

CALIFORNIA STATE UNIVERSITY
LONG BEACH



**CLASS OF 2026
COMMENCEMENT**

College of
Natural Sciences
& Mathematics

▲ 2026 COMMENCEMENT CEREMONY



Photo above: Carlson Bloc Bell Tower. In 1965, the International Sculpture Symposium contributed nine monumental pieces and designs to CSULB. These works received credits in 21 national and international publications, and, in 1972, additional community funds in the form of a trust provided for the completion of the Carlson Memorial Tower, designed by French sculptor Andre Bloc.

Welcome to

CALIFORNIA STATE UNIVERSITY LONG BEACH

California State University, Long Beach is a member of the 22-campus California State University (CSU) system. The initial college, known then as Los Angeles-Orange County State College, was established on January 29, 1949, and has since grown to become one of the state's largest universities.

The first classes in 1949 were held in a converted apartment building on Anaheim Street and the cost to enroll was just \$12.50. The 169 transfer students selected for the 25 courses offered in Teacher Education, Business Education, and Liberal Arts were taught by 13 faculty members.

Enrollment increased in 1953 when freshman and sophomore students were admitted.

Expansion — in acreage, degrees, courses and enrollment — continued in the 1960s, when the educational mission was modified to provide instruction for undergraduate and graduate students through the addition of master's degrees.

In 1972, the California Legislature changed the name to California State University, Long Beach. Today, more than 42,000 students are enrolled at Cal State Long Beach, and the campus annually receives high rankings in several national surveys.

What students find when they come here is an academic excellence achieved through a distinguished faculty, hard-working staff and an effective and visionary administration. The faculty's primary responsibility is to create, through effective teaching, research and creative activities, a learning environment where students grow and develop to their fullest potential.

Today you are attending one of 13 Commencement ceremonies, taking place over five days, to celebrate the accomplishments of the more than 10,000 graduates and candidates. They are earning doctoral, master's and bachelor's degrees as well as credentials and certificates.

We are proud of our graduating students, who now go forward to serve society.

A Message from the President...



Dear Graduate,

Today's ceremony marks a momentous accomplishment for which you should be tremendously proud. Earning your degree required sacrifice, determination, and incredible effort. It also required much of those close to you: your family, mentors, faculty, staff, and the community you've created at The Beach. Carry those individuals with you as you walk across the graduation stage, and into your future. They are, have been, and will continue to be your strongest supporters.

Just as your degree required much from you, it will gift much to you. From today forward, your degree serves as a message to the broader community—future employers, prospective partners, potential collaborators—that you have put in the work, learned the skills, developed the dispositions, and are now ready to lean fully into your purpose. As Beach alumni you are ready to contribute responsibly and intellectually to your career, your communities, and to the public good. You are ready to contribute to society in deeply meaningful ways.

Since 1950, The Beach has celebrated graduates in commencement ceremonies, sending them into the world confident in their abilities to be of service to others. Today, you become part of that prestigious lineage, and I know that you are equally ready for the responsibility that comes with being a Beach alum. So, go forward with ambition, yes, and with integrity, care, and a commitment to something larger than yourselves.

Congratulations again, graduates. Know that Cal State Long Beach will always have you back!

You have my sincerest congratulations on achieving this milestone, and I wish you the absolute best in your future endeavors.

Always, go Beach!

Sincerely,

A handwritten signature in black ink that reads "Loren J. Blanchard". The signature is written in a cursive, flowing style.

Loren J. Blanchard, Ph.D.
President

A Message from the Chancellor...



Dear Class of 2026,

Today marks both the end your time with the California State University and the start of an exciting new chapter. Along with the degree you worked so hard to earn, you have gained knowledge, skills and connections that I know will take you far.

Your accomplishment is celebrated today by so many people, including those who supported you on this journey: your family, friends and all those whose love sustained you; the faculty who trained you to look at the world with a critical eye and an open mind; and the counselors, advisors, librarians, tutors and coaches who together created an encouraging environment for you to succeed and to thrive.

You have made all of them, and me, extraordinarily proud.

As you face new opportunities in the days ahead, you will do so empowered by your membership in a vibrant global network of more than four and a half million CSU alumni. Together, you are certain to enrich our workforce and communities. After all, CSU alumni (like you!) have so much to contribute, whether it is exploring solutions to society's greatest challenges, working to educate and inspire the next generation or powering the fight for democracy and a more just world.

No matter the path you choose, please stay connected to your alma mater and to the CSU. Your connections – both to your campus and to other CSU alumni – are powerful tools that can help to open new doors of possibility. Likewise, I encourage you to offer support to all those who aspire to follow in your footsteps in pursuit of a CSU degree.

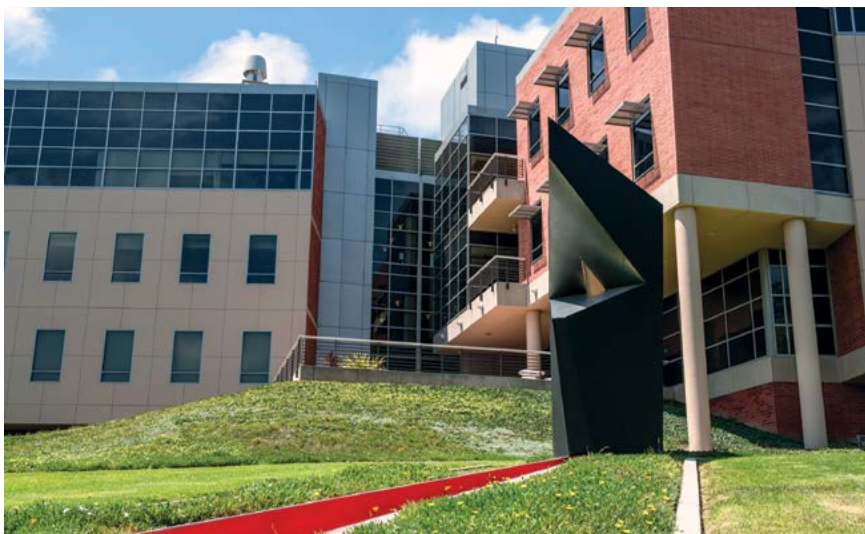
You begin writing your next chapter today – and I wish you every success. May your hard work and creativity lead to happiness, prosperity and deep fulfillment, both in your life and in the lives of those around you.

Felicidades, California State University Class of 2026! I can't wait to see all that you will accomplish.

Warmly,

A handwritten signature in black ink that reads "Mildred Garcia". The signature is written in a cursive, flowing style.

Mildred Garcia, Ed.D.
Chancellor



COLLEGE OF NATURAL SCIENCE & MATHEMATICS

The College of Natural Sciences and Mathematics is a center of scientific learning in Long Beach offering excellent educational opportunities. The College's vision is to educate the next generation of scientists and mathematicians, as well as a science-literate citizenry, through instructional programs that serve the diverse community of Long Beach and beyond. Our student-centered instructional and research environment fosters equity, diversity, and access. We mentor students for lifelong success by elevating character and supporting skill set development and growth mindset. Students gain scientific knowledge through research and also become advocates for applying science and mathematics in our community. Outstanding teaching and research programs are integrated within the departments of Biological Sciences, Chemistry and Biochemistry, Earth Science, Mathematics and Statistics, Physics and Astronomy, Science Education, and the program of Environmental Science and Policy.

College faculty conduct research projects that offer opportunities for our students, both graduate and undergraduate, to solve problems and be involved in cutting-edge research addressing the important issues of today in a wide variety of subjects including heart and neurological diseases, astrophysics, mathematical modeling, improving science teaching, machine learning/data science, designing and understanding new materials, cancer drug delivery methods, earthquakes, and environmental issues such as overfishing, pollution, and invasive species. Faculty mentored research encourages students to develop critical and analytical thinking in the classroom, the research lab, and the field setting. Graduates are prepared to fill critical roles in industry and they also form a substantial pipeline of K-12 science and math teachers for California.

Committed to creating an equitable and inclusive environment for our students, staff, and faculty, the College ranks among the top master's-granting universities in the nation for producing graduates who go on to earn doctoral degrees in science and math research fields. The faculty, staff, and administrators of the College are proud of their graduates and wish them success and satisfaction in their careers.

College of Natural Sciences & Mathematics

RICHARD D. GREEN DEAN
Curtis Bennett

DEPARTMENT CHAIRS AND PROGRAM DIRECTORS

BIOLOGICAL SCIENCES

Jesse Dillon, *Ph.D.*
University of Oregon, Eugene, Oregon

CHEMISTRY AND BIOCHEMISTRY

Lijuan Li, *Ph.D.*
McMaster University, Hamilton, Ontario, Canada

ENVIRONMENTAL SCIENCE AND POLICY

Lily House-Peters, *Ph.D.*
University of Arizona, Tucson, Arizona

EARTH SCIENCE

Lora Stevens-Landon, *Ph.D.*
University of Minnesota, Minneapolis, Minnesota

MATHEMATICS AND STATISTICS

Will Murray, *Ph.D.*
University of California, Berkeley

PHYSICS AND ASTRONOMY

Prashanth Jaikumar, *Ph.D.*
Stony Brook University, New York

SCIENCE EDUCATION

James Kisiel, *Ph.D.*
University of Southern California, Los Angeles

▲ HONORS AND AWARDS

GRADUATE DEAN'S LIST OF UNIVERSITY SCHOLARS AND ARTISTS

Amber Peek, *M.S. Biochemistry*
Zulema Morales, *M.S. Science Education - Informal Science Education*
Kaeden Russell, *M.S. Physics and Astronomy*
Delbar Sharifzad, *M.S. Mathematics*

OUTSTANDING COLLEGE MASTERS GRADUATES

RICHARD D. GREEN DEAN'S GRADUATE SCHOLAR AWARD

Hannah Fitzpatrick, *M.S. Geology*
Nikki Vanelli, *M.S. Biology*

Honors and Awards, continued...

OUTSTANDING THESIS AWARDS

Daniel Erdody, *M.S. Microbiology*
Divyanshi Jindal, *M.S. Biochemistry*
Jessica Mendoza, *M.S. Science Education, Option in Secondary Science Education*
Mark Joseph Pratt, *M.S. Geology*
Nicholas Sperruzzio White, *M.S. Mathematics*
Kedar Yadav, *M.S. Applied Physics*

OUTSTANDING PROJECT AWARDS

Aryanna A. Chavez, *M.S. Science Education, Option in TIK-12 Science Education*
Jameson Patrick Jewell, *M.S. Computational Physics*

DEPARTMENTAL HONORS

BIOLOGICAL SCIENCES

Rami Al Harastani, *B.S. General Biology*
Gabriel Auge, *B.S. Marine Biology*
Rachel Winter Baik, *B.S. Molecular Cell Biology and Physiology*
Jennifer Nicole Beltran, *B.S. Molecular Cell Biology and Physiology*
Sebastian G. Bonca, *B.S. Molecular Cell Biology and Physiology*
Elliott James Brammer, *B.S. Zoology, Botany, and Ecology*
Madeline Ann Christopher, *B.S. General Biology*
Madeline Jasmin Cubias, *B.S. General Biology*
Mayra Hernandez, *B.S. Molecular Cell Biology and Physiology*
Dorsa Kamyab, *B.S. Molecular Cell Biology and Physiology*
Elli Pauline Kuhn, *B.S. Zoology, Botany, and Ecology*
Soomin Kwak, *B.S. General Biology*
Elajae Mendez Lee, *B.S. Microbiology*
Sydney Luu, *B.S. Molecular Science and Physiology*
Lilly Mazzi, *B.S. Marine Biology*
Kira Sophia Miller, *B.S. Marine Biology*
Bianca Margaux Gefes Pagal, *B.S. General Biology*
Grayce Mei Li Sakamoto, *B.S. General Biology*
Lexie Elaine Shaw, *B.S. Molecular Cell Biology and Physiology*
Michelle Elizabeth Slack, *B.S. General Biology*
Keira Lynn Spiller, *B.S. Marine Biology*
Hailey Kristen Stevenson, *B.S. Marine Biology*
Hannah May Bautista Tabangin, *B.S. Molecular Cell Biology and Physiology*
Emmitt J. Taylor, *B.S. General Biology*
Millard Cong Minh Truong, *B.S. Microbiology*
Claribel Yolanda Alcantar, *M.S. Biology*
Daniel Erdody, *M.S. Microbiology*

CHEMISTRY AND BIOCHEMISTRY

Gabriela R. Leonard, *B.A. Chemistry*
Quinn Yumi O'Driscoll, *B.S. Biochemistry*
Athena Thai, *Biochemistry*

Amy Ha Trinh, *B.S. Biochemistry*
Audrey Tse, *B.S. Chemistry*
Ronald Chau, *M.S. Biochemistry*
Lauren McWilliams, *M.S. Biochemistry*
Eduardo Vite, *M.S. Chemistry*

EARTH SCIENCE

Claire Dan-Uyen Nguyen, *Double major in B.S. Earth Science and B.S. Environmental Science and Policy; Minor in Biology*
Simon Arthur F. Streker, *Double major in B.S. Geology and B.S. Biochemistry*
Lena Wilson, *B.S. Geology*
Aaron Christopher Martin, *M.S. Geology*
Siena Oswald, *M.S. Geology*

ENVIRONMENTAL SCIENCE AND POLICY

Claire Dan-Uyen Nguyen, *Double major in B.S. Environmental Science and Policy and B.S. Earth Science; Minor in Biology*
Jake Thomas Haro, *B.S. Environmental Science and Policy Biology*
Justin Q. Phan, *B.S. Environmental Science and Policy Biology*

MATHEMATICS AND STATISTICS

Idolina Estefany Castro, *B.S. Mathematics*
Keanu Marcus Hua, *B.S. Applied Statistics*
Victor Huynh, *B.S. Applied Statistics*
Sabrina Lucy Kramer, *B.S. Mathematics*
Sal Pena, *B.S. Applied Mathematics*
Seth Potter, *B.S. Applied Mathematics*
Joaquin Rivas, *B.S. Education Mathematics*
Bethanie Ceja, *M.S. Mathematics for Educators*
Makoto Kishi, *M.S. Computational and Applied Mathematics*
Ethan Adair Newcomb, *M.S. Applied Statistics*

PHYSICS AND ASTRONOMY

Kaitlyn DeVries, *B.A. Physics*
Jocelyn Van Khanh Nguyen, *B.S. Physics*
Trevor J. Weiss, *B.S. Physics*
Anthony Acebal, *M.S. Computational Physics*
Eric Corona, *M.S. Physics*
Alexander Goytia Fajardo, *M.S. Applied Physics*

OUTSTANDING COLLEGE BACCALAUREATE GRADUATES

RICHARD D. GREEN DEAN'S AWARD

Hana Ehab Abusair, *B.S. Biology*
Ethan Michael Dills, *B.S. Mathematics*
Nathan Di Loc Chan, *B.S. Earth Systems*
Olivia Carroll Clark, *B.S. Environmental Science and Policy; Minor in Geographic Information Science*
Holland Karaghiaulleian, *B.S. Physics*
Catherine Rose Palm, *B.S. Biochemistry*

Honors and Awards, continued...

RICHARD D. GREEN DEAN'S OUTSTANDING STUDENT TEACHER IN SCIENCE

Pauline Le, *Single Subject Credential – Biology*
B.S. Biology, University of California, Los Angeles



College of Natural Sciences & Mathematics

Candidates for the Master's Degree

▲ **BIOLOGICAL SCIENCES**

Master of Science - Biology

Claribel Yolanda Alcantar

Thesis: *Effects of Food Availability and Thermal History on the Cellular Response of Mytilus californianus to High Temperature Stress*

Advised by: Dr. Bengt Allen

Grace Juliet Armendariz

Thesis: *Functional Analysis of Annexin A2 in HIV-1 Infection*

Advised by: Dr. Peter Ramirez

Ivanna Arrizon Elizarraras

Thesis: *Assessing the Role of Temperature on Larval Development and Metabolism of the Purple Sea Urchin, Strongylocentrotus purpuratus*

Advised by: Dr. Douglas Pace

Thea Rose Cole

Thesis: *Effects of Ocean Acidification on the Physiology, Energetics, and Larval Development of a Coastal Fish, the California grunion (Leuresthes tenuis)*

Advised by: Dr. Darren Johnson

Patrick Douglas

Thesis: *Mammalian prey behavior in response to mountain lion activity in the Santa Ana mountains*

Advised by: Dr. Ted Stankowich

Alexandra Bedroud Fernandes

Thesis: *Identifying proteomic biomarker candidates enriched in STING-dependent extracellular vesicles from malignant tumors in Drosophila melanogaster*

Advised by: Dr. Jiae Lee

Derek Anthony Fuller

Thesis: *ORE1: a master positive regulator of leaf senescence in darkness, low and high light intensities*

Advised by: Dr. Jiae Lee

Master of Science - Microbiology

Daniel Erdody

Thesis: *Strategies for glycosidase functional annotation: how bioinformatic predictions expedite wet lab characterization and substrate selection*

Advised by: Dr. Renaud Berlemont

Daniella Marie Gavriel

Thesis: *Effects of oyster bed morphology on wave abatement, sedimentation, and the fish and invertebrates in a Southern California Saltmarsh*

Advised by: Dr. Christine Whitcraft

Nicholas Griffin

Thesis: *CAZYOGH: Identifying Glycosidase Hydrolases in Short-Read DNA Sequences*

Advised by: Dr. Renaud Berlemont

Kelly Hood

Thesis: *Ecological determinants of pelage pattern in a polymorphic habitat generalist, the bobcat (Lynx rufus)*

Advised by: Dr. Ted Stankowich

Adrian Lopez-Lopez

Thesis: *Transcriptomic analysis reveals bolting-induced genes bZIP34 and bZIP61 may regulate early plant growth rather than leaf senescence or stress response in Arabidopsis thaliana*

Advised by: Dr. Judy Brusslan

Izabella Marie Thomas

Thesis: *Don't Blame the Tumor—It's Just Moody: GPCR Control of Tumor Cell Dissemination in the Drosophila RasV12 Model*

Advised by: Dr. Jiae Lee

Nikki Vanelli

Thesis: *Testing Vegetation Effects on Sedimentation as a Measure of Resilience to Sea-Level Rise*

Advised by: Dr. Christine Whitcraft

▲ CHEMISTRY & BIOCHEMISTRY

Master of Science - Biochemistry

Aditi Ketankumar Acharya

Thesis: *Conformational Study of Lipid-Bound Apolipoprotein A-I by Pyrene Excimer Fluorescence and Crosslinking*

Advised by: Dr. Paul Weers

Michelle Castillo

Thesis: *Investigating the Role of Cyclin-dependent Kinase 7 in Regulation of Insulin Signaling*

Advised by: Dr. Deepali Bhandari

Ronald Chau

Thesis: *Mechanism of HDL formation: Apolipoprotein AI intermediate state*

Advised by: Dr. Paul Weers

Joshua Garcia

Thesis: *Investigating the catalytic activity and cytotoxicity of palladium encapsulated apolipoprotein E3 lipid nanoparticle assemblies: Application towards drug delivery systems*

Advised by: Dr. Vasanthi Narayanaswami

Vanessa Garcia

Thesis: *Role of Glycosylation in Maintaining the Structure and Function of Human Apolipoprotein E*

Advised by: Dr. Vasanthi Narayanaswami

Young Lwin Lwin Han

Thesis: *Determining Apolipoprotein E3 conformational change from lipid free to lipid associated state*

Advised by: Dr. Vasanthi Narayanaswami

Divyanshi Jindal

Thesis: *The Impact of Chemical Modification on Cellular Uptake and Gene Silencing Efficiency of siRNA and Antisense Oligonucleotides*

Advised by: Dr. Katarzyna Slowinska

Jose So Lemon

Thesis: *Transendothelial Transport of Lipid-Free Apolipoprotein E3 and Apolipoprotein E4*

Advised by: Dr. Vasanthi Narayanaswami

Master of Science - Chemistry

Alaa Albokaei

Thesis: *Using Guinea Pig Apolipoprotein E to Understand the Functioning of Apolipoprotein E4 in Alzheimer's Disease*

Advised by: Dr. Vasanthi Narayanaswami

Elahe Ashrafichoobdar

Thesis: *Biological evaluation of hybrid peptide nanoparticles for precision combination cancer therapy*

Advised by: Dr. Young Shon

Iris Marquez

Thesis: *Investigating the Regulatory Role of T221 Autophosphorylation in CDK5: Implications for Cell Migration*

Advised by: Dr. Deepali Bhandari

Lauren Ruth McWilliams

Thesis: *Employing a Click-Chemistry-Based Approach to Investigate Protein Targets of Aspirin in Colonic Organoids*

Advised by: Dr. Deepali Bhandari

Dhaval K. Patel

Thesis: *Proteomic Response of Aortic Endothelial Cells Following Transcytosis of High-Density Lipoprotein with Apolipoprotein AI*

Advised by: Dr. Vasanthi Narayanaswami

Amber Peek

Thesis: *Understanding the Molecular Mechanism Underlying Aspirin-Mediated Chemoprevention Using a Drosophila melanogaster Intestinal Tumor Model*

Advised by: Dr. Deepali Bhandari

Samantha Rose Perez

Thesis: *Isoform-Specific Subcellular Localization and Activity Regulation of Protein Kinase B*

Advised by: Dr. Deepali Bhandari

Danielle Elena Pulido

Thesis: *Structural and functional characterization of apolipoprotein III fragments to identify potential lipoprotein binding sites*

Advised by: Dr. Paul Weers

Issac Donoven Reddick

Thesis: *Using Guinea Pig Apolipoprotein E to Understand the Functioning of Apolipoprotein E4 in Alzheimer's Disease*

Advised by: Dr. Vasanthi Narayanaswami

Jocelyn Dominguez

Thesis: *Development of Electro-Neutral Peptides for Delivery of Nucleic Acid Therapeutics*

Advised by: Dr. Katarzyna Slowinska

Cameron Fleischer

Thesis: *Synthesis of a Maleimide-Activated Porphyrin (MAP) Linker for ApoA1 Protein Conjugation*

Advised by: Dr. Fangyuan Tian

Austin Joseph Nerhus

Thesis: *Synthesis and Photocatalytic Analysis of Nanoreactor Ensembles Containing Ligand-Capped Gold Nanoparticles*

Advised by: Dr. Young Shon

Justin Nguyen

Thesis: *Synthesis and characterization of Iron Dinitrosyl Complexes with Monodentate and Polydentate Phosphine Ligands*

Advised by: Dr. Lijuan Li

Vedant Patel

Thesis: *Gamma Radiolytic Degradation of Atrazine, Simazine, and Diuron Herbicides in Aqueous Solution: Kinetic and Mechanistic Study Using HPLC*

Advised by: Dr. Steve Mezyk

▲ EARTH SCIENCE

Master of Science - Geology

Benjamin Guillaume Bigarre

Thesis: *Estimation of Submarine Groundwater Discharge from Water Balance Analysis for Three Watersheds of a Tropical Volcanic Island (Moorea, French Polynesia)*

Advised By: Dr. Matt Becker

Faith Elizabeth Burkett

Thesis: *Geomorphic Indicators of Neotectonic Activity Along The Santa Ynez Fault, in Santa Barbara County, CA*

Advised by: Dr. Nate Onderdonk

James Conway

Thesis: *Using Stable Isotopes And Zircon U/Pb Ages to Investigate The Origin of The Peruvian Coastal Batholith Near The Boundary of The Lima and Arequipa Segments*

Advised By: Dr. Greg Holk

Hannah Elthea Fitzpatrick

Ernest A. Jackson

Thesis: *Understanding the factors that control movement and retention of coprostanol in soil*

Advised by: Dr. Lora Stevens

Nicholas Ryan Januario

Thesis: *Characterizing the Influence of Heatwaves in Undisturbed Watersheds Across the Western United States*

Advised by: Dr. Ben Hagedorn

Aaron Benjamin Kantrowitz

Thesis: *Constraining The Mechanisms and Controls on Magmatic Processes in The California Borderland*

Advised By: Dr. Jill Pearse

Caroline Korterud

Thesis: *Carbonate Reef Flat Plate Formation and Terrestrial Diagenetic Interactions: A Case Study of Moorea, French Polynesia*

Advised by: Dr. Matt Becker

Phu Tran

Thesis: *Bicyclic-Fused Ligands Enable Tunable Heterometallic Trimers in Pore-Space-Partitioned Metal-Organic Frameworks for Gas Separation*

Advised by: Dr. Xianhui Bu

Caitlin Marie West

Thesis: *Methyl Benzoylformate Photo-Initiated Synthesis of Gamma-Keto Esters*

Advised by: Dr. Paul Buanora

Logan Patrick Light

Thesis: *Deciphering the Miocene Tectonic History on the Edge of the Walker Lane Belt and Basin & Range: Stewart Valley, NV*

Advised by: Dr. Alyssa Abbey

Aaron Christopher Martin

Thesis: *Luminescence Dating of Marine Terraces on the Palos Verdes Peninsula, Southern California*

Advised by: Dr. Nate Onderdonk

Mark Joseph Pratt

Thesis: *Investigating the Impact of Sea Level Rise on Groundwater Pollution in California Coastal Aquifers*

Advised by: Dr. Matt Becker

Edgar Villasano

Thesis: *Calibrating HydrOHS- An Optimized Hydrograph Separation Algorithm For High Resolution Stream Flow and Chemistry Data*

Advised by: Dr. Ben Hagedorn

Lena Wilson

Thesis: *Evaluation of Multi-Component Frequency-Domain Electromagnetic Methods for Characterizing Groundwater Flow in Fractured Rock Aquifers*

Advised by: Dr. Matt Becker

Jacqueline Adriana Zuniga Baldenegro-Cooper

Thesis: *A Paleoclimatic Reconstruction from Lake Maharlou Throughout the Holocene*

Advised by: Dr. Lora Stevens

▲ MATHEMATICS & STATISTICS

Master of Science - Applied Statistics

Michelle Cheuk

Thesis: *Development of Genomic Predictive Markers for Non-Small Cell Lung Cancer Using Machine Learning Techniques for Personalized Chemotherapy Strategies*

Advised By: *Dr. Hojin Moon*

Jessica Heewon Chon

Thesis: *Early Detection of Ovarian Cancer via Integrated cfDNA Fragmentomics and Proteomics*

Advised by: *Dr. Hojin Moon*

Huy Doan

Thesis: *Extensive Comparison of Topic Modeling Techniques and Tracking Cryptocurrency Trends*

Advised by: *Dr. Seungjoon Lee*

Gabriel Fanucchi

Thesis: *Exploring The Shape of Dynamical Systems Through Topological Data Analysis and Manifold Learning*

Advised By: *Dr. Seungjoon Lee*

Pengyuan Fu

Antonio Garcia

Thesis: *Advanced Bayesian Analysis Using Markov Chain Monte Carlo Approach*

Advised by: *Dr. Olga Korosteleva*

Shane Connor Grothe

Alan Hoang

Truc Thanh Hoang

Thesis: *Rare Defect Detection In High-Dimensional Manufacturing Data: A Comparative Study of Feature Reduction and Oversampling*

Advised By: *Dr. Seungjoon Lee*

Kyubin Im

Shune Kawaoto

Thesis: *Probalistic Forecasting of County-Level Covid-19 Hospitalizations Using Pm2.5 and Gaussian Processes*

Advised By: *Dr. Seungjoon Lee*

Sonny Luong

Kierra Manuel

Project: *Generalizability of Student Success Models Across Institutions: Modeling Graduation Rates at CSULB And Compton College*

Advised by: *Dr. Olga Korosteleva*

Priya Deepak Mistry

Matthew David Murnane

Ethan Adair Newcomb

Alan Ortega

Thesis: *Normality Testing as a Binary Classification Problem*

Advised by: *Dr. Kagba Suaray*

Logan Pierce

Tanjima Rahman

Thesis: *Statistical and Machine Learning Modeling for Diagnosis of Alzheimer's Disease*

Advised by: *Dr. Olga Korosteleva*

Cheyenne Reed

Thesis: *Modeling Loan Default Risk Using Statistical and Machine Learning Methods*

Advised by: *Dr. Olga Korosteleva*

Noppakan Sirikol

Thesis: *Predicting CSULB Master's Student Graduation Rates*

Using Regression And Classification Methods

Advised By: *Dr. Seungjoon Lee*

Kevin Sotelo

Cory Shigetoz Suzuki

Thesis: *Data-Driven Black-Box Modeling of Hidden Systems of Ordinary and Partial Differential Equations*

Advised by: *Dr. Seungjoon Lee*

Teah Michelle Thies

Thesis: *Bridging The Gap Between Baseball and Softball Analytics*

Advised By: *Dr. Kagba Suaray*

Ellen Vo

Michael Baotam Vu

Master of Science - Computational and Applied Mathematics

Alvaro Casales Gil

Kimberly Megan Morente Cheng

Elizabeth Michelle Forgang

Gerardo Hernandez

Hannah Delanie Kennedy

Makoto Kishi

Ian Lee

William Li

Seth Robert Malonson

Thesis: *PDE-Net for learning nonlinear PDEs with the presence of noise*

Advised by: *Dr. Hui Sun*

Gabriel Moussaoui

Lucas Sotozono

Thesis: *Analysis and Numerical Solution of the 2D Shallow Water Equations*

Advised by: *Dr. Hui Sun*

Master of Science - Mathematics

Rio Makana Bungalon

Thesis: *Wirtinger Number on Knots and Zero Forcing Number on Directed Graphs*

Advised by: *Dr. Ryan Blair*

Christopher James Caron

Thesis: *p-adic Numbers, Quadratic Forms, and Legendre's Three-Square Theorem*

Advised by: *Dr. John Brevik*

Annie Chen

Thomas Hantgin

Humza Hussaini

Isabelle Lopez

Rafael Marquez Guerrero

Diego Monroy

Nathanael Rosnick

Thesis: *Quantum logic and the foundations of quantum mechanics*

Advised by: *Dr. Joshua Sack*

Hector Daniel Salinas

Javi Sanchez-Navarro

Naya Sawah

Coleen Francis Shamalian

Delbar Sharifzad

Nicholas Sperruzzio White

Thesis: *Freyd-Mitchell Embedding Theorem*

Advised by: *Dr. Joshua Sack*

Master of Science - Mathematics - Mathematics for Education for Secondary School Teachers

Priscilla Curtis

Talea Cheyenne Doty

Paige Metcalfe

Denise Rios

Master of Science - Mathematics - Mathematics for Educatorss

Bethanie Ceja

Thesis: *F Visual and Symbolic Representations in Fraction Instruction: Insights from Mathematics Teacher Education Lecturers*

Advised by: *Dr. Pavneet Bharaj*

Daniel Forest

Emily Herrera

Marylu Nunez

Jerico Sarmiento

Trayza Tawadrous

Master of Science - Applied Statistics - Date Science

Sean Julian Huang

▲ PHYSICS & ASTRONOMY

Master of Science - Physics

Eric Corona

Thesis: *Heterostructures of Phthalocyanine/ Graphene/h-BN probed in the mesoscopic regime*

Advised by: Dr. Claudia Ojeda-Aristizabal

Ethan Hsu

Thesis: *Thermodynamic Effects of B+L Non-conservation in Hot Quark Matter*

Advised by: Dr. Thomas Klaehn

Andrew Le Blanc

Thesis: *Building a Magneto-optical Kerr Microscope and Characterizing Magnetic Nanocap Thin Films*

Advised by: Dr. Jiyeong Gu

Kaeden Russell

Thesis: *Bloch band and quantum geometry of the plasmon spectrum in the Pines and the Theta-models*

Advised by: Dr. Andreas Bill

Brian Wilcox

Thesis: *Exploring how Inquiry-Driven Curriculum is Enacted in an Undergraduate electromagnetism Laboratory Course*

Advised by: Dr. Sara Dozier

Timothy Russell Van Hoomissen

Project: *Relation between quantum geometry and the optical conductivity in twisted bilayer graphene*

Advised by: Dr. Andreas Bill

Master of Science - Physics - Applied

Alexander Goytia Fajardo

Thesis: *The Morphological Dependence of the Electron Paramagnetic Resonance Spectra of Copper Phthalocyanine Thin Films*

Advised by: Dr. Thomas Gredig

Michelle Annette McKenzie

Thesis: *Electronic Transport Properties of Thin Layers of the type II Dirac semimetal, Platinum DiteLLuride*

Advised by: Dr. Claudia Ojeda-Aristizabal

Master of Science - Physics - Computational Physics

Anthony Acebal

Thesis: *Zero Frequency Nonperturbative Response across a Topological Phase Transition*

Advised by: Dr. Sarah Grefe

Jose Antonio Chavez

Thesis: *Padé Approximant Effects on the Equation of State in β -Equilibrated Nuclear Matter Using A Density Functional Approach*

Advised by: Dr. Prashanth Jaikumar

Sophealena Reginie Chhom

Thesis: *Characterization of Diluted Iron-Phthalocyanine Thin Films Using Co-deposition*

Advised by: Dr. Thomas Gredig

Daniel Cohen-Cobos

Thesis: *Multiplicity corrections to the nuclear matter equation of state*

Advised by: Dr. Thomas Klaehn

Mark Gilbert Bragat Malabanan

Thesis: *Implementing a time-dependent electromagnetic field into the Usadel equations*

Advised by: Dr. Andreas Bill

Kedar Yadav

Thesis: *Quantum Integration by Differentiation*

Advised by: Dr. Michael Peterson

Rachel Marsie Perelgut

Thesis: *Asteroseismic Indicators of Magnetic Variability in Giants Using Peakbagging and Photometric Variability*

Advised by: Dr. Joel Zinn

Scott Everett Perkey

Thesis: *A new method for determining the large frequency correction*

Advised by: Dr. Joel Zinn

Fernanda Razo

Thesis: *Influence of Substrate Roughness on Molecular Orientation in Copper Phthalocyanine Thin Films*

Advised by: Dr. Thomas Gredig

Charles Hapich

Project: *Reconstructing the merger history of the Milky Way using APO-K2 asteroseismic ages*

Advised by: Dr. Joel Zinn

Jameson Patrick Jewell

Project: *Bose-Einstein Condensed Dark Matter and Dwarf Galaxy Structure*

Advised by: Dr. Prashanth Jaikumar

▲ SCIENCE EDUCATION

Master of Science Education - Informal Science Education

Zulema Morales

Thesis: *Motivations that bring girls and their parents to the STEM tinkering club*

Advised by: Dr. James Kisiel

Mayumi Marie Ezo

Project: *Building an informal trail to support science learning*

Advised by: Dr. James Kisiel

Master of Science Education - Secondary Science Education

Kristell Ann Yap

Project: *Secondary science teachers' perceptions of creativity in the classroom*

Advised by: Dr. Lisa Martin

Master of Science Education - TK-12 Science Education

Kateri Avila

Project: *Exploring student perspectives of reading in science on screen versus on paper*

Advised by: Dr. Amy Ricketts

Aryanna A. Chavez

Project: *Elementary science instruction: Understanding teachers' constraints and affordances in multi-city unified school district*

Advised by: Dr. Amy Ricketts



College of Natural Sciences & Mathematics

Candidates for the Bachelor's Degree

▲ **BIOLOGICAL SCIENCES**

Bachelor of Science - Biology

Charlize Ashley Aceves
Adeline Harrison Adney
Paula Evite Agero
Rami Al Harastani
Sophia Celeste Alcalá
Catherine Anastacia Alcalá
Wared Alsyouf
Jaqueline Johana Altun Sazo
Amal Logeen Amer
Katrina Marie Angel
Uzbah Anwar
Julia Ashton
Dylan Marciano Baldiviezo
Jake Abraham Banafsheha
Natalie Barrientos
Sebastian Basabro
Juan C. Benitez
Muadh Bhavnagarwala
Aiden Riley Bibler
Nolan Reid Blakely
Raymond Elijah Bonney
Keaira Bre'chelle Borders
Amanda Michelle Bui
Yohana Yehudith Camacho
Jacob Robert Cano
Phuong Cao
Angel Cardenas
Matthew James Carranza
Franco Aimar Castillon
Ruben Cervantes
Amber Scarlet Cheng
Karina Chia Pena
Rani Chiang
Amy Chopkoski
Madeline Ann Christopher
Nisi Raquel Chun
Kayla Allison Clark
Rosalinda Contreras
Antonio Andres Covarrubias
Jessica Cruz
Lorenzo Aldair Cruz
Madeline Jasmin Cubias
Sage Cuza

Elaine Dang
Bryan Chuong Dao
Sixto Roman Delgado
Andrew Nikolas Delgado
Vanessa L. Diaz
Brandon Dickson
Chris Dinh
Crystal Ngoc Dinh
Damie Dinh
Simon Do
Katie Datanie Duch
Jasmin Dudley
Jacob Ecija
Ramiro Elorza-Flores
Leena Renae Escamilla
Laura C. Escobar
Katie Fish
Reyna Flores
Jhanna Mitchelle Galan
Alyssa Gash
Noah Cozo Gibbons
Jayme Leigh Gimenez
Grant Gomes
Alfonso Gomez
Rafael Gonzalez
Karina Gonzalez Sarabia
Ynneli Sarahi Gonzalez- Soriano
Alondra Grande
Ian Grant
Paul Johnathan Gray
Joshua Guardado
Monica Samer Hakeem
Sarah Jamal Hakim
Daryana Mae Hall
Maxwell James Henretta
Avalina Marie Hetland
Amy Ho
Sai Lin Htet Man
Jessie Xiao Yue Huang
Oscar Interiano
Gregory Michael James
Gabriel Andrew Jaramillo
Connor Michael Jenkins

Rosely Jimenez
Ernesto Antonio Juarez
Nene Kanu
Hasan Mohamad Karim
Navneet Kaur
Brianna Aiko Kawakubo
Marie Therese Khattar
Talar Natalie Khedesian
Hirad Khorramian
Sharon Kim
Hwanhee Kim
Alison Koffler
Soomin Kwak
Adrian Lacayo
Angela Gonzales Laquindanum
Paris Gul Larik
Kwan Deven Le
Andrew Le
Adan Leon
Jaylin Olivia Leon
Timothy J. Liu
Madelyn Marie Lopez
Oscar Loza
Julia Luong
Giao Ngoc Ly
Maxine Breanna J. Magpantay
Wendy Milena Mahecha Barraza
Rayan Maknoui
Gervine Maranan
Samantha Marmolejo
Matthew James Marshall
Christopher Raymond Martinez
Josephine Guillermina Martinez
America Martinez
Esmeralda Martinez Munoz
Alexa Paola Martinez-Ibarra
Jack Matson
Valentina McNally
Yasmin Liliana Medina
Alexis Arianna Mendez
Jasmine Elizabeth Mendoza
Veronica Micalizzi
Makan Mir
Kaylie Ann Mojica
Isabella Arianna Monje
Yaltzee Azaira Mora
Odalys Moreno
Elizabeth Munoz
Cameron Nava
Kahlily Kate Nelson
Hannah Taylor Nemnich
Steven Nhat Nguyen

Grace Nguyen
Angela Le Nguyen
Karen Thuy Nguyen
Ethan Quoc Nguyen
Mie Nguyen
Thaovi Hoang Nguyen
Vivian Nhi Nguyen
Ethan Nguyen
Minh Nguyen
Logan Melissa Nidy
Autumn Kaylee Nocon
Elida Dariana Nolasco
Eryn Elsbeth Oelstrom
Emmanuel Michael Onyinyechi Okereke
Keyana Suzanne Olguin
Isabella Catherine Orlando
Zuri Rita Ornelas
Tiffany Paris Ortuno
Bianca Margaux Gefes Pagal
Samantha Nicole Palomarez
Kayla Ximena Pardo Fitz
Makenzie Addie Pasquarello
Brianna Antoinette Perera
Salvador Alejandro Perez
Ashley Perez
Esmeralda Perez
Gabriela Perez-Hernandez
Michelle Jessie Pham
Nick Pham
Paris Pham
Kaylee Hoanquyen Pham
Chanel Thai Thao Pham
Thinh Phan
Bao Dat Phan
Nate Polar
Autumn Reid Price
Sam Purmer
Jullissa Ance Ramirez
Celeste Cancino Ramirez
Chelsea Skye Rianne Alcanzarin Ramirez
Emma Ray
Michaela Reyes
John Rizkalla
Cameron James Roberts
Allison Robinson
Arturo Robles
Cynthia Robles
Ileana Leticia Rocha
Amaya Sophie Rodriguez
Emiliano Rodriguez
Marina Isabella Rodriguez
Erica Rojas

Bachelor of Science - Biology, continued...

Reinalyn Jasmine Santos Rondez	Emmitt J. Taylor
Tiffany Nicole Rosa	Ngan K. Than
Leon Hollis Rubarts	Davina Thomas
Naia Runneboom	Garrett Thomson
Elizabeth Ruvalcaba	Marissa Jun Tobin
Marcello Conrad Sabra	Isabella Helena Torres
Sina Sadeghi	Jeslyn Uyen Tran
Christopher David Safieh Manley	Katrina Trinh
Grayce Mei Li Sakamoto	Amanda Gia Linh Trinh
Samira Saleh	Priscilla Velia Tristan
Anahi Sanchez	Ivy Truong
Brandie Sanchez	Ronald Valentin
Nfn Sandaku	Alexandria Valladares
Ruben Mario Santos	Kona Vang
Elizabeth Seng	Jacob Rua Je Vang
Sogand Shabani	Nayeli Berenice Vega Melgoza
Kimberly Sianez	Brian Asher Panis Villate
Emily Sierra	Genesis Nicole Villegas
Natalie Lien Sihatay	Briana Marie Viveros
Audrey Elisabeth Silva	Benjamin Hoang Vu
Ameesha Kristina Singh	Erin Lynn Walker
Michelle Elizabeth Slack	Austin Weninger-Parrish
Riley Ann Speer	Kylie Faith West
Caitlyn Abigail Stein	Riley Paige Williams
Trent Strake	Giovanni Wong
Khac Binh Ta	Ansh Kumar Yadav
Hossain Taei	Patrick Yep
Leah Taing	David Taerin Yi
Karston Tang	Aria Youssefi
Madison Joelle Tavera	Helen Zhou



Bachelor of Science - Biology - Biology Education

Carina Timbol Dela Paz	Logan Andrew Meece
Tiffanie Kha	Julian Quides
Guillermo Alexander Lopez	Elizabeth Anne Tillack

Bachelor of Science - Biology - Molecular Cell Biology and Physiology

Carley Frances Abbott-Hayes	Manuel Cruz Jr
Ashley Marie Ables	Samuel Ellis Cullen
Hana Ehab Abusair	Richard Marcelles Curry
Sofia Achackzad	Divina Teresa Damian
Leila Maria Mariano Albaira	Joshua Phuoc Hoa Dang
Khalid Najim Albazi	Jocelyn Grace De Alba
Rosa Isela Alvarado	Emily De La Cruz
Genovi Guadalupe Amador	Melissa De La Fuente
Angelica Danielle Arellano	Claudia De Loera
Rowan Arias	Mousa Diab
Myra Assaad	Jason Jair Diaz
Bisma Atif	Vivian Le Dinh
Alberto Ayala	Kevin Do
Sofia Jane Badery	Nickolas Dominguez
Rachel Winter Baik	Kailey Doornek
Xiomara Maria Barillas Polanco	Jodie Lynne Duenas
Jaideelee Jewel Dacula Barker	Aaron Ali Edwards
Vanessa Barraza	Halla Elmansoury
Noah Reese Bartels	Austin Esparza
Jacob Joe Bazo	Ruby Estrada
Christian Ezekiel Beltran	Andres Jesus Flores
Jennifer Nicole Beltran	Robert E. Garcia
Betty Bender	Noah Garcia
Ruth N. Bishay	Joy Abigail Gavilanes
Sebastian G. Bonca	Jonathan Aiden Gerges
Cameron Daniel Brown	Alfredo Godoy Aguilar
Ellie Butner	Allison Rachel Gomez
Precious Tiffany Quina Cabias	Aleksa Gonzalez
Fiona Grace Caldwell	Abby Gregorio
Kyan Callo	Caitlin Guerrero-Lopez
Jesus Camaguey Garibo	Jay Guevara
Jocelyn Cantero	Karen Marie Guevara
Nicole Victoria Capcha	Anisha Hemnani
Skye Elizabeth Carbajal	Paul Hernandez
Andrea Castillo Sevilla	Mayra Hernandez
Celso Jesus Cervantes	Andrea Hernandez Suarez
Alan Chau	Amber Lynn Holt
Ciara Ugochi Chilaka	Magdalena Angel Huizar
Ginger Blossom Chiu	Kenai Cooper Jennings
Vincent John Combs	Matthew Jiron
Nicholas Constat	Tory Johnson
Fabian Jaime Contreras	Dorsa Kamyab
Omar Corcoles	James Kormanik
Angelica Tandoc Cristobal	Mona Labrim

Bachelor of Science - Biology - Molecular Cell Biology and Physiology, continued...

Jayce Huy Le	Jason Pham
Anh Thy Ngoc Le	Tina Pham
Chanel Leblanc	Christina Vu Hong Pham
Sarah Liggett	Esther Bao-Tran Pham
Gabriela Lomeli	Wyatt Edward Pierce
Maximiliano Thomas Lowrey	Alexandra C. Putpoung
Sydney Luu	Lyssa Siapno Quirimit
Eric Magana	Julian Quiros Cardenas
Keirsten Drew Maraveles	Jaden Hizon Ramirez
Sophia Mia Martinez	Francisco Eduardo Rincon
Alejandra Martinez	Nahomy Raquel Rivera
Ximena Medina	Mia Y. Romero
Youstina Meseha	Alba Nydia Romero
Samantha C. Miller	Mia Amore Saenz
Kate Elizabeth Mira	Mohamad Hussein Saleh
Erin Chiyoko Mizota	Oshiana Schenkelberg
Cindy Molina	Flor Jasmin Segoviano
Lindsey Moo	David Serban
Anthony Morales	Lexie Elaine Shaw
Sanaz Mosallaie	Kimberly Siordia
Noah T. Natividad	Hannah May Bautista Tabangin
Kayla Tam-Nhi Nguyen	Shreya Thakuri
Jasmine Quynh Nguyen	Sara Thomas
Alexandra Hai Nguyen	Itzel Torrico
Trish Tran Nguyen	Aaron Tran
Tina Ai Thu Nguyen	Nhan Nguyen Thien Tran
Jolene Nguyen	Tiffany Lee Tran
Alan Nguyen	Vincent Truong
Yasmin Ortega Rios	John Truong
Farinaz Osati	Jonathan Tubaces
Keira Lindsey Osorio	Alexa Uzzi
Sophia Oushani	Alexa Anais Villalpando
Miles Palmer	Jaden Lacson Wong
Isaiah Christopher Pansoy	Kylie Tsu An Wu
Aatikah Parise	Icess Icess Young
Julianna Ashley Perez	Kaylany Ivette Zavala
Bella Lien Pham	

Bachelor of Science - Biology - Zoology, Botany, and Ecology

Miguel Angel Aranda	Ashley Diaz
Brianna Marie Baeza	Alexis Elston
Sidney Jo Bechtol	Ana Rebeca Espeleta Garcia
Reynaldo Bojorquez	Francesca Flanders
Natalie Grace Bonning	Ignacio Benjamin Garcia
Elliott James Brammer	Jodie Garvey
Sara R. Caldwell	Jasmine Michelle Hercules
Searrah Skye Cardenas	Katherine Diane Hernandez
Kimberly Carrera	Kate Herrera
Sophia Claire De La Loza	Christine Hong

Kelsey Nicole Imrie
Elli Pauline Kuhn
Julianne Han Lee
Brianna Lopez
Gillian Marsh
Andrew Martinez
Anjelika Bianca Mendoza
Monica Patrice Merkens
Paul Thomas Miller-Molina

Alyssa Joleen Moran
Yea Leen Park
Claudia Sandell
Brenden Connor Saraf
Jesus Manuel Soto
Diego Uribe
Keana Genell Velarde
Amy West
Julia Zhou

Bachelor of Science - Marine Biology

Antonio Aguilar
Gwendolyn Claire Allen
Lily Elizabeth Anderson
Cesar Eduardo Armenta
Gabriel Auge
Anika Alma Ball
Gwendolyn Becerra
Noah Benasfre
Aidan Graham Biddle
Carly Elizabeth Brenner
Johan Caballero
Matthew Cantu
Esteban Salvador Carpio
Lana Emily Carter
Samanta Saray Castillo Levi
Cloe Claire Christensen
Lilyana Contreras
Aline Curiel-Silva
Alexis Anna Cybulski
Kaitlyn Dain
Rosa Del Carmen Delgado
Andrew Alexis Delgado
Emily Margaret Delurio
Paco Deng
Jacob Devaughn
Ezekiel Olano Ebilane
Nicole Eng
Analí Victoria Escareno Cortes
Shannon Michelle Folsom
Trinity Garcia
Timothy Kiyoshi Garcia
Denisse Gonzalez Gutierrez
Fernando Yoana Gutierrez
Melissa Claire Herrmann
Riley Ann Hobbs
Julia M. Jaques
Savannah Jordan
Anisa Kanemoto
Shannon Kingery
Noemi Nora Kiss
Melody Cecilia Klaas

Lydia Elena Lifquist
Celeste Lin
Alexa Ryan Lytle
Emma Manriquez
Jorge Martinez Sanchez
Lilly Mazzi
Daniel Mendoza Arceo
Priscilla Lynn Millan
Kira Sophia Miller
Isabelle Moreno
Lenny Navarrete
Arianna Navarro
Tai Holly Nguyen
Frank Nicolas-Juan
Katherine Nunez
Madison Nicole Oliver
Brayden Cooper Ortiz
Matthew Pennella
Jada Emani Plunkett
Diego Alexander Portillo
Kailey Anne Prince
Gabriella Prior
Vinson Posadas Ramiscal
Rianna Grace Reinhard
Heidi Brie Richard
Kylie Rei Rios
Diego Adrian Rivera
Jonathon D. Rixen
Olivia Angelica Salgado
Ixchel Janelle Sanchez
Jacquelynn Ann Schlichtmann
Natalie May Schwarzenberger
Sara Meghan Marie Scott
Savannah Inez Shaw
Makenna Shirley
Kyle Samuel Sorensen
Samuel Anthony Sorich
Keira Lynn Spiller
Angelo Dionisio Spinosa
Sara Mae Stamos
Alexandre Steffen

Bachelor of Science - Marine Biology, continued...

Hailey Kristen Stevenson	Wyatt Daniel Weaver
Neona Suthanurak	Freya Louise Wilby
Taj Kurt Thuemmler	Aaron Tobias Wildman
Emma J. Torres	Jessica Woody
Victoria Marie Vasquez	Carlisle Zasio
Connor Joseph Venegas	

Bachelor of Science - Microbiology

Tatiana Janet Calicchia	Mary Nguyen
Alexis Castro	Hector Steven Orellana
Nicole Angela Christenson	Heer Jatinbhai Patel
Emma Elise Collins	Michelle Itzayana Perez
Julia Love Conway	Truc Dong Thanh Pham
Luis Angel Cuen Uriarte	Stacey Phan
Luis Eceverre	Anamaria Ramirez
Kai Alexander Ford	Mayah Rengulbai
Gabby Alicia Fregoso	Chloe Nichole Riggs
Elisha Green	Aaliyah Theos
Kassandra Marie Gutierrez	Indalia Trinidad
Yasmin Ibrahim	Millard Cong Minh Truong
Valyn My Lam	Amanda Mei-Lin Tsai
Evelyn Nhu Le	Charmaine Patricia Vergara
Elajae Mendez Lee	Beverly Stacy Xinico
Manny Mankin	Anthony Yanez
Nataly Morales	

▲ CHEMISTRY & BIOCHEMISTRY**Bachelor of Arts - Chemistry**

Sofy Arroyo	Elysium Molina
Arturo Buenrostro	Owen Walt Ormsby
Jocelyn Cantero	Jason Pinlac
Zohreh Iranmanesh	Jennifer Kristine Ramirez
Gabriella R. Leonard	Michael Zamora

Bachelor of Arts - Biochemistry

Khalid Doufesh	Hannah Kirkwood
----------------	-----------------

Bachelor of Science - Chemistry

Angel Gabriel Avila	Charlotte Trena-Aleta Layne
Natalie Flores	Elton Lee
Yuuki Funakoshi	Randy Gia Bao Luu
Ian Christopher Gumpal	Juan Alexander Medina
Rami Hassan	Kevin L. Moreno
Seihi Hirochi	Itzel Olea
Elizabeth Luna Khoury	Stephanie Michelle Quinn

Daniel Javier Ramirez
Robert David Rooney

Kayla Lenh Tran
Audrey Tse

Bachelor of Science - Chemistry - Materials Science

Christian A. Alarcon

Bachelor of Science - Biochemistry

Kayla Jasmine Abatay	Kristine Mendoza
Ivan Boyowa Agbejule	Michael Javier Navarro
Miller Jonathan Aguilar	Kha Son Nguyen
Nathan Alonso	Carolyn Nguyen
Eduardo Alvarado Cazares	Thy Tam Nguyen
Beza Ashebir	Robin Le Nguyen
Katherine Joy Uyso Bareng	Delaney Rae Norris
Angelena Leann Beltran	Quinn Yumi O'driscoll
Amina Aslam Bhutta	Jared Aaron Galang Pacion
Travis Trang Thanh Bui	Andrea Jeanine F. Pahati
Arianna Borges Burneo	Catherine Rose Palm
Chad Ryan Caraan	Michelle Adriana Paredes Cota
Jasmine Gabriela Cardenas	Jose Manuel Partida
Parthiv Amit Chhapawala	Abigail Perez
Gabrielle A. Cruz	Diana Pham
Aubrey Visperas De Guzman	Justin Nt Quach
Samantha Dobey	Adam Tai Quach
Nadia Rose Drouineaud	Amairany Yamiley Quintana
Kaitlin Kalima Emmsley	Bryan Kenneth Tolentino Rabuco
Kimberly Aileen Erazo	Marycruz Rios-Dominguez
Obada Fayoumi	Javier Alexander Rios
Hannah Celeste Gomez	Mikey Rosas
Eric Ray Harper	Lynn Said
Yessenia Herrarte	Aileen Mercedes Salazar
Destiny Aimee Holmes	Jonathan Michael Serrato
George Andrew Ibarra	Kobe Bryant Solis
Julie J. Johnson	Simon Arthur F Streker
Cristina Jordan	Cassidy Kioko Stubbs
Verena Chanveta Ke	Maria Aquino Tabladillo
Aoi Kito	Madison Tao
Brenda I. Lazcano	Athena Thai
Vernon Le	Daniela Monserrat Torres
Justin Hy Le	Cecilia M. Tran
Tiffany V. Le	Trinity Hien Tran
Ernesto Leonardo	Amy Ha Trinh
Aaron Li	Angelyne Rose Villacruz
Ariana Lopez	Justin Cade Villaganas
Marilyn Luciano Martinez	Carlos Isai Villalobos Nava
Evelyn Xuan-Nghi Luong	Brianna Elizabeth Wormus
Adrean Navarro Martin	Elisa Zepeda

▲ **EARTH SCIENCE**

Bachelor of Science - Earth Systems

Katie Michelle Baraggiotta
Nathan Di Loc Chan

Rafael Anh Tuan Jr Ha
Riley Jarvis

Bachelor of Science - Geology

Nathan Di Loc Chan
Jocelyn Atilano Cruz
Hudson J. Cockroft
Teodora De Leon Custodio
John Rae Hauser
Michael J. Lee

Aidan Murphy
Asan Nabiev
Claire Dan-Uyen Nguyen
Eric Palma
Brian Slusser
Simon Arthur F Streker

▲ **ENVIRONMENTAL SCIENCE & POLICY**

Bachelor of Arts - Environmental Science and Policy

Victoria Marie Abad
Jacob Alexander Amster
Mack Rose Andersen
Beatrice Arellano
Kamron Dionisio Baello
Coryn Naomi Bray
Lexi Grace Breen
Brendan Joseph Byrne
Jade Alexis Campos
Claire Anais Castillo
Melany Castillo
Dylan Matthew Marrujo Crisostomo
Stella J. Earley
Remmie Dakota Felix
Diego Rene Flores
Natalie Elizabeth Guerrero
Malia Isabel Gutierrez
Rebecca Margaret Hale
Tyler Hanks
Hailey Hosilyk
Yaremi Isidor Morales
Madison Justine Jimenez
Yareli Lopez

Christian Eduardo Lopez Chinchilla
Audrey Blanche Mcdonald
Danny Menendez
Summer Michelle Moffett
Kimberly Monterrosa
Thanh Nhan
Hellen Nieto
Jk Oldenburg
Michael Glynne Parrish
Carissa Naomi Petersen
Vanessa Mendoza Polk
Ximena Ramirez
Carly Jade Ricks
Joe Sawamura
Samantha Nicole Soto
Miguel Alfonso Soto
Alexia Jean Steudle
Vani Diya Tyagi
Emily Uy
Dillon Robert Vienna
Adam Vincent Wagner
Alexis Zarate

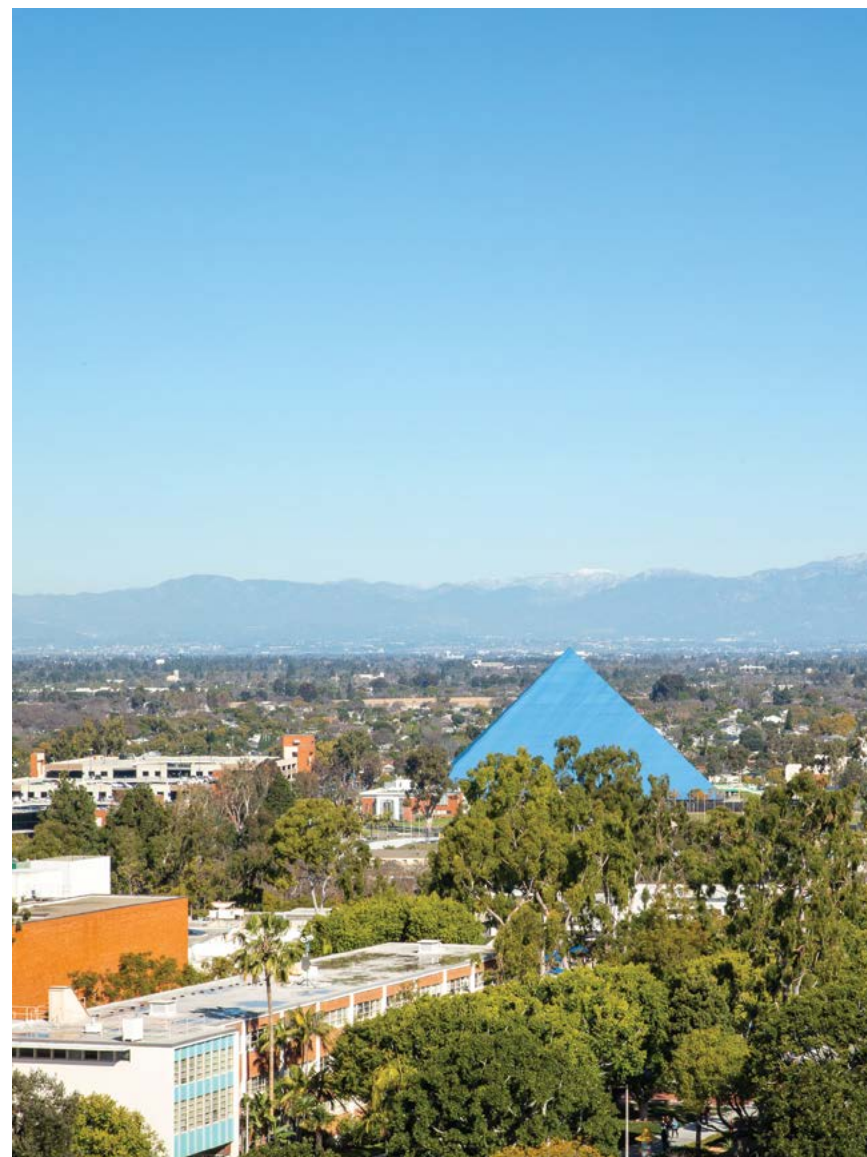
Bachelor of Science - Environmental Science and Policy

Joseph Andrew Acosta
Ariana Marie Acosta
Katelyn Ariana Aguirre
Maximus Alfredo Balcazar
Emilee Castillo
Olivia Carroll Clark
Marethythe Cooper
Trent Gersbacher

Danielle Linda Gonzalez
Paul Johnathan Gray
Amelia Francine Hahs
Jake Thomas Haro
Joost Heliix
Jose Adan Herrera
Samuel Santiago Herrera
Mariela Lisette Lara

Abbygail Isabella Mccoy
Jocelyn Castaneda
Brandon Monroy
Claire Dan-Uyen Nguyen
Justin Q. Phan
James Phung
Wyatt Ponsen
Luke Rettich

Rigoberto Aran Rodriguez
Kayla Lynn Romero
Marlene Rosales
Chloe Liann Schaeffer
Micah Alyssa Serna
Saul Ranjha Shad
Cassidy Allyn Shute
Abby Tan Soestyono



▲ **MATHEMATICS & STATISTICS**

Bachelor of Science - Applied Statistics

Malena Marie Clark
Keanu Marcus Hua
Victor Huynh
Sophia Maria Jasso
Jennifer Kim
Lillian Charlotte Mcgoldrick

Marcos Fabian Morales
Chi Le Uyen Nguyen
Bella Rodrigues
Heidi Christine Saldana
Nicole Sandoval Martinez
Andy H. Vu

Bachelor of Science - Mathematics - Applied Mathematics

Gabriel Steven Aguilar
Alexi Taylor Anaya
Carlos Baluyut
Lucas Bingham
Edgar Cendejas
Blossomhill Chao
Davie Chiem
Claire Jiwon Choi
Candice Cortes
Sophia Eichmann
Rocio Escareno
Tony Folmer
Nicole Giovanna Galassi Tolentino
Zaineb Halibi
Ryan Thomas Hernandez
Ellory Jones
Joseph Brian Kessler
Lexie Marie Kondo
Iris Leng
Dylan Peralta Leomiti
Connor Edward Lundby

Caleb Martinez
Natalie Elizabeth Moreno
Gia Han Nguyen
Ernesto P. Oropeza
Sal Pena
Samuel Poncher
Seth Potter
Dani Rodriguez
Jesenia Roman
Matthew Anthony Romero
Katrina Josephine Jalandoni Roque
Giovanni Sanchez
Isaac Solomon
David Somogyi
Colin O'donnell Devilla Torres
Ana Delia Tovar Cruz
Thi Minh Thuan Tran
Kelly N. Tran
Marcel Anthony Williams
Dirk Young

Bachelor of Science - Mathematics

Johann Rafael Agdan
Emily A. Aguilar
Idolina Estefany Castro
David Chi
Ethan Michael Dills
Katherine Iriss Dizon
Matthew Joseph Figueroa
Lizbeth Garcia
Landon Gochman
Fatima Gonzalez
Nikita Gurin
Carmen Daisy Hernandez
Holland Karaghiaulleian
Sabrina Lucy Kramer
Steven Matthew Krampach
Antonio J. Letson

Stefan Michael Lucero
Alyssa Nadine Madrigal
Juliet Alyssa Maldonado
Jeremiah Marquez
Jordan Alexis Mcfarland
Samia Mohamed
Rachel E. Murray
Mai Nguyen
Duke Okamura
Yerani Ortiz
Min Thi Hanh Pham
Julie Prost
Crystal Michelle Rivera
Judie Rodriguez
Chloe Michelle Romney
Ayden Ross

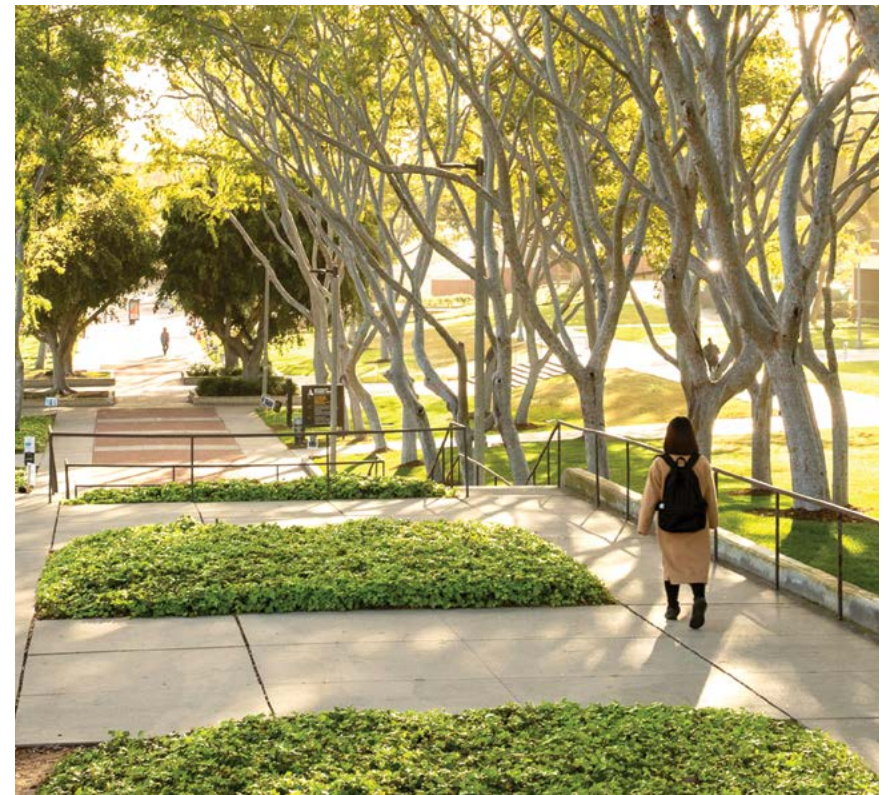
Joshua I. Ruiz
Yasmin Eda Saadati
Matthew Ray Stiles

Michelle Tran
Matthew Michael Valdez
Jose Antonio Zuniga

Bachelor of Science - Mathematics - Mathematics Education

Michelle Cabrera
Dominic Jace Calantas
Noah A. Cardenas
Liliana Grace Carrillo
Cuong Kim Dang
Juan De Santiago
Mateo Elizarraras
Madison Faith Fajardo
Hannah Lianne Fritcher
Yasmin Gomez
Sopheary Fuxue Howser
Shannon Carly Mee Sun Lee
Alexis Lopez-Ortiz
Emily Jordyn Lovato
Cesar Marroquin

Jorge Daniel Melena
Jacob Francisco Morales
Alejandro Mota
Diane Trang Nguyen
Francisco Javier Perez
Kelly Julissa Perez Medina
Long Pham
Nathan Anh Pham
Joaquin Rivas
Socheata Sokh
Joseph Po Hung Teng
Jennifer Vanessa Valdez Briones
Amy Walker
Madelyn America Zamora



▲ **PHYSICS & ASTRONOMY**

Bachelor of Arts - Physics

Gabriel Steven Aguilar
Jonathan Enyinnaya Ahaiwe
Diego Andrade
Mejean Eric Barriere
Lucas Bingham
Davie Chiem
Diego Alonso Davalos
Kaitlyn Devries
Joseph Von Earhart
Daniel Freire Rosales
Botond Hajdu

Anh Thoai Tran Le
Jonathan Lopez
Sakeena Mahmood
Caleb Martinez
Ernesto P. Oropeza
Samuel Poncher
Jhoselyn Quispe Aparco
Crystal Michelle Rivera
Dani Rodriguez
Jesenia Roman
Mailey Trieu

Bachelor of Science - Physics

Gabriel Steven Aguilar
Jonathan Enyinnaya Ahaiwe
Andrew William Baez
Lucas Bingham
Ivy Boiko
Gigi Marie Castaneda
Forrest William Chaffee
Davie Chiem
Henry Cueva
Kaitlyn Devries
Victoria Espino
Matthew Joseph Figueroa
Victoria Paloma Grajeda
Cassandra Destiny Iniguez
Lauryn Michelle James
Holland Karaghiaulleian
Joseph Brian Kessler

Sakeena Mahmood
Caleb Martinez
Mario David Montes
Jocelyn Van Khanh Nguyen
Nathan Thai Nguyen
Ernesto P. Oropeza
Chase Riley Owen
Samuel Poncher
Crystal Michelle Rivera
Dani Rodriguez
Jesenia Roman
Micah Nelson Schlechner
Nathan Seth Tokhi
Miguel Angel Tzintzun
Daniel Ulloa
Trevor J. Weiss

College of Natural Sciences & Mathematics

Candidates for Certificates

▲ **BIOLOGICAL SCIENCES**

Certificate - Biotechnology

Vincente De Casa Abatay
Zyrille Chloe Esquivel Abela
Anma Arora
Austin Esparza
Erika S. Gilmore
Stephanie Sofia Hernandez Guillen

Maria Joana Vmc Araujo
Leslie Michelle Ortiz
Miguel A. Ramirez
Kerollos Roufael
Adrianna Tran



President Loren J. Blanchard, Ph.D.
Chief of Staff, Office of the President Christopher C. Fowler
Provost and Senior Vice President for Academic Affairs Karyn Scissum Gunn
Vice President for Administration and Finance Scott Apel
Vice President & Chief Information Officer for Information Technology ... Bryon Jackson
Vice President for Student Affairs Beth Lesen
Vice President for University Relations & Development Daniel Montoya

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Governor of California

The Honorable
ELENI KOUNALAKIS
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Speaker of the Assembly

The Honorable
TONY K. THURMOND
State Superintendent of
Public Instruction

MILDRED GARCÍA
Chancellor

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Diego Arambula (Vice Chair)
Raji Kaur Brar
Jack B. Clarke Jr. (Chair)
Carson Fajardo
Jean P. Firstenberg
Wenda Fong
Mark Ghilarducci
Leslie Gilbert-Lurie
Jazmine Guajardo
Julia I. Lopez
Jack McGrory
Sam Nejabat
Yammilette “Yami” Rodriguez
Christopher Steinhauser
Darlene Yee-Melichar

COLLEGE COORDINATOR:

Margaret Karteron
Tatiana Avila
Lindsay Aymar

CAMPUS PARTNERS:

Alumni Engagement
Athletics
Beach Building Services
Beach Print Shop
Beach Shops
Bob Murphy Access Center
Enrollment Services
Information Technology
Strategic Communications
Registrar’s Office
University Events

UNIVERSITY COMMENCEMENT TEAM:

Daniel Montoya - VP, University Relations and Development
Christopher Reese - AVP, University Relations
Sally Schliesmayer - Director, University Events
Carmela Arstill - Associate Director, University Events
Melissa DeGravelles - Commencement Specialist, University Events
Steve Meredith - Voice Talent LLC - VOG (Voice of God/Announcer)
Commencement ASL Interpreters
DJ B-ROKK (Brandon Ayala) '18 - Event Music
Strategic Communications - Program Cover Design
Francisco N. Favela - Program Design

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