



5-13-2017

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

University of the Pacific

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UNIVERSITY OF THE  
**PACIFIC**

School of Engineering  
and Computer Sciences

Diploma and Hooding Ceremony

Saturday, May 13, 2017 — 4 pm

*Knoles Lawn*





# School of Engineering and Computer Science

## Diploma and Hooding Ceremony

Saturday, May 13, 2017 ↗ 4 pm  
*Knoles Lawn*

University of the Pacific  
Stockton, California



*Share Your Commencement Experience*  
#UOPacific17

# ACADEMIC PROCESSION

**Banner Bearers**

**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 Analytics 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 (1857–1934)

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

**Valedictory Address** . . . . . *Colleen Motoyasu '17*

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

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

**Recessional**

Selections from Elgar’s Marches  
Sir Edward Elgar (1857–1934)

# DEGREES CONFERRED

## *Bachelor of Science in Bioengineering*

Jessica Lee Abrolat  
Shubhraj Singh Bhinder\*  
Rachel Flores  
Terry George  
Kelly Inuzuka  
Ryan Leguidleguid  
Cristina Mardones  
López-Abadía  
Colleen Takayo Motoyasu\*\*\*  
Bridget Murphy  
Gina L. Myers\*\*  
Ricardo Manuel Ramos\*  
Christian I. Rodriguez

## *Bachelor of Science in Civil Engineering*

Dashiell Bong  
Victor Hugo Calderon Jr.  
Justin Christopher  
Chin Wong  
Jordyn Ashleigh Doyle  
J.P. Gutierrez  
Cheyanne Elia Harris\*  
Jacqueline Koyama\*\*\*  
Eliana Lemus  
Regina Manneh  
Joseph McElhany  
Jacqueline Keiko Pagaduan\*\*\*  
Michael Reilly Sitzmann  
Brockton Swift  
Ellen Taylor Tiedemann\*\*  
Pha V. Tran\*  
Christopher Matthew Welch  
Robert Anthony Wikoff  
Jason Wong

## *Bachelor of Science in Computer Engineering*

David Mark Bergstrom  
Jim Chacko  
Logan Christopher Chavez  
Bryan D Ching\*\*  
Jerrell Laymon Gardner  
Jihun Kang  
Jose Bonifacio Meza  
Connor J. Morales\*\*  
John Daniel Volpi\*

## *Bachelor of Science Computer Science*

Eric H. Beutler\*\*  
Shandip Bhangal\*\*  
Stephen Blevins  
Christopher Charles Bolt  
Stephen T. Carpenter  
Miguel Cervantes  
Alexander Jim Cocolos  
Glenn R. Contreras\*  
Leo Jon Christopher Imutan  
Parth Italia  
Scott Jones  
Lucas G. Jovalis  
Jason Yen Jung  
Aung Myat Kyaw  
Justin Le  
Blake Andrew Lemons  
Trevor J. Martin  
Alexis Miranda  
Lauren-Jiavanna  
Mitama Morita\*\*  
David Duy Ngo  
Zehao Pan

Hyunjun Park  
Kyle Huy Phan  
Andre Allan Ponce  
Obaid Rehman  
Austin Charles Schafer  
Sukhdip Singh  
Nathan Stowe  
Isabelle Tran\*\*  
Jared Vu  
Alicia W. Wong\*\*  
Nathan Wong  
Zhiyun Yan  
Josiah Shizuo Yoshimura

## *Bachelor of Science in Electrical Engineering*

Adeel Ahmed  
Taryn Hong Aranador  
Fehzaan Aziz  
Christopher Michael Baun  
Ryan Chen  
Justin Giardino  
Samir J. Hernandez  
Jintao Hu  
Connor J. Morales  
Jonathan Moreno  
Iain Murphy\*\*  
Sean S. Tanaka  
Chao Yang  
Liane Akemi Young\*

## *Bachelor of Science in Engineering Management*

Kale Alexander Ai  
Pablo J. Bernardino Jr.  
Aaron Gomez  
Joshua John Edward Gualco  
Jérôme V. Gueguen\*  
Asael Gutierrez  
Kelly Inuzuka  
Yonghoon Kim

Louis Mark Moresco  
Maria Elena Nguyen  
Christopher Nicholson  
Alexander Obert  
Danielle Ota  
Sean Allen Snyder  
Marshall Thompson  
William Michael Zdeblick

## *Bachelor of Science in Engineering Physics*

Cody James Berchem\*\*  
Brian C. Farr  
Richard Le Huynh  
Beata Jane Meluch\*\*

## *Bachelor of Science in Mechanical Engineering*

James Douglas Benefield  
Jordan Briggs\*  
Jacob Bullard  
Kino Codner  
C. Cameron Cornell  
Carter Crowell  
Gerold D. Curell  
Daniel Ngoc Doan  
Joshua Tyler Dorris  
Remy Maxwell Doucet  
Colton Josef Garrett Douda  
Amanda Rose Gee  
Austin Hagyard\*  
Johanna Corrine Jacobi\*  
Benjamin Jamison  
Kevin Lee Johnson\*  
Christopher Kam  
Courtney Lianne Lowe  
Matthew Robert McKaig\*\*  
Tony Anh-Thu Nguyen  
Craig Pham  
Beau Powell  
Jason Robbins

\*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 2016–2017 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 2016–2017 year is maintained by the university registrar.*

Alexander Romelfanger\*\*  
Ashwin Ryan Sharma  
Harjinder Singh  
Faithe Yates  
Eric Zhang

*Master of Science in Analytics*

Pei Yuan (Angela) Cheng  
Fernanda Arlene De La O  
Kristen Irene Guy  
Marc William Edward Hutley  
Julie H. Kiani  
Andrew C. Lee  
Pablo Lopez  
Aaron Makubuya  
Jeffrey F. Miller  
Prasant V. Nanisetty  
Mary Nevis  
Eric Stephen Salmon  
Breton James Shindel  
Heather M. Steich  
Lorraine Williams

*Master of Science in  
Engineering Science*

Aparna Adlakha  
Melayne Simone Alexander  
James Douglas Benefield  
Cody James Berchem  
Shandip Bhargal  
Jordan Briggs  
Jordan Robert Brower  
Glenn R. Contreras  
Joshua Tyler Dorris  
Jordyn Ashleigh Doyle  
Lia Genovese  
Ryan Robert Gleave  
Caitlin Hisayo Hamada  
Patrick Edward Holmes

Parth Italia  
Jason Yen Jung  
Jacqueline Koyama  
Tianxiang Liu  
Cristina Mardones  
López-Abadía  
Trevor J. Martin  
Matthew Robert McKaig  
Thomas Medeiros  
*Dr. Elizabeth Basha*  
*Thesis: Online Visual Water  
Differentiation and Sensor  
Node Deployment Using  
Unmanned Aerial Vehicles*  
Connor J. Morales  
Lauren-Jiavanna  
Mitama Morita  
David Duy Ngo  
James Rinaldi  
*Dr. Jinzhu Gao*  
*Thesis: A Distributed Digital  
Rights Management and  
File Distribution System  
Using Blockchains*

Austin Charles Schafer  
Michael Reilly Sitzmann  
Brockton Swift  
Ryan Andrew Azevedo Teixeira  
Pha V. Tran  
Alexandro Vargas  
*Dr. Jiancheng Liu*  
*Thesis: Machinability Study  
of Silicon Carbide Particle-  
Reinforced Aluminum Alloy  
Composite with CVD  
Diamond Coated Tools*

Tristan Watts-Willis  
*Dr. Elizabeth Basha*  
*Thesis: Autonomous Model  
Selection for Surface  
Classification via Unmanned  
Aerial Vehicle*

Christopher Matthew Welch  
Alicia W. Wong

Pranavi Yalamanchili  
*Dr. Vivek Pallipuram*  
*Thesis: A Multi-Level  
Implementation of Image  
Amplification on the  
GPGPU Device*

Ming Zhu  
*Dr. Jiancheng Liu*  
*Thesis: Shape from Focus  
Based 3D Remodeling of  
Micro Cutting Tool*

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



# HONOR SOCIETY INDUCTEES

## Phi Beta Kappa

*Founded in 1776, Phi Beta Kappa is the oldest academic honor society in the United States and the first fraternity to use a Greek letter name. The society embraces principles that lay the foundations of personal freedom, scientific inquiry, liberty of conscience, and creative endeavor. Phi Beta Kappa recognizes the highest achievement in the liberal arts, with a small number of members selected from among the top 10% of their class. Nationwide each year, about one college senior in a hundred is invited to join Phi Beta Kappa.*

Lauren-Jiavanna Mitama Morita

## 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.*

Shandip Bhargal***	Colleen Takayo Motoyasu**
Pei Yuan (Angela) Cheng**	Alexander Romelfanger ***
Jacqueline Koyama**	Ellen Taylor Tiedemann ***
Lauren-Jiavanna Mitama Morita*	Tristan Albert Watts-Willis**
Pranavi Yalamanchili	

\*inducted in 2014

\*\*inducted in 2015

\*\*\*inducted in 2016

## 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.*

Cody James Berchem	Thomas Medeiros
Jordan Briggs	Beata Jane Meluch
Bryan D. Ching	Colleen Takayo Motoyasu
Ryan Robert Gleave	Jacqueline Keiko Pagaduan
Cheyenne Elia Harris	Alexander Romelfanger
Johanna Corrine Jacobi	Ryan Andrew Azevedo Teixeira
Jacqueline Koyama	Ellen Taylor Tiedemann
Matthew Robert McKaig	Liane Akemi Young

# AWARDS

## Valedictorian

Colleen Takayo Motoyasu

## Outstanding School of Engineering and Computer Science Graduates

Gina L. Myers  
Alexander Obert

## Academic Excellence

Bioengineering — Shubhraj Singh Binder  
Civil Engineering — Jacqueline Koyama  
Civil Engineering — Jacqueline Keiko Pagaduan  
Computer Engineering — Bryan D. Ching  
Computer Science — Alicia W. Wong  
Electrical Engineering — Connor J. Morales  
Engineering Management — William Michael Zdeblick  
Engineering Physics — Beata Jane Meluch  
Mechanical Engineering — Matthew Robert McKaig

## Outstanding Graduates

Bioengineering — Ricardo Manuel Ramos  
Civil Engineering — Cheyanne Elia Harris  
Civil Engineering — Ellen Taylor Tiedemann  
Computer Engineering — Connor J. Morales  
Computer Science — Shandip Bhargal  
Computer Science — Lauren-Jiavanna Mitama Morita  
Electrical Engineering — Iain Murphy  
Electrical Engineering — Liane Akemi Young  
Engineering Management — Alexander Obert  
Engineering Physics — Richard Le Huynh  
Mechanical Engineering — Kevin Lee Johnson

## Outstanding Co-Op

Jonathan Moreno

## Scholar Athlete Laureate

Matthew Robert McKaig  
Ellen Taylor Tiedemann

# 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 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. A concentration in engineering management was then added in 2016.

In 2015, the Board of Regents approved the Master in Analytics Program, which welcomed its inaugural class in fall of that year 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. In 2016, an expansion of the analytics program to the Sacramento campus was proposed and approved, and classes began in spring 2017. To further highlight the focus of the degree, in 2017, the Board of Regents approved the renaming of the program to the Master in Data Science. The new name will go into effect beginning in fall 2017.

In 2017, the Board of Regents approved the Master of Science in Cybersecurity degree program, with plans to welcome the inaugural class in fall 2017. The hands-on, deeply technical courses are taught by dedicated faculty on Pacific's Stockton Campus in a new state-of-the-art cybersecurity classroom and laboratory.

The 24,000-square-foot John T. Chambers Technology Center opened for classes in fall 2010. This \$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

## Preparing our students: success after graduation

University of the Pacific provides a superior, student-centered learning experience that integrates liberal arts and professional education to prepare students for lasting achievement and responsible leadership in their careers and communities.

At six months after graduation, nearly 90 percent of the Class of 2016 was employed or accepted to a graduate or professional school, completing a post-graduate internship or fellowship, or serving in a military or community service experience. In 2016, Pacific alumni salaries ranked No. 2 in California compared to similar institutions, according to the White House College Scorecard. Overall, Pacific ranked No. 7 among California's 348 colleges and universities for alumni salaries.

## Looking back: our unique history

University of the Pacific was established in 1851 as California's first chartered institution of higher learning. It was founded by pioneering Methodist ministers remains the only Methodist-related university in California. Originally located in Santa Clara, the university later moved to San Jose and, in 1924, moved to Stockton, making it the first private four-year university in the Central Valley.

An innovator and leader in higher education, Pacific provided California with its first chartered medical school in 1858, 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.

Pacific has enjoyed extraordinary stability in administration. 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.

Under the leadership of President Eibeck, Pacific continues to expand its academic offerings in Sacramento and San Francisco as guided by our strategic plan. The plan capitalizes on Pacific's highly regarded academic programs, formative student-teacher relationships and multiple locations to position Pacific as the best teaching-focused university in California.

## Looking forward: innovating with the times

Today, University of the Pacific is a highly ranked national university that remains deeply committed to its personal, student-centered approach. Campuses in Stockton, Sacramento and San Francisco strategically position Pacific in three of California's, and the nation's, most important and dynamic markets. The university earns widespread recognition for its deep commitment to teaching and learning, its history of innovation and the accomplishments of its alumni.

Pacific has added more than a dozen new academic programs across its three campuses over the last two years. Once the exclusive homes to Pacific's law and dental schools, the Sacramento and San Francisco campuses now reach new students with graduate programs in data science, physician assistant studies, audiology, music therapy, education, public policy, and public administration. These programs help address the region's critical need for leaders in technology, health care, education, government and nonprofit sectors.

This fall, the Stockton Campus will host new graduate and undergraduate programs designed to equip students for success in the digital era, including a master's in cybersecurity and Media X, a program that integrates the analysis, performance, production, marketing, and management of traditional, digital, and emerging media.

## Beyond academics: Pacific's community impact

In addition to academics, Pacific is making a positive community impact across the Northern California region through tens of thousands of hours of public outreach, innovative new programs and the efforts of students, faculty and staff across the university. For example, the Thomas J. Long School of Pharmacy and Health Sciences held its 100th Mobile Medicare Clinic and celebrated a decade of free clinics that have saved more than 5,500 Medicare recipients upwards of \$5.7 million in prescription drug costs. Since 2010, more than 3,000 of the most vulnerable and underserved in our communities have received health care services through our Virtual Dental Home program, a revolutionary new care delivery system developed by Pacific's Center for Special Care. And McGeorge's legal clinics on important topics, such as immigration law, benefit the community while preparing students through meaningful experiential learning.

## **Our schools, majors and programs**

Pacific's nine schools and college on its three campuses offer students their choice of 80-plus majors, including 25 graduate programs and 10 accelerated program options. For example, students can go directly into certain professional programs, including pharmacy, dentistry and law, while accelerated programs in business, engineering and education make it possible to earn both undergraduate and graduate degrees in five years.

### **College of the Pacific (1851)**

The College of the Pacific is the oldest and largest academic unit, encompassing 18 departments and 29 majors in the natural sciences, social sciences, humanities, and the fine and performing arts. Based upon its foundation of a rigorous liberal arts curriculum, the College champions experiential learning through undergraduate research and creative activity, fieldwork, internships, and study abroad. The College prepares graduating students to command a broad perspective in their professional careers, ready to assume the responsibilities of leadership.

### **Conservatory of Music (1878)**

Pacific's Conservatory of Music has been delivering an outstanding music education for more than 135 years. Degree programs are offered in performance, composition, jazz, education, management, music therapy and history. Conservatory faculty artists/scholars provide a rigorous and supportive learning environment. Students have access to a recording studio, technology and composition labs. Seminars and master classes with accomplished alumni and visiting artists along with numerous performance and other experiential opportunities help prepare graduates for professions in music.

### **Arthur A. Dugoni School of Dentistry (1896)**

The nationally renowned Arthur A. Dugoni School of Dentistry, named in honor of its dean of 28 years, is committed to providing a world-class dental education for its students and comprehensive, affordable patient care for adults and children. The Dugoni School is highly regarded for its humanistic model of education that respects the dignity of each individual and for innovation in dental curriculum, including comprehensive patient care and competency-based education. Its programs include an accelerated year-round pre-doctoral DDS program that enables students to complete four academic years of instruction in three calendar years.

### **McGeorge School of Law (1924)**

McGeorge educates lawyers for large and small law firms, government agencies and corporate legal departments around the world. McGeorge's success is built on its distinguished faculty, high quality students, committed and involved alumni, and beautiful, spacious campus with state-of-the art classrooms and student facilities. McGeorge is a dynamic law school that is changing and growing to meet the challenges of the global economy and to educate the lawyers who will be tomorrow's leaders.

### **Gladys L. Benerd School of Education (1924)**

The Benerd School of Education, named in honor of an alumna's endowed gift, has educated future professionals in learning, education, and leadership roles for more than 90 years. Benerd School faculty prepare students for service in public and private education and learning-related professions in other sectors; provide programs for current educational professionals to update and upgrade their understanding, knowledge and skills; and promote and engage in research leading to better education and learning.

### **Thomas J. Long School of Pharmacy and Health Sciences (1955)**

The Thomas J. Long School of Pharmacy and Health Sciences is named in honor of the financial commitment of the Thomas J. Long Foundation and the Long family. The School offers a three-year accelerated pharmacy program, provides speech-language pathology students early clinical experience, prepares highly-trained audiologists and produces practice-ready physical therapists. The School is committed to creating a leadership focused, success centered environment for its diverse student body. Students are empowered to succeed through meaningful, experiential learning in state-of-the-art laboratories. The School's programs have received continuous national accreditation.

### **School of Engineering and Computer Science (1957)**

The School of Engineering and Computer Science empowers its students to solve problems by developing their own projects and working alongside professors on contemporary research. The School's faculty take each student's education personally and are committed to mentoring them both inside and outside of the classroom. With its distinguished cooperative education program, students also get to 'learn and earn' through a paid professional internship, built right into the curriculum, with one of the School's 200-plus industry partners worldwide.

## **Eberhardt School of Business (1977)**

The Eberhardt School of Business was renamed in 1995 in recognition of the Eberhardt family's endowed gifts. Fully accredited by the Association to Advance Collegiate Schools of Business, the School boasts a \$3 million Eberhardt Student Investment Fund, a dedicated Career Management Center, top-rated faculty, state-of-the-art classroom technology, and exceptional experiential learning opportunities. The School offers valuable leadership development and business resources through its centers and institutes, including the Center for Business and Policy Research, Center for Entrepreneurship, Westgate Center for Leadership and Management Development and Institute for Family Business.

## **School of International Studies (1987)**

A school within College of the Pacific, the School of International Studies is devoted to the interdisciplinary study of international affairs. International, interdisciplinary and intercultural immersion, acquisition of at least one second language and at least a semester of study abroad prepare students to succeed in a variety of professions in industry, government, not-for-profit organizations and educational institutions. The School's programs help students develop strong analytical reasoning ability and strengthen written and oral communication skills while building intercultural competence and personal confidence.

## **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.

# 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.

**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.

**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.

**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.

**Thomas J. Long School of Pharmacy and Health Sciences** — Pharmacy is represented by olive green, a color associated with healing herbs.

**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.

**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.





## *Pacific Hail!*

Words and Music by  
Lois Warner Winston '23

*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

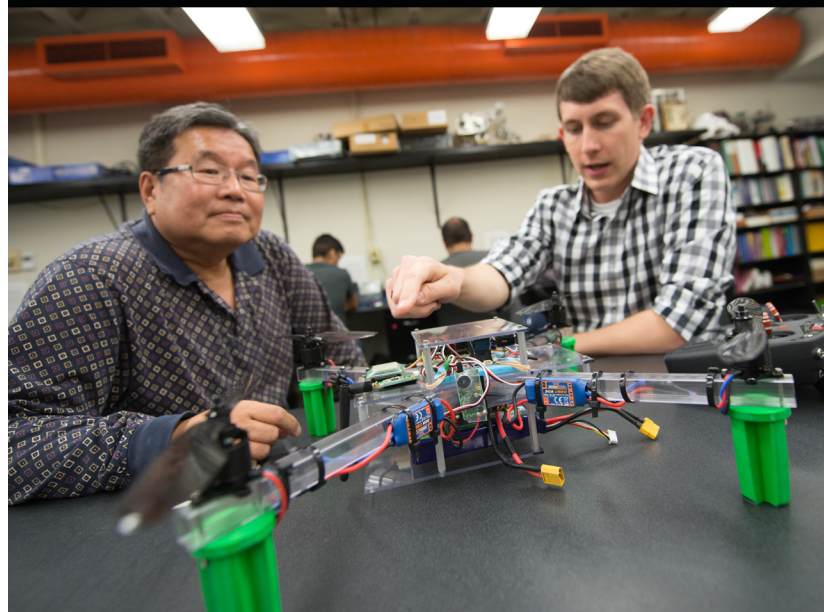
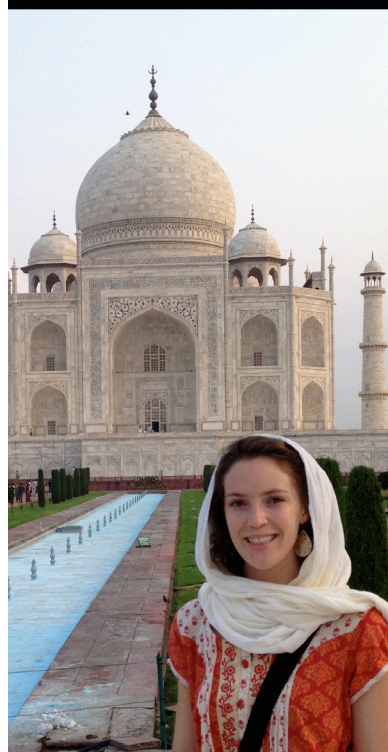
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# Pacific Firsts

*University of the Pacific was the first:*

Chartered Institution of Higher Education  
in California



Chartered Medical School on the West Coast, 1858



Co-educational Campus in California, 1871



Conservatory of Music in the West, 1878



Four-year Private Institution  
in the Central Valley of California



To Offer an Undergraduate Teacher Corps Program



To Send an Entire Class to an Overseas Campus



To Establish a Spanish Speaking  
Inter-American College



University-based Undergraduate  
School of International Studies in California



University to Offer a Four-year Guarantee



University to Offer Matching Cal Grants

UNIVERSITY OF THE  
**PACIFIC**

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