



75TH 
ANNIVERSARY

CLASS
of 2025

COMMENCEMENT

College of Natural Sciences & Mathematics

▲ 2025 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 23-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 41,000 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 seven Commencement Ceremonies, taking place over three days, to celebrate the accomplishments of the more than 11,000 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,



Congratulations on this extraordinary occasion as you celebrate the culmination of your studies at The Beach!

As you move the tassel on your cap from right to left, know that this ceremony is more than a milestone — it marks the end of one remarkable chapter and the beginning of another, brimming with excitement and promise.

This commencement ceremony stands as powerful evidence of your resilience and your ability to conquer every challenge that has come your way. This moment honors your many achievements: the countless deadlines met, proposals written, projects brought to fruition, and friendships nurtured. Yes, there were hurdles, but you rose above them, demonstrating that every step in life is a chance to learn and thrive.

All that you have experienced and learned at CSULB has given you the tools needed to shape the world for the better. As you step into new opportunities, you are poised to be a force for good in your communities, leaving a legacy of unique contributions that will uplift us all.

We are here today not only to celebrate your accomplishments but also to honor those who have walked this journey with you. Our dedicated faculty and staff, our unwavering Beach alumni, and your families and friends have all played a vital role in your success. To them, we owe heartfelt gratitude.

Congratulations, Class of 2025! As we celebrate your achievements, I am thrilled to welcome you into our extraordinary alumni family. Remember: You are Beach Alumni for life!

Go Beach!

Sincerely,

A handwritten signature in black ink that reads "Jane Close Conoley". The signature is fluid and cursive, with the first letters of each name being capitalized and prominent.

Jane Close Conoley, Ph.D.
President

A Message from the Chancellor...

Dear Class of 2025,



As we celebrate your accomplishments today, I hope you'll take a moment to consider how much you've changed since you first set foot on campus. In your time at the California State University, you have transformed yourself from someone with big dreams on a quest for knowledge into a person empowered to make limitless contributions to our world.

This transformation was inspired, supported and admired by your family, friends, colleagues and loved ones, who have cheered you on through your academic journey. It was spurred by your faculty, who have helped you develop a critical eye and a creative mind. And it was reinforced by the work of your counselors, advisors, librarians, tutors and coaches, who fostered an encouraging environment for you to persist, thrive and succeed.

You have filled all of us with pride.

You are now part of a vibrant network of well over four million CSU alumni who are powering California, the nation and the world. Together, you will solve our greatest challenges, educate the next generation, fight for democracy and a more just society, and enrich our workforce and communities with your talents.

As you continue on your exciting path forward, please stay connected to your alma mater and to the CSU. I hope you will use your connections – both to your campus and to other CSU alumni – to open new doors of possibility and to make a meaningful impact in your chosen field. I also encourage you to reach back often to support those who aspire to follow in your footsteps.

Today's event is called "commencement" for a reason. It is not an end, but rather the beginning of your next great pursuit. May your hard work and sacrifices lead to happiness, prosperity and deep fulfillment, both in your life and in the lives of those around you.

Congratulations, California State University Class of 2025. We can't wait to see all that you will accomplish.

Sincerely,

A handwritten signature in black ink that reads "Mildred Garcia". The script is elegant and cursive, with the first letters of the first and last names being capitalized and prominent.

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

Spencer Horton Cooper, *M.S. Geology*
Yiming Wang, *M.S. Applied Statistics*
David Boehmer, *M.S. Biology*

OUTSTANDING COLLEGE MASTERS GRADUATES

RICHARD D. GREEN DEAN'S GRADUATE SCHOLAR AWARD

Tyler Hadsell, *M.S. Physics*
Natalie Tran, *M.S. Chemistry*
Janel Ancayan, *M.S. Science Education*

Honors and Awards, continued...

OUTSTANDING THESIS AWARDS

Alexandra L. Bland, *M.S. Biology*
Tristan Kanoa Jongert, *M.S. Chemistry*
Spencer Horton Cooper, *M.S. Geology*
Claudia Camacho Garcia, *M.S. Mathematics Education*
Armando Reynoso, *M.S. Physics*
Kathleen Westervelt, *M.S. Science Education – Option in Secondary Science Education*

DEPARTMENTAL HONORS

BIOLOGICAL SCIENCES

Dalila Castillo, *B.S. Biology*
Samanta Castillo Levi, *B.S. Marine Biology*
Aline Curiel-Silva, *B.S. Marine Biology*
Anjali Johnson, *B.S. Marine Biology*
Julian Alonso, *B.S. Marine Biology*
Megan Warren, *B.S. Marine Biology*
Shawn Austria, *B.S. Molecular Cell Biology and Physiology*
Hailey Bunch, *B.S. Molecular Cell Biology and Physiology*
Natalia Lopez, *B.S. Molecular Cell Biology and Physiology*
Mark Latif, *B.S. Molecular Cell Biology and Physiology*
Tyler Overgaauw, *B.S. Molecular Cell Biology and Physiology*
Kien Pham, *B.S. Molecular Cell Biology and Physiology*
Brenda Aleman, *B.S. Biology*
Allison Do, *B.S. Biology*
Matthew Drake, *B.S. Biology*
Lynn-Marie Tapia, *B.S. Biology*
Emily Pham, *B.S. Biology*
Jake Ngo, *B.S. Biology*
Marvina Ibrahim, *B.S. Biology*
Quoc Thang Lam, *B.S. Biology*
Sydney Le, *B.S. Biology*
Thuy Tuyet Tram Le, *B.S. Biology*
Chase Leggett, *B.S. Biology*
Paris Marabut, *B.S. Biology*
Jasmin Flores, *B.S. Biology Education*
Daniel Chiu, *B.S. Microbiology*
Maya Wyr, *B.S. Microbiology*
Shem Ricarte, *B.S. Microbiology*
Sergio Flores, *M.S. Biology*
Jessica Mary Burton, *M.S. Biology*
Michelle Smith, *M.S. Biology*
Emily Ann Blackwell, *M.S. Biology*

CHEMISTRY AND BIOCHEMISTRY

Aden Gomez, *B.S. Biochemistry*

Gia Arcillas, *B.S. Biochemistry*
Vanessa Khuc, *B.S. Chemistry*
Ethan Lucsik, *B.S. Biochemistry*
Aaron Levy, *B.S. Chemistry*
Jessica Shin, *M.S. Biochemistry*
Zachary Hill, *M.S. Chemistry*
Uyen Vo, *M.S. Biochemistry*

EARTH SCIENCE

Luis-Enrique Esparza, *B.S. Geology*
Hudson Cockroft, *B.S. Geology*

ENVIRONMENTAL SCIENCE AND POLICY

Christina Giudice, *B.S. Environmental Science and Policy; Minor in Biology*
Madison Bartlett, *B.S. Environmental Science and Policy; Double Minor in Spanish and Geology*
Samantha Horne Rivera, *B.S. Environmental Science and Policy; B.S. Geology*

MATHEMATICS AND STATISTICS

Sofia Elena Del Bello Arnold, *B.S. Mathematics – Mathematics Education*
Janelle Tolentino Cayton, *B.S. Mathematics – Mathematics Education*
Marissa Nikko Pham, *B.S. Applied Statistics*
Joshua Alejandro Lara-Ponce, *B.S. Mathematics – Applied Mathematics*
Kristina Ponomareva, *B.S. Mathematics – Applied Mathematics*
Nathanael Rosnick, *B.S. Mathematics*
Cole David Whitney, *B.S. Mathematics*
Richard Craig, *M.S. Mathematics – General*
Seth Malonson, *M.S. Computation and Applied Mathematics*
Valeria Sanchez Sanchez, *M.S. Mathematics Education*
Cory Suzuki, *M.S. Applied Statistics*

PHYSICS AND ASTRONOMY

Brendan Winkler, *B.S. Physics - Material Science*
Keara LeeAnn Allen, *B.S. Physics*
Audrey Corbin, *B.S. Physics*
Andrew Joshua Householder, *M.S. Physics*
Fernanda Razo, *M.S. Computational Physics*
Adam Riley Bowen, *M.S. Applied Physics*

SCIENCE EDUCATION

Jessica Mendoza, *M.S. Science Education – Option in Secondary Science Education*
Vanessa Andre, *M.S. Science Education – Option in Secondary Science Education*

OUTSTANDING COLLEGE BACCALAUREATE GRADUATES

RICHARD D. GREEN DEAN'S AWARD

Kayla B. Cheney, *B.S. Marine Biology*
Maya H. Rogalski, *B.S. Chemistry*
Samantha Horne Rivera, *B.S. Geology; B.S. Environmental Science and Policy*
Moises De La Torre, *B.S. Environmental Science and Policy; Double minor in Earth Science and Biology*

Honors and Awards, continued...

Keanu Keopimpha, *B.S. Applied Statistics*

Movindu Kawshan Dissanayake Dissanayake Mudiyansele, *B.S. Physics;*
Applied Mathematics Minor

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

Donavon Shreve, *Single Subject Credential – Biology*
B.S. Kinesiology, Chapman University



College of Natural Sciences & Mathematics

Candidates for the Master's Degree

▲ BIOLOGICAL SCIENCES

Master of Science - Biology

Alejandra Aguilar

Ivanna Arrizon Elizarraras

Thesis: *Assessing the role of temperature on development and metabolism of the purple sea urchin, Strongylocentrotus purpuratus*

Advised by: Dr. Douglas Pace

Emily Ann Blackwell

Thesis: *Impacts of Artificial Light and Urban Heat Islands on Urban Mammals*

Advised by: Dr. Theodore Stankowich

Corbin Xzavier Blanch

Thesis: *Correlates of Fish Abundance and Community Composition in Eelgrass Beds in Southern California*

Advised by: Dr. Christine Whitcraft

Alexandra Lois Bland

Thesis: *Density-Dependence Across Social Organization in a Primate Population*

Advised by: Dr. Raisa Hernández Pacheco

David Phillip Boehmer

Thesis: *The Role of Habitat Features on the Breeding and Behavior of the Belding's Savannah Sparrow in Fragmented Salt Marshes of Southern California*

Advised by: Dr. Christine Whitcraft

Jessica M. Burton

Thesis: *Facilitating the Use of Artificial Habitat Supplementation for the Light-Footed Ridgway's Rail (Rallus Obsoletus Levipes)*

Advised by: Dr. Christine Whitcraft

Ynez Alejandra Diaz

Thesis: *Urban Heterogeneity as a Driver for Species Interactions in an Urban Bird Community*

Advised by: Dr. Christine Whitcraft

Lauren Layne Faulkner

Thesis: *Site Fidelity and Movement Patterns of Fishes Associated with Qatar Oil Platforms in the Arabian/Persian Gulf*

Advised by: Dr. Chris Lowe

Sergio Flores

Thesis: *Investigating C1q-Modulation of Lipid and Mitochondrial Metabolism in Microglia*

Advised by: Dr. Deborah Fraser

Derek Anthony Fuller

Ariel Gilligan

Kelly Jane Hood

Thesis: *Bobcat (Lynx rufus) Occurrence and Co-Occurrence: Trends in Abundance, Competition, and Coat Pattern Distribution*

Advised by: Dr. Theodore Stankowich

Elizabeth Erin Jahn

Thesis: *Relative Abundance and Community Composition of Juvenile White Shark (Carcharodon Carcharias) Prey Species Along Southern California Beaches*

Advised by: Dr. Chris Lowe

James Koo

Thesis: *Studying ERF022's Role in the Regulation of Leaf Senescence Through Generation of a Transgenic pERF022:ERF022-YFP Arabidopsis thaliana Line*

Advised by: Dr. Judy Brusslan

Ariana Min Lee

Thesis: *Assessing the Phenotypic Plasticity Response in Low-Fed Larvae of Dendroaster excentricus When Switched to High Food Conditions*

Advised by: Dr. Douglas Pace

Adrian Lopez-Lopez

Thesis: *Investigating the Role Two Bolting-Associated Genes, bZIP34 and bZIP61, Play in Leaf Senescence and Abiotic Stress Response in Arabidopsis thaliana*

Advised by: Dr. Judy Brusslan

Alexis Jeannette Lundquist

Thesis: *Local Adaptation and Heritability of Tolerance to Climate Change Conditions in the Larvae of California Grunion*

Advised by: Dr. Darren Johnson

Sergio Madrigal Mora

Thesis: *Movements and Aggregations of Pacific Nurse Sharks (Ginglymostoma Uنامی) in an Upwelling Bay in the North Pacific of Costa Rica*

Advised by: Dr. Chris Lowe

Caitlin Marie Moore

Thesis: *Assessment of DREAM-regulated gene development in TBBPA (tetrabromobisphenol A) exposed zebrafish (Danio rerio) embryo-larvae*

Advised by: Dr. Erika Holland

Benjamin Minh-Thong Nguyen

Thesis: *Personality Variation in a Marine Snail: Behavioral Repeatability and Selection in Natural Populations*

Advised by: Dr. Darren Johnson

Master of Science - Biology, continue...

Thomas Alejo Rocca

Thesis: *Microplastic Fiber Toxicity in the Inland Silverside (Menidia beryllina) and the Pacific Oyster (Crassostrea gigas)*

Advised by: Dr. Erika Holland

Michelle Masae Smith

Thesis: *Confirming the Predicted Role of the Zinc-Finger Homeodomain Transcription Factor HB34 and its Redundant Paralog HB23 in Leaf Senescence*

Advised by: Dr. Judy Brusslan

Shannon Elizabeth Tarby

Thesis: *Assessing the Effects of Weathered Microplastics and Copper Sorbate on Larval Zebrafish (Danio rerio)*

Advised by: Dr. Erika Holland

Kameron Cassidy Wong

Thesis: *Evaluating DREAM-Regulated Transcriptional Changes Induced by Tetrabromobisphenol A in Adult Danio rerio*

Advised by: Dr. Erika Holland

Master of Science - Microbiology

Michael Anderson

Thesis: *Determining whether SARS-CoV-2 variants bind to and infect CD4+ T cells*

Advised by: Dr. Peter Ramirez

Natalie Rose Cokel

Thesis: *Metagenomic Investigations of Gut Organ Bacterial Communities of the Heart Urchin Brisaster Townsendi*

Advised by: Dr. Jesse Dillon

Lauren Emily Cross

Thesis: *Spatial and Temporal Responses in Microbial and Invertebrate Communities to Oiling of a Southern California Salt Marsh*

Advised by: Dr. Jesse Dillon

Victor Hugo Flores, Jr.

Thesis: *From Bioinformatic Predictions to Biochemical Realities: The Case of C4, A Bifunctional Xylanase-Esterase*

Advised by: Dr. Renaud Berlemont

Leticia M. Galvez Alva

Thesis: *The Recruitment of Antibiotic Resistance Genes Across Bacterial Lineages and Environments*

Advised by: Dr. Renaud Berlemont

Jocelyn Leon Padilla

Thesis: *From Sequence to Function: Nature Inspired Enzymes for Cellulose Deconstruction*

Advised by: Dr. Renaud Berlemont

Amogh Sudarshan

Thesis: *The Functional Potential for Carbohydrate Processing Across Environmental Microbial Lineages*

Advised by: Dr. Renaud Berlemont

▲ CHEMISTRY & BIOCHEMISTRY

Master of Science - Biochemistry

Aditi Ketankumar Acharya

Thesis: *The structural organization of the C-terminal helices of apoA-I in discoidal HDL*

Advised by: Dr. Paul Weers

Tuhina Bhattacharya

Thesis: *Investigating the Mechanism of Action of SC66 - A Small Molecule Modulator of Protein Kinase Akt*

Advised by: Dr. Deepali Bhandari

Michelle Castillo

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

Advised by: Dr. Deepali Bhandari

Magdalene Ebenezer

Thesis: *Characterizing the Interaction of Human Mical-I with Cytoplasmic Actin Isoforms Recombinantly Expressed in Pichia pastoris Yeast*

Advised by: Dr. Elena Grintsevich

Joshua Garcia

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

Advised by: Dr. Vasanthy Narayanaswami and Dr. Young Shon

Vanessa Garcia

Thesis: *The effects of glycosylation on apolipoprotein E structure and function*

Advised by: Dr. Vasanthy Narayanaswami

Youn Lwin Lwin Han

Thesis: *Conformational analysis of reconstituted discoidal and spherical high density lipoprotein bearing apolipoprotein E3*

Advised by: Dr. Vasanthy Narayanaswami

Divyanshi Jindal

Thesis: *Multi-site Chemical Modification of the Sense Strand of siRNA: Effects on Cellular Uptake and Silencing Efficiency*

Advised by: Dr. Kasha Slowinska

Jordan D. Keys

Thesis: *Evaluating the role of triosephosphate isomerase residues located in the second shell*

Advised by: Dr. Jason Schwans

Vidya Nilesh Metkar

Thesis: *Development of Nanodiscs with Apolipoprotein E3 for Enzyme Replacement Therapy of Acid Sphingomyelinase for the Treatment of Niemann-Pick Disease*

Advised by: Dr. Vasanthy Narayanaswami

Samantha Rose Perez

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

Advised by: Dr. Deepali Bhandari

Anthony J. Rios

Thesis: *Role of Protein Kinase Akt2 in Regulation of Endoplasmic Reticulum Stress Signaling*

Advised by: Dr. Deepali Bhandari

Jessica Shin

Thesis: *Lipidomic Response of Aortic Endothelial Cells to Apolipoprotein A1 and High-Density Lipoprotein*

Advised by: Dr. Vasanthy Narayanaswami

Uyen Vo

Thesis: *Employment of apolipoprotein III chimeras provides insight into apolipoprotein A-I self-association*

Advised by: Dr. Paul Weers

Master of Science - Chemistry

Andrew Nady Beshay

Radical Redox Kinetics of Tetrahydrocannabinol and Associated Metabolites Through Advanced Oxidative Process for Wastewater Remediation

Advised by: Dr. Stephen Mezyk

Morgan Lily Carman-Giles

Thesis: *Synthesis and Spectroscopy of Photoanodic Iron (III) Oxide Films*

Advised by: Dr. Hadi Tavassol

David Feliz

Thesis: *Chemomechanics of Layered Materials: MoSe₂ Synthesis Control and Thickness Dependence on Reaction Conditions*

Advised by: Dr. Hadi Tavassol

Zachary Joey Hill

Thesis: *Investigation into the Reaction of α -Boryl Radicals with E-Alkenyl Bromide Using Nickel-Catalyzed Asymmetric Reductive Cross-Coupling Reactions*

Advised by: Dr. Julie Wahlman

Andy Huang

Thesis: *Synthesis and Optical Properties of Novel Olivine-Based Phosphor*

Advised by: Dr. Shahab Derakhshan

Diana Jimenez

Thesis: *Solution Effects on Platinum Surfaces During the Hydrogen Evolution Reaction*

Advised by: Dr. Hadi Tavassol

Tristan Kanoa Jongert

Thesis: *Effects of Modulator Agents on the Formation of ZIF-8 Nanocrystals*

Advised by: Dr. Fangyuan Tian

Miriam Torrez

Thesis: *Selective Excitation of the 1La State or Tryptophan in Collagen-Like Peptides Can Reveal the Formation of a Heterotrimer*

Advised by: Dr. Kasha Slowinska

Natalie Uyen Tran

Thesis: *Developing Gas Separation Materials from Pore-Spaced-Partitioned Metal-Organic Frameworks*

Advised by: Dr. Xianhui Bu

▲ EARTH SCIENCE

Master of Science - Geology

Daniella Balassa

Thesis: *What is a Giraffe-Like Camel? A Taxonomic Revision of the Miocene Camel, Oxydactylus*

Advised by: Dr. Lora Stevens-Landon

Benjamin Guillaume Bigarre

Thesis: *Estimation Of Submarine Groundwater Discharge From Water Balance On Three Watersheds Of Mo'orea French Polynesia*

Advised by: Dr. Matthew Becker

Faith Elizabeth Burkett

Thesis: *MGeomorphic indicators of Neotectonic activity along the Santa Ynez Fault, Santa Barbara County, California*

Advised by: Dr. Nate Onderdonk

Vural Burc Cakir

Thesis: *Delineation of the Origin of Fluids That Infiltrated a Dextral Transpressive Shear Zone in the Eastern Central Sierra Nevada by Comparing B, O, and H Isotope Data From Different Populations of Tourmaline Occurring Along the Study Area*

Advised by: Dr. Greg Holk

Bedig Charkhutian

Thesis: *Lithostratigraphy, Sedimentology, And Petrography Of The Siliceous Lithofacies In The Upper Modeloturbidite System, Eastern Ventura Basin, Southern Lake Piru, California*

Advised by: Dr. Richard Behl

James Conway

Spencer Horton Cooper

Thesis: *Evaluating the Relative Influence of Rock Strength and Uplift Rate on the Geomorphic Expression of a Mountain Belt: Case Study From the Western Transverse Ranges of California*

Advised by: Dr. Nate Onderdonk

Hannah Elthea Fitzpatrick

Ernest A. Jackson

Thesis: *Environmental controls on fecal stanol movement in experimental soil columns*

Advised by: Dr. Lora Stevens-Landon

Aaron Benjamin Kantrowitz

Adam Aaron Ketchum

Caroline Korterud

Eduardo Jacques Martinez

Sara Marie Olson

Linda Astrid Pineda

Thesis: *A Comparative Analysis of Holocene Monsoon Precipitation in the Central Highlands of Vietnam using Compound-specific Isotope Analysis of Leaf Wax n-alkanes*

Advised by: Dr. Lora Stevens-Landon

Mark Joseph Pratt

Thesis: *Investigating The Impact Of Sea Level Rise On Groundwater Pollution Vulnerability In California Coastal Aquifers*

Advised by: Dr. Matthew Becker

Melony Robinson-Williams

Vincent Matthew Ruiz

Megan K. Sutcliffe

Amanda Renee Seckington

▲ MATHEMATICS & STATISTICS

Master of Science - Applied Statistics

Ryan Alquillera

Thesis: *Rif Orange County: Exploratory Sales Analysis & Forecasting*

Advised by: Dr. Song, Reo (COB)

Zoe Ann Arias

Alison Rose Bamford

Richard Joseph Burson

Thesis: *Using Machine Learning to Predict the Next Pitch of an MLB Game*

Advised by: Dr. Kagba Suaray

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

Shane Chung

Thesis: *Detecting Brain Activity Irregularities to Distinguish Alzheimer's and Multiple Sclerosis from Healthy States*

Advised by: Dr. Olga Korosteleva

Gerry Cruz

Thesis: *Predictive Modeling in Microfinance: Analyzing Loan Funding Timeframes Using Machine Learning and Text Analysis*

Advised by: Dr. Seungjoon Lee

Richard Jeffery DiazDeLeon

Thesis: *Enhancing Call Center Efficiency Through Predictive Analytics and Staffing Optimization*

Advised by: Dr. Hojin Moon

Paul Eady Didham

Thesis: *Forecasting Short-Term Spring Wind Conditions In Long Beach Using Armax Time Series Models*

Advised by: Dr. Sung Eun Kim

Gabriel Fanucchi

Thesis: *Exploring the Shape of Medical Data Through Topological Data Analysis and Manifold Learning*

Advised by: Dr. Seungjoon Lee

Sowon Jung

Thesis: *Advanced Statistical and Machine Learning Approaches to Survival Analysis*

Advised by: Dr. Olga Korosteleva

Yoshimi Fiorella Kina Chinen**Vichetra Lim****Kierra Manuel**

Thesis: *Machine Learning Modeling of Student Retention at Compton College*

Advised by: Dr. Kagba Suaray

Katya Mora

Thesis: *Predictive Modeling for Detecting Fraudulent Insurance Claims*

Advised by: Dr. Olga Korosteleva

Ryan Ngo**Nhat Hoang Nguyen**

Thesis: *Development of a Novel Heart Failure Survival Model for Finnish Adults: Integrating Multiple Risk Factors and Machine Learning Algorithms*

Advised by: Dr. Hojin Moon

Phan Nguyen

Thesis: *Personalized Medicine Using Clinical Decision Support Systems: Survival Analysis in Non-Small Cell Lung Cancer Patients*

Advised by: Dr. Hojin Moon

Meha Hemant Patel**Kennedy Perera****Nathaniel Rice**

Thesis: *Implementing Generative Adversarial Networks for Enhanced Image Segmentation*

Advised by: Dr. Seungjoon Lee

Noppakan Sirikul

Thesis: *Predicting CSULB Master's Student Time-to-Degree Using Regression and Classification Methods*

Advised by: Dr. Seungjoon Lee

Cory Shigeto 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: *Enhancing Softball Analytics With Baseball Techniques*

Advised by: Dr. Kagba Suaray

Bonnie Tran**Ellen Vo****Yiming Wang**

Thesis: *A Comprehensive Analysis Oncofertility Care Outcomes Using Traditional Statistical Methods and Machine Learning*

Advised by: Dr. Seungjoon Lee

Master of Science - Computational and Applied Mathematics
Sofia Beigi**Raymond Chau****Kimberly Megan Morente Cheng****Kajal Kiran Churi****Christopher Michael Glasgow****Melvin Kem****Jose Landa****Seth Robert Malonson**

Thesis: *Learning PDEs from Noisy Data with PDE-Net 2.0*

Kristine Martinez**Russell Curtis Powell****Eddie Rivera****Monica Tejeda****Yufei Xie**

Master of Science - Mathematics
Richard Eston Craig**Shehan Michael Fonseka****Isabelle Lopez**

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

Karen Cabral

Claudia Camacho Garcia

Thesis: *Exploring Student and Teacher Perspectives of Active Learning in Secondary Mathematics Classrooms*

Advised by: Dr. Antonio Martinez

Isabella Rose Domingo

Talea Cheyenne Doty

Marco Antonio Flores

Sarah Hua

Katherine Celine Khiev

Allison Yaena Kim

Ryan Hay Lao

Andres Nieva Ramirez

Denise Rios

Valeria Sanchez Sanchez

Thesis: *You are a Math Person: Promoting a Positive Mathematical Identity at the Secondary Level*

Advised by: Dr. Antonio Martinez

Emily Danelle Torres

Michael Yi

▲ PHYSICS & ASTRONOMY

Master of Science - Physics

Mohammad Ashas

Hugo Chica

Thesis: *The Phase Diagram of Strongly Interacting Matter*

Advised by: Dr. Thomas Klaehn

Sylvia Chow

Thesis: *Astrophysics of Compact Objects: Neutron Star Equation of State and Active Galactic Nuclei*

Advised by: Dr. Prashanth Jaikumar

Colin R. Ford

Cristian Garcia

Thesis: *Clean superconducting-magnetic proximity system in a time-dependent electromagnetic field*

Advised by: Dr. Andreas Bill

Richard Gibbs

Thesis: *Exploring Quantum Spin Liquid excitations In Kitaev Materials Through Electronic Transport Measurements*

Advised by: Dr. Claudia Ojeda-Aristizabal

Tyler Hadsell

Thesis: *Quantifying the Lifshitz transition at the Fermi surface of the quantum material PbTe_2 through the numerical calculation of a topological invariant deduced from photoemission data*

Advised by: Dr. Claudia Ojeda-Aristizabal

Andrew Joshua Householder

Thesis: *Studies of Polymer-Nematic Interactions Using a Novel Experimental Platform with Magnetic Controllability*

Advised by: Dr. Alex Klotz

Felipe Kosareff

Project: *Optical conductivity in twisted bilayer graphene*

Advised by: Dr. Andreas Bill

Anise Edward Mansour

Thesis: *Looking for Signatures of Low Dimensional Magnetism in Molecular Thin Films and van der Waals Ferromagnets*

Advised by: Dr. Claudia Ojeda-Aristizabal

Brian Wilcox

Thesis: *Uncovering how inquiry-driven curriculum is enacted in an undergraduate electromagnetism laboratory course*

Advised by: Dr. Sara Dozier

Master of Science - Physics – Applied

Camille Reilly Beard

Thesis: *Optical Tweezers for Stretching Kinetoplast DNA: Setup and Calibration*

Advised by: Dr. Alex Klotz

Adam Bowen

Thesis: *Observing odd triplet superconductivity in micropillar Josephson junctions with Niobium Nitride and Permalloy/Samarium Cobalt exchange spring magnet*

Advised by: Dr. Jiyeong Gu

Victor Corona

Thesis: *Characterizing Solid State Nanopore Fabrication And DNA Translocation*

Advised by: Dr. Alex Klotz

Erin Henkhaus

Thesis: *Surface Morphology Evolution of Copper Phthalocyanine Thin Films via Bithermal Deposition*

Advised by: Dr. Thomas Gredig

Kedar Yadav

Project: *Quantum Inverse Method & the Fractional Quantum Hall State*

Advised by: *Dr. Michael Peterson*

Master of Science - Physics - Computational Physics

Jose Camacho Osuna

Thesis: *Quantum Topological Phases arising from the Weyl - Kondo Semimetal model*

Advised by: *Dr. Sarah Grefe*

Sophealena Reginie Chhom

Thesis: *Magnetic 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 Klähn*

Charles Hapich

Project: *Age dating halo substructures with APO-K2 asteroseismology*

Advised by: *Dr. Joel Zinn*

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: *An empirical $\Delta\nu$ and its effect on luminous giant asteroseismology systematics*

Advised by: *Dr. Joel Zinn*

Gio Rosales

Thesis: *An Asteroseismic Mass Measurement For The Mass Gap Object 2mass J05215658+4359220*

Advised by: *Dr. Joel Zinn*

Master of Science - Physics - Professional Physics

Javier Estrada Olmos

Thesis: *Spacecraft Electric Propulsion Utilizing Ion and Hall Thrusters*

Advised by: *Dr. Jiyeong Gu*

▲ SCIENCE EDUCATION

Master of Science - Science Education – TK-12 Science Education

Tamara Flores

Thesis: *STEM Days and Science Identity*

Advised by: *Dr. Sara Dozier*

Master of Science - Science Education - Informal Science Education

Zoe Komaki Allen

Thesis: *Development of Interest in Nature Among Generation Z Naturalists*

Advised by: *Dr. J. Kisiel*

Janel Ancayan

Project: *Pipeline to Water Pros: Exploring Young Adult Pathways to a Career In Water*

Advised by: *Dr. J. Kisiel*

Master of Science - Science Education - Secondary Science Education

Vanessa M. Andre

Thesis: *Student Perceptions of an Ecosystem Project*

Advised by: *Dr. Amy Ricketts*

Jessica Mendoza

Thesis: *Understanding Students' Perspectives on Computational Thinking in the Context of High School Chemistry*

Advised by: *Dr. Sara Dozier*

Kent Thien Vi

Thesis: *Students' Emotions in Analyzing and Interpreting Data: Exploring Affect in a High School Physics Classroom*

Advised by: *Dr. Sara Dozier*

Kathleen Westervelt

Thesis: *Exploring the Role of Identity in Climate Change Learning*

Advised by: *Dr. Amy Ricketts*

College of Natural Sciences & Mathematics

Candidates for the Bachelor's Degree

▲ BIOLOGICAL SCIENCES

Bachelor of Science - Biology

Aldrey J. Abat
Caroline Itzel Adame-Espinoza
Adeline Harrison Adney
Paula Agero
Antonio Aguilera Magana
Vaibhav Nimeshkumar Ahir
Sophia Celeste Alcala
Brenda Aleman
Martin Alfaro
Melanie Elizabeth Almanza
Reese-Shae Ancheta
Emilia Marie Antcil
Isabella Pantig Astorga
Naya Aviv
Sime S. Baskovic
Raymond Elijah Bonney
Keaira Bre'chelle Borders
Adrian Burgos
Jackeline Cabrera
Kenneth Nguyen Cao
Cynthia Jacqueline Carranza
Daniela Ivana Castaneda
Gabriella Castellano
Ruben Cervantes
Reena Chang
Ryan Cheng
Jonathan Contreras Perez
Remington Lane Cook
Cassidy Joyce Craig
Gisell Cruz Mora
Sage Cuza
Simon Dylan Dang
Bryan Dang
Princess Stephany De Los Reyes
Nicholas Andrew Deang
Ilia Deylami
Ahira Celia Diaz
Vanessa L. Diaz
Keenan Dickerson
Brandon Dickson
Anh Tram Dinh
Crystal Ngoc Dinh
Rizel Marie Dioquino

Allison Do
Simon Do
Alyanna Yzabel Dorado
Matthew Wilson Drake
Katie Datanie Duch
Angel Gerardo Echeverria
Monika Elgendy
Natalie Elizarraras
Leena Renae Escamilla
Vishan Noel Few
Miresly Figueroa
Katie Fish
Emily Elizabeth Fitzpatrick
Katy Lynn Fryer
Jory Gao-Lin Furukawa
Jhanna Michelle Galan
Edward Adam Galarza
Gabriela Isabel Garcia
Roy Garcia
Valeria Ruby Garcia
Kasey Garcia- Serrano
Fletcher David Garrett
Jacqueline Elizabeth Gonzalez
Adrian Dair Gonzalez - Preciado
Paul Johnathan Gray
Daniel Gudino Palacios
Jocelyn Guerrero
Hay-Yoi Dolkar Nyshang Gurung
Malia Remedios Haines
Joy Abigail Hall
Pasha Hassan Goudarzizadeh
Alyssa Leiah Hawkins
Emily Mitzya Hernandez
Jose Hernandez
Stephanie Sofia Hernandez Guillen
Shalini Divyanjana Hewage
Amy Ho
Helen Kieu-Phi Ho
Taylor Thi Hoang
Po Yuan Hsieh
Lourdes Huerta-Reyes
Ariana Isabella Huevo
Henry Xuan Huynh

Marvina Ibrahim
Gabriel Andrew Jaramillo
Connor Michael Jenkins
Pricila Jimenez
Melany Jimenez
Tyler Johnson
Ben Kun Kaing
Mathew Kakish
Katie Beatrix Kalocsai
Brianna Aiko Kawakubo
Megumi Kawano
Nicholas Gerard Kefalas
Daniel Khan
Talar Natalie Khedesian
Sharon Kim
Elena Maria Elizabeth Klyce
Jenny Ngoc Lac
Ben Lam
Quoc Thang Lam
Kathleen Emily Larios
Madelyn Phuong Le
Kwan Deven Le
Sydney Kim Le
Thuy Tuyet Tram Le
Grace Lee
Chase Harrison Leggett
Lovely Melonie Lim
Trinity Sumiko Little
Timothy J. Liu
Oscar Loza
David Luong
Vo Bach Luong
Tam Ma
Allysa Marie Madrigal
Paris Marabut
Luz Marlene Marin Martinez
Aaron Anthony Martinez
Eryn Maternal
Jessica Cristina Mathus
Valentina McNally
Alicia Sarahi Vega Medina
Elizabeth Medina Muniz
Thomas Mikhael
Niayla Shanice Miller
Ethan Davis Moawad
Izabella Mohamed
Xochitl Anette Moreno
Joshua Murcia
Joseph Rahul Nagothu
Fady Nassralla
Tako Natsvlshvili
Cameron Nava

Bryan Navarro
Jake Tao Ngo
Van Nguyen
Bryan Huynh Nguyen
Thaovi Hoang Nguyen
Phoebe Nhu Nguyen
Michelle Au Nguyen
Jason T. Nguyen
Donald Nhut-Tan Nguyen
Alan Vu Nguyen
Karen Thuy Nguyen
Meera Nguyen
Emily Nicholson
Autumn Kaylee Nocon
Logan Ortiz-Macz
Lizette Destiny Parajon Vazquez
Kayla Ximena Pardo Fitz
Fabiana Micaela Paredes
Ana Maribel Pedro Andres
Giselle Perez
Salvador Alejandro Perez
Christopher Dat Pham
Michelle Jessie Pham
Pauline Vo Pham
Emily Pham
Tony Polony
Ana Porras-Guaderrama
Chelsea Skye Rianne Alcanzarin Ramirez
Kyla Arsael Morante Ramos
Lance Dant'e Rich
Emely Jocelyne Rincon
Ashley Denise Rivas
Arturo Robles
Amaya Sophie Rodriguez
Brianna Isabelle Rodriguez
Melody Mia Rodriguez
Sayra Rodriguez-Escobar
Victoria Ashley Rojas
Erica Rojas
Taylor Katherine Rose
Sierra Reece Rosenzweig
Elvira Lizbeth Salazar
Larry Michael Salinas
Anahi Sanchez
Alexis Dominique Sanchez
Brandie Sanchez
Nicole Jessica Sandoval
Patrick Santos
Julian Francisco Santoyo
Lauren Emily Schraeder
Sogand Shabani
Alina Kioko Shaheen

Bachelor of Science - Biology, continued...

Natalia Shcherbakova
Zhina Shirdel
Ameesha Kristina Singh
Jesse Abraham Solis
Ehsan Masood Subhani
Khac Binh Ta
Lynn-Marie Tapia
Jeremy James Tejeda
Kittipod Therdtrakulrat
Davina Thomas
Jimmy K. Tran
Sean An-Loc Tran
Katrina Trinh
Emily Paige Troxel
Khennedi Senye Turner
Arlen Uriarte
Sophia Stephanie Valdez
Ana Dalia Valdovinos
Alexis Cristina Valenzuela

Alexandria Valladares
Sofia Vasquez
Noy Vazana
Evelyn Vazquez
Brian Asher Panis Villate
Briana Marie Viveros
Devin Duc Vu
Taylor Vu
Johnny Duc Vu
Bryant Vu
Cassidy Vu
Aroquiell Claire Wall
Jacob Weber
Amber Lang Williams
Janissa Ying Wong
Anthonia Marie Wright
Patrick Yep
Jessica Yi



Bachelor of Science - Biology - Biology Education

Aidan Arthur Alarcon
Camryn E. Arnott
Katelyn Beck
Yadira Elena Carrillo
Carina Timbol Dela Paz
Jasmin Briana Flores

Jessica Kuang
Ethan Pheng Ly
Logan Andrew Meece
Julia Nicole Rizkallah
Leslie Romero

Bachelor of Science - Biology - Molecular Cell Biology and Physiology

Vincente De Casa Abatay
Hana Ehab Abusair
Al Zaki Alzghol
Leila Maria Mariano Albaira
Tasneem Al-Halabieh
Genovi Guadalupe Amador
Jakob Anthony Arakawa
Rowan Arias
Anma Arora
Shawn Ryan Austria
Sofia Jane Badery
Jaideelee Jewel Dacula Barker
Betty Bender
Lukas Daniel Berhe
Cameron Daniel Brown
Hailey Ann Bunch
Britney Chelsea Castaneda Ponce
Maddison Rose Castillejos
Andrea Castillo Sevilla
Sara Valentina Santoyo Cervantes
Starleen Chau
Jay King Chea
Michelle Alexa Coguo
Kaitlyn Esperanza Cole
Omar Corcoles
Caitlin Paige Menor Cruz
Manuel Cruz Jr
Richard Marcelles Curry
Melissa De La Fuente
Ivan Delgado
Mousa Diab
Angie Dinh
Bridgett Do
Lukas W. Doornbos
Shaikh Farha Hossain Drishty
Brianna Du
Negin Favakehi
Erik Fermin
Katherine Ferrer
Nicole Marie Flores
Kristen Nicole Fonseca

Robert E. Garcia
Joy Abigail Gavilanes
Erika S. Gilmore
Alfredo Godoy Aguilar
Lindsey Marie Gomez
Allison Rachel Gomez
Diana Estephani Gonzales-Nech
Vicente Gonzalez
Dalilah Gonzalez
Denise Martinez
Korryn Granado
Alanna Ha
Zahraa Firas Haguar
Shifa Haq
Jogomaya Ganesh Henriquez
Kayla Nguyen Hoang
Kenai Cooper Jennings
Matthew Jiron
Kelly Grace Kang
Bryan Young-Jin Kang
Sarah Kasem
Katherine Kim
Ayla Jace Kraft
Mark Sherif Fouad Latif
Vy H. Le
Annie Nguyen Le
Jessica Nicole Lim
Jerry Daniel Litteral
Natalia Lopez
Vanessa Vergina Lopez
Alysia Lu
Eric Phat Luu
Daniel H. Luu
Amy Luisa Marquez
Naomi Justine Martin
Amber Mcnicol
Maria Joana Vmc Araujo
Sean Andrew Miller
Kate Elizabeth Mira
Brooke Kennedy Morales
Sanaz Mosallaie

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

Aran Singh Multani	Amanda Plong
Zahra Muthalip	Jared Jon Provost
Cameron Nava	Jaden Hizon Ramirez
Alexandra Hai Nguyen	Francisco Eduardo Rincon
Tina Ai Thu Nguyen	Jasmin Rodriguez
Vivian Le Nguyen	Chloe Madison Rohr
Vanessa Le Nguyen	Kerollos Roufael
Vivian Tuong Vy Nguyen	Dana Ahmed Sakr
Chelsea V. Nguyen	Leela Adele Salary
Alan Nguyen	Amalia Santiago-Ramirez
Katherine E. Norton	Ariah Emily Ariah Santos
Catherine Obiajulu	Flor Jasmin Segoviano
Serena Ocampo	Alyssa Rose Serrano
Barakat O. Oladepo	Lauren Mayumi Shintaku
John Dariam Onofre	Jade Sinatra
Leslie Gabriela Ordóñez	Kimberly Siordia
Ilene Desiree Ortiz	Gabriel Tan
Leslie Michelle Ortiz	Diana Cecilia Torres
Keira Lindsey Osorio	Sabrina Toscano
Tyler Overgaauw	Shayla Quynh Anh Tran
Emily Michelle Palomaki	Sarah Usmani
Azucena Palula	Bryan Valladares
Aatikah Parise	Brian Vasquez Rodriguez
Lindsay Jiyong Park	Daisy Pamela Vazquez
Liza Perez	Nate Angelo Daculan Villanueva
Kien Dinh Pham	Kaitlyn Anne Villatoro
Huy Pham	Nelson Minh Vu
Wyatt Edward Pierce	

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

Brooke Kyndyl Anderson	Joshua Robert Linares
Jose Alfredo Brito	Charito Rosa Lopez
Addison Leon Guerrero Canto	Gillian Marsh
Searrah Skye Cardenas	Julie Ana Mena
Dalila Olivia Castillo	Anjelika Bianca Mendoza
Janet Correa	Monica Patrice Merckens
Sophia Claire De La Loza	Paul Thomas Miller-Molina
Ashley Diaz	Anisa Nicole Morgan
Jacob Matthew Driggers	Cassandra Navarro
Katelyn Gabrielle Facio	Melanie Navarro
Stephanie Fowler	Sofia Nena
Daniel Goldstein	Yasleen Karym Orellana Luna
Christine Hong	Manuel Ignacio Reyes
Kelsey Nicole Imrie	Kaya Kathryn Sadi
Aaron Lam	Keana Genell Velarde

Bachelor of Science - Marine Biology

Sydney Vitoria Acosta
Caroline Ramos Aguilar
Julian Alonso
Cloye Nicole Anaya
Cesar Eduardo Armenta
Dylan Roma Bachman
Jackson Bautista
Patrick Jack Buckley
Abby Cantley
Esteban Salvador Carpio
Samanta Saray Castillo Levi
Lesley Johanna Cerritos-Slater
Kayla B. Cheney
Osbert Chiang
Aline Curiel-Silva
Kaitlyn Dain
Artemio Del Toro
Emily Margaret Delurio
Carlos Antonio Diaz
Roxanne Drummond
Ezekiel Olano Ebilane
Noah Akira Endo
Nicole Eng
Shannon Michelle Folsom
Jacob Herschel Sun-Min Frank
Livan Martin Garcia Vilchez
Denisse Gonzalez Gutierrez
Elise Gabrielle Gunter
Victoria Elizabeth Hanson
Alana Haynes
Natalia Monique Herb
Zachary Hernandez
Kaolani Dominique Herrera
Riley Ann Hobbs
Megan O. Houston
Amanda Noel Hurlimann
Natalie Insley
Julia M. Jaques
Anjali Zainab Johnson
Samuel Knott
Sabrina Iman La Rue
Hunter Matthew Lake
Kenneth T. Lam
Lydia Elena Lifquist
Felicia Lovio
Aaron Duy Luu
Lizbeth Ayram Manjarrez
Brianna Hannah Martin

Ashley Martinez
Javier Mata
Cassandra Alexis Matchan
Charley Ana Moeller
Jimena Munoz
Lenny Navarrete
Arianna Navarro
Alvin Phong Nguyen
Frank Nicolas-Juan
Anais Nunez-Perez
Celeste Brennan O'Brien
Mallory Jordan Orchard
Rylee Paige Ortivez
Jose Pedraza
Sarah June Pilling
Roberto Ponce
Diego Alexander Portillo
Kailey Anne Prince
Jordan Marie Quick
Krystal Brianna Ramirez
Vinson Posadas Ramiscal
Mitchel Gary Reising
Luis Reyes
Hayli Renee Richards
Sofia Rivera
Michael Rivero
Victoria Michelle Roberts
Esmeralda Rodriguez
Alexander Stephen Rowe
Jacquelynn Ann Schlichtmann
Savannah Inez Shaw
Kyle Samuel Sorensen
Fernando Martin Sornoso
Angelo Dionisio Spinosa
Sara Mae Stamos
Karina M. Steele
Alexandre Steffen
Juliana Rose Thornton
Jasmine Genesse Tomay
Argyris Venidis
Ruth Viveros-Martir
Megan Renee Warren
Samantha Kay Widdoss
Thomas Wu
Marley Kaiya Yagle
Carlisle Zasio
Zoe Rou Wen Wong

Bachelor of Science - Microbiology

Brandon Acosta
Becca Aguilar Vargas
Andrea Benitez
Jillian Claire Brimley
Maria Guadalupe Bugarin
Daniel Chiu
Audrey Julia Coronel
Luis Angel Cuen Uriarte
Matthew Thien Dang
Jo Estrada
Josue Fructuoso
Alexandra Gonzalez
Grisselda Hernandez
Mario Hernandez

Diego Francisco Hooghkirk
Alison Elizabeth Hughes
Yasmin Ibrahim
Jonathon Magana
Bryant Martinez
Lizbeth Mendez Martinez
Armin Naghshineh
Trishia Paglinawan Palacio
Samantha Monique Pasillas
Shem Ricarte
Jennifer Song
Ailena Villalpando
Maya Wyr
Jane Yoon

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

Nick Alexander Betancourt
Tavion Djuan Davis
Zohreh Iranmanesh
Austin Douglas Ladd
Chriselyn Kim Abu Manahan

Ngoc Kim Phuong Nguyen
Jason Pinlac
Adrian Reyes
Juan Ramon Vasquez
Michael Zamora

Bachelor of Arts - Biochemistry

Trevor Keith Gerdes
Jaqueline Reynoso

Jonathan Michael Serrato
Tina Tran

Bachelor of Science - Chemistry

Abdullah Alrabaiei
Vanessa Yvonne Carpio
Spencer Evan Chau
Yesenia Duarte
Allison Garavito
Noellia Catherine Gonzales
Ian Christopher Gumpal
Aloni Harrell

Vanessa Van Khuc
Brandon Alan Lee
Khai X. Phan
Daniel Javier Ramirez
Maya Heroy Rogalski
Edwin Dave Roman
Audrey Lynette Romero Castellanos

Bachelor of Science - Chemistry - Materials Science

Christian A. Alarcon
Aaron Emmanuel Levy
Ngoc Pham

Nhung Nguyen Pham
Clara Yoon

Bachelor of Science - Biochemistry

Kayla Jasmine Abatay	Rachael Thanh Mach
Gia Claudine Arcillas	Isaiah Aaron Marmie
Ryan Banh	Adrean Navarro Martin
Amina Aslam Bhutta	Gabby Molina Donato
Michaelson Paul Brimley	Michael Javier Navarro
Travis Trang Thanh Bui	Brian Thomas Neville
Nicholas Vinson Bui	Wayne Nguyen
Kim Bui	Vy Hai Nguyen
Rodrigo Calixto	An Nguyen
Jasmine Gabriela Cardenas	Carolyn Nguyen
Priscilla Athena Ceja	Lindsay Odell
Kylie Ann Chu	Melody Daniela Pablo-Laureano
Gabrielle A. Cruz	Jared Aaron Galang Pacion
Claire Cuffe	Andrea Jeanine F. Pahati
Christina Hong Do	Shray R. Patel
Samantha Dobey	Justin Lee Perez
Khalid Doufesh	Abigail Perez
Alejandro Duran	Tessica Huynh Phan
Kimberly Aileen Erazo	Paris Phu Phan
Karen Bactad Ferrer	Adam Tai Quach
Aden Michael Gomez	Rachel Quiane
Darlene Aaliyah Gonzalez	Amairany Yamiley Quintana
Alexsandra Guillermo	Javier Alexander Rios
Jason Haddadin	Elba Rodriguez
Anthony Hernandez Garcia	Lynn Said
Yessenia Herrarte	Aileen Mercedes Salazar
Ngoc Minh Thu Ho	Marinna Janelle Salazar
Destiny Aimee Holmes	Audrey Jean Steuk
Nhan Ba Huynh	Corissa Marie Sweet
Cindy Ngoc Huynh	James Louie Lopez Tan
George Andrew Ibarra	Maritza Tejeda
Verena Chanveta Ke	Tra Ton
Tiffany V. Le	Daniela Monserrat Torres
Khoa Le	Ryan Tran
Ernesto Leonardo	Victoria Truong
Aaron Li	Stephanie Linh Tu
Daniel I. Lopez	Marlon Jasiel Unda
Ethan Lucsik	Carlos Isai Villalobos Nava
Nhat Minh Luu	

▲ EARTH SCIENCE

Bachelor of Science - Earth Systems

Katie Michelle Baraggiotta
Rafael Anh Tuan Jr Ha

Lan Le
Michelle Thaomi Nguyen

Bachelor of Science - Geology

Muneef Mubarak Alamri
Carlos Lizandro Aldana
Gabriel Alfredo Bonilla Turcios
Hudson J. Cockroft
Teodora De Leon Custodio
Daniel Joseph Dennis
Luis-Enrique Esparza

Diego Foneca Garcia
Samantha Marie Horne Rivera
Jonas Kiani
Aidan Murphy
Minh Cong Nguyen
Brooke Shorey
Lena Wilson

▲ ENVIRONMENTAL SCIENCE & POLICY

Bachelor of Arts - Environmental Science and Policy

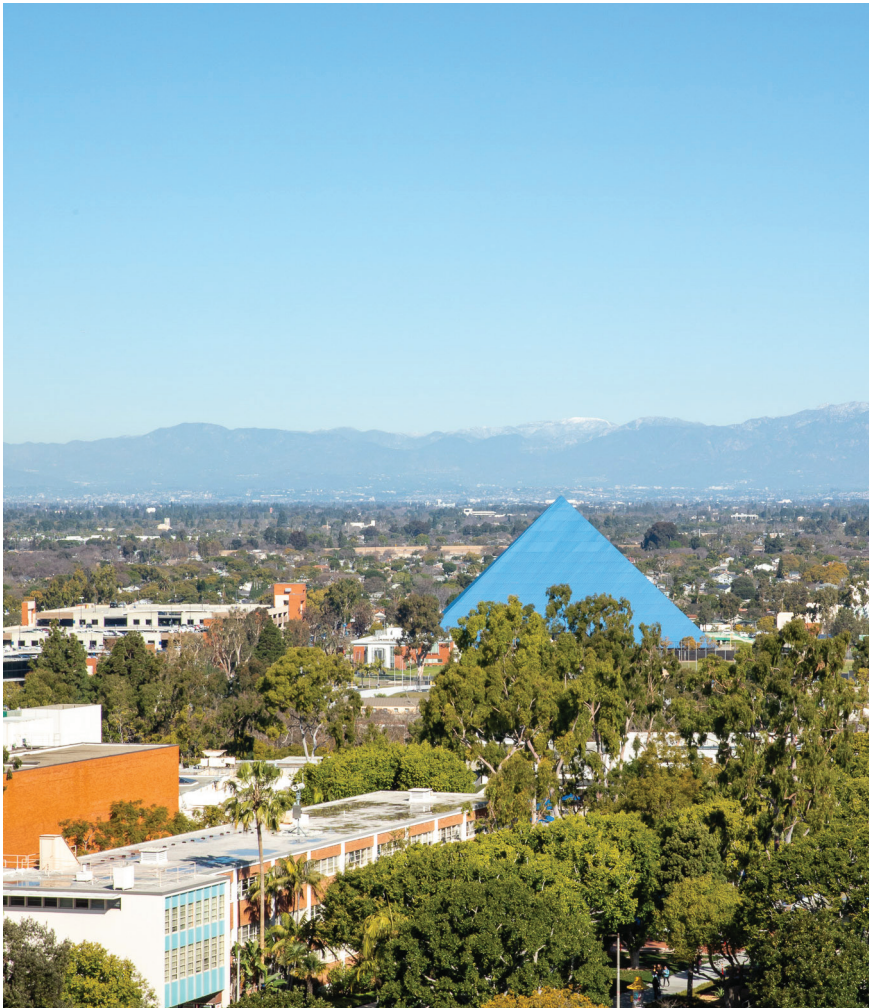
Libby Lief Adriaansen
Jacob Alexander Amster
Kamron Dionisio Baello
Liyla Bryanne Bourges
Coryn Naomi Bray
Payton Brown
Madilynn Rose Chavarria
Ryan Chu
Kathy Cordoba
Ashley Galdamez
Erica Leticia Galdamez
Bryan Garcia
Natalie Kioko Getz
Rebecca Margaret Hale
Helena Hallstrom
Tyler Hanks
Justin Chandler Hieng
Daniel Huynh
Maria Laiton Mendez
Aislinn Lauth
Katherine Elizabeth Lecuyer
Christopher Takuya Lee
Zulia Cecilia Linares

Nichole Maldonado
Otis T. Medina
Daniel Mendoza-Rivas
Amber Lilian Moreno
Lizeth Moro
Kai Azul Muhlwood
Tavi Oliver Muhlwood
Emmie Elizabeth Muschek
Keven Orlando Navarro
Alicia Marlene Newland
Myjelle Bondoc Puntalan
Emanuel Ramirez
Brianna Riley
Daniela Sanchez
Evelyn Margaret Scarfe
Maya Joann Stokes
Isabel Angelica Suarez
Ken Quang Tran
Emily Uy
Kaitlyn Paige Veal
Adam Vincent Wagner
Hailey Angelica Wick
Jenna Olivia Youlio

Bachelor of Science - Environmental Science and Policy

Ariana Marie Acosta
Katelyn Ariana Aguirre
Samantha Marie Andrade
Madison Bartlett
Iris Mackenzie Bonilla
Emilee Castillo
Maredythe Cooper
Rebecca Cummings
Moises De La Torre
Christina Adele Giudice
Paul Johnathan Gray
Samuel Santiago Herrera
Samantha Marie Horne Rivera

Danielle Alexis Lagrave
Yaretzi Mariscal Larios
Brandon Monroy
Trista Leigh Movius
Henry Ochoa
Sara Ramirez
Rebecca Anne Ray
Marlene Rosales
Naya Shah
Savannah Jo Smith
Paul Michael Spencer
Natalia Trejo



▲ MATHEMATICS & STATISTICS

Bachelor of Science - Applied Statistics

Ryan Quinn Andrews	John Kieran Naughton
Francisco Cernas-Garcia	Randy Dara Neou
Andy Chen	Chi Le Uyen Nguyen
Jacob Edward Deluna	Thi N. Nguyen
Trisha Minh Thu Ha	Kelly Ngoc Thuy Nguyen
Justin Ryota Ha	Marissa Nikko Pham
Alan Hoang	Heidi Saldana
Keanu Keopimpha	Maria Del Carmen Sanchez-Beltran
Juan Jose Lopez	Nhan Thanh Vu
Chad Martin	Han Vuong
Lillian McGoldrick	Rithy Techavoan Yean
Benjamin Charles Minik	

Bachelor of Science - Mathematics - Applied Mathematics

Alexis Barragan	Connor B. Kittredge
Adam Michael Barrett	Lexie Marie Kondo
Ruben Arvelo Bermudez	Kyle Lamento
Macy Boren	Joshua Alejandro Lara-Ponce
Elijah Warren Cardenas	Natalie Elizabeth Moreno
Gina Sophia Celentano	Robin Nakashita
Blossomhill Chao	Urja Patel
Sophia Eichmann	Kristina Ponomareva
Julian Demetrius Fernandez	Philip Andrew Ramirez
Daniela Flores-Gamino	Dani Rodriguez
Ariel Andres Gomez	Jesenia Roman
Cristina Elizabeth Gomez	Thi Minh Thuan Tran
Diana Marie Jimenez	Adan Figueroa Valenzuela
Ellory Jones	Marcel Anthony Williams
Joseph Brian Kessler	

Bachelor of Science - Mathematics

Jorge Cuicani Avila	Maria Ikladeous
Alex M. Barrios	Hannah Kim
Stephen Alexander Caplanis	Nhi T. Le
Steven Centeno	Jasmine Laia Maae
Boshi Chen	Jordan Alexis Mcfarland
Taylor Lynn Cornelius	Chloe Michelle Romney
Julianna Rafael Vergel De Dios De Joya	Nathanael Rosnick
Dontay Deese	Joshua I. Ruiz
Benjamin Taylor Estabrooks	Kai Nicolas Sickler
Lizbeth Garcia	Maria Solis Villa
Fatima Gonzalez	Allen Quang Tran
Victoria Adyari Gudiel	Matthew Michael Valdez
Carmen Daisy Hernandez	Cole David Whitney
Elissa Hernandez	Changhe Zhu

Bachelor of Science - Mathematics - Mathematics Education

Sofia Elena Del Bello Arnold
Kaela Rae Brickner
Peter Linh Bui
Michelle Cabrera
Mauro Calleros
Mia Izabel Carabay
Alexander Josue Carlos
Daisy Stephanie Castaneda
Janelle Tolentino Cayton
Juan De Santiago
Bryan David Flores
Zeus Alexander Flores
Maricruz Guerra
Jaclyn Spencer Hutchins
Sam Kim
Emily Le
Nathalie Ngoc Tam Le
Nathan Van Nhan Le
Michelle Leon
Karla Lopez

Emily Jordyn Lovato
Angie Paulete Medina
Ruben Ivan Mejia
Danielle Dene Mendoza Ray
Corinna Anh Thu Nguyen
Diane Trang Nguyen
Charles Thanh Long Pham
America Sherelyne Rangel
Alejandro E. Reyes
Joaquin Rivas
Lilianne Madai Romero
Socheata Sokh
Taina Sy
Cole Thomas Teeter
Joseph Po Hung Teng
Lesly Michelle Trujillo Salazar
Monica Ulloa
Jennifer Valdez Briones
Amy Walker
Natalia Zavala



▲ PHYSICS & ASTRONOMY

Bachelor of Arts - Physics

Ruben Arvelio Bermudez
Gina Sophia Celentano
Angelo Ryan Dela Reyna Soriano
Michael A. Dominguez
J Garcia
Frankie Javier Gonzalez
Myles Anthony Hines
Diana Marie Jimenez
Connor B. Kittredge
Ivan Dimitrievich Krat
Joshua Alejandro Lara-Ponce
William Jayiu Lee

Robin Nakashita
Deiya Maria Paul
Veronica Perez
Jordan Isaac Pringle
Philip Andrew Ramirez
Dani Rodriguez
Jacob Ryan Rodriguez
Jesenia Roman
Analicia Natalia Sosa
Adan Figueroa Valenzuela
Casandra Zamora

Bachelor of Science - Physics

Keara LeeAnn Allen
Evan Manuel Antonides
Andrew William Baez
Ivy Boiko
Gigi Marie Castaneda
Audrey Corbin
Henry Cueva
Movindu Kawshan Dissanayake Dissana-
yake Mudiyansele
Victoria Jane Drummond
A'anoali'i Manuel Eleasaro
Benjamin Taylor Estabrooks
Karen Johanna Hart
Lauryn Michelle James
Joseph Brian Kessler
Nathan Hoai Kim

Steven Duc Le
Alan Mejia
Rene Joanhy Moreno
Chase Riley Owen
Deiya Maria Paul
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Nestor Daniel Plascencia
Charles Alexander Prescott
Kate Ramirez
Jacob Lawrence Rodgers
Jhon Michael Gutierrez Tamma
Josue Turcios
Ahmad Said Zaghari
Ulysses Zepeda

Bachelor of Science - Physics - Materials Science

Corey Hernandez

Brendan Paul Winkler

College of Natural Sciences & Mathematics

Candidates for Certificates

▲ **BIOLOGICAL SCIENCES**

Certificate - Biotechnology

Hanna Elizabeth Adamson

Jake N. Himelfarb

Jasmine Lee

Julian Matthew Lopez

Gissel Candelaria Guadalupe Ortiz Sanchez

Irish May Perez

Pablo Rivas

Karen Tran

Khloe Truong

Kylie Alaina Yant



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ACKNOWLEDGEMENTS

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