Presiding Officials

Satish K. Tripathi
University President

An internationally distinguished researcher and higher education leader, Satish K. Tripathi, PhD, was appointed the 15th president of the University at Buffalo in 2011.

Tripathi, who served as UB’s provost from 2004-2011, was dean of the Bourns College of Engineering at the University of California-Riverside from 1997-2004. Previously, he spent 19 years as professor of computer science at the University of Maryland, including seven years as department chair.

Tripathi graduated at the top of his class from Banaras Hindu University in India and holds a doctorate in computer science from the University of Toronto, as well as three master’s degrees—one in computer science from the University of Toronto and two in statistics from the University of Alberta and Banaras Hindu University. A fellow of the IEEE and the American Association for the Advancement of Science, he was awarded an honorary doctorate from the Indian Institute of Information Technology, Allahabad.

An active leader in the national higher education community, Tripathi serves on the boards of the Association of American Universities, the Association of Public and Land-Grant Universities, the Council for Higher Education Accreditation, and the Digital Preservation Network, as well as the Mid-American Conference’s Council of Presidents Executive Committee. He was appointed by Governor Andrew M. Cuomo as co-chair of the Western New York Regional Economic Development Council.

Liesl Folks
Dean of the School of Engineering and Applied Sciences

Liesl Folks, PhD, MBA, dean of UB’s School of Engineering and Applied Sciences, is an internationally recognized expert in nanotechnology and magnetism. She holds 12 U.S. patents and is the author of more than 50 peer-reviewed technical publications. She is also a professor in the Department of Electrical Engineering.

Folks served as president of the IEEE’s Magnetics Society (2013/2014) and was a member of a congressionally mandated panel for the Triennial Review of the National Nanotechnology Initiative, facilitated by the National Academy of Sciences, in 2012.

She has an exemplary record of support for STEM education initiatives, from her promotion of innovative programs at the PreK-12 level, to her role in launching a magnetics summer school program through the IEEE, which provides summer study opportunities each year to nearly 100 graduate students from around the world. In 2013, Folks was recognized for her mentorship of science and engineering students with the national AVS Excellence in Leadership Award.

Prior to arriving at UB in January of 2012, Folks worked for more than nine years at Hitachi Global Storage Technologies, a hard disk drive company in San Jose, California. Before that, she worked at IBM Almaden Research Center, also in San Jose, for six years.

A native of Australia, Folks earned a BSc (1989) and a PhD (1994), both in physics, from The University of Western Australia in Perth, where she subsequently worked as a research fellow. She also holds an MBA from Cornell University (2004).
Program

Prelude

*Processional
Buffalo Brass Quintet
Pomp and Circumstance
by Sir Edward Elgar

Mace Bearer
A. Scott Weber
Senior Vice Provost for Academic Affairs, University at Buffalo

Banner Carrier
Katherine Czerniejski
Candidate for BS in Biomedical Engineering, BA in Mathematics

Herald
Jeffrey R. Errington
Associate Dean for Undergraduate Education, School of Engineering and Applied Sciences

Opening Declaration
A. Scott Weber

National Anthem
Kristen Smigieliski
Music in Performance
Buffalo Brass Quintet

Student Salutation
Sarah Jo Crotts
Candidate for MS in Biomedical Engineering

Welcome
Liesl Folks
Dean, School of Engineering and Applied Sciences

Presentation of Dean’s Award for Achievement
Liesl Folks

Student Address
Charles Jones
Candidate for PhD in Chemical and Biological Engineering

Recognition of Chancellor’s Awards for Student Excellence
Liesl Folks

Remarks
Satish K. Tripathi
President, University at Buffalo

Conferring of Degrees
Satish K. Tripathi

Alma Mater - Lyrics on page 27
Taryn Darnell
Music in Performance
Buffalo Brass Quintet

Closing Declaration
A. Scott Weber

*Recessional
Buffalo Brass Quintet
Procession from Aida
by Giuseppe Verdi

*Audience will remain seated during the Processional and Recessional.

Departmental Receptions
You are invited to receptions immediately following the commencement ceremony.
• Chemical and Biological Engineering:
  Student Union Flag Room, on the second floor
• Civil, Structural and Environmental Engineering:
  first floor of Davis Hall
• Computer Science and Engineering:
  Student Union, room 210
• Electrical Engineering:
  Salvadore Lounge on the second floor of Davis Hall
• Biomedical Engineering, Industrial and Systems Engineering, and Mechanical and Aerospace Engineering:
  Student Union, room 145

Wheelchair seating is available at both the front right and left side of the arena. A signer is present at the right front of the arena. Please see an usher for assistance.

Telephones and restrooms are available on all three levels.

The UB Mace

The mace is part of the medieval traditions of the university. It was originally a weapon used to protect kings, and then by 1200 became more and more a symbol of authority.

The UB mace is designed to tell the story of UB and the Niagara Frontier. Fashioned by silversmith Hudson Roysher of Arcadia, Calif., it was used for the first time in 1962. Engraved atop a miniature walled structure representing the City of Buffalo are three arrows bound together, symbolizing the unity of UB and the city.

Other details include symbolic representations of the discovery of Lake Erie in 1669 by Joliet and early explorations by LaSalle. A crest symbolizes UB’s role as a dynamic center of human growth and welfare. The motto “University and City Community” is lettered in Latin around the knob of the shaft.
Program Notes

**School’s Platform Party**
Luke Adams  
*Vice President, UB Engineering and Applied Sciences Alumni Association*

Stelios Andreadis  
*Chair, Chemical and Biological Engineering*

Stella N. Batalama  
*Chair, Electrical Engineering*

Kurt Bessel  
*President, UB Engineering and Applied Sciences Alumni Association*

Ann M. Bisantz  
*Chair, Industrial and Systems Engineering*

Gary F. Dargush  
*Associate Dean for Research and Graduate Education, School of Engineering and Applied Sciences*

Jeffrey R. Errington  
*Associate Dean for Undergraduate Education, School of Engineering and Applied Sciences*

Liesl Folks  
*Dean, School of Engineering and Applied Sciences*

Venugopal Govindaraju  
*SUNY Distinguished Professor, Vice President For Research and Economic Development*

Kemper E. Lewis  
*Chair, Mechanical and Aerospace Engineering*

Kris Schindler  
*Computer Science and Engineering*

Mettupalayam V. Sivaselvan  
*Civil, Structural and Environmental Engineering*

**Commencement Coordinator**
Christine A. Human  
*Associate Dean for Accreditation and Student Affairs*

**Herald**
Jeffrey R. Errington  
*Chemical and Biological Engineering*

**Readers**
Karthik Dantu  
*Computer Science and Engineering*

Andrew T. Olewnik  
*Mechanical and Aerospace Engineering*

Kris D. Schindler  
*Computer Science and Engineering*

**Lead Marshals**
Igor Jankovic  
*Civil, Structural and Environmental Engineering*

Jennifer L. Zirnheld  
*Electrical Engineering*

**Marshals**
Paschalis Alexandridis  
*Chemical and Biological Engineering*

Carl Alphonce  
*Computer Science and Engineering*

Matthew L. Bolton  
*Industrial and Systems Engineering*

Andrew S. Whittaker  
*Chair, Civil, Structural and Environmental Engineering*

Kevin M. Burke  
*Electrical Engineering*

Kerry Collins-Gross  
*Assistant Dean, Office of Undergraduate Education*

John Hall  
*Mechanical and Aerospace Engineering*

Ciprian N. Ionita  
*Biomedical Engineering*

James N. Jensen  
*Civil, Structural and Environmental Engineering*

Venkat Krovi  
*Mechanical and Aerospace Engineering*

Michael Langberg  
*Electrical Engineering*

Hui Meng  
*Mechanical and Aerospace Engineering*

Teresa Miklitsch  
*Senior Adviser, Office of Undergraduate Education*

Chase C. Murray  
*Industrial and Systems Engineering*

Johannes M. Nitsche  
*Chemical and Biological Engineering*

Pinar Okumus  
*Civil, Structural and Environmental Engineering*

Matthew J. Ringuette  
*Mechanical and Aerospace Engineering*

**SEAS Support Staff**
Susan Casucci  
Kathryn M. Doran  
James Friedman  
Jane Stoyle Welch

**Buffalo Brass Quintet**
Larry Easter  
*Trumpet*

Karl Kroetsch  
*Trumpet*

Dan Wittmer  
*French Horn*

Phil Sims  
*Trombone*

Craig Hodnett  
*Tuba*

**Ushers**
We acknowledge the assistance of our students and staff.
School of Engineering and Applied Sciences
Dean's Advisory Council

Michael J. Cadigan*, Chair
General Manager, IBM
Microelectronics, Systems and Technology Group

Patrick F. Abramii*
Consultant

Russell L. Agrusa*
Founder, President and CEO, ICONICS, Inc.

Ron Benczkowski*
Vice President-Engineering, Moog, Inc., Space and Defense Group

Dennis W. Elsenbeck*
Regional Executive, National Grid Upstate NY – West, Community and Customer Management

Joseph V. Fritz*
Chief Executive Officer, Dent Neurologic Institute

George L. Grobe
Vice President R&D, Vision Care and Surgical Products at Valeant Pharmaceuticals

Cynthia A. Hoover*
Director, Adsorption R&D, Praxair

Kenneth A. Kota*
Sr. VP, Business Development & Technology, Cobham Mission Systems

Hratch Kouyoumdjian*
Founder, President and CEO, The KPA Group

Maria C. Lehman*
Interim Director of Maintenance & Operations, New York State Thruway Authority

Susan R. Nowicki
Director of Engineering, Northrop Grumman Amherst Systems

John V. Pilitsis*
Co-founder, President and CEO (retired 2006), Cyoptics, Inc.

Frank J. Puskar*
Founder and Senior Consultant, Energo Engineering, a KBR subsidiary

John R. Pustulka*
President and Director, National Fuel Gas Supply Corporation

Michael Sinicropi
Executive Director, Safety and Engineering Services, Praxair

Stephen E. Still*
Founder and Managing Director, Seabury Airline Planning Group, LLC

Robert Tom*
Senior Director Product Engineering, Fisher-Price

James F. Van Oss*
Engineering Manager, Spacecraft Fluid Controls, Moog Inc.

Ann Wegrzyn*
Vice President, National Fuel Gas

*School alumna/alumnus

Student Organizations

Air and Waste Management Association
MaryKate Mooney, President

American Institute of Aeronautics and Astronautics
Tyler Szcesniak, President

American Institute of Chemical Engineers
Robert Pettitt, President

American Society of Civil Engineers
Jane Van Der Karr, President

American Society of Mechanical Engineers
M arawan Kenawi, President

Arab American Association of Engineers and Architects
Mohammed Saleh Al Obahy, President

Association for Computing Machinery
Margaret Arnold, President

Biomedical Engineering GSA
Elise Martin, President

Biomedical Engineering Society
Max Simon, President

Chemical and Biological Eng. GSA
Andrew Kroetsch, President

Chi Epsilon
Alexander Stephani, President

Civil Engineering GSA
Timothy Van Oss, President

Computer Science and Eng. GSA
Yunfei Hou, President

Earthquake Engineering Research Institute GSA
Basit Qayyum, President

Electrical Engineering GSA
Yanshu Li, President

Emerge
Joseph Degolia, Editor

Engineers for a Sustainable World
Connor Brown, President

Engineering Student Association
Briane Stasiak, Engineering Clubs Coordinator

Industrial Engineering GSA
Hernan Caceres, President

Human Factors and Engineering Society
Adam Houser, President

Institute for Electrical and Electronic Engineers
David Kishlar, President

Institute of Electrical and Electronic Engineering Robotics and Automation Society
Mark Tomaszewski, President

Institute for Operations Research and the Management of Science
Hernan Caceres, President

Institute of Industrial Engineers
Melina Guida, President

Mechanical and Aerospace Engineering GSA
Mark Tomaszewski, President

National Society of Black Engineers
Nolan Foster, President

New York Water Environment Association
Witktor Tomkiewicz, President

o-STEM
Anna Smith, President

Scientista
Sravanika Dodd and Wenxuan Shi, Co-Directors

Society of Automotive Engineers
Spencer Heyden, President

Society of Hispanic Professional Engineers
Kevin Carpio, President

Society of Women Engineers
Laura Devine, President

Students for the Exploration and Development of Space
Daniel Miller, President

Tau Beta Pi
Katherine Czerniejewski, President

Theta Tau/Gamma Delta Epsilon
Dwight Robinson, Regent

UB Computational Sciences Club
Mohammad Atif Faiz Afzal, President

UB Design Club
Zachary Janish, President

UB Nanosat
Seamus Lombardo, Program Manager

UB Robotics
Liam Flynn, President

UB Society of Asian Engineers and Scientists
Ricky Banh, President

UB Space Bulls
Kyle Thompson, Team Lead
Dean’s Award for Achievement

Each year, the School of Engineering and Applied Sciences (SEAS) gives its highest honor, the Dean’s Award for Achievement, to someone who has made a substantial contribution to the practice of engineering or the applied sciences and/or has had an exceptional professional career. This year, it is with great pleasure that the school honors Norman Hayes (BS EE ’80, BA CS ’80). Hayes is a Director of Engineering in AISCs, and a Computer Architect.

As a Buffalo area native, Hayes was co-valedictorian at Sweet Home Senior High School (Amherst NY) in 1977. Just three years later, he received a double degree from UB with a Bachelor of Science in Electrical Engineering and a Bachelor of Arts in Computer Science. Hayes continued his education at Cornell University, earning his master’s in Electrical Engineering in 1981, on a Bell Laboratories scholarship.

After completing his formal education, Hayes has made substantial technical and leadership contributions to three pioneering companies. The first was AT&T Bell Laboratories, a leader in world class R&D that invented the transistor, laser, and Unix. There he developed designs and technologies for some of the world’s earliest 32-bit microprocessors. He joined his first startup, Sun Microsystems, in 1988. At Sun, Hayes developed ground-breaking microprocessor memory management and cache architectures which scaled from desktop workstations to Sun’s largest packet-switched MP servers. These architectures continued through many generations, which eventually made mini and mainframe computers obsolete. He joined Juniper Networks as a startup in 2000, where he served as a Director of ASIC Engineering on several generations of networking chipsets, whose top interface speeds advanced from 2.5 Gbps to 400 Gbps during his tenure.

Hayes recognizes the role his UB education and experience had in preparing him for a rewarding and successful career. “UB gave me a solid, broad foundation of how to solve real world problems. UB’s faculty and leaders provided great personal examples of teamwork, creativity, and loving what you do.”

Since his graduation from the School of Engineering and Applied Sciences, Hayes has always been an enthusiastic alumnus. In 1995, he was delighted to become a charter member of the Delta Society, the school’s leadership annual giving society, and attended UB’s inaugural homecoming football game (a 14-7 win over Cornell) in President Greiner’s box. More recently, an engineering laboratory was named after Hayes in Davis Hall. In 2012, he was named Chairman of the Delta Society.

Outside of his professional career, Hayes plays ice hockey and tennis, and enjoys photography and the arts. He resides in the San Francisco Bay Area with his wife Jacqueline; their daughter Elena is a junior at UC Davis studying Management Economics.

The University at Buffalo is honored to name Mr. Norman Hayes an alumnus of great distinction, whose career achievements merit our highest regard.

Past Recipients of the Dean’s Award for Achievement

1978
James W. McLennon, BS IE 1950, DocHL (Hon) 1998
President, Volkswagen Manufacturing Corporation of America

1979
Wilson Greatbatch, MS EE 1956, ScD (Hon) 1984
President, Wilson Greatbatch, Limited

1980
Paul E. Mohn
Professor Emeritus and former Dean
School of Engineering and Applied Sciences
University at Buffalo

1981
James DeSerio
President, DeSerio Engineers

1982
Martin Kasbohm
Director, Research and Development
Linde Division, Union Carbide Corporation

1983
Charles M. Fogel, BS PHY 1935
Professor and Director of Industrial Liaison
School of Engineering and Applied Sciences
University at Buffalo

1984
William C. Moog, Jr.
Chairman and President, Moog, Incorporated

1985
Howard E. Strauss, MS ME 1954
Professor and Associate Dean
School of Engineering and Applied Sciences
University at Buffalo

1986
Gregory B. Jarvis, BS EE 1967, Awarded Posthumously
Hughes Aircraft Company
NASA Payload Specialist

1987
H. Robert Leland
President, Calspan Corporation

1988
Henry P. Semmelhack
President, Barrister Information Systems Corporation

1989
Gerald D. Albertson
Vice-President, Linde Division, Union Carbide Corporation
Past Recipients of the Dean’s Award for Achievement (continued)

1990
Ray W. Judson
President, The Parsons Corporation

1991
Sol W. Weller
Furnas Professor Emeritus
School of Engineering and Applied Sciences
University at Buffalo

1992
Lee H. Runk, BS IE 1961
President, Harvard Industries, Inc.

1993
Irving H. Shames
Distinguished Teaching Professor Emeritus
School of Engineering and Applied Sciences
University at Buffalo

1994
Robert H. Goldsmith, BS ME 1951
Chairman, President and Chief Executive Officer
Exten Industries, Inc.

1995
Hatim A. Tyabji, MS EE 1969, DocHL (Hon) 2001
Chairman, President and Chief Executive Officer
VeriFone, Inc.

1996
Anthony L. Russo, PhD ME 1969
Executive Director
Calspan-University at Buffalo Research Center (CUBRC)
Vice President
Calspan Corporation’s Advanced Technology Center

1997
Calvin C. Chien, MS CIE 1970, PhD CIE 1974
Environmental Fellow, DuPont Company

1998
Hiroshi Morihara, PhD ME 1971
Chairman and Chief Executive Officer, Peninsula Laboratories, Inc.
President, Via Press, Inc.
President, CGC, Inc.

1999
Eli Ruckenstein
Distinguished Professor
Department of Chemical Engineering
School of Engineering and Applied Sciences
University at Buffalo

John Zahorjan, PhD IE 1974
Adjunct Professor
Department of Industrial Engineering
School of Engineering and Applied Sciences
University at Buffalo

2000
Erich Bloch, BS EE 1952, ScD (Hon) 1985
Distinguished Fellow, Council on Competitiveness
Principal, Washington Advisory Group, LLC

2001
Henry Stone, BS ME 1949
Vice President, retired, General Electric

2002
Lawrence L. Peckham, BS IE 1969
Founder, LPA Associates

2003
Hadi Makarechian, BS CIE 1972
Chairman, President and Chief Executive Officer
Capital Pacific Holdings, Inc.

2004
George C. Lee
Samuel P. Capen Professor of Engineering and
Dean Emeritus
School of Engineering and Applied Sciences
University at Buffalo

2005
Steven L. Lerner
Senior Vice President and Chief Technology Officer
Praxair

2006
Douglas P. Taylor, BS ME 1971
President, Taylor Devices, Inc.
President, Tayco Developments, Inc.

2007
Mark H. Karwan
Professor and Dean Emeritus
School of Engineering and Applied Sciences
University at Buffalo

2008
Norman R. McCombs, BS ME 1968
Senior Vice President
AirSep Corporation

2009
Gina Bronkie Hammond, MS CS 1973
Director, Computer Science Corporation’s North America Public Sector, Defense Division

2010
Russell L. Agrusa, BS EE 1976
Founder, President, and Chief Executive Officer
ICONICS

2011
Scott D. Stevens, PE, BS CIE 1979
Founder and Chief Executive Officer
Dimension Fabricators, Inc.

2012
James P. Smist, BS CE 1980
President
Dean and Company

2013
John R. “Jack” Davis, BS IE 1955
Founder and Owner
I Squared R Element Company, Inc.

2014
Stephen E. Still, BS CIE 1976
Founder and Managing Director, Seabury Airline Planning Group, LLC

2015
Krishna Kolluri, MS IE 1988
General Partner
New Enterprise Associates
Mingcong Zhang of Amherst, N.Y., graduates with a bachelor of science in computer science. Zhang has received multiple scholarships from UB and the National Science Foundation, which are marks of his high academic achievement. He also has military service experience, and was awarded the U.S. Army Achievement Medal. In 2015, Mingcong founded Snowberg Inc., a technology startup company that has been recognized by the New York State governor and is sponsored by Google Inc.

Steven Coffed of Depew, N.Y., graduates with a bachelor of science in mechanical and aerospace engineering. Coffed already has notable experience in the field; he spent two summers interning at NASA’s Jet Propulsion Laboratory and a summer studying at France’s Institut Supérieur de l’Aéronautique et de l’Espace. He served as president of UB’s chapter of Students for the Exploration and Development of Space for the 2013-14 academic year, and participated in two winter study abroad trips.

Mingcong Zhang
Computer Science

Steven J. Coffed
Mechanical and Aerospace Engineering
University Honors College Scholar

Sarah Jo Crotts of Alpharetta, Georgia graduates with a MS in Biomedical Engineering after completing her undergraduate studies at Auburn University in 2015. Sarah Jo graduated from Auburn University summa cum laude with a degree in Biomedical Sciences concentrated in Pre-Medicine. After making the decision to further her education at the University at Buffalo, she pursued research in designing and building a reaching apparatus through AutoCAD and 3D printing. She plans to return to Atlanta, Georgia and pursue a career in the biotechnology industry.

Sarah Jo Crotts
Biomedical Engineering

Charles Jones of Bear Creek, N.C., graduates with a Ph.D. in Chemical and Biological Engineering. Jones came to the University at Buffalo after graduating from North Carolina State University in 2011, majoring in both chemical & biomolecular engineering and biochemistry. As a graduate student, Jones authored over 20 publications and generated intellectual property that culminated in the co-founding of a company, Abcombi Biosciences, where he currently serves as the chief executive officer and oversees operational facilities in Buffalo and Toronto.

Charles Jones
Chemical and Biological Engineering

Student Speakers

Timothy Van Oss of Buffalo, N.Y., graduates with a master of science in civil engineering. He was a recipient of the Western New York Prosperity Fellowship and plans to develop the next generation of iconic structures in the Buffalo metropolitan area. As president of the Civil Engineering Graduate Student Association, Van Oss represented UB students at international conferences, bringing back new perspectives that can be applied to local issues. He also served as a practitioner adviser for the UB Student Chapter of the American Society of Civil Engineers where he mentored students on professionalism, budgeting, scheduling and leadership.

Timothy J. Van Oss
Civil Engineering

Charles Jones
Chemical and Biological Engineering
Candidates for Degrees

Subject to the completion of all degree requirements, degrees will be conferred as indicated upon those individuals listed herein who were identified by April 5, 2016, and upon such others as may meet the requirements of their respective degrees. Candidates are listed according to actual date of degree conferral (September 2015; February 2016; and June 2016). Degree recipients will come forward to be congratulated during the commencement ceremony. In the following lists, candidates for a double major (a degree encompassing two majors), are denoted by an asterisk (*). Candidates for a double degree (the award of two distinct degrees completed concurrently), are denoted by two asterisks (**). Candidates for a double major and a double degree are denoted by a diamond (◊).

Today’s graduates are presented gifts of pins and pens (PhD candidates) by the School of Engineering and Applied Sciences and UB Alumni Relations.

Honors are designated by student names in the Candidates for Degrees according to the following symbols and abbreviations.

University Latin Honors
Latin Honors are granted to graduating seniors who have completed at least 60 undergraduate credits at UB, of which at least 54 credit hours are graded, and to those who have earned grade point averages, as follows:
§ Cum Laude - at least 3.20, to 3.499
‡ Magna Cum Laude - at least 3.50, to 3.749
† Summa Cum Laude - 3.75 or more
This list is based on courses taken through the Fall 2014 semester. Students may wear a gold cord.

Honor Society
TBP: Tau Beta Pi is the only engineering honor society representing the entire engineering profession. Students may wear a white stole.

The Gold Stole
The gold stole was received by students who are University Honors College graduates.

Delta Alpha Pi
Delta Alpha Pi is an international academic honor society for college/university students with disabilities. Graduating members received a blue and gold cord.

Non-Academic, University-Wide Recognition Items

The Kente Stole
The kente stole was received by students who participated in UB’s ALANA Celebration of Achievement which historically has honored graduating African, Latino/a, Asian, and Native American students.

The Rainbow Tassel
The rainbow tassel was received by students who participated in the Lavender Reception, celebrating achievements of graduating students who identify with the lesbian, gay, bisexual, transgender and queer (LGBTQ) community at UB.

The Red, White and Blue Cord
The red, white and blue cord is being worn by graduating UB students who are reservists, members of the National Guard, newly commissioned officers from our ROTC program or veterans of the United States armed forces.
Baccalaureate Degrees

Recommendation Candidates for Degrees

Liesl Folks
Dean

Bachelor of Science in Aerospace Engineering

September 2015
Charles Raymond Moon Jr. *
Gino Lee Nadela *
M. H. Priyanta Siri Sumana Siri *
Steven Christopher Scott Sutton § *

February 2016
Quinn Alan Adair *
Dale Baran § *
Jason Ming Chan *
Jacob R. Conrad *
Daniel Thomas Gardner *
Adam Les Hammond § *
Tyler Stephen Hardenbrook
Lucius James Jones III *
Mitchell Edward Maziarz § *
Matthew Thomas Nesper † *
Alexander P. O’Brien § *
Kristian Sukaj § *
Jack Wong *

June 2016
Muhammad Nur Ariff Bin Abdul Razak § *
Amadeus Antonio Astacio *
Kevin Vincent Ausanio *
Jesse Salomon Bauer *
Ajit Bhat *
Reimon Bhuyan
Connor Nicholas Bracy *
Kevin Alexis Carpio ‡
Jeremy Robert Chapman † TBP *
Megan Elizabeth Cheney § *
Steven J. Coffed † *
Katherine Rose Coley ‡ *
Nicholas Andrew Colon
Peter Joseph Corrao § *
Nicholas Patrick Davidson †
Peter Davis ‡ ◊

Bachelor of Science in Biomedical Engineering

September 2015
Nalini Gadkary †
Chien Sing Poon § *

June 2016
Anandita Ananthakumar ‡
John Aidan Armstrong ‡
Jash Bhayani † TBP
Nichole Bozyk §
Richard Patrick Brooks †
Maninderpal Singh Cheema ‡
Andrea Roma Ciolko ♦
Nicholas Michael Cocilova ‡
Justin Ryan Cohen
Katherine Ann
Czerniejski † TBP **
Siddhartha Dhiman
Maury E. Fields
Jonathan William Folmsbee §
Brandon Gerald Ginley ‡
Shima Habibollahzadeh §
Brian James Hagan ♦
Kent Stephen Harvey
Ryan Bolton Hubbell
Wan Yin Kam
Michelle Karker † TBP **
Aaron Kennedy
Vinh Kha
Alicia Christine Knauf §
Connor Charles Leek
Rachel Su Ann Lim § **
Cuiyan Kate Lin † TBP
Brendon Robert Lutnick † TBP
Joseph Steven Mango
Sean Martin † TBP
Kimberley Fairlancy McGarrity §
Sarah Jean McKinley ♦

Bachelor of Science in Chemical Engineering

September 2015
Wei Yang Chye
James Kim
Qibiao Weng

February 2016
Azza Ahmed Hosny
Joseph Anthony Manso §
Jun Hui Yeoh

June 2016
Chin Fong Ang
So Mi Baek
Ananthan Balachandran
Joshua David Barra
Enzo Corey Benfanti †
Max Julius Braun ‡
Darwin Chen †
Jenny Chen ‡
Po-Han Chen
Yiran Chen

Mudita Mishra
Vienna Laura Mott
Eric Michele Mruk
Ryan Patrick O’Hara † TBP
Adam Kevin Oetinger §
Khyati Champakkumar Pandya
Mark A. Pritzatsky §
Wesley Emile Rivais §
Lauren Valerie Roberts † TBP
Richard Joseph Savino §
Thomas Matthew Savolody
Nicole Marie Scerra ‡ TBP
Evan William Shaw †
Daniel W. Shin
Max Andrew Simon ‡ TBP
Claire Irene Sucharski §
Andrey Vasily Svintozelsky ‡
Ryan Paul Therrien §
An Van Tran ‡
Dean Edward Venturin II §
Melissa Ann Ward
Nicole Kathleen Wawrzyniak † TBP
Kunyu Wu
Brandon L. Chin
Kimberlyn Marie Comstock †
Jeffrey Deng
Ricky Singh Dundi
Dana Michele Havas †
Ken He ‡
Keira Henry
Jay William Hidy
Christopher Seamus Hogan
Nathan Alan Homka §
Thomas Anthony Hughes † TBP
Tony Huynh §
Vivian Huynh ‡
Se Won Jeon
Weiguang Jia ‡
Hunter Fredric Jones §
William Ross Kellogg †
Stephanie Mabel Kong † **
Gary Lambert Jr.
Andrew Richard Lane §
Jessica Faye Lee §
Sukrim Lee
Sharon Lin † TBP
Shaquille Louis
Tyler Johnucci †
Daniel Lawrence Matera †
Alexandra Mary Matzan ‡ TBP
Austin James Mermell §
Kevin David Milne
Madison G. Mintz
Sian Ho Ng
Emmanuel Nsengiyumva
Josuenny O'Donnell
Hannah Marie Osgood ‡ TBP
Hengyu Pan
Wen Sheen Pang
Don Salinda Prasanjith Pathirage **
Mikhail Pechagin
Robert William Pettitt
Mohammed W. Rahman §
Michael Joseph Reinhardt
Ana Gabriela Santandreu §
Laura Saunders ‡
Joseph R. Scheda
Ethan Andrew Schrodt §
Keelan Matthew Schwab
Zaid Shogan §
Jae Ho Son
Catherine Danielle Sponn
Jacob Guc Thompson
Michael Tong *
Qinjin Xiao ‡
Mohammed Sami Ahmed Zaid § TBP
Bachelor of Science in
Civil Engineering
September 2015
Idris Erdem Bostan
Ryan Matthew Brezi Sr. ‡
Hsien Han Chan
Xilin Chen
Engin Cirak
Christopher P. Radjie Etienne §
Fabrice Etienne
Musab Eyyupkoca
Vulkan Genel
Yunus Gorenoglu §
Aslan Vecdi Ilhan
Kenan Karakus
Syed Adnan Lahori
John Bernard Martz Jr.
Coletha Nyangoma Peter Katisha
Mulima §
Ufuk Mungan
Ali Cem Ozkok
Andrew Tongchareon Paragas
Onur Turkmen
Samet Gokberk Ugurlu
Yeng Kit Yap
Muhammed Yilmaz
February 2016
Anthony James Asala
Marvan Elkhattab
Christopher Robert Heiss
Chamal Jeewantha Hettigama
Justin Hwang
Christian Mark Jacobs
Kristina Lochan
Andrew Lapchi Lui § *
Eric John Mauro
Mackenzie Elizabeth Payne
Tarik Ramini
Joshua Edward Schmid † TBP
Jonathan Sungbum Shin
Mehmet Emin Unver
Justin Matthew Woodruff
June 2016
Erick R. Bach §
Maxwell Joseph Barone
John Michael Billittier Jr. ‡
Nicholas Andrew Blake †
Brendan Brethel
Ryan Edward Burns
Suad Cakar
Andrew David Calkins
Zulal Cebeci
Xiaoke Chen
Yu Hua Cheok §
Elizabeth Mariah Clark ‡
Nolan Colucci
Christopher Dalton
Gustavo Flavio De Andrade §
Alper Demirbag
Burak Develioglu
Onder Eksi
Onur Erdinc
Neil Elliott Ferguson §
Christopher Michael Fritzl
Shawn Xiangdong Gao **
Tyler Garrity ‡
Benjamin Jules Genco §
Suyeta Griffin
Samuel James Hansen ‡ TBP
Mark Daniel Hare §
Mitchell Hares †
Jessica Ann Marie Harms
Gino Huaman
Cheuk Wing Hung §
Rosemarie D. Hvisch
Matthew Len Itzler
Adrian Jye
John Philip Kennedy Jr.
Cetin Kilic § TBP
Yeow Seng Koh
Roger William Laistner §
Vitaliy Vysochansky
Evan Eric Weitz §
George Whitney Welsted Jr.
Kyle Winthers
Andrew McKay Wishman
Seth Wittlinger §
Jun Xie TBP
Jackie Ye
Yener Yunusoglu
Nicholas Lawrence Zeglen §
Bachelor of Science in
Computer Engineering
September 2015
Ashaab Alam
Keith E. Baran
Satyam Mehta
Robert M. Szymanski
February 2016
Chern Yee Chua †
Daniel Lee Fischer
John Joseph Kuhn III §
Andrew J. Westcott
June 2016
Arunan Bala Krishnan
Ryan Stephen O'Malley §
Michael Paul Oliszewski
Carley Elizabeth Parker
Kadir Burak Pelek
Michael Carmelo Pietrantonii
Steven Matthew Rahn
Ariel Lindsey Regnier §
Jakub Rybicki
Samet Saglam
Mohammed Ahmed Saleh Al Obahy
Ashley Scandra † TBP
Berkant Senol
Jianhua Shao § **
Andrei Shatalov
Alexandra Sheng §
Daniel Flagg Smith †
Cody J. Standinger
Brianne Melissa Stasiak §
Conor Lawrence Stucki
Zeynep Sunay *
Wey Sherng Tan
Ifeoluwa Tayo - Aremu
Shawn Adam Tennity †
Mary Beth Toukati ‡
Jane Sydney Van Der Karr §
Vitaliy Vysochansky
Evan Eric Weitz §
George Whitney Welsted Jr.
Kyle Winthers
Andrew McKay Wishman
Seth Wittlinger §
Jun Xie TBP
Jackie Ye
Yener Yunusoglu
Nicholas Lawrence Zeglen §
Andrew Dennison Booth † TBP
Nicholas Anthony Cellino †
Ava Chai § *
Yi Chen §
Woosuk Choi
William Joseph Clark ‡
Robert Alphonso DeBortoli † TBP
Sameep Dhawan *
Kevin Liam Duggan ‡
Zachary Benjamin Esmaelzada
Michael Robert Ferris ‡
Nolan Foster §
Korben Michael Rome Grover ‡ *
Matthew Thomas Howard
Kai Hsiang Hsu
Zhenrong Huang †
Nathaniel Dean Hutchings ‡
Wendy Jansson ‡ TBP
Seth Michael Karas †
Seongsu Kim §
James Andre LaCours
Ali Mahmoud
Shawn Malcolm Milligan ‡
Joseph Alan Peacock
Mitchell Rathbun †
Jacob Michael Rutowski
Thomas Jeremy Schouten †
Robert Shannon
Kayleigh Jane Siejak
Ethan Michael Vane †
Matthew Yves Winnick
Bao Xu
LeDong Yang §

Bachelor of Arts in Computer Science

September 2015
Alexander Robert Buell
Ching Hua Anthony Chang
Roy Young Jin Joo
Colin Thomas Lawson
Johnny Lin
Alexandra Marie Mazzei
Matthew David O’Connor
Om Patel
Christopher John Schnabel ‡

February 2016
Matthew Balthrop
Nathan Garrett Burgers ‡
Yao Feng Chen ‡
John Derrick Cherry
Raymond Chow ‡
Kendra S. Claiborne
Ian Michael Ford ‡
Adam Garrett
Dong Han
Alex Christopher Herdzik ‡
Jimmy Zengwang Huang
Violin Georgiev Iliev ‡
Kunal Jaiswal
Liang Jia Jiang §
Samina Aileen Khan ‡
Jason Douglas Kromer §
Ryan Joseph Kulkarni TBP
Matthew James Lease §
Simon Lee
Zeming Liu ‡
Aarav Malik †
Caleb Mcmahon-Eagan
Jordan J. Nohele
Glen Edward Noworyta
Emmanuel Obobgaimhe Jr.
Benjamin Andrew Paine ‡
Nancy Rana
Alexander Thomas Rookey †
Tamal Roy
Benjamin Joseph Rueda ‡
Rohan Madhukant Shah
Ryan Cooney Sicurella ‡
Andrew James Stohr §
Tejas Vyas
Keenan Reed Wannop
Andrew Steven Willms
Jackie Xu
Lidan Xu †
Mingcong Zhang ‡

June 2016
Shiraz Ahmed Amin § *
Ryan M. Anyi
Stephen C. Bass
Breckinridge Eliot Borges †
Diana Nicole Boulden §
Joshua Bueno †
Jeremy Caldwell §
Arthur Tiendi Chan
Christopher Conlon Chan
Andrew Chung
Daniel Paul Clark ‡
Daniel Thomas Conway ‡ *
Emmanuel Cott **
Michael Czaplicki
Jialiang Du
Eric Lee Ernst ‡
Martin William Fahy
Daniel G. Filipski †
Darryl Forconi
Matthew James Gill
Yongbo Hao
Haoriwa †
Calum Booker Henri
Duy Xuan Hoang
Gabriel David Scheib Holodak ‡
Mengpei Hu ‡
Jimmy Huang §
Jarret Michael Hutchison
Kyle B. Jemmott §
Amal Khandelwal †
Jun Mo Kim
Christian Bernd Koehler
Kevin Koo
Brynn Elyse Kreilick
Norbert Lam
Chih-Chun Lee ‡
Bobby Li
Justin Liang
Winnie Liang
Yong Keat Lim
Shihong Lin §
Wenhua Lin † **
Todd Alan Lock §

Bachelor of Science in Electrical Engineering

September 2015
Robert Anderson
Srdjan Dragojevic
Akeem Antonio Francis
Javone Gift ‡
Saseen Reddy Punyalal
Chris Thomas Starling $

February 2016
Oleksandr Nemesh $
Michael Gregory Thomas
Jiang Yu ‡

June 2016
Haissam Mahhammat Adam III
Naved Akhter
Baccalaureate Degrees

Ismail Aktas
Shiraz Ahmed Amin § *
Nathan Anthony Baize
Andrew Scott Basista
Qixun Cai §
Ava Chai § *
Xiangyang Chen ‡
Jaehyun Choi
Ling Yun Chou §
Daniel Thomas Conway † *
Samuel John Cook §
Timothy Charles Coulter †
Paulo DeMelo ‡
Dale Scott Denny Jr. §
Sameep Dhawan *
Daniel Ryan Dye ‡
Dillon Matthew Edmister §
Lingjie Feng §
William Dominick Filosi †
Casey Fraser
Daniel Walter Glab
Daniel Johann Goedeker
Mack Goodstein §
Gabrielle Lei Gosset ‡ TBP
Korben Michael Rome
Grover ‡ TBP *
Conor James Hixon
Alex Michael Horn §
James Scott Houlihan §
Darnell Jones
Craig William Kaiser
Matthew Stephen Kaiser §
Seungwoo Kim
Andrew Kimball
David Robert Kishlar †
Matthew Bryan Klimek §
Vu Le §
Jiawen Li ‡
Zhulei Li §
Hong Woon (Ryan) Lim §
Bingyao Lin §
Wing Lun Ma †
Michael John Mahoney II §
Dwight Reagen Ambrocio Mariano §
Nathan Albert Mingolelli
Kristina Sergeevna Monakhova †
Andrew M. Morizio †
Jason William Myrick

Bachelor of Science in Engineering Physics

Michael James Nietfeld ‡
Emran Nur
Jared Michael O’Hara †
Vincent Sabato Parisi †
Reginald Pierre
Alexander Peter Puleio ‡
Timothy Dwayne Ravel Jr.
Qasim Raza ‡ TBP
Boson Ruan §
Jean Claude Santiuste
Carly Ann Schulz ‡
Dominic Pasquale Sciarrino †
Derek Shum
Matt Harris Singer
Arjun Singh †
Maxim Dmitriy Solomonuyk §
Matthew Lewis Spitzer ‡
Nanthakumaaran Srikrishnan §
Jianfeng Sun § **
Edward K. Swinnich §
Matthew J. Szymak
Bryce D. Taras
Michael Tong *
Dana Marie Voll † TBP
Kevin Joseph Weigel ‡
Andrew Jason Wojcinski
Zesheng Xiao §
Zujia Xu §
Dongwei Yu ‡ **
Zehai Yu
Syed Mohammad Zain † *
Luke Michael Zakrajsek †
Kyle John Zalud
Wei Zhang §
Peng Hui Zhen §

Bachelor of Science in Industrial Engineering

February 2016
Cem Ayanoglu
Andrew Lui § *
Yeu Deck Ngui
Anna Lynn Szczepanski

June 2016
Braden S. Belliveau
Derrick Michael Burgess ‡
Alyssa Nicole Carbone
Hayden Chan
Philip Chan
Hillary Monica Chiarella ‡
Thomas Michael Cuff Jr. §
William Thomas Emmert
Luke Goetz
Chester Eric Hochreiter §
Alexandra Marie Leader †
Paul Austin Lewandowski
Jacob Michael Lips
Mubashar Nizar Malik §
Amanda M. Murray
Richard Patrick Mustico
Justin N. Ng
Julianna Marie Pelella
Ashley Pomaski
Anthony Michael Ramat
Michael Reubens †
Jonathan Maxwell Rink
Edward James Schneider
Zeynep Sunay *
Anna Svirgun §
Robert Sheridan Swick
Joshua Michael Vaccaro
Steven Wu
Tony Lufan Ye
Wendi Zheng

Bachelor of Science in Mechanical Engineering

September 2015
Brian Arthur Bischoff
David Mullen ‡ TBP **
Jacob John Stefanon

February 2016
John Philip Balzani †
April Lyn Bouquard

Brock Hoffman
Thomas Charles Malloy
Brett William Nolan §

June 2016
Joseph Ignazio Acquisto §
Leonard Arambam ‡
Kevin Bartosiewicz §
Rukasen Bey
Emil Ashan Boyagoda ‡
Brian Chen
Bryant Chen §
Danielle Lorene Chevalier † TBP
Akash Choudhary
Deedat Ahmed Choudhury
David Desantiago
Thomas Byron Fortman §
Tyler B. Halstead
Hokyoung Hwang §
Peter Hwang
Su-Ryun Jeong ‡
Anthony Thomas Lauria ‡
Dong Youel Lee
Joonghee Lee §
Cash A. Mahoney §
Duc Viet Nguyen
Tarik Osmanecvic
Maurice John Ott
Rashul Panwar
Alison Park
Marvin Perez Hernandez
Robert Edwin Farquhar
Purkiss † TBP
Zachary James Steever † TBP
Henrick J. Tan §
Harrison Joseph Thompson
Steven Anthony Villacis
Nathalie Morbey Winder ‡ TBP
Jillian Laurel Yearke
Richard Thomas Young §

Bachelor of Science in Mechanical Engineering

September 2015
Lok Bahadur Baral
James Ross Brown Jr.
Donald William Carter
Jodie-Ann Valencia Duquesnay

Bachelor of Science in Industrial Engineering
Combined Degrees

Recommending Candidates for Degrees

Liesl Folks
Dean

Bachelor of Science / Master of Science in Computer Science and Engineering

February 2016
Scott Florentino †
Nathan Ronca ‡ *

June 2016
Woodams R. Clark
Jesse Daniel Freeman §
Sunny Mistry ‡
Mark Robert Starczewski Jr. § **
Kun Yang

Bachelor of Science (Civil Engineering) / Master of Business Administration

September 2015
James Friedman

June 2016
Matthew Cuciti

Bachelor of Science (Industrial Engineering) / Master of Business Administration

June 2016
Fernando Galvan Rico §
Michael L. Ronci ‡
Michael James Stuber §

Bachelor of Science (Mechanical Engineering) / Master of Business Administration

June 2016
William Lloyd Bach §
Raymond C. Chamberlin §
Joseph Timothy Corcoran †
Andrew Gerald Serwon §
Christofilos Andrew Siderakis
Master’s Degrees

**Master of Science in Biomedical Engineering**

**September 2015**
- Nanditha Anandakrishnan
- Zahra Chamanzar
- Daniel Joseph Feldman
- Shuang Hu
- Jing Luo
- Christopher D. Martensen
- Elise J. Martin
- Somaang Menocha
- Sreevidhya Ramakrishnan
- James K. Rieffel
- Shrutti Srinivas
- Sophie Linyi Wang

**February 2016**
- Christopher Kotey Kotei
- Yan Li
- Rubaina
- Nicole Ashley Salerno
- Ami Yogesh Shah
- Wentao Song
- Qixin Wang

**Master of Science in Chemical Engineering**

**September 2015**
- Nanditha Anandakrishnan
- Zahra Chamanzar
- Daniel Joseph Feldman
- Shuang Hu
- Jing Luo
- Christopher D. Martensen
- Elise J. Martin
- Somaang Menocha
- Sreevidhya Ramakrishnan
- James K. Rieffel
- Shrutti Srinivas
- Sophie Linyi Wang

**February 2016**
- Christopher Kotey Kotei
- Yan Li
- Rubaina
- Nicole Ashley Salerno
- Ami Yogesh Shah
- Wentao Song
- Qixin Wang

**Master of Engineering in Chemical Engineering**

**September 2015**
- Prannay Bali
- Tai Chun Chung
- Sogol Hekmatfar
- Matthew Henry Michnik
- Christopher Linn Miller
- Andrew James Mowbray

**June 2016**
- Prannay Bali
- Tai Chun Chung
- Sogol Hekmatfar
- Matthew Henry Michnik
- Christopher Linn Miller
- Andrew James Mowbray

**Master of Science in Aerospace Engineering**

**September 2015**
- Mustafa Celebi
- Harshit Goyal
- Sunayana Jayaram

**February 2016**
- Arunvivekanand Shunmugasundaram
- Gaurav Siwach

**Master of Science in Civil Engineering**

**September 2015**
- Isaac William Allen
- Andrew Bartlett
- Fatima Bukhari
- Jan Dokonal
- Arvin Ebrahimkhahkouh
- Satyavardhan Gogineni
- Nima Golshani
- Ramya Kamineni
- Tylor Edward Kunkle
- Seyyedatahah Namidi
- Ji Xia
- Xiaoqing Zhang

**February 2016**
- Thomas Androuselis
- Nicholas Barnhard
- Aaron Michael Behnke
- Courtney Elaine Bentley

**Master of Science in Electrical Engineering**

**September 2015**
- Jiaochen Shen
- Ching-Yen Shih
- Meng Wang
- Hanguang Zhang
- Shizhong Zhao

**February 2016**
- Benjamin Fatt Soon Lam
- Yayu Liu
- Shawreen Manish Shah
- Jianchao Wang
- Xiaoyan Wang

**June 2016**
- Anix Casimir
- Aparajita Dasgupta
- Cheng Kee Lai
- Najing Li
- Junyi Liu
- Nachiket Madhav Paranjape
- Haiyang Sheng
- Yujie Tian
- Aditi Verma
- Runsheng Zhang
- Yusen Zhou

**Master of Science in Civil Engineering**

**September 2015**
- Prannay Bali
- Tai Chun Chung
- Sogol Hekmatfar
- Matthew Henry Michnik
- Christopher Linn Miller
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- Gaurav Siwach

**Master of Science in Chemical Engineering**

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- Tai Chun Chung
- Sogol Hekmatfar
- Matthew Henry Michnik
- Christopher Linn Miller
- Andrew James Mowbray

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- Nicholas Barnhard
- Aaron Michael Behnke
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**Master of Science in Chemical Engineering**

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- Prannay Bali
- Tai Chun Chung
- Sogol Hekmatfar
- Matthew Henry Michnik
- Christopher Linn Miller
- Andrew James Mowbray

**February 2016**
- Thomas Androuselis
- Nicholas Barnhard
- Aaron Michael Behnke
- Courtney Elaine Bentley

**Master of Science in Aerospace Engineering**

**September 2015**
- Mustafa Celebi
- Harshit Goyal
- Sunayana Jayaram

**February 2016**
- Arunvivekanand Shunmugasundaram
- Gaurav Siwach

**Master of Science in Civil Engineering**

**September 2015**
- Isaac William Allen
- Andrew Bartlett
- Fatima Bukhari
- Jan Dokonal
- Arvin Ebrahimkhahkouh
- Satyavardhan Gogineni
- Nima Golshani
- Ramya Kamineni
- Tylor Edward Kunkle
- Seyyedatahah Namidi
- Ji Xia
- Xiaoqing Zhang

**February 2016**
- Thomas Androuselis
- Nicholas Barnhard
- Aaron Michael Behnke
- Courtney Elaine Bentley

**Master of Science in Electrical Engineering**

**September 2015**
- Jiaochen Shen
- Ching-Yen Shih
- Meng Wang
- Hanguang Zhang
- Shizhong Zhao

**February 2016**
- Benjamin Fatt Soon Lam
- Yayu Liu
- Shawreen Manish Shah
- Jianchao Wang
- Xiaoyan Wang

**June 2016**
- Anix Casimir
- Aparajita Dasgupta
- Cheng Kee Lai
- Najing Li
- Junyi Liu
- Nachiket Madhav Paranjape
- Haiyang Sheng
- Yujie Tian
- Aditi Verma
- Runsheng Zhang
- Yusen Zhou
Master’s Degrees

Master of Science in Computer Science and Engineering

September 2015
Jerry Antony Ajay
Mohit Arora
Santosh Kumar Dubey
Kyle Marcus
Lu Meng
Alagappan Ramu
Andrea Susana Nazaret
Uzcategui Cova
Sitaram Chowdary Vuppala
Weida Zhong

Bhanu Teja Chakka
Krishnakant Chavali
Pratik Pramod Chavan
Shreyas Suhas Chavan
Chun Yu Chen
Mani Kishore Chitrala
Karamveer Choudhary
Manish Kumar Das
Sathish Kumar Deivasigamani
Aniket Mahesh Deole
Rahul Derashri
Akash Prafulchandra Desai
Tejeet Paresh Desai
Akash Sudhir Deshpande
Aniket Santosh Deshpande
Harshad Rajendra Deshpande
Keerthana Dhagam
Sankara Vadivel Dhandapani
Selvaganesh Dharmeswaran
Samved Chandrakant Divekar
Susana Melba Dsa
Rohit Dubey
Sagar Ashok Dulhani
Sujoy Dutta
Vaibhav Dwivedi
Omkar Abhijit Gadgil
Archit Garg
Shreyas Garg
Tarun Gauha
Nitya Gollamudi
Soumasish Goswami
Navya Gowda Kariyappa
Ankit Goyal
Changyang Gu
Shruti Guha
Liwen Gui
Venkat Karthik Gundavarapu
Stephen Gung
Tian Guo
Ashish Gupta
Madhur Gupta
Harsh Rakesh Harwani
Bhakti Ramesh Hinduja
Venkata Sai Manoj Illendula
Sachi Jain
Jesal Deepak Janani
Karthik Janarthanan
Himali Vandan Jani
Rohit Jhunjhunwala
Shweta Joshi
Snigdha Joshi
Karthik Kakarla Nagendra Prakash
Sudharshan Reddy Kakumanu
Manikanta Sandeep Kandregula
Ankit Kapur
Vinayak Karuppasamy
Venkata Sai Krishna Tejaswi
Kasavajhula
Bikram Kashyap
Hitpal Kaur
Chaitanya Kavalipati
Abha Khanna
Karthik Kiran
Aditya Pavan Kolli
Rahul Kota
Mohit Kothari
Gaurav Sandip Kshirsagar
Animesh Kumar
Ashok Kurakula
Muyuan Li
Xiaoliang Li
Xinyang Li
Jitendra Limaye
Nikhil Raphael Lopes
Duc Thanh Anh Luong
Vamsi Krishna Maddipatla
Subramanian Madhanagopal
Sivasankaran
Pratham Malik
Saurabh Sidharth Mandaokar
Sushanth Reddy Mandy
Mangai Vetrivelan
Sai Vikneshwar Mani Jayaraman
Nischala Manjunath
Shiva Mariswamy Subramani
Aniket Sadanand Mayakal
Mihir Mehta
Pritika Mehta
Warren Alexander Mendonca
Mithun Nagesh
Abdul Muqtaid Mohammed
Devesh Mulmule
Dhinesh Nakkeerar
Priyankar Nandi
Nikhitha Reddy Nandigama
Naveen Narayan
Jayanth Nasika
Prakash Natarajan
Daniel Nazareth
Abhinav Neela
Amit Nihalani
Bhargava Nissankararao
Ogheneke Obrutu
Prasanna Chandrashekar Pai
Kaushik Raj Palanichamy
Avinash Pali
Romit Palit
Gitanjali Palwe
Deep Jayesh Parekh
Rishabh Mahendrakumar Patel
Utsav Sudhir Patel
Janhavi Anand Patil
Abhijit Pattanaik
Sudheer Kumar Paturi
Surya Siddharth Penmaraju
Ravi Kumar Pirakil Raveendranatha
Kaimal
Rahul Poondy Mukundan
Chetan Prabhu Sree Kartheek Pulagam
Ketki Ramesh Purandare
Nishchita Purushothama Patel
Weihao Qu
Reshma Raghavan
Jonathan Francesco Raj
Harshith Kumar Ramadev
Naveen Kumar Ramamurthy
Aravind Kumar Ramesh
Vivin Rane
Ramya Rao
Sri Ram Krishna Reddy Reddy
Vishvesh Revoori
Akilesh Sadassivam
Ayush Jitendra Sanghi
Devesh Pradip Sanghvi
Ananda Kanagaraj Sankar
Hrishikesh Vinay Sathe
Chandana Satya Prakash
Buddhika Laknath Semage
Jenil Dinesh Shah
Vishwas Shanbhog
Ankit Sharma
Chandra Kant Sharma
Himanshu Sharma
Mohammad Shahid Fazal Sheikh
June 2016
Jacob Ammons
Pradeep Kiran Chakkirala
Xianglong Chen
Joseph Michael D’Amato
Hao Fan
Siddharth Pradeep Ghodke
Jordan Gibson
Guanxiong Huang
Andrew Richard Hughes
Chuohao Jiang
Jialiang Jiang
Jiaming Liu
Sijia Liu
Xin Liu
Ethan Lu
Aurijoy Majumdar
Cong Meng
Jeffrey Murphy
Arindam Nandi
Damian U. Ogbonna Jr.
Sayaritra Pal
Jianmeng Pei
Srinivasan Rajappa
Yuan Sha
Bowen Shen
Bhargav Shkvumar
Sindhuja Sura
Prannoy Deepi Tumuluri
Yuhui Wu
Chen Xu

Ke Zeng
Xiang Zhang
Zhiyong Zhang
Ning Zhao

February 2016
Dinesh Anantharaman
Anusha Arjun
Sanjay Natraj Ashok
Aditya Awatramani
Ambika Balasubramaniam
Vamsi Krishna Bellidiga
Harsh Singh Bhal
Akash Bhatkal
Praneeth Varma Buddharaju
Peter Casey
Aarita Chand
Sasidhar Chilukuri
Limao Cong
Decheng Cui
Yixuan Dang
Rohit Dhanuka
Daniel Robert Drexel
Anish Dutta
Prithvi Nath Reddy Emani
Zhou Fang
Sindhoora Gajula
Janani Ganesan
Adam M. Gannon
Rajendra Geetha Rani Sundara
Raman
Sabareeswar Gowri Shankar
Yuxiao He
Mangesh Jaiswal
Srinivasa Sandilya Janthyalu
Sindoora Jayaprakash
Sharath Jhadey
George John
Geo Leemson Joseph Rubinson
Swapnil Dilip Joshi
Soujanya Kadali
Sai Pavan Kumar Kadi
Pruthvik Kagganti Prakash
Abhinay Raj Kalambur Sabarajan
Dhinesh Raja Kannan
Kaushik Uday Karandikar
Utsav Deepak Katira
Rubab Khaled

Venkata Sai Pawan Kumar Kilambi
Zachary M. Kolarich
Yixiao Kong
Mounica Koppaparupu
Vijayaganesh Gurussamy
Krishnakumar
Koushik Vikram Kuduvu Gopal
Kabirdoss
Anurag Menon Kunnath
Sai Teja Lakkimsetty
Hongyu Li
Ke Li
Yiling Li
Zhiyuan Li
Shengyang Liu
Shuangchen Luo
Sri Krishna Mahadevan
Deepthi Mandapalli
Rama Chandra Reddy Mandepudi
Sumukh Manjunath
Pallavi Mantra
Karan Kumar Marda
Dio Mazurek
Kaushikee Mishra
Mohammad Wasif
Roshni Mukund Kumar
Kiruthika Murali
Pranav Reddy Musku
Vaibhav Mutathi
Rutvik Narayana Nadimpally
Shruthi Nagaraj
Anjun Sudhanva Naik
Sharath Raveendran Nair
Venkata Satya Sesh Vivek Nanisetti
Deepikha Narayana Moorathi
Naga Goutham Narne
Jubin Nathawat
Prathibha Panchagnula
Honey Pandey
Jitendra Kumar Pandey
Alok Meghashyam Pandhare
Apurva Paradkar
Saurabh Parashar
Jaejeong Park
Sindhu Patibandla
Priyanka Pattanaik
Neil Rajesh Pednekar
Sunil Kumar Penumula
Master's Degrees

**June 2016**
- Apoorva Batra
- Jhonnathan Chang Wu
- Yuyang Chen
- Diptanjan Saha
- Ian Farneth
- Abhilash Kumar Gandla
- Manibharathi Gudiyattam
  - Gnanamurugan
- Sritej Gunta
- Yanbo Guo
- Woong Kim
- Chenyu Li
- Nian Liu
- Andrea Martinez
- Mohit Kumar Navagare
- Anjali Omer
- Mahima Ann Philip
- Dengbin Qiao
- Jordan Richard Radice
- Gaurav Pravinkumar Raval
- Tripti Sharma
- Michael Singletary
- Gaganpreet Singh Sran
- Ragavendran Srinivasan
- Ketul Divyesh Surati
- Urvaksha Rayomand Tavadia
- Pradeep Vijayasundararajan
- Yuguang Wei
- Appiah Wiafe
- Cong Ye
- Zunayed Bin Zahir
- Chaoyi Zhang

**Master of Science in Engineering Science**

**September 2015**
- Sara Marie Gonzalez

**February 2016**
- Saidan Qi
- Lei Su

**Master of Science in Industrial Engineering**

**September 2015**
- Kriti Basu
- Natalie Christine Benda
- Ekta Bhargava
- Biplob Sudhin Bhattacharya
- Jonathan David Braun
- Keith A. Fitzsimmons
- Ashita Raghav Guthula
- Anshuman Anjani Kumar
- Dan Liang
- Armando Loli
- Sriidhar Shankar Mane
- Ranjani Sureshkumar
- Siddhesh Sawant
- Siddhartha Nambiar
- Anpeng Zhang

**February 2016**
- Sojib Ahmed
- Libin Alapatt Thomas
- Digvijay Reddy Amaram
- Rahul Swamy
- Satya Kalyan Bellala
- Raghu Ram Bojanapalli
- Yamin Poojitha Boyenapally
- Hernan Andres Caceres Venegas
- Ashok Chandran
- Naveen Chundru
- Karan Dabas
- Aashwinikumar Vasudev Devari
- Negin Ebadi
- Jing Gong
- Praveen Guthinabailu
- Ran Huo
- Pradeep Krishnan
- Ning Li
- Yuenan Li
- Ajay Mallina
- Sri Soury Nori
- Praveenkumar Raghavan
- Sathya Narayanan Ramamurthy

**June 2016**
- Mariana Barato
- Bhishman Desai
- Arushi Dhakad
- Hadi Feyzollahi
- Neha Deepak Gudi
- Lydia Kocher
- Meng Li
- Sayee Mangesh Lingayat
- Kyle Molinaro
- Medha Nemade
- Abhinav Raj Perla
- Trevor Plizga
- Charan Theja Reddy Pyreddy
- Praveen Babu Ravichandran
- Arjun Shankar
- Kartik Shankmugasundaram
- Thangavel
- John Christopher Vacanti
- Xiaomei Wang
- Ningji Wei
- Yijing Xu
- Yashwanth Chowdary YeddulaPalli
- Xiaohang Zhu

**Master of Science in Mechanical Engineering**

**September 2015**
- Vaqas Arshad
- Rajmohan Asokan
- Yun Cheng
- Junqing Deng
- Robert Francis Desjardins
Doctorate Degrees

Recommending Candidates for Degrees

Liesl Folks
Dean

Doctor of Philosophy in Biomedical Engineering

June 2016
Suyog Pol
Major Professor: Stylianos Andreadis

Sindhu Row
Major Professor: Stylianos Andreadis

June 2016
Ioannis Karampelas
Major Professor: Edward P. Furlani

Ramachandran Subramanian
Major Professor: David A. Kofke

Shuen - Shiuan Wang
Major Professor: Sriram Neelamegham

Xiaozheng Xue
Major Professor: Edward P. Furlani

Dewei Zhu
Major Professor: Mark T. Swihart

Doctor of Philosophy in Chemical Engineering

September 2015
Daniel W. Demonte
Major Professor: Sheldon J. Park

Rohitesh Gupta
Major Professor: Sriram Neelamegham

Jacob Mark Heltzel
Major Professor: Carl R. Lund
SUNY Distinguished Teaching Professor

Sabry G. Moustafa
Major Professor: David A. Kofke
SUNY Distinguished Professor

Xianliang Wang
Major Professor: Mark T. Swihart

February 2016
Charles Jones
Major Professor: Blaine Pfeifer

Yue Li
Major Professor: Mark T. Swihart

Panagiotis Mistriotis
Major Professor: Stylianos Andreadis

February 2016
Yanping Feng
Major Professor: Joseph F. Atkinson

Bismarck N. Luna
Major Professor: Andrew S. Whittaker

Nam Hoai Nguyen
Major Professor: Andrew S. Whittaker

June 2016
Stacey Sloan Blersch
Major Professor: Joseph F. Atkinson

Md Tawfiq Sarwar
Major Professor: Panagiotis Anastasopoulos

Luke W. Scannell
Major Professor: James N. Jensen

Aikaterini Stefanaki
Major Professor: Mettupalayam Sivaselvan

Shuai, Tang
Major Professor: Qian Wang

Xiao Wei
Major Professor: Michel Bruneau

Doctor of Philosophy in Civil Engineering

September 2015
Yanbiao Chu
Major Professor: Cemalettin Basaran

Zahrasadat Lotfian
Major Professor: Mettupalayam Sivaselvan

Moses Junior Matovu
Major Professor: Salvatore Salamone

Konstantinos Oikonomou
Major Professor: Michael Constantinou
SUNY Distinguished Professor

Ki Pung Ryu
Major Professor: Andrei M. Reinhorn

Lisa Shrestha
Major Professor: Michel Bruneau

February 2016
Jiun-Jie Wang
Major Professor: Xin He

June 2016
Ismail Alan
Major Professor: Tevfik Kosar

Engin Arslan
Major Professor: Tevfik Kosar

Panya Chanawangsa
Major Professor: Venugopal Govindaraju

Si Chen
Major Professor: Kui Ren

Shounak Uday Gore
Major Professor: Venugopal Govindaraju

Doctor of Philosophy in Computer Science and Engineering

September 2015
Gang Chen
Major Professor: Sargur Srihari

Wei Chen
Major Professor: Jason Corso

Hu Ding
Major Professor: Jinhui Xu

Suxin Guo
Major Professor: Aidong Zhang
SUNY Distinguished Professor

Kevin Rice Keane
Major Professor: Jason J. Corso

Nilesh Vijay Khambekar
Major Professor: Vipin Chaudhary

Xiao Li
Major Professor: Aidong Zhang

Ran Xu
Major Professor: Jason J. Corso

Zhi Yang
Major Professor: Varun Chandola

Yingbo Zhou
Major Professor: Venugopal Govindaraju
SUNY Distinguished Professor

February 2016
Jiun-Jie Wang
Major Professor: Xin He

June 2016
Ismail Alan
Major Professor: Tevfik Kosar

Engin Arslan
Major Professor: Tevfik Kosar

Panya Chanawangsa
Major Professor: Venugopal Govindaraju

Si Chen
Major Professor: Kui Ren

Shounak Uday Gore
Major Professor: Venugopal Govindaraju
Yunfei Hou  
Major Professor: Chunming Qiao

Jie Hu  
Major Professor: Chang Wen Chen

Mahmoud Abo Khamis  
Major Professor: Hung Ngo

Doctor of Philosophy in Electrical Engineering

September 2015  
Panagiotis Markopoulos  
Major Professor: Dimitrios Pados

Gokturk Poyrazoglu  
Major Professor: Hyungseon Oh

February 2016  
Mark Louis Demarie  
Major Professor: Albert H. Titus

Xie Zeng  
Major Professor: Qiaoqiang Gan

Tianmu Zhang  
Major Professor: Alexander N. Cartwright

Yihang Zhou  
Major Professor: Lei Ying

June 2016  
Yanshui Li  
Major Professor: Vladimir Mitin  
SUNY Distinguished Professor

Harihara Sudhahar Ramamoorthy  
Major Professor: Jonathan P. Bird

Richard M. Tarbell  
Major Professor: Albert H. Titus

Alfredo Vega-Irizarry  
Major Professor: Adly T. Fam

Doctor of Philosophy in Industrial Engineering

September 2015  
Sabrina Casucci  
Major Professor: Alexander Nikolaev and Li Lin

Tolou Esfandeh  
Major Professor: Rajan Batt and Changhyun Kwon

Peiqiu Guan  
Major Professor: Jun Zhuang

Sudeep Hegde  
Major Professor: Ann M. Bisantz

Raihan H. Razib  
Major Professor: Alexander Nikolaev

Iakovos Toumazis  
Major Professor: Changhyun Kwon

Yan Xia  
Major Professor: Rajan Batt and Rakesh Nagi

February 2016  
Michael D. Moskal II  
SUNY Distinguished Professor

Masoumeh Taslimi  
Major Professor: Rajan Batt and Changhyun Kwon

Xinhui Zhu  
Major Professor: Victor L. Paquet

June 2016  
Jared Holsopple  
Major Professor: Moises Sudit

Nicolette M. McGeorge  
Major Professor: Ann M. Bisantz

Mohammadreza Samadi  
Major Professor: Alexander Nikolaev

Longsheng Sun  
Major Professor: Mark H. Karwan  
SUNY Distinguished Teaching Professor

Jingyan Wan  
Major Professor: Changxu Wu

Doctor of Philosophy in Mechanical Engineering

September 2015  
Jinmiao Huang  
Major Professor: Rahul Rai

Yoshihiro Takizawa  
Major Professor: Deborah D. Chung

Deepika Verma  
Major Professor: Susan Z. Hua

February 2016  
Santosh Rohit Yerrabolu  
Major Professor: Joseph C. Mollendorf

February 2016  
Nagavenkat Adurthi  
Major Professor: Puneet Singla

Sourish Chakravarty  
Major Professor: Sonjoy Das

Suren Kumar  
Major Professor: Venkat N. Krovi

June 2016  
Aliakbar Alamdari  
Major Professor: Venkat N. Krovi

Bradley Darrall  
Major Professor: Gary F. Dargush

Guoqiang Deng  
Major Professor: Gary F. Dargush

Zhongwang Dou  
Major Professor: Hui Meng

Aaron Edward Estes  
Major Professor: Manoranj Majji

Aziz M. Naim  
Major Professor: Kemper E. Lewis

Kumar Vishwajeet  
Major Professor: Puneet Singla

March 2016  
Sabrina Casucci  
Major Professor: Alexander Nikolaev
The Founding of the School of Engineering and Applied Sciences

Engineering courses were initially offered by the College of Arts and Sciences, which began granting a Certificate in Engineering in 1929. Early programs were established in engineering science, mechanical engineering, industrial engineering and electrical engineering. Then in 1946, one hundred years after the University at Buffalo was founded, the School of Engineering was established. The school was authorized to offer both bachelors and masters degrees. Departments of civil engineering and chemical engineering were added in 1958 and 1961, respectively. In 1962, the university joined the State University of New York (SUNY) higher education system and by 1967, the name had been changed to the Faculty of Engineering and Applied Sciences. One year later, aerospace engineering was added, and a comprehensive engineering school was achieved. An undergraduate program in engineering physics was added in 1985. The unit changed its name to the School of Engineering and Applied Sciences in 1989.

In 1998, a new department of computer science and engineering was formed by merging the computer science program from the College of Arts and Sciences with the computer engineering component of the department of electrical and computer engineering in SEAS. The environmental engineering program was established in 2000. In 2010, a new department of biomedical engineering was formed in collaboration with the UB Jacobs School of Medicine and Biomedical Sciences. In 2014, a new department of materials design and innovation was established, in collaboration with the College of Arts and Sciences.

SEAS has come far since 1946, when it first held courses in the newly dedicated Karr Parker Engineering Building. Parker Hall was immediately enlarged to accommodate traditional students and returning GIs intent on pursuing engineering careers after WWII. In the mid-70s to mid-80s, the school moved to five new buildings on the north campus: Bell, Bonner, Furnas, Jarvis, and Ketter Halls. Our newest building, Davis Hall, opened in 2011 and features an environmentally friendly design and construction. Together these buildings form an outstanding educational and research facility, comprising 275,000 square feet of laboratory and office space.

Faculty and Leadership: A Heritage of Vision and Talent

SEAS has enjoyed consistent success in large part because of its leadership. Over the course of its sixty-plus years, twelve distinguished educators have served as leaders of the school. In 1946, Paul E. Mohn became the first dean. His thirteen-year tenure as dean lent stability to the young school. Frederick H. Thomas served as acting dean from 1959–60. E. Arthur Trabant was dean from 1960–1966; Howard E. Strauss was acting dean from 1966–67. When the Faculty of Engineering and Applied Sciences became the administrative body of engineering at SUNY Buffalo, the head of the faculty was often referred to as the provost. F. Karl Willenbrock was provost from 1967–70; Joseph Bergantz was acting provost from 1970–71; and William Gill served as provost/dean from 1971–1977. George C. Lee took office as dean in 1978, and served in that post until 1995. In 1996, Mark H. Karwan became the school’s sixth dean, followed by Harvey G. Stenger Jr. in 2006. Rajan Batta was the school’s acting and interim dean in 2011–12, and in 2013, Liesl Folks joined SEAS as the school’s eighth dean.

Our leadership and faculty realize the school’s direction with the invaluable support of our dedicated staff, students, alumni, friends, industry and corporate partners. In addition to their dedicated teaching, research, and service, the faculty, which now numbers 165, have won prestigious awards, authored countless books and articles, and produced many patents for materials and techniques, all aiming to benefit humankind. More than 50 of our faculty have been elected as Fellows of engineering professional societies and 33 are National Science Foundation early career award winners. In the past year, three of our current faculty members were recognized with SUNY Chancellor’s Awards for Excellence in Scholarship and Creative Activity. Many others hold SUNY distinguished professor titles.
Programs and Partnerships
The School of Engineering and Applied Sciences was an early innovator in reforming the traditional preparation of beginning engineers. The school has always valued interdisciplinary research and has structured itself to promote connections across disciplines that benefit undergraduate and graduate study, as well as to address important social needs like health care, personal security and recovery from natural disasters. SEAS is the home of such prominent interdisciplinary research and educational programs as Center for Multi-source Information Fusion (CMIF), Center for Unified Biometrics (CUBS), Center for Excellence in Information Systems Assurance Research and Education (CEISARE), and The Center for Industrial Effectiveness (TCIE), as well as a membership in the National Science Foundation Center for e-Design. Under UB’s “E Fund” initiative, we engaged with our campus colleagues to develop research and educational programs that will have a high impact both inside and outside the university. These include Computational Data Science and Engineering (CSDE), Home Health and Well-Being through Adaptive Smart Environments (Home-BASE), Institute of Bridge Engineering (IBE), and Institute of Sustainable Transportation and Logistics (ISTL).

More recently, the campus was challenged to address the difficult problems and questions of our time through impactful, interdisciplinary research, education, and engagement. SEAS faculty have assumed leadership roles in these “Communities of Excellence,” in particular, Global Health Equity and Sustainable Manufacturing and Advanced Robotic Technologies (SMART), as well as the newly established Research and Education in eEnergy, Environment and Water (RENEW) institute. Our total research expenditures for the academic year 2014–2015 were $58.5 million.

Historically, the School of Engineering and Applied Sciences’ partnership with industry has been valuable and mutually rewarding. Students benefit from the professional interactions that our experiential learning programs provide, and faculty contribute to and gain valuable perspective from industry-sponsored research. Industry partners, meanwhile, benefit from access to a talented workforce and a well-trained knowledge base that provides them with a competitive edge in research and development.

A Proud Past, A Challenging Future
The School of Engineering and Applied Sciences is a world-class institution. Today’s graduates join the ranks of over 30,000 alumni who have made their mark on the discipline, both in the academic world and in industry. Graduates live in 50 states and 65 countries around the world.

Like any great organization, the School of Engineering and Applied Sciences is continually evolving and stretching to meet new challenges. The more we achieve, the more we see there is still more to be done to rise to the challenge of training the next generation of great engineers while delivering world-changing advances in science and technology.

To keep up to date with the school, please visit us at engineering.buffalo.edu.
The First Commencement

The first commencement of The University of Buffalo was held at the First Presbyterian Church on Wednesday, June 16, 1847, when medical degrees were conferred on seventeen “young gentlemen.” The event was witnessed by “quite a large concourse of our citizens, as the occasion was a novelty here,” according to the newspaper report.

After an impressive and appropriate prayer, the Honorable Millard Fillmore, Chancellor, delivered an address dealing principally with a historical sketch of the rise and progress of education in Buffalo. Following music by the choir and conferring of degrees, Professor Hamilton spoke to the graduates. His address was described in a local newspaper the following day as a “feeling and beautiful effort complete with high sentiments, of sound morality and enlarged and pure philanthropy, which, if made the rule and guide of the young gentlemen to whom it was more immediately directed, cannot fail of making them ornaments to their profession and to society . . . in thought, word and deed.”

After 16 weeks of study, which in those days was the entire medical preparation, each graduate was cited for having “specialized” in one of the following: Hernia, Empiricism, Remittant Fever, Pneumonitis, Mania Potu, Puerperal Fever, Erythema, Anatomical Fractures, Typhoid Fever, Pneumonia, Acute Laryngitis, History of Physiology, Dyspepsia, Haemorrhagi, Inflammatory Croup, Pregnancy, Scarlatina.

The students had paid $62.00 for all the lectures in the entire course, plus a $3.00 matriculation fee, $5.00 for a “demonstrator’s ticket,” and $20.00 for a graduation fee. Board, including fuel and light, cost from $2.00 to $3.00 per week.

Academic Costume

The traditional costume worn at commencement exercise is a record of academic achievement of the individuals taking part. Its use, which originated at English and European universities during the twelfth and thirteenth centuries, came to the United States in 1754 with the founding of what is now Columbia University.

In 1895 the Intercollegiate Commission, a group of leading American educators, met at Columbia to draft a code which would serve to regulate the design of gowns and hoods for various degrees as well as to fix the colors that indicate the various faculties. This code has been adopted by most of the colleges and universities in America. It was revised in 1932 and again in 1959.

The level of degree held is indicated by the gown’s cut. Doctoral gowns have full sleeves which are round and open. Gowns worn by bachelors have long pointed sleeves, and those worn by masters have long, closed, somewhat fuller sleeves which reach nearly to the wearer’s knees. The arm goes through a slit, giving the appearance of short sleeves.

The color as well as cut of the gown varies. Although most doctoral gowns are black, in some cases their color is that of the university conferring the degree. The doctoral gown is trimmed in velvet; it has three two-inch bars on the sleeves and a five-inch border extending from the back of the neck down the two sides in front. Although usually black, the velvet may be of a color that indicates the nature of the degree. For the degree of Doctor of Philosophy, the color is dark blue, engineers may also wear orange; for Doctor of Medicine, green; for Doctor of Dentistry, lilac; for Doctor of Education, light blue; for Doctor of Science, golden yellow; for Doctor of Law, purple; for Doctor of Social Work, citron, etc. Master’s and bachelor’s gowns have no facing.

The hood seems to have had a more practical origin. During the Middle Ages monks wore them to protect their shaved heads in the winter and as a container in which to collect alms. It is the most significant part of the academic dress. Its shape and size indicates the degree of the wearer, the color of the velvet border indicates the academic field, and the color of the lining indicates the institution granting the degree. The bachelor’s hood is three feet long and has a two-inch velvet border, the master’s is three and one-half feet long and has a three-inch border, and the doctor’s is four feet with a five-inch border. The State University of New York at Buffalo hood is lined with blue and gold stripes; orange signifies engineering.

The mortarboard cap has been conventionalized from the skull cap which was worn by monks of the twelfth and thirteenth centuries. The mortarboard is usually black. Tassels are worn over the left front quarter by degree holders; candidates wear the tassel over the right front quarter until the degree is conferred.
UB Alumni
Association Letter

Dear Members of the Class of 2016,

Congratulations! Your hard work has brought you the knowledge, skills and confidence to take the next steps in your lives. Be as proud of your accomplishments as we are of you.

On behalf of the UB Alumni Association (UBAA), I welcome you to our family of UB alumni. Beginning this year, all UB graduates automatically become members of the Alumni Association. With more than 240,000 UB alumni around the world, there is power in these numbers—you will find fellow UB alumni wherever you go.

As you move forward, I encourage you to keep UB close. UBAA is here for you. We will help you stay connected through regular communication via email, At Buffalo (our quarterly magazine), and alumni chapter events across the U.S. and the world. We even have a brand new Young Alumni Program designed specifically to provide our new graduates with career help, volunteer opportunities and engaging social events.

To learn more about UBAA, the Young Alumni Program and the benefits and services available to you, plug into our vast network at buffalo.edu/alumni or contact the Office of Alumni Engagement at 1-800-284-5382 or ub-alumni@buffalo.edu.

Good luck and best wishes,

Mary Garlick Roll (MS ’88 & BS ’84)
President, UB Alumni Association

P.S. Please make sure to keep UBAA informed when your email address changes, so you don’t miss any special invitations or perks!

UB Alma Mater

Music by UB Students in 1903.
Lyrics adapted by UB Students in 2006 for contemporary use.

Verse 1:
The pride of our spirit and tradition,
Our alma mater’s truth and name declare.
Celebrate our history and wisdom,
O let us all prepare to sing her glory.

Refrain:
To Buffalo all hail to thee,
Noble and strong it’s our university!
To blue and white pledge loyalty,
Singing I will always remember thee!

Verse 2:
We’ll ever keep our standards high,
And sing UB’s praises to the sky.
Receiving the finest education,
Our knowledge we impart unto the nations.

(Repeat refrain)

Verse 3:
Our friends we’ve made with ties that bind,
A union of our spirit, heart and mind.
Together we’ll continue life’s journey,
O may dear Buffalo forever be.

(Repeat refrain)
UB Engineering and Applied Sciences
Alumni Association Letter

Engineers of 2016,

Welcome to the club! Today, you join our 30,000-strong worldwide membership of the University at Buffalo Engineering Alumni Association. In the days surrounding commencement, you will rightfully hear many voices telling you about how your class is different, and your challenges unique. It's true. The world is a dynamic place and the solutions the world will beg of you will be unlike any previously posed. After all, that is our job. We engineers find solutions to unsolved problems and our role is nothing less than essential to the continued progress of humanity. If that sounds like a big deal, it's because it is. However as you know, your solutions to your unique problems will be based on the works of engineers and scientists who have preceded you and your own work will become the foundation for your successors. The story of societal progress is the story of youth and experience working together.

Expectations can be daunting. Human instinct can be discouraging and others burdened by the baggage of “the way it’s always been done” may say it’s impossible, but your greatest success will be determined by your ability to blend the experiences of your predecessors with the wide eyed ambition of a young grad. Certainly your student experience came with its own challenges, and professional life will too. Professionally, the balance between humility and ambition is absolutely essential to ultimate success.

In addition to the world class technical education we received here at UB, I hope that you’ll take appreciation for the faculty and staff with you on your next step. It’s impossible for them to have taught you everything they’ve learned in their careers, so do not lose touch. As teachers, they take pride in seeing the growth of the careers they’ve fostered for a few years here at Buffalo. You are the youth, they are the experience. The benefits go both ways; our successes fuel their ambition as well.

If like us, you feel that the University at Buffalo School of Engineering and Applied Sciences has had a significant positive impact on your life and future, please keep in touch with the Engineering Alumni Association. At the UBEAA, we too thoroughly enjoy celebrating the successes of our fellow alumni, just as we are with you today at commencement. If the next step in your life’s journey takes you someplace unfamiliar, drop us a line. With 30,000 alumni worldwide, wouldn’t it be nice to have someone in your new home who can relate to your student experiences, show you where the good wings are, and go catch a Buffalo game on TV? If you're staying in Western New York, drop us a line. We are present and active on campus and always looking to do more to benefit the students. Whether near or far, great or small, your involvement with the UBEAA will help serve those who fill the lecture halls you vacate today. To that end, no perspective is more relevant than that of the recent graduate. To learn more about the UBEAA, contact Bethany Mazur: bl2@buffalo.edu, the UBEAA Board of Directors: ubseas@gmail.com, or visit our website at: engineering.buffalo.edu/ubeaa.

With best wishes on behalf of the University at Buffalo Engineering Alumni Association,

Kurt W.R. Bessel (BS AE 2008, MS ME 2009)
President, University at Buffalo Engineering Alumni Association

Congratulations to the graduating class of 2016!