



5-9-2015

# School of Engineering and Computer Science, Diploma and Hooding Ceremony

University of the Pacific

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# School of Engineering and Computer Science

## Diploma and Hooding Ceremony

Saturday, May 9, 2015  4 pm  
*Knoles Lawn*

University of the Pacific  
Stockton, California

*Share Your Commencement Experience*  
#UOPacific15

# ACADEMIC PROCESSION

**Banner Bearer**

**Faculty Marshals**

**Candidates for the  
Bachelor of Science Degree**

**Candidates for the blended  
Bachelor of Science Degree  
and Master of Science in  
Engineering Science Degree**

**Candidates for the  
Master of Science in Engineering  
Science Degree**

**Faculty of the School of  
Engineering and Computer Science**

**Dean of the School of  
Engineering and Computer Science**

# PROGRAM

*Dean Steven K. Howell, Presiding*

**Prelude**

Guests will please remain seated during the processional.

**Processional**

“Pomp and Circumstance,”  
March No. 1 in D, Op. 39  
Sir Edward Elgar

**Welcome** . . . . . *Dean Howell*

**Valedictory Address** . . . . . *Mr. Mehal Vitthal*

**Presentation of Graduates** . . . . . *Professor Ken Hughes*  
*Assistant Dean Gary Martin*

**Concluding Remarks** . . . . . *Dean Howell*

**Recessional**

Selections from Elgar’s Marches  
Sir Edward Elgar

A reception honoring the graduates of the School of Engineering and Computer Science will be held immediately following the Diploma and Hooding Ceremony on the lawn between Weber Hall and Burns Tower. Parents, students, faculty, honored guests and friends are cordially invited to attend.

# DEGREES CONFERRED

## *Bachelor of Science in Bioengineering*

Travis Bodnar  
Dina Elsayegh  
Edison Huang  
Sarah Mohamad Manah  
Nicole Parnala  
Dagan Poon  
Mark Rodriguez  
Darien Ryan Shimabukuro  
Victoria Jaramillo Soto\*  
Peterjames Caracena Tabada  
Warren Ladao Tamayo  
Adam Zittel

## *Bachelor of Science in Civil Engineering*

Ishtiaq Ahmad  
Sam Benjamin Attal  
Robert James Barton  
Cameron J. Best  
Breonna Marie Bookout  
Jacob Arthur Raymond Burke  
Alfredo Bustos Torres  
Alejandro Cabrera  
Bao Cha  
Jana Lynn Cicerello  
Dylan Gustavo Dibble Chavez  
Mark Raymond Dooley  
Camille-Joleen Feliciano  
Francisco Javier  
Gonzalez Gonzalez  
Said Bilal Houseyni  
Joshua Burton Kaup

Sumaiyah Khan  
Karissa Teruko Villa Kiriu  
Chelsea Lam  
John Patrick Loomis\*\*\*  
Kenny Martinez  
Stephen Isaac McGraw  
Diyue Miao  
Marcus A. Moreno  
Jeremy Muia Mululu  
Anna T. Nguyen  
Micaela Marie Nino\*  
Leida-Saraí Marroquin Ochoa  
Amanveer Pamma  
Garrett Michael Peck  
Sean Matthew Alan Pinkston  
Monica Poncini  
Ian Provan  
Todd Michael Rau  
Daniel Sanchez  
Kelly Sao  
Jeremy Sopoaga  
Steven Swain  
Christopher Ric Vander Veen\*  
Karen Aylin Vences  
Ingrid A. Verastegui  
Jose Victor Villatoro  
Mehal Vitthal\*\*\*  
Antonio Giovanni Yanez  
Deanne Zhao  
Wilson Zhu\*

## *Bachelor of Science in Computer Engineering*

Chirag Paresch Amin  
Jezryl Giron  
Kaylee Rae Grodske  
Sohaib Ahmed Khan  
Nicholas W. Low  
Donald Frank Marra\*\*\*  
Thomas Medeiros\*\*  
Samuel Colin Mills  
Aaron Michael Roider  
Nicholas M. Smith  
Jennifer Valencia\*\*  
Tristan Albert Watts-Willis\*\*

## *Bachelor of Science in Computer Science*

Joseph D. Andaya  
Kevin William Arthur  
Cody Dean Burkard\*\*  
Alex Suen-An Cheng  
Joshua Ciochon  
Scott Nicholas Denton  
Tasha Farnaam  
Anthony Wye Fong  
Stefan Harp  
Patrick Edward Holmes\*  
Shannon Jensen  
Austin Douglas Kimbrell\*\*  
Konnor Kuwahara  
Kwanghyo Andrew Lee  
Timothy Lee\*\*\*  
Selwyn Lehmann\*\*\*  
Joe Chun Leung  
Donald Frank Marra\*\*\*  
Marissa Christene Melen  
Cassandra Mestayer\*  
Ohan Paul Ohan  
Phoenix Phuong Pham\*  
Kamalei Pitoy  
James Price

Kyle Wayne Prince  
Nicos John Sampaolo  
Palak Setia  
Zeshawn Shaheen\*\*  
Kathleen Sumiko Shoga\*\*  
Scott Snow\*\*  
Xeng Vang  
Warren Whitman  
Daniel Zhao\*\*

## *Bachelor of Science in Electrical Engineering*

Ryan Gregory Cavalin  
Cuong Van Dang  
James Yinzhou Lee  
Bryson Y. Mitsui\*  
Huy Phan  
Benjamin Reese  
Chris Sanchez  
Jason Kok Sun Tam\*\*\*  
Eric Tamayo  
Bing Zhang\*

## *Bachelor of Science in Engineering Management*

Thomas Carmody  
Jason Patrick Carnes  
Nicole Renee Carter  
Karina Castaneda  
Isabelle Bossabah Chhit  
Robert Cunha  
Edgar Abbott Davis  
Amarra Gladney  
Michael A. Jimenez  
Aryn Ashley Kimura  
David Alexander Lecko  
Keiko Kaylin Lewis\*\*  
Angel Mendez  
Vanessa E. Moestopo  
Nicole Rudbeck  
Dekel Shahaff\*  
Prashant Singh

\*Cum laude \*\*Magna cum laude \*\*\*Summa cum laude

*The list of names as it appears in this program includes actual and potential graduates for the 2014–2015 academic year. The above “graduation with honors” distinctions are contingent upon final grade point average calculations at the completion of all relevant degree requirements. The official list of graduates and honors awarded for each graduation date of the 2014–2015 year is maintained by the University Registrar.*

Mirthza M. Steed  
 Chia Chun Tai  
 Ryan Benjamin Tsuda

*Bachelor of Science  
 in Engineering Physics*

Mark Berbano  
 Evan Lee Bomgardner\*\*\*  
 Pao Ma Vang

*Bachelor of Science  
 in Mechanical Engineering*

Eric Richard Adams  
 Abdulaziz Alnajdi  
 David Betteridge  
 Sam Costigan\*\*  
 Trenton Doom\*  
 Scott Ebel  
 Michael S. Fisher  
 Myron Luzod Foronda  
 Heath Highfield  
 Jason T. Lim  
 Christopher Loukopoulos  
 Jeffrey Ly  
 Eric Martinez  
 Alysha Brienne Mitchell  
 Kevin Charles Muller  
 Diego Muñoz  
 Siddhartha Nag  
 Laura Jean Prange\*\*\*  
 Mario Shaun Regacho  
 Aldo-Chentte Ernesto Ruiz\*  
 Nicholas Donald Sireci\*  
 Ezequiel Tostado  
 Ryan Traylor  
 George Turvey  
 Carlos Villegas III  
 Jesse Voelkert  
 Kevin Leigh Webster Jr.  
 Christopher Allen Wejmar\*\*\*  
 Mitchel Wendland\*\*  
 Brandon Christopher Westbrook  
 Mark Williams  
 Darren Yu

*Master of Science  
 in Engineering Science*

Alexander Santos Aguirre  
 Ryan J. Atterbury  
 Robert James Barton  
 Cameron J. Best  
 David Betteridge  
 Janpierre Agustin Bonoan  
*Dr. Shelly Gulati*  
*Thesis: Development and  
 Characterization of a Novel  
 Dissolution Test Method  
 Using a Quartz Crystal  
 Microbalance*

Pei Yuan Cheng  
 Nathaniel Michael Chin  
 Jana Lynn Cicerello  
 Scott Nicholas Denton  
 Alejandro Dominguez  
 Scott Ebel  
 Clinton Edmiston  
 Michael James Armando  
 Eiskamp  
*Dr. Elizabeth A. Basha*  
*Thesis: Implementing Sink  
 Mobility and Recharging  
 Policies Using an Unmanned  
 Aerial Vehicle*

Xin Feng  
 Michael S. Fisher  
 Francisco Javier  
 Gonzalez Gonzalez  
 Laura Hernandez Uribe  
 Peter J. Hodson  
 Matthew Troy Horner  
 Karissa Teruko Villa Kiriu  
 Arrafi Brian Everett Lee  
 Timothy Lee

Selwyn Lehmann  
 Keiko Kaylin Lewis  
 Timothy Lindberg  
 John Patrick Loomis  
 Nicholas W. Low  
 Cameron S. Lucas  
 Jeffrey Ly  
 Alex Marinov  
 Micah L. Mayne  
 Stephen Isaac McGraw  
 Marissa Christene Melen  
 Juan Mendez  
 Diyue Miao  
 Alysha Brienne Mitchell  
 Bryson Y. Mitsui  
 Kevin Charles Muller  
 Micaela Marie Nino  
 Leida-Saraí Marroquin Ochoa  
 Noel Sebastian Pacheco  
 Jacob Palmer  
*Dr. Elizabeth A. Basha*  
*Thesis: Radio Propagation  
 Analysis for Improved Path  
 Planning of UAV Data  
 Mules*

Neil Panchal  
 Ian Provan  
 Todd Michael Rau  
 Aldo-Chentte Ernesto Ruiz  
 Nicos John Sampaolo  
 Chris Sanchez  
 Dekel Shahaff  
 Zeshawn Shaheen  
 Nicholas Donald Sireci  
 Scott Snow  
 Jeremy Sopoaga

James M. Stevenson  
 George Turvey  
 Ingrid A. Verastegui  
 Kevin Leigh Webster Jr.  
 Christopher Allen Wejmar  
 Mitchel Wendland  
 Brandon Christopher Westbrook  
 Zachary Phillip Wiberg  
 Daniel Zhao

\*Cum laude \*\*Magna cum laude \*\*\*Summa cum laude

# HONOR SOCIETY INDUCTEES

## Alpha Sigma Lambda

*Alpha Sigma Lambda is the national honor society recognizing excellence among nontraditional students, meaning those who have returned to college later in life and who achieve academic excellence while also fulfilling adult duties of work and family life.*

Evan Lee Bomgardner\*  
Alejandro Dominguez\*\*  
Dekel Shahaff

\*inducted in 2014

\*\* inducted in 2013

## Phi Kappa Phi

*Among honor societies that induct members from all academic disciplines, Phi Kappa Phi, founded in 1897, is the nation's oldest, largest, and most selective. Invitation is extended to graduating seniors and graduate students in the top 10% of their class, and to juniors in the top 7.5% of their class. The mission of the society is to recognize and promote academic excellence and to engage the community of scholars in service to others.*

Evan Lee Bomgardner\*      Keiko Kaylin Lewis\*\*  
Cody Dean Burkard      John Patrick Loomis  
Pei Yuan Cheng      Laura Jean Prange  
Alejandro Dominguez\*\*      Kathleen Sumiko Shoga\*  
Arrafi Brian Everett Lee      Mehal Vitthal

Tristan Albert Watts-Willis

\*inducted in 2014

\*\* inducted in 2013

## Tau Beta Pi

*Founded in 1885 to recognize those who have conferred honor upon their alma mater by distinguished scholarship and exemplary character as undergraduates in the field of engineering, or by their attainments as alumni in the field of engineering, and to foster a spirit of liberal culture in the engineering colleges, Tau Beta Pi is the only national scholastic engineering honor society which recognizes academic excellence in all engineering disciplines.*

Alexander Santos Aguirre      Aldo-Chentte Ernesto Ruiz  
Kaylee Rae Grodske      Dekel Shahaff  
Laura Hernandez Uribe      Nicholas Donald Sireci  
Keiko Kaylin Lewis      Jason Kok Sun Tam  
John Patrick Loomis      Jennifer Valencia  
Cameron S. Lucas      Mehal Vitthal  
Thomas Medeiros      Tristan Albert Watts-Willis  
Bryson Y. Mitsui      Christopher Allen Wejmar  
Micaela Marie Nino      Mitchel Wendland  
Laura Jean Prange      Bing Zhang

Wilson Zhu

# AWARDS

## Valedictorian

Mehal Vitthal

## Outstanding School of Engineering and Computer Science Graduate

Dekel Shahaff

## Academic Excellence

Bioengineering — Peterjames Caracena Tabada  
Civil Engineering — Mehal Vitthal  
Computer Engineering — Tristan Albert Watts-Willis  
Computer Science — Timothy Lee and Selwyn Lehmann  
Electrical Engineering — Jason Kok Sun Tam  
Engineering Management — Keiko Kaylin Lewis  
Engineering Physics — Evan Lee Bomgardner  
Mechanical Engineering — Laura Jean Prange

## Outstanding Graduate

Bioengineering — Peterjames Caracena Tabada  
Civil Engineering — John Patrick Loomis  
Computer Engineering — Jennifer Valencia  
Computer Science — Kathleen Sumiko Shoga  
Electrical Engineering — Bing Zhang  
Engineering Management — Dekel Shahaff  
Mechanical Engineering — Christopher Allen Wejmar

## Outstanding Co-op

Antonio Giovanni Yanez

## Who's Who in American Universities

Evan Lee Bomgardner  
Cody Dean Burkard  
Sam Costigan  
Austin Douglas Kimbrell  
Timothy Lee  
Selwyn Lehmann  
John Patrick Loomis  
Laura Jean Prange  
Zeshawn Shaheen  
Kathleen Sumiko Shoga  
Scott Snow  
Peterjames Caracena Tabada  
Jason Kok Sun Tam  
Mehal Vitthal  
Christopher Allen Wejmar

## Scholar Athlete Laureate

Dekel Shahaff

# HISTORY OF THE SCHOOL

## The School of Engineering and Computer Science

Engineering instruction at University of the Pacific began in 1924 as an area of concentration within College of the Pacific, producing some truly outstanding graduates. In 1958, the engineering program moved from College of the Pacific under the direction of its own dean, and became the School of Engineering. Bachelors' degrees were first offered in civil and electrical engineering and engineering management. The curricula in civil and electrical engineering were accredited in fall 1971 by the Engineering Council of Professional Development, now called the Accreditation Board for Engineering and Technology (ABET).

That same year, the School adopted a mandatory cooperative education program as a requirement for graduation, providing experiential learning through a paid engineering work experience that enhances the students' academic preparation by relating theory to practice.

The degree program in computer engineering was offered in 1978 and programs in engineering physics and mechanical engineering were instituted in 1981 and 1982. All three programs subsequently received ABET accreditation. The engineering management program was formally accredited in 2003.

Bioengineering was approved in 2000 and accredited for the first time in 2012, making the University of the Pacific the first private university in California, and one of only 11 institutions on the West Coast, with a fully accredited bioengineering program.

The computer science program was accredited by the Computer Science Accreditation Commission (also now ABET) in fall 1990 as a program in College of the Pacific. Computer Science joined the School of Engineering in 2002, creating the School of Engineering and Computer Science.

The Board of Regents approved the Master of Science in Engineering Science (MSES) graduate program in April 2009. The program was successfully launched that fall, with a concentration in civil engineering. The following year,

three additional concentrations were added: electrical/computer engineering, computer science, and mechanical engineering. While laying the foundation for a graduate program, the School streamlined its undergraduate curriculum, generated more than \$8 million in external research funding, and recruited outstanding new faculty members with extensive teaching, research and industry experience.

In January 2015, the Board of Regents approved the Master in Analytics Program, which is scheduled to welcome its inaugural class in fall 2015 at Pacific's San Francisco campus. This monumental program will simultaneously leverage strengths from the Stockton campus faculty and local industry connections to create a one-of-a-kind learning experience.

The 24,000-square-foot John T. Chambers Technology Center opened for classes in fall 2010. The \$12 million facility serves as the home of the School of Engineering and Computer Science and provides a strong foundation for the MSES graduate program. Equipped with the latest technology, the Chambers Technology Center contains lecture rooms, faculty offices, conference rooms, and collaborative research and teaching laboratories where students work directly with industry and government agencies to focus on modern innovations. The Chambers Technology Center was Pacific's first building to be certified as a LEED (Leadership in Energy & Environmental Design) gold facility.

The School of Engineering and Computer Science has cast a mission statement "to provide a superior, student-centered learning environment which emphasizes close faculty-student interaction and cooperative education in order to prepare graduates who excel in engineering and computer science professions, are qualified to pursue advanced degrees and possess the technical knowledge, critical thinking skills, creativity and ethical values needed for leadership in developing and applying technology for the betterment of society and sustaining the world environment."

# PROFILE OF PACIFIC

University of the Pacific is an independent, coeducational university serving more than 6,300 students on three campuses in Stockton, San Francisco and Sacramento. It was established by pioneering Methodist ministers in 1851 as California's first chartered institution of higher learning. Pacific has earned widespread recognition for its deep commitment to teaching and learning, its history of innovation, and the accomplishments of its 55,000 living alumni.

As an innovator and leader in higher education, Pacific provided the state with its first chartered medical school in 1858 (which later became part of Stanford, and today is California Pacific Medical Center); its first coeducational campus in 1871; and its first conservatory of music in 1878. It was the nation's first to offer an undergraduate teacher corps program, the first to send an entire class to an overseas campus, the first to establish a Spanish-speaking inter-American college, and the first to offer a four-year graduation guarantee. With its move from San Jose to Stockton in 1924, Pacific became the first private four-year university in the Central Valley. Shortly after occupying the new campus, Pacific established one of California's earliest schools of education. In 1992 it was renamed the Gladys L. Benerd School of Education in honor of the alumna's endowed gift.

Pacific has enjoyed extraordinary stability in administration. Dr. Pamela A. Eibeck began her service in 2009 as the sixth President since the University's move to Stockton in 1924 and the 24th since its founding in 1851.

The University experienced its greatest growth and an expansion into graduate and professional education under the administration of Dr. Robert Burns (1947–1971). The School of Pharmacy opened in 1955. It is now the Thomas J. Long School of Pharmacy and Health Sciences in honor of the Pacific benefactor and Regent who co-founded the former Longs Drugs Stores. In 1956 the graduate school was created, and in 1957 the School of Engineering was established. The Department of Computer Science joined the school in 2002 and was subsequently renamed the School of Engineering and Computer Science.

In 1962, the University acquired the College of Physicians and Surgeons, a school of dentistry founded in San Francisco in 1896. In 2004, the school was named the Arthur A. Dugoni School of Dentistry in honor of its dean of 28 years. It was the

first time any university in the United States or Canada had named its dental school for the current dean.

Three new cluster colleges were established at Pacific in the 1960s, in the model of British universities such as Oxford and Cambridge. These colleges integrated faculty and students into distinct living and learning communities. Raymond College, established in 1962, was an accelerated, interdisciplinary liberal arts program in which students shaped their own courses of study. Elbert Covell College, established in 1963, was a unique inter-American college. Half the students were from the U.S. and half from Latin America, with classes taught in Spanish. Callison College, established in 1967, focused on non-Western studies with a year of study in an Asian culture.

The cluster colleges were absorbed into the rest of the University in 1982. Their values, including a close-knit learning community, accelerated and interdisciplinary programs, and self-designed majors, have left a lasting impact on Pacific. Their emphasis on global education continued in the School of International Studies, founded in 1987 as the first university-based undergraduate school of international studies in California. In 2012, the School of International Studies, while retaining its autonomy as a school, became part of the College of the Pacific.

In 1966, Pacific broadened its footprint to Sacramento when McGeorge College of Law, an independent law school founded in Sacramento in 1924, merged with the University as the Pacific McGeorge School of Law. In 1977, the department of business administration in College of the Pacific was reorganized as the School of Business and Public Administration. In 1995 it was renamed Eberhardt School of Business in honor of the Eberhardt family's endowed gifts. Programs designed specifically for adult re-entry students were reorganized and revitalized in 1985 through University College, now the Center for Professional and Continuing Education.

Over the last 20 years, Pacific has advanced its legacy of innovation and leadership. Under the leadership of President Donald V. DeRosa (1995–2009), the University invested more than \$200 million in facilities renovation and construction projects on all three campuses. Pacific also increased distinctive accelerated programs that enabled students to complete undergraduate studies in combination with professional degrees in pharmacy, law,



dentistry and business. The University intensified its commitment to experiential learning, including Pacific undergraduate research, internships, community service and education abroad. Pacific also launched the Brubeck Institute, dedicated to building on the legacy of Dave Brubeck '42, and the Powell Scholars Program, a premier scholarship program for undergraduate student leaders.

Dr. Pamela A. Eibeck assumed Pacific's Presidency in 2009. Under her stewardship Pacific is expanding its presence in Sacramento and San Francisco and implementing a bold new strategic vision, Pacific 2020. This vision capitalizes on Pacific's highly regarded academic programs, formative student-teacher relationships and multiple locations to position University of the Pacific to become the best teaching-focused university in California—the first choice for talented students who want excellent programs, close working relationships with faculty, a challenging but supportive learning environment, and an exciting future after graduation.

In 2013, the University received a transformational gift of \$125 million from the estate of the late Regents Robert and Jeannette Powell. The Powells were ardent champions of the University's educational mission, and great advocates for access and excellence. In accordance with their wishes, their gift has been endowed and earmarked largely for scholarships and academic programs. A large portion of the gift is being used to encourage others to make endowment gifts through the Powell Fund Match Program. Our donors' generosity and passion for Pacific will mean that generations of students will be able to achieve a superior education.

Pacific is leveraging its presence in three of Northern California's most prominent cities. In July 2014, the University opened a stunning new campus in San Francisco at 155 Fifth Street. The campus provides the requisite space and facilities for the Arthur A. Dugoni School of Dentistry to continue defining the frontiers of dental education. It also expands Pacific's educational footprint and visibility in San Francisco in the health, technology and arts and culture sectors. New academic programs in Analytics, Audiology, Music Therapy and Food Studies are enrolling for fall 2015, and additional new programs will be added in the coming years. Pacific's presence in Sacramento is also expanding, with a Master of Science in Law now available through the McGeorge School of Law, a new Physician Assistant program slated to open in 2017, and additional graduate-level programs in business, policy, health care and law under development.

President Eibeck has made community engagement a priority for the University. In 2010, Pacific launched the "Beyond Our Gates... Into the Community" initiative in order to forge community partnerships that improve lives in our region. As part of Beyond Our Gates, the University has launched The Tomorrow Project, an intensive K-12 educational outreach program, and the Beyond Our Gates Community Council, an advisory body comprising local leaders in San Joaquin County. The Community Council has garnered national attention through its work to improve K-12 education in San Joaquin County. Through the work of the council, the county has been designated a Community Pacesetter in the area of early literacy by the Campaign for Grade-Level Reading. San Joaquin County has also been named a GradNation Community by the America's Promise Alliance in recognition of efforts to increase high school graduation rates.

On July 1, 2013, University of the Pacific rejoined the West Coast Conference. A founding member of the conference, Pacific shares its sister institutions' long tradition in intercollegiate athletics and their dedication to high-quality academics and athletic success.

Pacific continues to enjoy national recognition for its leadership in higher education, consistently ranked among the best national universities and as a "Best Value" by *U.S. News & World Report* and *Princeton Review*. U.S. News also ranks Pacific very high (No.14) for ethnic diversity. In 2012, PayScale, which tracks salary information, ranked the University in the top 50 institutions in the United States for highest paid graduates.

The University remains deeply committed to its personal, student-centered approach. Faculty and staff are dedicated to excellence in teaching. Close faculty mentoring, a rich blend of liberal arts and professional education, and a broad array of experiential learning activities that prepare students for lasting achievement are hallmarks of the Pacific experience.

# SCHOOL AND COLLEGE BANNERS

School and college banners signifying each of the academic units of the University precede a unit's faculty in the procession and are displayed during the ceremony. The color of the banner symbolizes the academic discipline.

**College of the Pacific** — The golden yellow field of this banner represents the sciences, while the white letters signify the arts and humanities. Founded in 1851, the College of the Pacific is the largest and oldest academic unit.

**University Library** — This banner's lemon-yellow color represents the library sciences. The Library has supported teaching, learning and scholarship since Pacific's founding in 1851. It is home to many special collections, including the papers of naturalist John Muir and musician Dave Brubeck.

**Conservatory of Music** — The tradition of representing music with the color pink originated at Oxford University. Pacific's Conservatory, established in 1878, is the first university-affiliated school of music in the West.

**Arthur A. Dugoni School of Dentistry** — The lilac color of dentistry forms the field for this banner. Founded in 1896 as the College of Physicians and Surgeons, the School became part of the University in 1962. It is named in honor of the alumnus who served as dean of the school from 1978 to 2006.

**Pacific McGeorge School of Law** — Purple, a color traditionally associated with royalty and governance, represents the law. Named in honor of its founder, Verne Adrian McGeorge, the School opened in 1924 and merged with Pacific in 1966.

**Gladys L. Benerd School of Education** — The light blue field signifies disciplines related to education. The School is named in honor of the distinguished alumna who bequeathed the school with an endowment. It was founded in 1924 when the University moved to Stockton.

**Thomas J. Long School of Pharmacy and Health Sciences** — Pharmacy is represented by olive green, a color associated with healing herbs. The School, established in 1955, is named for the benefactor and Regent who, with his brother Joseph, founded Longs Drugs Stores.

**Research and Graduate Studies** — Red-orange signifies this division, which was established in 1956 as Pacific expanded its graduate degree offerings.

**School of Engineering and Computer Science** — This banner's orange represents the engineering and computer science disciplines. The School was founded in 1957 from a department that dates to the 1930s.

**Eberhardt School of Business** — The School's banner features an olive brown field. Founded in 1977, the School was renamed in 1995 in honor of the Eberhardt Family's endowed gifts.

**School of International Studies** — Peacock blue symbolizes the field of international studies. The School was established in 1987 with a gift from George and Isabelle Wilson.

# SIGNIFICANCE OF ACADEMIC REGALIA

Distinctive academic dress can be traced back to the universities of the Middle Ages when university students and faculty wore the robes of the clergy. Today three ranks of degrees are distinguished through variations in the robes, which also indicate the discipline and the university that awarded the degree.

In the United States, gowns generally are black. The color of the edging of the hood and occasionally the color of the facing and crossbars on the doctoral gown indicate the field of learning in which the degree is awarded. The colors of the lining of the hood are those of the institution awarding the degree. Generally, bachelor's and master's tassels are black, and doctoral tassels are gold. After graduation the tassel is worn on the left side of the Mortarboard. An individual's degree is revealed by the type of gown and width of the edging on the hood.

Bachelor's gowns have full, pointed sleeves with no trimming. Hoods have a two-inch edging. Master's gowns prior to 1960 had full, closed sleeves with the arm emerging through a slit at the elbow. In 1960, the gown was modified replacing the elbow slit with an opening at the wrist, and the gown was made to close. Hoods have a three-inch edging. Doctor's gowns are of silk, have rounded sleeves, velvet facing down the front and three velvet crossbars on each sleeve. Hoods have side panels and a five-inch facing.



## *Pacific Hail!*

Words and Music by  
Lois Warner Winston '23, '58

*From o'er the rugged mountains  
standing high;*

*From out the broad low valleys,  
'neath the sky;*

*Our alma mater calls, we cannot fail,*

*Our voices blend in praise,*

*Pacific Hail! Pacific Hail!*

*Long may her flaming torch give out its light;*

*Long may her spirit guide us in the right;*

*To her we pledge our hearts,  
We dare not fail;*

*To her we raise our song,*

*Pacific Hail! Pacific Hail!*

**School of Engineering  
and Computer Science**

**209.946.2151  
Pacific.edu/ENG**