



5-11-2019

School of Engineering and Computer Science, Diploma and Hooding Ceremony

University of the Pacific

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Recommended Citation

University of the Pacific, "School of Engineering and Computer Science, Diploma and Hooding Ceremony" (2019). *Commencement Programs*. 125.

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SCHOOL OF ENGINEERING AND COMPUTER SCIENCE

Diploma and Hooding Ceremony

Saturday, May 11, 2019, 4 p.m.
Knoles Lawn



UNIVERSITY OF THE PACIFIC

SCHOOL OF ENGINEERING AND COMPUTER SCIENCE

Diploma and Hooding Ceremony

Saturday, May 11, 2019, 4 p.m.
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ACADEMIC PROCESSION

| | |
|---|--|
| Banner Bearers | Candidates for the Master of Science in Data Science Degree |
| Faculty Marshals | Candidates for the Master of Science in Engineering Science Degree |
| Candidates for the Bachelor of Science Degree | Faculty of the School of Engineering and Computer Science |
| Candidates for the blended Bachelor of Science Degree and Master of Science in Engineering Science Degree | Dean of the School of Engineering and Computer Science |
| Candidate for the Master of Science in Cybersecurity Degree | Mace Bearer |

PROGRAM

| | |
|--|--|
| <i>Dean Steven K. Howell, Presiding</i> | Presentation of Graduates <i>Dr. Kenneth F. Hughes Associate Professor</i> |
| Prelude Guests will please remain seated during the processional. | <i>Dr. Michael Doherty Associate Dean</i> |
| Processional “Pomp and Circumstance,” March No. 1 in D, Op. 39 Sir Edward Elgar (1857–1934) | Concluding Remarks <i>Dean Howell</i> |
| Welcome | Recessional Selections from Elgar’s Marches Sir Edward Elgar (1857–1934) |
| Valedictory Address | |
| | <i>Avi Graber Minh H. Pham</i> |

DEGREES CONFERRED

| | | | |
|---|---|--|--|
| <i>Bachelor of Science in Bioengineering</i> | Saichandana Kothur Johnny Raymond Lam† Analynne Mepa Madrid Eric Martin Ryan Allan McVicar* Jamie Anne Zapatos Narciso** Giacomo Pacioni Matthew Panesis | <i>Bachelor of Science in Civil Engineering</i> | Gabriela Ruvalcaba Lillian Sam Jacob Smith** Courtney Lea Vierra Stefanos George Word**† |
| Orion Candelario Capuyon Serena Chu** Nicholas Heredia† Priscilla Hernandez Haro† Isabelle Michelle Huynh Firdaus Jahangir Haris Jebrini* | | Neil Hathaway Irani** Gimelle Escobar Jacala** Muhammad Khan*** Jeric Ishmael Degracia Lagmay Ethan David Malonzo Andres Muñoz Travis Nicholas Pazin** | <i>Bachelor of Science in Computer Engineering</i> Zachariah Glenn Abuelhaj**† Crystal Beltran-Sanchez** |

Michael Mark Hsueh
Christian James Jemera
Dan Justin Lim
Tyler James Maroney
Eric D. Nooteboom
Caleb Daniel Rash***†
Simrandeep Singh

***Bachelor of Science and
Bachelor of Science in
Computer Science***

Brendan Ryan Ahdoot
Jake Anhaltzer
Danilo Michael Baledio
Jacob Barajas
Mark Borisovich Bely†
Henry Hoi Cheung***
Nathaniel Chica
Jamie Lynn Lambarte Culilap*
Michael L. Davis†
Nicholas Dennan Fasan
Carlos Flores Jr.
Clarissa Franke*
Noah Douglas Garner
Sahibjit Gosal***
Gurkirt Heerey
Anthony Elias Helou
Jesse Alejandro Hill
Alexander Lee
Maxine Lien***
Maximo T. Macchi**
Carmie Kim Trang Mach
Michael Myers**
Ali Noorani
Naomi Wilma Nunis
Alexander Pelavin***
Minh H. Pham***
Samandar Free Sabetan**
David Samuel**
Katya M. Sheth
Navjot Singh**†
Joseph O. Soares†
Ryan J. Su
Jesse Talamantes*
Jack Aaron Thias*†

Pranav Thirunavukkarasu
Anthony Ngoc Tran**
Nathan Yale Verlin**†
Jeffrey Wu

***Bachelor of Science in
Electrical Engineering***

Gustavo Elias Bartolo
Erin Justin Adaoag Dural
Hui Er
Celine Onchengco Esteron
Catherine Hsiao*
Jason Thomas Kerins***†
Luis A. Mendoza-Leal
Charles S. Reyes
Harnak Singh
Angel Giovanni Tejada
Ashwin Thiagarajan
Cory Tran***†
Christopher John Uramoto
Sophal Vuong*†

***Bachelor of Science in
Engineering Management***

Suman Kumar Bhardwaj
Mackenzie S. Cook
Jessica Huey Huang
Jeddidiah Cody Mack
Stella Rakhlina**
Eduardo Jaime Rodriguez
Emanuel J.R. Rodriguez

***Bachelor of Science in
Engineering Physics***

Taryn Barker
Gustavo Elias Bartolo
Guy Carleton Moore***
Marlise van Tonder

***Bachelor of Science in
Mechanical Engineering***

Abdulrahman Mohammed
Alshaker
Jeffrey Aube
Craig Austin Lim Chavez***
Jeremy Francis Clay
Benjamin Conger
Roberto J. Delucca†

Jackson Rand Dugoni**
Natalie Giang†
Avi Graber***
Ivy Jane Bautista Halog
Emily Kendall Harris
Alexander Hui†
Peter Hyatt**
Tyler Ferrari Kuhn**†
Matthew C. Lee
Kevin Lei
Jesus Leon Calderon
Douglas Reed Muller
Kevin Nijjar
Michael Nord**
Brian Charles Popish
Nikaansha Anokha Prasad
Jacob Christian Taylor
Ramme
Erica Roy Santos Ramos
Ruben Anthony Raygoza**
Ivan Reynoso**
Cristian Alejandro Rodriguez
William Clark Rymers
Trevor James Joseph
Speckman***†
Tyler S. Sutherland
Megan Waller***
Yuan Zhao

***Master of Science in
Cybersecurity***

Minh X. Tran

***Master of Science in
Data Science***

Bryce Ellen Beckwith
Ramón Yopez Cervantes
James Michael Hendrickson
Austin Gregory Jarvis
Joseph Jung
Sung Joong Kim
Yeo Joong Kim
Dan Lee Kleinfelder
Alan Kuang
Wei-Li Christy Kuo
Denise Lai-Ying Lee

David Liu
Brendon Ngo
Brandon Wesley Reynolds
Max Riching
Matthew Swogger May
Seyed Ali Taheri Tari
Arda Ugur
Rui “Ray” Wu
Kevin Zakes

***Master of Science in
Engineering Science***

Zachariah Glenn Abuelhaj†
Mark Borisovich Bely†
Deana Maria Ceja
Michael L. Davis†
Roberto J. Delucca†
Shalayna Ying-Heung Doe
Derek Christian Eells
Jerrell Laymon Gardner
Natalie Giang†
Nicholas Heredia†
Christopher Raymond Hilton

Daniel Hong
Alexander Hui†

Jason Thomas Kerins†
Edward Kim
Tyler Ferrari Kuhn†
Aung Kyaw

Johnny Raymond Lam†

Eric T. Lindholm

Zehao Pan

Caleb Daniel Rash†

Zachary Charles Shields

Navjot Singh†

Joseph O. Soares†

Trevor James Joseph
Speckman†

Jack Aaron Thias†

Cory Tran†

Khuong Tran

Nicholas Vaughn

Nathan Yale Verlin†

Sophal Vuong†

Stefanos George Word†

AWARDS

Valedictorians

Avi Graber
Minh H. Pham

Outstanding School of Engineering
and Computer Science Graduates

Zachariah Glenn Abuelhaj
Guy Carleton Moore

Academic Excellence

Bioengineering — Jamie Anne Zapatos Narciso
Civil Engineering — Muhammad Khan
Computer Engineering — Caleb Daniel Rash
Computer Science — Minh H. Pham
Electrical Engineering — Cory Tran
Engineering Management — Stella Rakhlina
Engineering Physics — Guy Carleton Moore
Mechanical Engineering — Avi Graber

Outstanding Graduates

Bioengineering — Serena Chu
Civil Engineering — Jacob Smith
Computer Engineering — Crystal Beltran-Sanchez
Computer Science — Jamie Lynn Lambarte Culilap
Electrical Engineering — Sophal Vuong
Engineering Management — Mackenzie S. Cook
Engineering Physics — Gustavo Elias Bartolo
Engineering Physics — Marlise van Tonder
Mechanical Engineering — Megan Waller
Mechanical Engineering — Craig Austin Lim Chavez

Outstanding Co-Op

Clarissa Franke

Scholar-Athlete Laureates

Peter Hyatt
Marlise van Tonder
Nathan Yale Verlin

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.

Henry Hoi Cheung

Neil Hathaway Irani

Minh H. Pham

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.

Tyler Ferrari Kuhn*

Guy Carleton Moore**

Minh H. Pham**

Caleb Daniel Rash**

Jacob Smith**

Megan Waller**

*inducted in 2016

**inducted in 2017

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 that recognizes academic excellence in all engineering disciplines.

Serena Chu

Derek Christian Eells

Peter Hyatt

Gimelle Escobar Jacala

Jason Thomas Kerins

Tyler Ferrari Kuhn

Guy Carleton Moore

Jamie Anne Zapatos Narciso

Michael Nord

Travis Nicholas Pazin

Zachary Charles Shields

Jacob Smith

Trevor James Joseph Speckman

Khuong Tran

Nicholas Vaughn

Megan Waller

*Cum laude **Magna cum laude ***Summa cum laude †Candidate for the blended Bachelor of Science Degree and Master of Science in Engineering Science Degree

The list of names as it appears in this program includes actual and potential graduates for the 2018–19 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 2018–19 year is maintained by the university registrar.

HISTORY OF 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 and became the School of Engineering under the direction of its own dean. Bachelor’s 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 cooperative education program as a requirement for graduation, providing experiential learning through a paid engineering work experience, which enhances students’ academic preparation by helping them relate 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, respectively. 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 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 added in 2016.

In 2015, the Board of Regents approved the Master of Science in Analytics program, which welcomed its inaugural class in fall of that year at Pacific’s San Francisco Campus. This monumental program has simultaneously leveraged strengths from the Stockton Campus faculty and local industry connections to create a one-of-a-kind learning experience. To further highlight the focus of the degree, in 2017, the Board of Regents approved the renaming of the program to the Master of Science in Data Science, and approved the Master of Science in Cybersecurity degree program. The new name and new program went into effect beginning fall 2017.

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 that emphasizes close faculty-student interaction, experiential education and distinctive research opportunities. Graduates will be prepared to excel as professionals, pursue advanced degrees and possess the technical knowledge, critical thinking skills, creativity and ethical values needed to lead the development and application of technology for bettering society and sustaining the world environment.

PACIFIC HAIL!

*Words and Music by Lois Warner Winston '23
(October 8, 1901 - April 1, 1989)*

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!