include an expanding range of easily accessible degree programs and short professional development courses. GTPE also hosts English as a second language skills enhancement studies, communityspecific outreach, and learningcentered meeting and conference facilities.

NELSON C. BAKER, Ph.D. Dean, Georgia Tech Professional Education

GEORGIA TECH LIBRARY



CATHERINE MURRAY-RUST, M.L.I.S. Dean and Director of Libraries

The Georgia Tech Library is recognized internationally for robust digital services, student engagement initiatives, transformation of physical spaces, and innovative programming and services. Millions of books, journals, technical reports, government documents, maps, videos, popular reading, science fiction, and other items are available via the Library. The Library's website features access to hundreds of databases and thousands of books, e-books, scholarly journals and e-journals, reports, electronic dissertations, discipline and course-specific research guides, and much more.

With more than 750,000 visits to the website, more than 4.7 million searches and full-text content accessed, and 1.3 million on-site visits annually, the Library's services and resources are heavily utilized by the Georgia Tech community.

For students, the Library is a 24/7 gathering place — cultivating intellectual inquiry, promoting academic discourse, and fostering knowledge. For faculty, the Library

supports world-class advancements in teaching and research.

The Library also manages the G. Wayne Clough Undergraduate Learning Commons, a building dedicated to student academic enrichment and innovative learning opportunities. The Clough Commons is a popular 24/7 destination for students with more than 2.4 million visits annually.

OFFICE OF THE EXECUTIVE VICE PRESIDENT FOR RESEARCH



STEPHEN E. CROSS, Ph.D. Executive Vice President for Research

The Office of the Executive Vice President for Research was created in 2010 in support of Georgia Tech's strategic vision and plan. It provides leadership and strategic direction to the entire Georgia Tech research enterprise to create transformative research opportunities, to strengthen collaborative partnerships, and to maximize Tech's economic and societal impact across the research enterprise and around the world. Direct reporting units include nine interdisciplinary research institutes, the Georgia Tech Research Institute (Tech's applied research arm since 1934), the Enterprise Innovation Institute (the nation's largest universitybased economic development and industry assistance organization), the Georgia Tech Research Corporation (Tech's internationally renowned affiliated organization that oversees contracting and licensing), and the Office of Industry Collaboration (created in 2013 to coordinate increasing large company partnerships and large federal awards involving industry collaboration).

DIVISION OF ADMINISTRATION AND FINANCE



STEVEN G. SWANT Executive Vice President for Administration and Finance

The Division of Administration and Finance leads, supports, and enables institutional effectiveness by providing strategic and responsive administrative, financial, information, and physical infrastructure services for Georgia Tech. The approximately 1,700 employees of Administration and Finance provide administrative and physical infrastructure services to support Georgia Tech's students, faculty, and staff — the platform for the Institute's continuing success in achieving its mission of teaching, research, and economic development. Administration and Finance has responsibility for Georgia Tech's fiscal integrity, and accountability for budget, revenues, expenditures, and money management to the president, Board of Regents of the University System of Georgia, state and federal government, other public and private sponsors, Institute constituents, and the public.

GEORGIA TECH ATHLETIC ASSOCIATION



MICHAEL A. BOBINSKI Athletic Director

At Georgia Tech, academics and athletics truly do mix, and the Institute is rich in both traditions. Tech's 15 intercollegiate athletic teams — managed by the Georgia Tech Athletic Association compete at the NCAA Division I level as a member of the Atlantic Coast Conference, a league that places high emphasis on academics. Memorable alumni include Robert Tyre "Bobby" Jones, 1930 winner of golf's Grand Slam; Olympic track gold medalists Angelo Taylor, Antonio McKay, Derrick Adkins, and Derek Mills; basketball standouts Chris Bosh, Mark Price, and John Salley; baseball greats Mark Teixeira, Nomar Garciaparra, and Jason Varitek; professional golfers David Duval, Stewart Cink, Matt Kuchar, and Ollie Schniederjans; NFL players Calvin Johnson and Demaryius Thomas; and 18 members of the National Football Foundation's College Football Hall of Fame.

Tech athletes have been led by legendary coaches such as Bobby Dodd, 1945-66; John Heisman, 1904-19; William Alexander, 1920-44; John "Whack" Hyder, 1952-73; and Bobby Cremins, 1982-2000. Intramural sports are available to all students. More than 20 activities, ranging from crew to weight training, are offered.

The President's Cabinet



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SUSAN E. COZZENS Vice Provost for Graduate **Education and Faculty** Development



STEPHEN E. CROSS Executive Vice President for Research



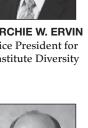
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Welcome to the Georgia Tech Alumni Association

As a Tech graduate, you are now automatically a member of the Georgia Tech Alumni Association, an exclusive network of more than 147,000 alumni worldwide bonded by the shared experience of Georgia Tech.

The mission of the Alumni Association is to promote and serve our alumni and the Institute. We continually create relevant and meaningful programs for alumni to foster lifelong participation and philanthropic support. Through your membership, you will have an immediate connection to the valuable asset of Tech's exclusive, global alumni network. Other benefits include career-related services such as networking and job listings, geographic network groups, special events, volunteer leadership opportunities, alumni travel, the Georgia Tech Alumni Magazine, and Buzzwords, the monthly email update about Tech.

For 69 years, the Georgia Tech Alumni Association has raised money to financially support this world-class institution. Monies donated by alumni through the annual Roll Call support the academic mission of Tech. Projects such as Technology Square and the Campus Recreation Center vividly illustrate the impact of Roll Call. It's a tradition that has transformed Tech into the institution it is today and yet another reason why Georgia Tech is the right choice for so many academically gifted students.

Log onto GTALUMNI.ORG to begin receiving all of the free benefits associated with your membership. With this new alumni portal, you can customize your preferences, register for events, network with other alumni in your geographic area or profession, take advantage of career services, and much more.

THE ALMA MATER

Music by *Frank Roman* Words by *I.H. Granath*

Oh, sons of Tech, arise, behold! The Banner as it reigns supreme, For from on high the White and Gold Waves in its triumphant gleam. *The spirit of the cheering throng* Resounds with joy revealing A brotherhood in praise and song, In memory of the days gone by. Oh Scion of the Southland! In our hearts you shall forever fly. We cherish thoughts so dear for thee, Oh, Alma Mater in our prayer. We plead for you in victory, And in the victory we share! But when the battle seems in vain Our spirits never falter, We're ever one in joy or pain And our union is a lasting bond. Oh! May we be united *Till the victory of life is won.*

THE RAMBLIN' WRECK

I'm a Ramblin' Wreck from Georgia Tech And a hell of an engineer A helluva, helluva, helluva Helluva, hell of an engineer. Like all the jolly good fellows, I drink my whiskey clear. I'm a Ramblin' Wreck from Georgia Tech And a hell of an engineer.

Oh! If I had a daughter, sir, I'd dress her in white and gold And put her on the campus To cheer the brave and bold. But if I had a son, sir I'll tell you what he'd do— He would yell "To Hell with Georgia" Like his daddy used to do. Oh! I wish I had a barrel of rum And sugar three thousand pounds, A college bell to put it in, And a clapper to stir it 'round. I'd drink to all good fellows Who come from far and near. I'm a Ramblin', Gamblin' Hell of an engineer.



CREATING THE NEXT®

Georgia Tech

This publication is printed on paper that is FSC Certified and produced with 10% recycled material. Georgia Tech is committed to environmental sustainability. Please recycle this publication.