

# *Commencement*

**SUMMER 2024**

**Lubbock, Texas**

**August 2-3, 2024**





TEXAS TECH™

*Commencement*

SUMMER 2024

Friday, August 2, 2024  
Saturday, August 3, 2024  
UNITED SUPERMARKETS ARENA

6:00 p.m.  
9:00 a.m. and 1:30 p.m.  
LUBBOCK, TEXAS

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## MISSION

As a public research university, Texas Tech advances knowledge through innovative and creative teaching, research, and scholarship. The university is dedicated to student success by preparing learners to be ethical leaders for a diverse and globally competitive workforce. The university is committed to enhancing the cultural and economic development of the state, nation, and world.

# TEXAS TECH UNIVERSITY ADMINISTRATION

LAWRENCE E. SCHOVANEC, Ph.D.

*President;*

*Professor of Mathematics and Statistics*

RONALD L. HENDRICK, Ph.D.

*Provost and Senior Vice President;*

*Professor of Natural Resources Management*

JOSEPH HEPPERT, Ph.D.

*Vice President for Research & Innovation;*

*Professor of Chemistry*

NOEL SLOAN, J.D., CPA

*Senior Vice President for Administration & Finance;*

*Chief Financial Officer*

JORGE IBER, Ph.D.

*Interim Vice President for*

*Campus Access and Engagement*

## TEXAS TECH UNIVERSITY SYSTEM CHANCELLOR / BOARD OF REGENTS

TEDD L. MITCHELL, M.D.

*Chancellor,*

*Texas Tech University System*

MR. DUSTY WOMBLE

*Lubbock, Texas*

MR. CLAY CASH

*Lubbock, Texas*

MR. MARK GRIFFIN

*Chairman*

*Lubbock, Texas*

MS. ARCILIA ACOSTA

*Dallas, Texas*

MR. TIM CULP

*Midland, Texas*

MS. GINGER KERRICK DAVIS

*Vice Chairwoman*

*Webster, Texas*

MR. CODY CAMPBELL

*Fort Worth, Texas*

MS. SHELLEY SWEATT

*Wichita Falls, Texas*

MR. PAT GORDON

*El Paso, Texas*

MR. JAD ZEITOUNI

*Lubbock, Texas*

## ACADEMIC OFFICERS

MARK SHERIDAN, Ph.D.

*Vice Provost for Graduate and*

*Postdoctoral Affairs;*

*Dean, Graduate School;*

*Professor of Biology*

URS PETER FLUECKIGER, M.Arch.

*Dean, Huckabee College of Architecture;*

*Professor of Architecture*

JILL HERNANDEZ, Ph.D.

*Dean, Honors College;*

*Professor of Philosophy and Humanities*

JACK NOWLIN, Ph.D., J.D.

*Dean, School of Law;*

*Professor of Law*

TOSHA DUPRAS, Ph.D.

*Dean, College of Arts & Sciences;*

*Professor of Anthropology*

TIM DODD, Ph.D.

*Dean, College of Health & Human Sciences;*

*Professor of Hospitality Management*

GUY LONERAGAN, Ph.D.

*Dean, School of Veterinary Medicine;*

*Professor of Food Safety and Public Health*

MARGARET L. WILLIAMS, Ph.D.

*Dean, Jerry S. Rawls College of*

*Business Administration;*

*Professor of Management*

ROB STEWART, Ed.D.

*Interim Dean, College of Media & Communication;*

*Professor of Communication Studies*

EARNSTEIN DUKES, M.L.S.

*Dean of Libraries;*

*Librarian*

KAMAU OGINGA SIWATU, Ph.D.

*Interim Dean, College of Education;*

*Professor of Educational Psychology, Leadership, &*

*Counseling*

MARTIN CAMACHO, D.M.A.

*Dean, J.T. & Margaret Talkington*

*College of Visual & Performing Arts;*

*Professor of Music*

CLINT KREHBIEL, Ph.D.

*Dean, Davis College of Agricultural*

*Sciences & Natural Resources;*

*Professor of Animal Science*

ROLAND FALLER, Ph.D.

*Dean, Edward E. Whitacre, Jr.*

*College of Engineering;*

*Professor of Chemical Engineering*

PATRICK C. HUGHES, Ph.D.

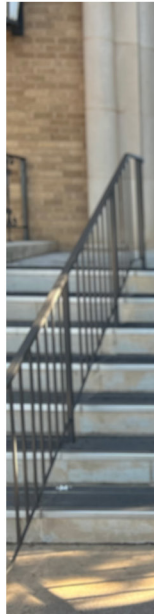
*Dean, University Studies;*

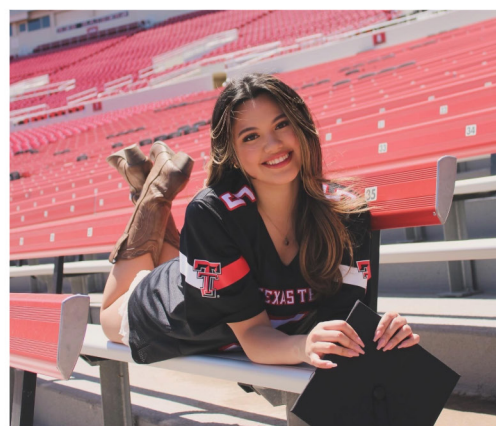
*Professor of Communication Studies*

**FROM ITS VERY BEGINNING** the Texas Tech University community has had a sense of destiny and an awareness of the impact it could and would have on Texas and the wider world. Originally named Texas Technological College, which opened in 1925 with six buildings, four schools (Agriculture, Engineering, Home Economics, and Liberal Arts), and an enrollment of 914, the institution grew rapidly after World War II, and in 1969 the Texas legislature approved a name change to Texas Tech University. In the years since, Texas Tech has grown to become the largest comprehensive higher education institution in the western two-thirds of the state. The university is the major institution of higher education in a region larger than 46 of the nation's 50 states.

Today, Texas Tech continues to thrive, with more than 40,000 students enrolled in its colleges and schools: Davis College of Agricultural Sciences & Natural Resources, Huckabee College of Architecture, Arts & Sciences, Jerry S. Rawls College of Business Administration, Education, Edward E. Whitacre, Jr. College of Engineering, Honors College, Human Sciences, Media & Communication, J.T. & Margaret Talkington College of Visual & Performing Arts, the Graduate School, University Studies, School of Law, and School of Veterinary Medicine.

Because of its educational scope and purpose, as well as the size of the region it serves, Texas Tech University operates in numerous Texas locations beyond the Lubbock campus and internationally in Costa Rica. In all, the Texas Tech University System includes Texas Tech University, Angelo State University, Midwestern State University, Texas Tech University Health Sciences Center, and Texas Tech University Health Sciences Center at El Paso.









**S**INCE TEXAS TECH'S FIRST graduation ceremony in the spring of 1927, more than 300,000 undergraduate and graduate degrees have been awarded by the university. From these proud graduates have emerged captains of industry, world-renowned surgeons, noted authors, famous singers, acclaimed teachers and professors, attorneys, entrepreneurs, agronomists, scientists, professional athletes, and countless others who have claimed positions of service and responsibility in a rapidly changing world.

Texas Tech University alumni and graduates have governed states, flown in space, served as Presidential cabinet members, won Olympic gold medals, served as ambassadors to foreign countries, acted on Broadway stages, won Pulitzer Prizes, served in Congress, led Fortune 500 companies, been watched by millions on network television news, and excelled in their careers and contributed to their professional and broader communities.

All Texas Tech graduates can point with pride to the solid academic preparation they received and the personal connections they made as Red Raiders. For beneath the spacious skies of West Texas and in the halls of brick and tile through which they strolled during their time on campus, generations of Texas Tech students have been provided a foundation for success that is without parallel. As they take their first steps into careers that will see many of them literally change the world, they can remember with certainty one important fact about Texas Tech University:

**FROM HERE, IT'S POSSIBLE.™**

# COMMENCEMENT CEREMONY

**Friday, August 2, 2024**  
**6:00 p.m.**

Presiding	Dr. Lawrence Schovanec <i>President, Texas Tech University</i>
Processional*	Texas Tech Commencement Band <i>Dr. Sarah McKoin, Conductor</i>
National Anthem	Dr. Qi Liang <i>Doctor of Musical Arts, August 2024</i>
Welcoming Remarks	Mr. Clay Cash <i>Board of Regents, Texas Tech University System</i>
Student Speaker	Dr. Patricia Hoggard Douglass <i>Doctor of Philosophy in Media and Communication, August 2024</i>
Conferring of Degrees	Dr. Lawrence Schovanec Dr. Ronald Hendrick <i>Provost and Senior Vice President</i>
Recognition of Outstanding Students Class of 2024	Dr. Ronald Hendrick
Charge to the Graduates	Dr. Lawrence Schovanec
Alma Mater <i>(Words on Back Cover)</i>	Dr. Qi Liang
Presentation of Degree Candidates	Dr. Mark Sheridan, <i>Dean, Graduate School</i>
Closing of Ceremony	

*\* Please remain seated during the Processional.*

# COMMENCEMENT CEREMONY

**Saturday, August 3, 2024**

**9:00 a.m.**

Presiding	Dr. Lawrence Schovanec <i>President, Texas Tech University</i>
Processional*	Texas Tech Commencement Band <i>Dr. Sarah McKoin, Conductor</i>
National Anthem	Ms. Casey Contreras <i>Bachelor of Music, August 2024</i>
Welcoming Remarks	Ms. Shelley Sweatt <i>Board of Regents, Texas Tech University System</i>
Student Speaker	Mr. Trevor Wilkinson <i>Bachelor of Arts in Honors Sciences and the Humanities, August 2024</i>
Conferring of Degrees	Dr. Lawrence Schovanec Dr. Ronald Hendrick <i>Provost and Senior Vice President</i>
Recognition of Outstanding Students Class of 2024	Dr. Ronald Hendrick
Charge to the Graduates	Dr. Lawrence Schovanec
Alma Mater <i>(Words on Back Cover)</i>	Ms. Casey Contreras
Presentation of Degree Candidates	Dr. Robert Peaslee, <i>Associate Dean, Honors College</i> Dr. Martin Camacho, <i>Dean, J.T. &amp; Margaret Talkington College of Visual &amp; Performing Arts</i> Dr. Robert Cox, <i>Associate Dean for Academic and Student Programs, Davis College of Agricultural Sciences &amp; Natural Resources</i> Prof. Urs Peter Flueckiger, <i>Dean, Huckabee College of Architecture</i> Dr. Tim Dodd, <i>Dean, College of Human Sciences</i> Dr. Tosha Dupras, <i>Dean, College of Arts &amp; Sciences</i>
Closing of Ceremony	

*\* Please remain seated during the Processional.*

# COMMENCEMENT CEREMONY

**Saturday, August 3, 2024**  
**1:30 p.m.**

Presiding	Dr. Lawrence Schovanec <i>President, Texas Tech University</i>
Processional*	Texas Tech Commencement Band <i>Dr. Sarah McKoin, Conductor</i>
National Anthem	Ms. Casey Contreras <i>Bachelor of Music, August 2024</i>
Welcoming Remarks	Ms. Shelley Sweatt <i>Board of Regents, Texas Tech University System</i>
Student Speaker	Mr. Nasser Alexei Marquez <i>Bachelor of Science in Computer Engineering, August 2024</i>
Conferring of Degrees	Dr. Lawrence Schovanec Dr. Ronald Hendrick <i>Provost and Senior Vice President</i>
Recognition of Outstanding Students Class of 2024	Dr. Ronald Hendrick
Charge to the Graduates	Dr. Lawrence Schovanec
Alma Mater <i>(Words on Back Cover)</i>	Dr. Qi Liang <i>Doctor of Musical Arts, August 2024</i>
Presentation of Degree Candidates	Dr. Roland Faller, <i>Dean, Edward E. Whitacre, Jr. College of Engineering</i> Dr. Sarah Schwintz, <i>Assistant Academic Dean, University Studies</i> Dr. Amy Koerber, <i>Associate Dean for Administration &amp; Finance, College of Media &amp; Communication</i> Dr. Kamau Oginga Siwatu, <i>Interim Dean, College of Education</i> Dr. Margaret Williams, <i>Dean, Jerry S. Rawls College of Business Administration</i>
Closing of Ceremony	

*\* Please remain seated during the Processional.*

## COMMENCEMENT SPEAKERS



**P**atti Douglass came to Texas Tech as a first-generation transfer student from San Antonio College in 1983. After earning her bachelor's degree in telecommunications (now creative media industries) in 1985, she enjoyed a 35-year career in communication, including advertising account service, agency management, and healthcare marketing. In 2019, while serving as manager of the Texas Tech Visitors Center, she decided she wanted the next stage of her career to be focused on mentoring and teaching students. To that end, she started her master's degree in mass communications in 2020 and her Ph.D. in media and communication in 2021. Beginning in the fall semester, she will serve Texas Tech as assistant professor of practice in the College of Media & Communication.



**T**revor Wilkinson is a first-generation student from Abilene, Texas. Trevor is graduating *Summa Cum Laude* with a Bachelor of Arts in Honors Sciences and the Humanities with Highest Honors from the Honors College. In his final year at Texas Tech, Trevor's Honor Thesis was centered around the erasure of minority communities in the 1960s–1980s. Upon graduation, Trevor will be pursuing a master's degree in public policy with a certificate in non-profit management at the George Washington University in Washington, D.C. Throughout his time at Texas Tech, he was actively involved in Student Government Association, undergraduate research, First-Year Experience mentoring, and Mortar Board.



**N**asser Marquez was born in El Paso, Texas, and was raised in both areas of El Paso and Ciudad Juárez, Mexico. Upon graduation from Coronado High School, Nasser joined the United States Marine Corps, completed his service obligations, and moved to Lubbock, Texas. He enrolled at South Plains College, earned his Associate of Science degree and then transferred to Texas Tech University. He completed his course requirements to earn his Bachelor of Science degree in Computer Engineering and his minors.

# ACKNOWLEDGEMENTS

## CONVOCATIONS COMMITTEE

Dr. Jon Crider, Chair  
Dr. Rhonda Boros, Past Chair  
Mr. Josh Adamek  
Dr. Corey Brelsfoard  
Dr. Carla Davis Cash  
Dr. Yoojin Chae  
Dr. Julie Chang  
Ms. Morgan Chavez-Brannon  
Ms. Sarah DeVille-Holly  
Dr. Sara Dodd  
Dr. Kristi Gaines  
Ms. Brady Ganus  
Dr. Michael Giesselmann  
Ms. Maggie Gilchrest  
Dr. Alastair Hamilton  
Dr. Vijay Hegde  
Dr. Zach Hohman  
Mr. Nate Imai  
Dr. Molly Ireland  
Dr. Catherine Jai  
Dr. Babu John-Mariadoss  
Dr. Lourdes Juan  
Dr. Jin Jung  
Dr. Jacob Kirksey  
Ms. Bethany Kuwitzky  
Dr. Stacy Lee  
Dr. Erin Marie Legacey  
Mr. Jarrett Lujan  
Dr. Conrad Lyford  
Dr. Ann Mastergeorge  
Dr. Lauren Miller  
Dr. Mihwa Park  
Mr. Damian Pantoya  
Dr. Michelle Pearson  
Mr. Daniel Perez  
Dr. Cynthia Phelps  
Dr. Christy Rogers  
Mr. Tom Rohrig  
Dr. Jhones Sarturi  
Dr. Sarah Schwintz  
Mr. Sean Scully  
Dr. Leslie Thompson  
Dr. Susan Tomlinson  
Mr. Von Venhuizen  
Dr. Vijay Hedge  
Ms. Kim Walker  
Ms. Feruzan Williams  
Ms. Jordan Dahl  
Ms. Amiee Dixon  
Ms. Cadence Jost  
Ms. Evelyn McCune  
Ms. Abby Walton

## PROGRAM

This program was produced by the Office of the Provost in cooperation with the Convocations Committee and the Office of Official Publications at Texas Tech University, Lindsay Hallowell, Director, and Kaelene Hansen, Senior Editor.

*This program is an unofficial list of Summer 2024 graduates and should not be used to determine a student's academic or degree status. The actual award of honors reflected on a student's diploma will be determined by the student's final academic average. The university's official registry for conferral of degrees is the student's permanent academic record kept by the Office of the Registrar.*

## COLLEGE READERS

*Davis College of Agricultural Sciences & Natural Resources* – Dr. Courtney Gibson  
*Huckabee College of Architecture* – Mr. Anthony Cricchio  
*College of Arts & Sciences* – Ms. Rebecca Johnson  
*Rawls College of Business Administration* – Mr. Derrick Ginter  
*College of Education* – Dr. Ana Torres  
*Whitacre, Jr. College of Engineering* – Dr. Stephen Ekwaro-Osire  
*Graduate School* – Dr. Babu John-Mariadoss and Dr. Tim Dallas  
*College of Human Sciences* – Dr. Bill Gustafson  
*Honors College* – Dr. Bill Gelber  
*College of Media & Communication* – Dr. Todd Chambers  
*University Studies* – Dr. Amy Benoit-Warlick  
*Talkington College of Visual & Performing Arts* – Dr. Bill Gelber

## ADMINISTRATIVE REPRESENTATIVES

*Davis College of Agricultural Sciences & Natural Resources* – Mr. Michael Harper  
*Huckabee College of Architecture* – Ms. Amy Peterman  
*College of Arts & Sciences* – Ms. Kymberli Saldaña  
*Rawls College of Business Administration* – Ms. Geleah Sharp  
*College of Education* – Ms. Karen Noles  
*Whitacre, Jr. College of Engineering* – Ms. Patricia Rodriguez  
*Graduate School* – Ms. Vanessa Bara and Ms. Alyssa Reichert  
*Honors College* – Ms. Beth Scheckel  
*College of Human Sciences* – Ms. Shannon Tebo  
*College of Media & Communication* – Ms. Julia Heard Witt  
*University Studies* – Ms. Courtney Lynn  
*Talkington College of Visual & Performing Arts* – Mr. Aaron Chavarria

## STUDENT BANNER BEARERS

*Davis College of Agricultural Sciences & Natural Resources* – Mr. Ameer Khan  
*Huckabee College of Architecture* – Mr. Garrett Warner  
*College of Arts & Sciences* – Mr. Jack Studebaker  
*Rawls College of Business Administration* – Mr. Grayson Decker  
*College of Education* – Ms. Lisette Wells  
*Whitacre, Jr. College of Engineering* – Mr. Evan Miller  
*Graduate School* – Ms. Bailey Samper  
*College of Human Sciences* – Ms. Morgan Squires  
*Honors College*  
9:00 a.m. – Mr. Trevor Wilkinson  
1:30 p.m. – Ms. Melody Arencibia Marrero  
*College of Media & Communication* – Ms. Lauren Nicole Garza  
*University Studies* – Ms. Lyndee Stamps  
*Talkington College of Visual & Performing Arts* – Mr. Peyton Forsythe

## FACULTY BANNER BEARERS

6:00 p.m. – Benildo de los Reyes, Ph.D.  
*Professor of Plant Genomics,  
Davis College of Agricultural Sciences & Natural Resources*  
9:00 a.m. – John Carrell, Ph.D.  
*Assistant Professor of Honors,  
Honors College*  
1:30 p.m. – Jenna LaFreniere, Ph.D.  
*Associate Professor Communication Studies,  
College of Media & Communication*

## LIBRARY BANNER BEARERS

9:00 a.m. – Ms. Macey Moon  
1:30 p.m. – Mr. Cory Johnson

# PRESIDENTIAL MACE

**C**ROWNED BY A FLAME symbolizing the Light of Knowledge, the Texas Tech University Presidential Mace is the symbolic staff of the power and authority of the university. It is constructed of lathed and molded bronze that has been rubbed with a layer of 24K gold. The school crest is presented on either side directly under the flame. Hand-rubbed black walnut has been used for the connecting shafts. The mace was designed by Professor Robly A. Glover in the School of Art. Professor Glover's artwork is on display throughout the United States and included in the permanent collections of the Art Institute of Chicago, the Yale Silver Collection, and the Victoria and Albert Museum in London.



## MACE BEARERS

6:00 P.M., AUGUST 2 .....	CLIFTON ELLIS, Ph.D. <i>Elizabeth Sasser Professor of Architectural History, Huckabee College of Architecture</i>
9:00 A.M., AUGUST 3 .....	LAUREN PHILLIPS, M.Arch. <i>Lecturer of Architecture, Huckabee College of Architecture</i>
1:30 P.M., AUGUST 3 .....	BRIAN NUTTER, Ph.D. <i>Associate Professor of Electrical and Computer Engineering, Whitacre, Jr. College of Engineering</i>

## GRADUATION HONORS

Graduating seniors who have maintained an overall 4.0 GPA include the following:

Chi Yin Cheng  
Jayson Taylor Crawford  
Grayson Thomas Decker  
Audrey M. Faucher  
Andrew Miles Garrison  
Genasis Bryanna Garza  
Lauren Nicole Garza  
Quin Haggard

Robert David Henshall  
Andrew Sean Herrmann  
Elizabeth Hajar  
Robin Allison Ibanez  
Ynes Ineza  
Chad Rowdy Jackson  
Evan Bradley Johnson  
Chase Matthew Keller

Ameer Ali Khan  
Emily Grace Laughlin  
Anne Elizabeth Mowry  
Charlene Marie Neudek  
Rebeca Perez  
Lourdes Perez Maldonado Davila  
Hannah Jolene Qayumov  
Maxumus Richardson

Brett Kyle Smigelski  
Zachary Thomas Sommers  
Jack William Studebaker  
Lisette Wells  
Kaitlyn Marie Williams  
Autumn Riley Wortley

## CANDIDATES FOR TEACHER CERTIFICATION

Noor Idreas Ahmed  
Gabriela B. Alba Arciniega  
Fabiola Celeste Almendarez  
Kimberly Elizabeth Arevalo  
Daniel Robert Arganbright  
Stacy Arias  
Maria S. Arriaga  
Kylah Michelle Bannon  
Ginna Paola Becerra Forero  
Luz Maria Becerra Salas  
Cherrise Nadine Boyd  
Amber Bray  
Sarah Renee Bridges  
Zairah Cabrera  
Martha Camara  
Kristi Rogina Camargo  
Wendy Yajaira Carbajal  
Stephani Carrasco Rodriguez  
Alydia Beatris Castillo  
Kendra S. Castillo  
Lisette Castillo  
Dianna Marie Creed  
Brent Scott Davis  
Madison Paige Denny  
Dulce A. Diaz  
Keri Denae Foust  
Thomas Lee Gabehart  
Maya Christine Gaffney

Elizardo Garcia Pimentel  
Briana Angelica Garcia  
Diana De Jesus Garcia  
Ibeth Garcia  
Jessica Alise Garcia  
Zada Ellyse Garcia  
Alaina Golightly  
Maurisa Sanchez Gonzales  
Mariana Gonzalez Suarez  
Rachael Gonzalez  
Alaina Lee Greene  
MaRyan M. Griffith  
Maeghan Lee Griggs  
Alma Elena Hernandez  
Cecilia Elizabeth Herrington  
Daniel Reid Holland  
Delia Huerta  
Camryn Ashleigh Hunt  
Robin Allison Ibanez  
Torri A. Ingram  
Savannah Bella Jack  
Mindy Lauren Johnson  
Yamila Khalil  
Nashmia Khan  
Yaquelin Lagunas-Acosta  
Evander Andras James Larson  
Ashley Lewis  
D'Mya Nichole Lewis

Taylor Anne Lewis  
Amy B. Lucero  
Anna Lugo  
Martha Isabel Macario  
Arleth Paola Macias Alvarado  
Brittani Marlow  
Jennasis Nicole Martin  
Arianna Marie McClendon  
Macaul Mckellar  
Baylee Ashlyn Lu Melloway  
Michelle Monsivais  
Emily Elizabeth Moran  
Cheyenne K. Morgan  
Brianne Morris  
Crystal Ann Mosqueda  
Katie Elise Odum  
Adeline Michelle Ordoñez  
Priscilla N. Padilla  
Rylie Mae Pargmann  
Maria Guadalupe Quintero Flores  
Leslie Karolina Quiroz  
Lucy Stephanie Rangel  
Daisy Regalado  
Lidya Reyes  
Jessica Marie Rodriguez  
Zahira Nicole Rodriguez  
Artemio Rojas Jr.  
Victoria Rosales

Peyton Taylor Rossman  
Jessica Marie Ruiz  
Isabella Noel Russell  
Hannah Lee Saldivar  
Maria E. Sandoval  
Gracie Rae Schult  
Heidi Seely  
J'Leigh Shelburne  
Alayna Michelle Spivey  
Anna Catherine Spurgeon  
Abigail Grace Stephens  
Maryam Hassani Tavakoli  
Bethany T. Tran  
Angela Selena Uriostegui  
Jazmin Vega  
Jamee Velasquez  
Rachel Gabrielle Vences  
Leslie Jane Verduzco  
Mia Aryceli Villanueva  
Minerva Villarreal  
Chloe G. Von Theumer  
Peyton M. Walker  
Grace Madelynn Walters  
Lisette Wells  
Jennifer Lisa Wiebe  
Mary Sol Winegardner  
Mckenna Casey Wood  
Fabiola Zermeno

## CANDIDATES FOR MILITARY COMMISSIONS

The following students are being commissioned as  
Second Lieutenants in the United States Army:

Kayla M. Harker  
Andrew J. Jeong  
Jade G. Trevino

The **doctoral degree** is the most advanced earned degree conferred by American institutions of higher learning. The doctorate usually represents prolonged periods of advanced study culminating in a dissertation intended to contribute substantially to the body of knowledge on the subject. The most widely sought doctorate is the Doctor of Philosophy, which no longer has an implication of philosophy as the major field of study but represents advanced research in any of the major fields of knowledge.

The **master's degree** is an academic honor bestowed upon students who have successfully completed work beyond the baccalaureate. Both a thesis and an oral examination are usually but not always required. When applicable, the graduate's thesis topic is listed.

## DOCTOR OF EDUCATION

### AGRICULTURAL EDUCATION

Andrew Joseph Wilson

*Dissertation:* Distributed Bachelor's Degree Program at a Small, Rural Independent School District in West Texas: A Case Study Investigation of a Rural College Access and Support Program  
*Major Professors:* Gary Biers (TAMU) and David Lawver (TTU)

### EDUCATIONAL LEADERSHIP

Nancy Espinosa Atkinson

*Dissertation:* How Best Practices in Professional Development Relative to the Autism Spectrum Disorder Positively Impact Elementary Teachers and Their Students' STAAR Outcomes  
*Major Professor:* Joseph G. Claudet

Timothy Bryan Benson

*Dissertation:* Implementing an Effective Professional Development Program to Assist Teachers in Creating Tier 3 Interventions - A Study in the Implementation and Feasibility of a Tier 3 Intervention Schedule in a Fast-Growth, Texas High School  
*Major Professor:* Joseph G. Claudet

Margie Catherine Boulware

*Dissertation:* Addressing the Knowledge Deficiency of Campus Administrators while Serving Deaf and Hard of Hearing Students: A Pilot Study  
*Major Professor:* Dusty Palmer

Brandi Hasbargen Breau

*Dissertation:* Developing Instructional Capacity within Teachers Providing Inclusive Instruction: A Design Development Study of Elementary School Collaborative Planning Practices  
*Major Professor:* Joseph G. Claudet

Christopher James Chappotin

*Dissertation:* The Impact of a Campus-Piloted District-Designed System of Research-based Interventions on Influencing Principals' Instructional Leadership Capacity and Self-Perceptions through the Texas Education Agency Effective Schools Framework 3.0. Lever 1  
*Major Professor:* Joseph G. Claudet

Jennifer Anne Hademenos

*Dissertation:* Reframing Administrator Perceptions of Discipline and Culture to Reduce Exclusionary Discipline for Diverse Learners  
*Major Professor:* Joseph G. Claudet

Jo Peterson Gibbs Landreth

*Dissertation:* Building Primary Educators' Capacity to Identify and Nurture Gifted Potential in Primary-Age Students in Underrepresented Groups: A Design Development Study of Professional Development  
*Major Professor:* Dusty Palmer

Lexi Lynn Law

*Dissertation:* Building Instructional Capacity in Urban Classrooms: A Design Based School Improvement Study of Post-pandemic Middle School Instruction and Individualized Teacher Coaching with Instructional Technology  
*Major Professor:* Dusty Palmer

Sara Renee Lewis

*Dissertation:* Developing Instructional Capacity through Self-Efficacy in Mid-Level Science Teachers to Engage Students in Scientific Inquiry  
*Major Professor:* Joseph G. Claudet

Chelsea Marion Lippe

*Dissertation:* Evaluating the Teacher Self-Efficacy, Pedagogical Mindset Shift, and Leadership Practices following a District-Wide Grade Level Reconfiguration  
*Major Professor:* Joseph G. Claudet

Cari Lynn Moyer

*Dissertation:* Increasing Student Engagement through Social and Emotional Learning in an Asynchronous Online Program  
*Major Professor:* Joseph G. Claudet

Joetta Sneed Wesley

*Dissertation:* Enhancing Teacher Capacity: Using T-TESS to Address Deficit Thinking Aimed at Reducing Achievement Disparities for Marginalized 3rd-8th Grade Students in a Title I School  
*Major Professor:* Dusty Palmer

Leah Danielle Zavala

*Dissertation:* Developing Instructional Capacity in a North Texas School District: A Design Development Study of Teacher's Instruction and Individualized Coaching on Culturally Responsive Teaching Practices  
*Major Professor:* Joseph G. Claudet

## INSTRUCTIONAL TECHNOLOGY

Anita Reena Johns

*Dissertation:* Educators' Views on Technology Integration for Blended Learning and Student Success in an Academic Alternative School  
*Major Professor:* Jongpil Cheon

## DOCTOR OF MUSICAL ARTS

### MUSIC

Taylor Nathaniel Gambill

*Dissertation:* The Perfect Reed: A Comparative Analysis of Four Gougé and Profile Combinations for Bassoon Reeds  
*Major Professor:* Richard Meek

Qi Liang

*Dissertation:* An Analysis of Zijun's Arias in the Opera "Mourning" from the Perspective of Yijing  
*Major Professor:* Rebecca Hays

Yuhan Shi

*Dissertation:* An Exploration of Seven Tunes Heard in China by Bright Sheng for Solo Cello  
*Major Professor:* Jeffrey LaStrapes

Duo Zhang

*Dissertation:* An Annotated Catalogue of Original Works for Solo Piano by Chinese Composers of "New Wave" Movement (1978-1989)  
*Major Professors:* Nataliya Sukhina and Carla Davis

## DOCTOR OF PHILOSOPHY

### ADDICTIVE DISORDERS AND RECOVERY STUDIES

Joshua Awua

*Dissertation:* Using Social Network Analysis to Examine College Students' Friendship and E-Cigarette Use  
*Major Professor:* Antover Tuliao

Nephtaly Joel Bagadiong Botor

*Dissertation:* Subtle Slights and Substance Use among Sexually- and Gender-Diverse Individuals: Examining the Associations between Everyday Discrimination, Microaggressions, and Alcohol and Drug Use  
*Major Professor:* Antover Tuliao

## GRADUATE CANDIDATES

### Comfort Merley Boye

*Dissertation:* The Association between Forgiveness and Suicidality as Mediated by Psychological Distress among College Student Problematic Drinkers  
*Major Professor:* Jon R. Webb

### Uibin Lee

*Dissertation:* Problem Gambling and Personality: A Focus on the Risk of Dispositional Greed  
*Major Professor:* Devin Mills

### Lauren Elizabeth Lewis

*Dissertation:* Exploring the Dualistic Model of Passion: A Comprehensive Examination through Three Studies on its Protective Role in Alcohol Use and its Potential to Enhance Addiction Recovery  
*Major Professor:* Devin Mills

## AGRICULTURAL AND APPLIED ECONOMICS

### Manuel Garcia

*Dissertation:* Essays on Consumer Preferences and Economic Resilience in Latin American Food Supply Chain  
*Major Professor:* Darren Hudson

### Towhid Iqram Mahmood

*Dissertation:* Three Essays on Applied Economics  
*Major Professors:* Benjamin Powell and Jamie Bologna Pavlik

## ANIMAL SCIENCE

### Gabriela Karolina Betancourt Barszcz

*Dissertation:* In-plant Microbial Bio-mapping and Pathogen Quantification to Develop National and International Baselines and to Support Risk-based Decision Making in Food Safety Management Systems for the Poultry Processing Industry  
*Major Professor:* Marcos X. Sanchez

### Zachary Sheldon McDaniel

*Dissertation:* Development of an Experimental Model to Induce Liver Abscesses in Steers and Evaluation of the Level of Roughage Neutral Detergent Fiber and Bulk Density of Steam-flaked Corn in Feedlot Diets on Incidence of Liver Abscesses  
*Major Professor:* Kristin Hales

### Emma Leigh Elizabeth Pasiuk

*Dissertation:* The Investigation of Human Experiences and Relational Variables during Horse-Human Interactions in Clinical and Non-clinical Settings  
*Major Professors:* Anastasia Stellato and Katy Schroeder

## BIOLOGY

### Shiva Abdollahi Aghdam

*Dissertation:* Endophytic Microbiome Diversity and Functional Impact on *Musa spp.* Health and Resistance to *Fusarium*  
*Major Professor:* Amanda M.V. Brown

### Todd Robert Bollinger

*Dissertation:* The Health and Genetic Structure of Alligators in Texas  
*Major Professor:* Lou Densmore

### Minghao Guo

*Dissertation:* Genetic Diversity of Black Willow (*Salix nigra*)  
*Major Professor:* Matt Olson

### Johnathan Peter Hruska

*Dissertation:* Phylogeography and Population Genetics of North and Central American Pine-Oak Birds: Insights from Genomic Data  
*Major Professor:* Joseph Manthey

### Hafij Al Mahmud

*Dissertation:* Microbial Interactions and Evolution Antibiotic Resistance Profiles in Organisms involved in Cystic Fibrosis Infection  
*Major Professor:* Catherine Wakeman

### Aaron C. Urbanczyk

*Dissertation:* Hormonal Manipulation, Captive Propagation, and Repatriation of Great Plains Cyprinids  
*Major Professors:* Lou Densmore and Gene Wilde

## BUSINESS ADMINISTRATION

### Hansol Lee

*Dissertation:* Detrimental Effects in Artificial Intelligence Use and Design from Microscopic View  
*Major Professors:* Yuan Jin and Wei He

### Chu-Yen Pai

*Dissertation:* Green Plate, Green Planet: Exploring the Motivations and Impact of Plant-based Eating Behavior  
*Major Professor:* Debra Laverie

### Siavash Rashidi Sabet

*Dissertation:* Marketing's Role in Resolving Firm's Social Dilemmas: Three Essays  
*Major Professor:* Sreedhar Madhavaram

### Ala Tahvildar

*Dissertation:* Investigating the Role of Curiosity in Prediction and Improvement of Information Technology Learning Outcomes  
*Major Professor:* Fred Davis

### Weiran Yan

*Dissertation:* Corporate Tax Avoidance and CSR Investments: A Tale of Internal Resource Allocation vs. Tax Savings Incentives  
*Major Professor:* Ryan Huston

## CHEMICAL ENGINEERING

### Usman Hamid

*Dissertation:* Thermodynamic Data and Models in Support of Aqueous Phase Adsorption for Organic Acids  
*Major Professor:* Chau-Chyun Chen

## CHEMISTRY

### Mahdi Aarabi

*Dissertation:* Development of "On-the-fly" Crystal for Automatic PES Construction, and Investigation of Dihydrogen-hydride Exchange in Transition Metal Polyhydrides  
*Major Professor:* Bill Poirier

### Jayendra Chunduru

*Dissertation:* Antitumor Phytosterols/Withanolides Metabolites and an Antibacterial Non-ribosomal Peptide: *in silico* and *in vitro* studies  
*Major Professor:* Paul Pare

### Mazen Gamal Abdelgawad Elsaid

*Dissertation:* Palladium/NBE Catalyzed Distal C-H Functionalization of Carbazole  
*Major Professor:* Haibo Ge

### Sophia Lasma Sagala

*Dissertation:* Probing the Role of Interactions in the Physical Properties of Rotational Dynamics of 1-Ethyl-3-Methylimidazolium Methyl Phosphonate in the Neat Liquid and its Mixtures with 1-Methylimidazole  
*Major Professor:* Edward Quitevis

### Jiahe Xu

*Dissertation:* Electrochemical Studies of Ionomer Membranes and Hydrogen Storage Materials  
*Major Professor:* Carol Korzeniewski

## CIVIL ENGINEERING

### Ashkan Alborzi

*Dissertation:* Improving the Assessment and Treatment of Poor Quality Waters  
*Major Professor:* Danny Reible

### Naveen Senthil

*Dissertation:* Utility of Stochastic and Physics-based Ground Motion Simulations in Addressing Data Limitations  
*Major Professor:* Ting Lin

### Rohan Shrestha

*Dissertation:* Error Component Models of Traffic Crash Severity Analysis  
*Major Professor:* Venky Shankar

## CLINICAL PSYCHOLOGY

### James Edward Barnett

*Dissertation:* Adverse Childhood Experiences and Adult Psychopathology: An Examination of Transdiagnostic Mechanisms  
*Major Professor:* Adam Schmidt

### Becca Kirstyn Bergquist

*Dissertation:* Neuropsychological Profiles of Justice-Involved Youth: Implications with Criminogenic Risk and Protective Factors  
*Major Professor:* Adam Schmidt

## GRADUATE CANDIDATES

Gabriela Lelakowska

*Dissertation:* Latent Profiles of Sleep and Physical Activity in Youth: Associations with Internalizing Problems and Weight-Status

*Major Professor:* Jason Van Allen

Michael Matthew McClay

*Dissertation:* Measuring the Effect of NSSI Urge Disclosure via Ecological Momentary Assessment

*Major Professor:* Sarah Victor

### COMPUTER SCIENCE

Sayed Erfan Arefin

*Dissertation:* Covert Observation of Deep Neural Network Operations for Architectural Inference Attacks

*Major Professor:* Abdul Serwadda

Tasnia Ashrafi Heya

*Dissertation:* Security of Voice-Interactive Devices: Exploring Vulnerabilities and Countermeasures

*Major Professor:* Abdul Serwadda

Semih Cal

*Dissertation:* Enhancing Reliability and Efficiency in IoT Networks: A Study on UAV-Aided Mobile Edge Computing, Fault-Tolerant Federated Reinforcement Learning, and Energy-Efficient Knowledge Distillation on the Internet of Drones

*Major Professor:* Jingjing Yao

Elham Hojati

*Dissertation:* Towards Smart Reliable Scalable Green Data Centers: Improving the Automation of Monitoring and Management in Green High-Performance Computing

*Major Professor:* Susan Mengel

Ahmed Imtiaz Sunny

*Dissertation:* Addressing Key Challenges in Blockchain through Formalization and Analytical Frameworks: Insights from Optimization, Social Choice, and Game Theory

*Major Professor:* Yuanlin Zhang

### COUNSELING PSYCHOLOGY

Amelia Elizabeth Evans

*Dissertation:* Negotiating Digital Sexual Consent when Sending a Nude Image

*Major Professor:* Sheila Garos

Nguyen P. Nguyen

*Dissertation:* When Adjusting to Ethnic Discrimination is Not Enough: The Moderating Role of Critical Consciousness Among Ethnic Minorities with Chronic Pain

*Major Professor:* Shin Ye Kim

Kassidy McKenna Solei Rekieta

*Dissertation:* "The College Experience": A Qualitative Analysis of Deciding to Engage in a One-Time Sexual Encounter

*Major Professor:* Sheila Garos

Maria R. Sanchez

*Dissertation:* Negando la Raza: The Mediating Role of Self-esteem and Internalized Colorism on Discrimination and the Mental Health of AfroLatines

*Major Professor:* Brandy Pina-Watson

Gisel Guadalupe Suarez Bonilla

*Dissertation:* A Resiliency Approach to Mental Health Among Mexican Descent Emerging Adults Through Familismo, Marginalization, and Social Support

*Major Professor:* Brandy Pina-Watson

Brittney Lauren Valentine

*Dissertation:* The Roles of Psychological Hardiness and Moral Injury in the Relationships between War-zone Stressors and Internalizing Distress among Post-9/11 Military Service Members

*Major Professor:* Paul Ingram

### COUNSELOR EDUCATION

Carrie Lanell Beyer

*Dissertation:* Counselors' Shared Trauma Following a Mass Shooting: A Phenomenological Study

*Major Professor:* Loretta Bradley

### COUPLE, MARRIAGE, AND FAMILY THERAPY

Lara Caitlin Hoss

*Dissertation:* The Impact of Previous Intimate Partner Violence Exposures and Therapists' Attitudes Toward Intimate Partner Violence on the Identification of Intimate Partner Violence

*Major Professor:* Douglas Smith

A'Lyric Sermon Miles

*Dissertation:* Illuminating Unique Cultural Experiences of African American Individuals at the Intersection of their LGBTQ+ Identities

*Major Professor:* Cameron Brown

### CURRICULUM AND INSTRUCTION

Melanie Scott Blanton

*Dissertation:* Texts, Talk, and Computational Thinking: A Comparative Case Study Examining Elementary Teachers' Use of Read-Alouds to Teach Computational Thinking as a Computational Literacy Practice

*Major Professor:* Jin Kyeong Jung

Gabriella Nicole Fecher

*Dissertation:* A Multiple-case Study Exploring the Challenges, Support and Continued Expectations for Diversity, Equity, and Inclusion Measures in Predominantly Rural Vermont School Districts

*Major Professor:* Jeasik Cho

Lisa Flannery

*Dissertation:* The LGBTQ Student Experience of Emergency Remote Learning

*Major Professor:* Heather Greenhalgh-Spencer

Jonathon Cory Miner

*Dissertation:* Effects of an Equity, Diversity, and Inclusion Design-based Research Intervention for Emergency Medical Services Students

*Major Professors:* Jeasik Cho and Jairo I. Fúnez-Flores

Gonzaga Robert Mukasa

*Dissertation:* Narrative Inquiry of Educators' Experiences and Perspectives on Uganda's New Competence-based Lower Secondary School Curriculum in the Rural Setting

*Major Professor:* Jairo Fúnez-Flores

Terisa Holbrook ODowd

*Dissertation:* A Case Study of a University's Digital Accessibility Training Program: Insights from the Perceived Self-efficacy of Six Online Faculty Members

*Major Professor:* Heather Greenhalgh-Spencer

Hyunjin Shim

*Dissertation:* Development of Elementary Pre-service Teachers' Knowledge, Attitudes, and the Quality of Designed Tasks after Instructional Activities on Cognitive Demand Learning Tasks

*Major Professors:* Jian Wang and Raymond Flores

### ECONOMICS

Iryna Konopkina

*Dissertation:* Essays in Labor Economics and Applied Microeconomics

*Major Professor:* Sie Won Kim

### EDUCATIONAL LEADERSHIP

Ariel Almoite

*Dissertation:* The Glass Ceiling of International Schools: A Comparative Case Study on the Experiences of Teachers of Color in Recruitment, Retention, and Career Advancement

*Major Professor:* Alexander Wiseman

Travis Michael Turgeon

*Dissertation:* A Case Study in Blended Learning in Texas

*Major Professor:* Jessica Gottlieb

### EDUCATIONAL PSYCHOLOGY

Okan Arslan

*Dissertation:* Exploring the Interplay between Simulation Design Satisfaction, Negative Emotions, and Emotion Regulation: Implications for Nursing Students' Performance in High-fidelity Simulation-based Education

*Major Professor:* Fethi Inan

Lisa Marie Leon

*Dissertation:* Students' Perception of Teacher Classroom-Interactions as Predictors of Self-determined Motivation and the Pursuit of Science A Model Evaluating Cognitive Evaluation Theory Across Genders

*Major Professor:* Tara Stevens

## GRADUATE CANDIDATES

Marlo Marie Mitchell-Gonzalez

*Dissertation:* A Content Analysis of Texas School Psychology Training Programs and Social Justice Principles

*Major Professor:* Kamau Siwatu

Natalie Nicole Munoz

*Dissertation:* Teachers' Perspectives on a Novel Approach to Involve Parents in Managing School Behavioral Issues

*Major Professor:* Huanhuan (Joy) Wang

Lindsay Nichole Wargo

*Dissertation:* Evaluation of Wee Read Club+, an Early Speech and Language Intervention for Toddlers and Their Caregivers

*Major Professors:* Jennifer Hamrick and Tara Stevens

Katherine Wheeler

*Dissertation:* Parent-Child Interaction Therapy and Language in Children on the Autism Spectrum

*Major Professor:* Huanhuan (Joy) Wang

### ELECTRICAL ENGINEERING

Daniel Nolte

*Dissertation:* Privacy-aware and Interpretable Learning Algorithms for Computational Medicine Applications

*Major Professor:* Ranadip Pal

Trey Brendan Smith

*Dissertation:* Optical Waveguide and Phased Array Devices of Nitride Wide Bandgap Semiconductors

*Major Professors:* Hongxing Jiang and Jingyu Lin

### ENGLISH

Caleb Joseph Braun

*Dissertation:* *And Think to Nothingness*

*Major Professor:* William Wenthe

Wesley Andrew English

*Dissertation:* The Sunken Place Narrative in Contemporary Black Cinema

*Major Professor:* Michael Borshuk

Maeve Elizabeth Kirk

*Dissertation:* Groundhum

*Major Professor:* Curtis Bauer

Kristina Marie Lewis

*Dissertation:* Making 'Human': Encounters, Interpretations and Negotiations of Humanity in Early and Middle English Literature

*Major Professor:* Brian McFadden

Bhawana Pillai

*Dissertation:* Solidarities of Resistance across Borders: Women's Life Writings from Middle East, North Africa and South Asia

*Major Professor:* Kanika Batra

Jennifer Kelley Robertson

*Dissertation:* *Clannesse & Fyllp*: Medical Modes of Reading Middle English *Cleanness*

*Major Professor:* Julie Nelson Couch

### ENVIRONMENTAL TOXICOLOGY

Bilkis Ara Mitu

*Dissertation:* Classification, Characterization, and Phenotype Profiling of Human Nails by using ATR FT-IR Spectroscopy and Multivariate Chemometric Analysis

*Major Professor:* Lenka Halamkova

Shuangmei Tian

*Dissertation:* The Roles of MicroRNA in Gene Expression Regulation and Disease in Humans

*Major Professor:* Degang Wang

### EXERCISE PHYSIOLOGY

Katherine Nichole Dillon

*Dissertation:* The Effects of Two Weeks of L-Citrulline on Arterial Function and Systolic Blood Pressure at Rest and During Exercise in Postmenopausal Women with Elevated Blood Pressure and Hypertension

*Major Professor:* Arturo Figueroa

Nigel Cyril Jiwan

*Dissertation:* Effects of Capsaicin and Heavy Resistance Exercise on Muscle Anabolic Signaling in Health Resistance-trained Men

*Major Professor:* Hui-Ying Luk

Yejin Kang

*Dissertation:* Effects of L-Citrulline Supplementation on Macro- and Microvascular Function in the Fasted State and During Acute Hyperglycemia in Middle-aged and Older Adults with Type 2 Diabetes

*Major Professor:* Arturo Figueroa

Madelin Ruth Siedler

*Dissertation:* RMR Ratio as an Indicator of Energetic Status in Active Women Using the Combined Oral Contraceptive Pill

*Major Professor:* Grant Tinsley

### EXPERIMENTAL PSYCHOLOGY

Anto Jude Rajesh Kumar Mohan

*Dissertation:* Investigating the Influences of Objective and Subjective Value on Selective Attention

*Major Professor:* Miranda Scolari

### FAMILY AND CONSUMER SCIENCES EDUCATION

Dylan Tyler Hinkle

*Dissertation:* A Family And Consumer Sciences Teacher's Tales from the Cash Register to the Classroom: The Winding Path to Get There and Lessons Learned: An Autoethnography

*Major Professor:* Karen Alexander

### GEOSCIENCES

Xinying Ling

*Dissertation:* Water Transport in the Vadose Zone and Hydrological Processes in Soil-Plant-Atmosphere Continuum (SPAC) in West Texas, USA

*Major Professor:* Juske Horita

Russell Paul Manser

*Dissertation:* Leveraging Artificial Intelligence and Numerical Weather Prediction to Build Custom Smart Home Software

*Major Professor:* Brian Ancell

Mary Celeste Robinson

*Dissertation:* West Texas Blowing Dust Events: Characterization, Effects of Precipitation, and a Case Study

*Major Professor:* Karin Ardon-Dryer

### HIGHER EDUCATION

Sara Jeanette Huerta King

*Dissertation:* Raising the 2%: A Narrative Inquiry Study Exploring Hispanic Teen Mothers' Sense of Belonging at a South Texas Community College

*Major Professor:* Hugo Garcia

Emily Louise Wilkinson

*Dissertation:* Undergraduate Students Perceptions of How Campus Public Art Can Create a Sense of Belonging

*Major Professor:* Stephanie J. Jones

### HISTORY

Nabanipa Majumder

*Dissertation:* In the Shadows of Sonar Bangla: Revisiting the Birth of Bangladesh, 1947-1971

*Major Professor:* Zachary Brittsan

Abel Rios

*Dissertation:* Mexican Religion in the North Texas Bible Belt: Identity, Faith, and Religious Politics

*Major Professor:* Mark Stoll

### HOSPITALITY, TOURISM, AND RETAIL MANAGEMENT

Abdulaziz Alqusayer

*Dissertation:* Drivers Influencing Guests' Intentions to Stay at Eco-friendly Accommodations in the Saudi Arabian Hotel Market

*Major Professor:* Shane Blum

Fawaz Nasser Alreshaidan

*Dissertation:* The Influence of Perceived Risk and Perceived Information Credibility on Tourists' Intention to Visit Saudi Arabia

*Major Professor:* Jessica Yuan

Oleksandra Hanchukova

*Dissertation:* Vintage Solidarity: Exploring Country Image and Consumer Behavioral Intentions

*Major Professor:* Natalia Velikova

Bayan Hasan Monshi

*Dissertation:* The Effect of Environmental Factors of Social Cognitive Theory on Hotel Employees' Turnover Intention in Saudi Arabia

*Major Professor:* Shane Blum

## HUMAN DEVELOPMENT AND FAMILY SCIENCES

Rula Saleem Zaru

*Dissertation:* Understanding Developmental Outcomes in Late Adolescents and Emerging Adults through a Positive Youth Development Lens

*Major Professor:* Elizabeth Trejos-Castillo

## INTERIOR AND ENVIRONMENTAL DESIGN

Rana Hassan O Bazaid

*Dissertation:* Exploring the First Impression Phenomenon and Associations between Hospital Lobby Physical Environment and Patients' First Impressions

*Major Professor:* Debajyoti Pati

## MATHEMATICS

Thushadi Prathibha Ambegoda Liyanage

*Dissertation:* Modeling and Analysis of Tumor-Virus-Immune Interactions in the Presence of Resistance and Time Delays

*Major Professor:* Sophia Jang

Sajal Chakraborty

*Dissertation:* Some New Tools for Multivariate Statistics and Machine Learning with Ideas from Potential Theory

*Major Professor:* Ram Iyer

Himali Dilrukshani Don Gammanpila

*Dissertation:* Stabilized Nitsche-type CIP/GP CutFEM for Multi-phase Flow Applications

*Major Professor:* Eugenio Aulisa

Jannatul Ferdous Ema

*Dissertation:* A Local Macroscopic Conservative (LoMaC) Low Rank Tensor Method with the Discontinuous Galerkin Method for the Vlasov Dynamics

*Major Professors:* Wei Guo and Alex Trindade

Dananjani Madhushika Perera Madiwala Liyanage

*Dissertation:* High-dimensional Inference for Sparse Vector Autoregression Processes and Multi-dimensional Nonparametric Goodness-of-Fit Tests Reduced to One-dimension via Ordering

*Major Professor:* Alex Trindade

G M Fahad Bin Mostafa

*Dissertation:* Statistical Machine Learning Models for Biomedical Science

*Major Professors:* Dimitri Volchenkov, Victoria Howle, and Linda Allen

Charu Sameera Devindi Rajapaksha

Pathirana Dona

*Dissertation:* Understanding Mexico Drug Cartel Violence Dynamics: A Comprehensive Analysis Incorporating Spatiotemporal Patterns and Socio-economic Factors

*Major Professor:* Dimitri Volchenkov

Aman Rani

*Dissertation:* Scalable Preconditioners for Implicit Runge-Kutta Methods: Sylvester Equations and Triangular Approximate Inverses

*Major Professors:* Katharine Long and Victoria Howle

## MECHANICAL ENGINEERING

Sheikh Ahamed

*Dissertation:* Modeling Drop-Wall Interaction and Thermomechanical Stress in High Temperature Material

*Major Professor:* Song-Charng Kong

Wolduamlak Beyene Ayele

*Dissertation:* Design and Dynamic of Light Unmanned Aircraft Wing Structures Subject to Extreme Flow Turbulence

*Major Professor:* Victor Maldonado

Armando Sampaio De Rezende Neto

*Dissertation:* Properties and Behaviors: Prediction of Reactivity Through Computational Investigation of Atomic Properties

*Major Professor:* Michelle Pantoya

Mohammed Naimul Hoque

*Dissertation:* Predicting the Flow Rate and Extensional Behavior of Colloidal Dispersions for 3D Printing Applications

*Major Professor:* Gordon Christopher

Yeonjin Jung

*Dissertation:* Tribological Behavior of Perfluoropolyether Lubricants and Ionic Liquids in Relation to Nanoparticle Additives and Contaminants

*Major Professor:* Changdong Yeo

Nava Raj Khatri

*Dissertation:* 3D Printing Functional Parts with Manufacturing and Mechanical Assessment

*Major Professor:* Paul Egan

Natnael Mandefro Negash

*Dissertation:* Socially Compatible Behavior Prediction, Decision-making, and Control for Autonomous Vehicles in Mixed Traffic

*Major Professor:* James Yang

Redowan Ahmed Niloy

*Dissertation:* Cellular Mechanics of Cephalic Furrow Formation in *Drosophila* Embryo

*Major Professor:* Jerzy Blawdziewicz

## MEDIA AND COMMUNICATION

Joshua DeJuan Cloudy

*Dissertation:* Vulnerable Online: Identifying Motivational and Personality Factors Related to Individual Susceptibility to Online Extremists' Recruitment Messages

*Major Professor:* Melissa Gotlieb

Patricia Hoggard Douglass

*Dissertation:* Better Not Go There: Effects of Political-Affiliation Cues on Charitable Crowdfunding Responses

*Major Professor:* Bryan McLaughlin

Ch'ree Elizabeth Kate Essary

*Dissertation:* Examining the Effect of Humorous Wildlife Messages on Elaborated Thinking, Persuasion and Learning

*Major Professor:* Coy Callison

## NUTRITIONAL SCIENCES

Carson Daniel Maher

*Dissertation:* Increasing Vegetable Intake Using Monosodium Glutamate: A Reduced-Effort Intervention

*Major Professors:* Allison Childress and Shannon Galyean

## ONE HEALTH SCIENCES

Mariana Fernandez De La Garza

*Dissertation:* From Farm to Fork: Strategies for Minimizing Food Safety Risks in Meat Production Systems through Microbial Interventions

*Major Professor:* Alexandra Calle

Bailey Ann Samper

*Dissertation:* From Cow-Calf to Consumer: Economic Considerations for Advancing Health in the Beef Cattle Supply Chain

*Major Professor:* Ryan Blake Williams

## PERSONAL FINANCIAL PLANNING

James Cory Thompson

*Dissertation:* Three Papers on the Impact of a Financial Inheritance

*Major Professor:* Russell James

Junhao Zhang

*Dissertation:* Three Essays on Consumer Bankruptcy

*Major Professor:* Chris Browning

## PHYSICS

Sayani Ghosh

*Dissertation:* Federated Learning in Healthcare

*Major Professors:* Ranadip Pal and Juyang Huang

Nafiz Jaidye

*Dissertation:* In-plane Beam Generation and Modal Size Transformation via Integrated Silicon Nitride Photonic Metalens

*Major Professor:* Myoung-Hwan Kim

## GRADUATE CANDIDATES

Tanazza Khanam

*Dissertation:* Exploring Magnetars as Sources of Gravitational Waves in the Era of Multi-messenger Astronomy

*Major Professor:* Alessandra Corsi

### PLANT AND SOIL SCIENCE

Leslie Commey

*Dissertation:* Peanut Seed Coat Biochemicals and their Role in Reducing *A. flavus* Infection and Aflatoxin Contamination

*Major Professors:* Mark Burow and Venugopal Mendu

Arjun Kafle

*Dissertation:* Deficit Irrigation and Biochar Application of Resilient Production of Cucumber and Sweet Corn in West Texas

*Major Professor:* Sukhbir Singh

### SPANISH

Missael Duarte Somoza

*Dissertation:* Modernidad y Escritura Geológica en la Producción Cultural Latina y Latinoamericana

*Major Professor:* John Beusterien

### SPECIAL EDUCATION

Elizabeth Ashley Horner

*Dissertation:* Increasing Self-efficacy for Pre-K and Kindergarten Teachers of Students with Emotional and Behavioral Delays

*Major Professor:* Robin Lock

### SYSTEMS AND ENGINEERING MANAGEMENT

Eric Kwaku Asare Bediako

*Dissertation:* Sequential Decision-Making Models and Algorithms for Piping Maintenance Optimization

*Major Professors:* Dongping Du and Yisha Xiang, Ph.D.

Richard Allen Burgess II

*Dissertation:* Optimizing Water System Resilience in Midsized Cities in Arid and Semi-arid Regions

*Major Professor:* Mario Beruvides

### TECHNICAL COMMUNICATION AND RHETORIC

Meghalee Das

*Dissertation:* Creating Culturally Inclusive Online Pedagogical Strategies: Insights from International, Transcultural, and Multilingual Students' Learning Experience on Zoom

*Major Professor:* Jason Tham

Laurena Mayne Davis

*Dissertation:* Biofeedback Mood Changers: Using Thermal Biofeedback to Help Moderate Speech Anxiety

*Major Professor:* David Roach

Wilson Lee Knight

*Dissertation:* Necrorhetoric: Tracing the Emergence of the Corpse in Deathcare Practice

*Major Professor:* Scott Weedon

Jiaxin Zhang

*Dissertation:* User-Centered Content Strategy for Communicating Public Health Crisis: A Study of University Risk Communication during COVID-19 Pandemic

*Major Professor:* Jason Tham

### WIND SCIENCE AND ENGINEERING

Qiang Chen

*Dissertation:* Tornado-like Loading on a Low-rise Building: Effects of Tornado Type, Tornado Translation and Building Opening

*Major Professor:* Delong Zuo

Hui Zhang

*Dissertation:* Large Eddy Simulation of Tornado-like Vortices Generated in a Tornado Simulator

*Major Professor:* Delong Zuo

### MASTER OF AGRIBUSINESS

Francis Isonu Anagah

Kailey Belle Hoffman

Tyler Edward Vance

### MASTER OF ARCHITECTURE

#### ARCHITECTURE PROFESSIONAL

Roberto Elias Zuniga

### MASTER OF ART EDUCATION

Chelsie Lokke

### MASTER OF ARTS

#### ANTHROPOLOGY

Catherine Paige Tennison

#### COMMUNICATION STUDIES

Winifred Sekyibea Abakah

*Thesis:* A Critical Feminist Examination of Women's Empowerment in the Ghanaian and U.S. Dominant Spaces

Sumeyya Akdilek

Dare Nelson Akinloye

*Thesis:* Communication and Online Platforms: Pitfalls, Possibilities, and Pressures

Matilda Kai Boye

*Thesis:* Parent-Child Sexual Communication as Related to Family Communication Patterns, Parenting Style, and Risky Sexual Behavior

Sandra Djaba

*Thesis:* #FreakTok: Analyzing Attitudes, Norms, and Behaviors Surrounding Rough Sexual Behaviors as Related to TikTok use Among College Students

Onyinyechi Beatrice Nwoko

*Thesis:* Social Construction: A Political and Technological Perspective

Vera Siripi

Cross Warnock

*Thesis:* The Relationships Among Communication Apprehension, Self-Esteem, Internet Addiction, Social Media Use, and Religious Communication Apprehension

### COUNSELING PSYCHOLOGY

Luke Glen Childers

*Thesis:* Response Bias Scale (RBS) and Response Bias Scale-19 (RBS-19) of the MMPI-2-RF: Cross Validation and Comparison of Scales in an Active-Duty Military Neuropsychological Sample

Samantha Gonzalez

*Thesis:* Help-seeking in Mexican American College Students: The Roles of Personal Growth Initiative, Valuing Mental Health, and Self-Stigma

David Austin Linford Johnson

*Thesis:* The Scrupulosity Obsessions and Compulsions Scale: A Measurement of Scrupulosity Within an OCD Framework

### ECONOMICS

Niranjala Priyadarshanie Kariyawasam

Majuwana Gamage

### ENGLISH

Macy Ann Goodenough

Benjamin Todd Popson

*Thesis:* With Eye and With Tongue: The Metrical Implications of Manuscript 'Ordinatio' in 'Sir Gawain and the Green Knight'

### EXPERIMENTAL PSYCHOLOGY

Nicolasa Chitica Villalobos

### HERITAGE AND MUSEUM SCIENCES

Rachel Elizabeth Chovan

*Thesis:* Ensuring Usefulness and Accessibility in Legacy Collections: Updating the 1932 Saddleback Ruin Collection

Kacie Elizabeth Howard

Zachary L. Lain

Darcy Lynell Phillips

*Thesis:* Virtual Reality Exhibits in Museums - Audience Expectations and Experiences

Laura Eileen Ridge

## GRADUATE CANDIDATES

### HISTORY

Noah Keith Fore

*Thesis:* Drop Anchors: An Examination of Piracy and its Relation to Politics, Economics, and Society in the Early Modern English Atlantic World

### INTERDISCIPLINARY STUDIES

Oladunni Akako

Austin Aranda

Kayla Kinsey Balko

Addyson Grace Bowman

Aimee Rae Ann Cameron

Angel D. Flores

Hailey Nicole Hanttula

Jordaine Nickole Hollis

Olga Tello Mercado

Kaytlyn Miller

Anubhab Rahman Mishu

Matthew Scott Seaman

Preston Alexander Sims

Anna Gabrielle Walters

### MASS COMMUNICATIONS

Jeffery Acheampong Adu

*Thesis:* The Diffusion and Reinvention of Information and Communication Technology in Africa: An Exploratory Study of Artificial Intelligence in Ghana and Kenya

Bernard Nii Armah Ammah

Emily Clare Bohaty

*Thesis:* Reconsidering Statistical Techniques in Complex Communication Science: The Case for Multilevel Modeling

Kendall Rose Braune

Alasana Camara

*Thesis:* Diffusion and Adoption of Artificial Intelligence in Africa: A Comparative Exploratory Study of Nigeria, Rwanda, and Ethiopia

Ashley Caroline Crisp

Arianna Flores

Caleb Kristopher Gray

Payton Anne Jackson

Camryn Hope Jauz

Jinwan Kim

*Thesis:* From Trivial to Meaningful: The Moderating Role of Satisficing in the Relationship Between Incidental Exposure and Political Participation

Anthony John Koert

Hannah Elizabeth Lara

Molly Katherine McCalla

Ashley Allison McDaniel

Kenzie Di-Ann McKeever

Pablo Mena

Kayla Dawn Metts

Katelyn Joy Patterson

Emily Sue Philips

Sadia Afrin Ratna

*Thesis:* An Analysis of ChatGPT Discussions on Twitter (X): How Message Length and Sentiments Drive Information Diffusion

Saleha Soadat

Zachary Harlan Sorrels

Minhaz Uddin

*Thesis:* Exploring Public Acceptance and Concern about AI Technologies in the United States: A Quantitative Analysis of the Cases in Autonomous Vehicles, Healthcare, Weapon Systems, and Cyber Defense

Elizabeth Jean Veatch

Isabel Velasco Urquiza

Emily Ji Cai Juan Warren

### POLITICAL SCIENCE

Luisa Garcia Carrion

Waseem Ahmad Hajam

Oluwaseun Emmanuel Okajare

### PSYCHOLOGY

Montana Baker

*Thesis:* Witnessed Community Violence and Aggression in Childhood: The Moderating Role of Emotion Regulation

Elisabeth Farrington McLean

*Thesis:* Grieving the Loss of a Family Member to Incarceration: A Qualitative Analysis

### ROMANCE LANGUAGES

Alejandra Cecilia Valentin Rivera

### SOCIOLOGY

Zoe Lynne Andrews

*Thesis:* Sleepless in Seattle to Barbie: A Representation of Female versus Male Anger in Cinema

Bailey Hair

*Thesis:* You're Why I Have Trust Issues: Financial Fraud and Older Adult Relationship Formation

### STRATEGIC COMMUNICATION AND INNOVATION

Whitney Elizabeth Long

Stephanie Lynn Payne

Mateo Raphael Rosiles

Christian Valles

Madison Nicole Westmoreland

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### TECHNICAL COMMUNICATION

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### MASTER OF BUSINESS ADMINISTRATION

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Sarah Elizabeth Sweet  
Gordon Edward Thompson  
Cynthia Olga Economos Urban  
Mary Laura Vetsch  
Casey Kirk Wolf  
Andrew Kirk Wright

### MASTER OF FINE ARTS

#### ART

Madison Kate Hebert

### MASTER OF LANDSCAPE ARCHITECTURE

Moyin Sabainah Akinbobola  
*Thesis:* Residential Landscape Feature Typologies  
for Shade Performance  
Md Zahid Hasan

### MASTER OF MUSIC

Larissa Brandi Cunningham  
Gabriella Glenn Guest  
Evan Mitchell Key  
Anton Eric Romero Tan

### MASTER OF MUSIC EDUCATION

Andrea Aguirre  
*Thesis:* The Status of Elementary Music Programs  
in Three Texas Regions: A Case Study  
Ryan Christopher Andre  
Chelsea Sardoni  
Christine Jentgen Towndrow

## GRADUATE CANDIDATES

### MASTER OF PUBLIC ADMINISTRATION

Hope Katherine Colleen Henderson  
Yessica Yamileth Jasper

### MASTER OF SCIENCE

#### AGRICULTURAL AND APPLIED ECONOMICS

Derick Adu  
*Thesis:* Impact of COVID-19 on Household Food Insecurity in Malawi  
Reymark Tolop Alcantara  
*Thesis:* An Economic Analysis of Climate Resilience of Irrigated Cotton-Based Cropping Systems in the Texas High Plains Region  
Jivan Gaire  
Tanmoy Kumar Ghose  
*Thesis:* Agricultural Trade Potential of the United States with South Asian Countries: A Stochastic Frontier Gravity Model Approach  
Marjia Islam  
*Thesis:* Effect of international trade on food security: South Asian insights with a focus on Bangladesh  
Vicente Moreno Casas  
Oluwaseun Samuel Oduniyi  
Mohammad Rezoanul Hoque  
Kalyani Shrestha  
*Thesis:* How Dietary Diversity Changes with Climate Variables: A Global Study  
Adam Michael Swisher  
Ali Yousuf  
*Thesis:* The Nexus between Environmental Sustainability and Income: The Relative Contribution of Agricultural Sectors

#### AGRICULTURAL COMMUNICATIONS

Samantha Nichols

#### AGRICULTURAL EDUCATION

Minnie Renae Bennett  
Bryce Esco Hamlin  
*Thesis:* Preservice Teacher's Content Knowledge and Perceived Teaching Competence of Agricultural Mechanics Course Standards  
Ashlynn Megan Schuett  
Wimberly Alexandria Westerman

#### ANIMAL HEALTH & INDUSTRY

Michael Ryan Anderson  
Brooke Lynn Kitting  
*Thesis:* An Evaluation of Spanish-Speaking Animal Caretakers' Attitudes Towards Piglet Euthanasia in a Large Commercial Swine Production System in Southwestern U.S.  
Cali Lynn Massey  
Jessica Ann Moody

### ANIMAL SCIENCE

Alissa Lynne Cisneros  
*Thesis:* Assessing shelter dog behavioral and physiological responses to various handling techniques and tools used during routine examinations  
Nadira Jaqueline Espinoza Rock  
*Thesis:* Biomapping of Indicator Organisms by a Mobile Testing Methodology to Support Produce and Agricultural Water Safety Assessments in Latin American Farms and Packinghouses  
Connor R. Kern  
*Thesis:* Effects of Cottonseed Meal Supplementation on Pre-Pubertal Heifer Performance and Forage Utilization While Grazing Late Season Summer Forage  
Kesley Breanna Kohl  
Estefania Orellana Pizzato  
*Thesis:* Environmental Sampling for *Listeria* spp Using a MicroTally Mitt and StickSponge for Environmental Sampling of Three Different Food Contact Surfaces

### ATMOSPHERIC SCIENCE

Tyler Bell Danzig  
*Thesis:* Urban Heat Experiment Around Lubbock, Texas (U-HEAT): An Exploration of Urban Heat Islands and Associated Advection  
Zachary Michael Medley  
*Thesis:* Exploration of Atmospheric Boundary Layer Thermodynamics Across Frontal Systems Over Land Using Airborne Lidar and In-Situ Measurements  
Emily Celestino Rawlins  
*Thesis:* Spatiotemporal Changes of PM10 and PM2.5 Over Two Decades Across the Greater Phoenix Area

### BIOLOGY

Songhe Li  
*Thesis:* The influence of categorically-distinct stressors, predators, and satiation on the visual attention to food images  
Nidhi Uppal  
*Thesis:* A species of conserved telomeric repeat-associated small interfering RNAs in plants

### BIOTECHNOLOGY

Moeed Ahmad  
Arpita Marick

### COMPUTER SCIENCE

Vimosanan Ahiladas  
Jai Sri Anandan  
Sairahul Chunduru  
Hari Ramachandra Rao Pattapu  
Md Syeedur Rahman  
Siva Naga Brahman Vuyyuru

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Meredith Kate Burdett  
Amy Maxwell Campbell  
Abigail Ann Despain  
Megara Monsserrat Escobedo  
Heather Krystyne Frazier  
Michelle Renee Gentry  
Raquel Gonzalez  
Madeline Catherine Johnson  
Katherine Scout LaBean  
Wesley Allen O'Quinn  
Demi Briana Torres  
Erin Marie Wilson  
Mary Elizabeth Worden

### DATA SCIENCE

Ana Hernandez-Acuna  
Cynthia Iradukunda  
Nomthetho Khohli Moyo  
Alex Palczewski  
Esan Shoostari

### ENVIRONMENTAL TOXICOLOGY

Carlos Mazariegos  
*Thesis:* Assessing the effects of two plastic additives, di-(ethylhexyl) phthalate and nonylphenol on zebrafish (*Danio rerio*)

### FAMILY AND CONSUMER SCIENCES EDUCATION

Rachel Renee Barlage

### FINANCE

Matthew Jacob Cotrone  
Hayden Annabella Nerby

### FOOD SCIENCE

Sairam Kalkode  
Sri Nivas Nekkaraganti

### GEOGRAPHY AND THE ENVIRONMENT

M Shahriar Sonet  
*Thesis:* Assessing Spatiotemporal Patterns in Climate Variables over the Last Four Decades across Texas

### GEOSCIENCES

Evans Akuoko Ansah  
*Thesis:* Siderite Cementation Controls on Clay Mineral Diagenesis in Carboniferous Strata of the Anadarko Basin, OK  
Hamidreza Azarmidokht  
*Thesis:* Evaluating river avulsion dynamics through physical experimentation and numerical modeling

## GRADUATE CANDIDATES

Wilmar Andres De La Hoz Gamboa

*Thesis:* Construction of a Chronostratigraphic Framework of the Silurian Reservoirs Developed in the Permian Basin Region, Integrating High-Resolution  $\delta^{13}\text{C}$  Chemostratigraphy, Conodont Biostratigraphy, and Sequence Stratigraphy

Madison Kaye Deerman

*Thesis:* It Starts with a Crack: Formation Mechanisms of Artesia Group Tepee Structures, Southeast New Mexico and West Texas

John Michael Nelson

*Thesis:* Characterizing channel migration habits, sediment transport capacity and flow dynamics in peatland: an example from Cedar Creek, Minnesota U.S.A.

### HORTICULTURE SCIENCE

Haynes Wheeler Lafferty

*Thesis:* Managing Water Quality Challenges in Bermudagrass Golf Course Fairways

### HOSPITALITY AND RETAIL MANAGEMENT

Bobbie Joe Maples

Ashley Elaine Winters

### HUMAN DEVELOPMENT AND FAMILY SCIENCES

Shoshannah Merl Bobritsky

*Thesis:* Multisystem Youth and Life Skills Through Positive Youth Development Approach

Shuwen Li

*Thesis:* Self-Esteem, Social Well-Being, and Loneliness among Emerging Adults: The Moderating Role of Extraversion

Nicole Martin

*Thesis:* The Impact of Mentoring on Youth Development Outcomes

Melanie Rose Quick

*Thesis:* Need satisfaction and life skills development: Adolescent perceptions of Positive Youth Development programs

### INTERDISCIPLINARY STUDIES

Gopi Anagani

Julianna Marie Davidson

Jasmine Eravelly

Elham Hasani Alavy

Amber Grace Powell

Vrunda Darpankumar Rania

*Thesis:* Evaluation of Fentanyl and Butyrylcholinesterase Interaction as a Tool for New Fentanyl Detection Methods

### MARKETING RESEARCH AND ANALYTICS

Shannon Jean Garcia

### MATHEMATICS

Olivia D. Brubaker

Aman Rani

### MICROBIOLOGY

Lauryn Elizabeth Evans

Victor Gbenga Kayejo

*Thesis:* The Rho GTPase Rac is an essential regulator of membrane repair to cholesterol-dependent cytotoxins (CDCs)

Brenden Trent Sisco

### NUTRITION AND DIETETICS

Ayah Ibrahim Alzoubi

Kristy Vuong Do

Lauren Denise Estrada

Cassie Paige Kandarian

Angela Marin Koons

Sharon Ang Low

Mack Murray

Emily Kainat Nasir

Katherine Grace Richardson

Carla Zenaida Samaniego

Ana Maria Wolf-Carrizo

### NUTRITIONAL SCIENCES

MST Anika Bushra

*Thesis:* Protective Effects of Selective Serotonin Reuptake Inhibitors (Escitalopram) against Alzheimer's Disease

Fatima Khalid

Erika Thalia Ramos

*Thesis:* Aberrant induction of autophagy impairs beige fat function in type 1 diabetes

### PERSONAL FINANCIAL PLANNING

Alydia H. Ball

Brandon J. Gromadzki

Henry Angus McKinnon Knowles III

### PHYSICS

Megan Renee Cuevas

*Thesis:* A Census of Red Supergiants in M31: Combining PTF and ZTF Data

Muhammad Usman Ghani

### PLANT AND SOIL SCIENCE

Bandana Osti

*Thesis:* Regulation of glycerolipid metabolism in germinating cotton (*Gossypium hirsutum* L.) seeds in response to cold stress

Megan Mills Singletary

*Thesis:* Axant<sup>TM</sup> Flex Cotton Response and Residual Weed Management Using HPPD Inhibiting Herbicides

### SPORT MANAGEMENT

Adebowale Ayodeji Esho

Emily Suzanne Evans

Olivia Marie Rains

Shivani Prashant Satav

Heimo Schaflechner

Trent Lee Vessel

Lillian Grace Zachry

### STATISTICS

Qiang Chen

Sams Rashid

*Thesis:* Multivariate Regression Analysis for Continuous and Binary Response Variables

### WILDLIFE, AQUATIC, AND WILDLANDS SCIENCE AND MANAGEMENT

Diego F. Aviles

*Thesis:* Precision grazing systems and alternative forages for water limited environments

Kalin Rae Bayes

*Thesis:* Breeding habitat selection of a desert amphibian and consequences for their tadpoles

Aaron Gunnar Gray

*Thesis:* Assessing Impacts of an Altered Flow Regime on the Fish Community of a Mid-Sized River

Shaelyn Trudie Rainey

*Thesis:* Seed Digestion and Cover Crop Effects on Native Grass Establishment

### MASTER OF SCIENCE IN ACCOUNTING

Brianna Renee Alexander

Rafael Arellano Lopez

Elizabeth Arenas

Boakye-Yam Boadi

Sarah Grace Byassee

Alejandro Farpon

Eric Jia Cheng Gabriel

Noah Scott Gasch

Jason Ryan Guest

Lauren E. Hernandez

Bradford Cade Holley

Keyondra Horton

Britney Danielle Juarez

Gorachad Kundu

Sophia Lee Limas

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Nathan Von Maxwell

Parker Thomas McKinney

Jacob Haskell Mullens

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Alyssa Mariah Salazar

Jordan Mitchell Satterwhite

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Lindsey Kay Skidmore

Brett Kyle Smigelski

Zachary Thomas Sommers

Hunter Grant Stephens

Benjamin Cates Walker

Preston Blaine Walker

Bryce White

Autumn Riley Wortley

## MASTER OF SCIENCE IN ARCHITECTURE

### ARCHITECTURE POST-PROFESSIONAL

Sarvin Eshaghi

*Thesis:* Cooperative Play in Historic Preservation Education: A Theoretical Framework and Game Implementation at the Silk Roads Using Unreal Engine

Sepehr Vaez Afshar

*Thesis:* Developing a Framework for Commercially Successful Educational Historical Video Games: A Data-Driven Analysis based on Steam Platform Player Reviews

## MASTER OF SCIENCE IN CHEMICAL ENGINEERING

Nooram Anjum

Zenifar Haque

Cheng Ju Hsieh

## MASTER OF SCIENCE IN CIVIL ENGINEERING

Pritu Ahmed

Syed Mujtaba Ahmed

Oduro Forkuo Boateng

*Thesis:* Hydrograph synthesis using a mechanistic transformation and survival probability model: A tool to predict behavior on Un-gaged watersheds

Rajesh Hezebu

Tanmay Khedekar

Niwesh Koirala

*Thesis:* Early Age Performance Evaluation of Resurfacing Jointed Concrete Pavements (JCP) with Continuously Reinforced Concrete (CRC) Pavement

Yusuf Museb Mansuri

Ahmed Raza

Kiana Rouhi

## MASTER OF SCIENCE IN ELECTRICAL ENGINEERING

Omar Abuaysheh

Agboola Benjamin Alao

Samer Mohammad Nayef Alwaqfi

*Thesis:* Direct Voltage Control of an Interior Permanent Magnet Synchronous Motor in Overspeed Conditions

Ebenezer Baisel

Bharath Kumar Dasari

*Thesis:* Wind Turbine Mass Imbalance Detection Using CNN-LSTM Network

Swarup Bashu Deb

Ayda Demir

Clifton Allen Renken Dey

Hari Prakash Reddy Dumpala

Kelsey Renee Gatlin

*Thesis:* Multiphysics Based Parametric Studies of Pressure Wave Generation in Head Models Induced by Incident Electromagnetic Radiation

Vishnu Vardhan Raju Godugu

Mohammad Hassan Jamil

Abid Quamruddin Mulla

Liang-Wei Ou Yang

*Thesis:* Design of Some Key Components Towards Realizing a Broadband Millimeter-Wave Front-end Module IC in 22 nm Fully Depleted Silicon-on-Insulator CMOS

Christopher Allen Williams

## MASTER OF SCIENCE IN INDUSTRIAL ENGINEERING

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The **bachelor's degree** represents completion of a four-year course of college-level study and is the oldest academic degree awarded by American institutions of higher learning.

**Graduation with Honors** is a distinction that is noted on diplomas and transcripts and receives special recognition at graduation ceremonies. Undergraduates who complete their work with a cumulative grade point average of 3.9 or above are graduated *Summa Cum Laude*; 3.7 to 3.89, *Magna Cum Laude*; 3.5 to 3.69, *Cum Laude*. Those who graduate from the Honors College after acquiring 24 Honors credit hours graduate "with Honors." Those who also complete an Honors thesis or project consisting of six additional hours graduate "with Highest Honors."

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Clint Andrew Demmitt  
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Maekenah Austin Lloyd  
Cameron Ngata Magee<sup>2</sup>  
Joyce Ndanu Matei  
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Kyndall Olympia Milstead<sup>2</sup>  
Collin William Norvell<sup>3</sup>  
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Marianna Zamora

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Flor Jacqueline Cantu Limas  
Aaron Bernard Dungy  
Jacqueline Garcia-Hernandez  
De'cedrick De'Onta Hunter

Ashmal Irfan  
Max Alexander Martin  
*2nd Degree: General Business*  
Nicholas Burlison Martin  
Francisco Javier Muniz Ituarte<sup>3</sup>  
Lourdes Arely Saldana  
Ricardo Pacheco  
Valeria Ximena Valdez  
Garrett Logan Warner  
*2nd Degree: General Business*

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Chandler B. Cathey<sup>1</sup>  
Nicholas Lee Easton<sup>3</sup>  
Adriana Ivette Martinez<sup>2</sup>  
Elizabeth Grace Trook<sup>1</sup>

#### CRIMINOLOGY

Faith Michelle Binon  
Yilian Gomez  
Lyndsy A. Jacquez<sup>2</sup>  
*2nd Major: Psychology*  
Mugabi Rubamba

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Andrew Ellis Krzycki  
Xavier Alejandro Mora  
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Sarah Lynn Butcher<sup>2</sup>  
Chi Yin Cheng<sup>1</sup>  
Alexander Stephen Miklos  
Delyse Leslie Mitchell  
Sybell Jennifer Moegel<sup>1</sup>  
*2nd Major: Sociology*  
Rebeca Perez<sup>1</sup>  
Lourdes Perez Maldonado Davila<sup>1</sup>  
Sofia Maria Zepeda

#### GEOGRAPHY AND THE ENVIRONMENT

Isaiah Apolinar  
Emily Grace Laughlin<sup>1</sup>  
Ana Fernanda Marin  
Kalkidane Berhane Negewo

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Henry Chukwuemeka Okorie

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Colin Reid Morris

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Kieran James Fearey  
Adria Renae Gonzalez  
Logan Montgomery Green  
Kye Angelo Herbert  
Chad Rowdy Jackson<sup>1</sup>  
Rush Patin Rowell II

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Taylor Elizabeth Mairena

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Antonio Arellano<sup>1</sup>  
Guillermo Alejandro Avila  
Jonathan Thomas Bernard<sup>2</sup>  
Alexander Ellsworth Clyde  
Mallory Paige DeWitt<sup>2</sup>  
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Logan M. Fleming  
Troy Daniel Franco  
Bertram Todd Gray, Jr.  
Makayla Dayne Catherine Klie  
Max Macicek  
Jonathan Cooper Merrill  
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Jessica Monreal  
*2nd Degree: General Studies*  
Breana Marie Nuñez  
Milichukwu Catherine-Ama Ogbonna<sup>1</sup>  
Geovany Palacios  
Ángel Savion Puckett  
Hannah Joilene Qayumov<sup>1</sup>  
Valentine Manuel Tarango Ramirez  
Braden James Roehling  
Arianna Nicole Segovia<sup>3</sup>  
Bria La'Nai Shavers  
John Graham Shearer  
*2nd Major: Spanish*  
Savannah Leigh Thompson  
Jade Gianna Trevino  
Steven Treystman  
Austin Adams Warrick<sup>1</sup>  
La Sharon Denise Wilson<sup>2</sup>

## PSYCHOLOGY

Brezale Aguirre  
Mason S. Airhart  
Ashli Nicole Alamanza  
Stephen Grant Allen  
Andrea Gloria Alvarez  
Caroline Grace Asquith<sup>2</sup>  
Tanner Wayne Atkins  
Tamara Awinja  
Leira Katrina Barlis  
Robyn Jacquelyn Bramble<sup>3</sup>  
Nicholas M. Burton  
*2nd Degree: Mathematics*  
Jessica Lind Byers  
Julianna Nicole Cantrell  
Connor Reid Chappell  
Emilee Marie Chiddres  
*2nd Degree: General Studies*

Caitlin Elizabeth Farrell<sup>3</sup>  
Nayelie Feliciano Rivera  
Adam Mitchell Fogg  
Ashlyn Grace Ford  
Chloe Marissa Foust  
Joshua Diego Garcia  
Raino D'asis Gabriel Garmes  
Kathryn Noel Gehrke  
Leah Gervais  
Kendall Gottsche  
Ismael Jose Gutierrez  
Aridai Hernandez<sup>2</sup>  
Andrew Sean Herrmann<sup>1</sup>  
Alexander Jordan Hilario  
Grayson Bell Holt<sup>3</sup>  
Karissa Caitlyn Howard  
Kendal Grayson Jones  
Mattie Michelle Koenig<sup>2</sup>  
Madeleine Kuehl<sup>2</sup>  
Baylee Shay Lanham  
Sophia Lee<sup>1</sup>  
Abigail Louise Liller<sup>3</sup>  
Alexa Lauren Lingo  
Keaton H. Martin  
Sydney Mishell Mathis  
Kaley Reece McAda  
Hanalei Lizette Mendez  
Sydney Grace Miley  
Macey Kay Moon<sup>2</sup>  
Darrien Rashad Moreland  
Chad Connor Murphy  
Joseph Patrick O'Donnell V  
Brianna Eilenne Ramirez<sup>3</sup>  
Nikki Lynn Ramirez  
Kristin Janay Reed  
Brooke Nicole Robinson  
Kayla M. Sausser  
Mikayla J. Sommerville  
Gavin Matthew Spence  
Triniti Aniya Standberry<sup>3</sup>  
Kinsey D. Stiles  
Jhanell Brionna Taylor  
Blayne Edward Terry  
Tori Elizabeth Thomsen<sup>2</sup>  
Major Huntington Thurman<sup>2</sup>  
Brenda Sujei Trujillo  
Mackenzie Nicole Turner  
Rebekah Makinley Watkins  
Destiny Racquel Weller  
Christian Dale Williams<sup>3</sup>  
Isabella Rose Wilson  
Ashley Renee Windisman  
Daniel Alejandro Zambrano

## SOCIAL WORK

Reagan Meredith Blake

## SOCIOLOGY

Jose Gilberto Benavides  
Jackson Carl Carter  
Karina A. Cienega  
Taryn Jo Hauck<sup>3</sup>  
Carla Renee James  
Raul Manuel Lucero-Hernandez  
Isaac J. Ontiveros  
Raymond Lee Resendez  
Sam Joshua Rogers, Jr.  
Grace E. Schexnayder  
Aaron James Swallows  
Haley Nicole Tyler  
Hannah Elizabeth Weikert

## SPANISH

Sydney Michele Aguilar  
Maria Citlalli Chavez  
Anna Estelle Geller  
Caroline Claire Phelps<sup>1</sup>  
*2nd Degree: Kinesiology*

## WRITING, DESIGN, AND TECHNICAL COMMUNICATION

Robert David Henshall<sup>1</sup>  
Elizabeth Hajar<sup>1</sup>

## BACHELOR OF GENERAL STUDIES

Brantz Sterling Allison  
Sedra Amassali<sup>2</sup>  
Andrew Thomas Batista  
Trenton R. Blanchette  
Savannah Rose Brown<sup>2</sup>  
Ruben Castaneda  
Christian Anthony Centrella  
Emily Grace Chandler  
Emilee Marie Chiddres  
*2nd Degree: Psychology*  
Kevin Scott Crouch  
James Paul Cummings, Jr.  
Joseph Maxwell Davis  
Jaden Breanna Elam  
David Andrew Fielder  
John Douglas Fitzpatrick  
Karli Marie Fostel  
Joshua Layne French  
Ja'Lynn Nicole Garza  
Irene Grajales  
Gavin Joseph Granados  
Anna Victoria Grones  
Samuel Reis Haigwood  
Kayla Marie Harker  
Lee Ann Heath<sup>2</sup>  
Andrew William Hewitt  
Nicholas Tyke Holmes  
Anne Elizabeth Jackson  
Dakota James Jackson  
Michael Christopher Jones  
Tausha L. Kemp  
Tate Austin Ladson  
Emma Lyn Laseter<sup>2</sup>  
Kinnidy R Markum  
Itzel Alejandra Martinez  
*2nd Degree: International Economics*  
Marshall Robert McLain  
Stephanie Dawn Meyer  
Jessica Monreal  
*2nd Degree: Political Science*  
Logan Andrew Morris  
Monica Nag<sup>3</sup>  
Andrew James Narciso  
Shane Houston Newcomb<sup>3</sup>  
Rachelle Ann Nogelmeier  
Brendan Daniel Payton  
Sierra Dawn Penfold  
Maxumus Richardson<sup>1</sup>  
Presley Robertson  
Bertha Johanna Sagreiros  
Mariah Brianne Salas  
Christopher Simmons  
Cendle Alexis Spears  
Chloe Lee Spore<sup>2</sup>  
Lauren Audrey Staite

## UNDERGRADUATE CANDIDATES

Brandon Todd Stanley  
Kaitlyn Marie Stevenson  
Chainey Dinnette Stoltmann  
Takota Ray Taylor  
Madeleine Shae Tondre  
Bre Michelle Vander Woude<sup>2</sup>  
Danielle Villa<sup>3</sup>  
Britany Michelle Winn  
Noah Ming-Ahn Wong<sup>1,4</sup>

### BACHELOR OF SCIENCE

#### BIOCHEMISTRY

Jessica Lynn Bailey  
*2nd Major: Cell and Molecular Biology*  
Cathlyn Sunshine Collins  
Cade Astin Jiral  
Jada Treyneshia Matthews  
Mackenzie Bree Vlosich

#### BIOLOGY

Meena Alsaleh  
Megan Annika Archibald  
Farrah N. Brazil  
Addison Mackenzie Calahan  
Jadyn Laine Chancellor  
Gisselle Arianna Chavez  
Tianna Nha-Duyen Dinh  
Mang Tha Eng  
Audrey M. Faucher<sup>1</sup>  
Claire Frances Fowler<sup>3</sup>  
Jason Robert Glover  
Mark Thomas Hardin  
Zoe Alexandra Heller  
Natalie Fares Howari<sup>3</sup>  
Ayden David Hutchins  
Keosorochi Chinwe Lorell Jiwuaku  
Allison Paige Kennedy  
Awurama Gyakoma Kwarteng  
Peyton Lee  
Alan Loya-Silva  
Claire Elizabeth Malone<sup>3,4</sup>  
Olivia Antonette Menendez  
Brandy Makayla Moody  
Katelyn Abigail Morgan  
Anne Elizabeth Mowry<sup>1</sup>  
Shreenithi Nandhakumar<sup>1</sup>  
Alondra Paredes Segoviano  
Dhyeykumar Devendrakumar Patel  
Katherine Petrova<sup>2</sup>  
Jesly Guadalupe Quintero  
Izabella Maria Rodriguez  
Hayden Santana  
Jocelyn Alexis Saucedo  
Taylor Christopher Seeton<sup>3</sup>  
Corbyn Makenzie Slusher  
Melanie Ellen Smith<sup>2,4</sup>  
Jack William Studebaker<sup>1</sup>  
Lydia Jade Timmons<sup>2</sup>  
Michaela Grace Watkins<sup>2</sup>  
Katarina Elizabeth Yamin

#### CELL AND MOLECULAR BIOLOGY

Paul Martinez<sup>3</sup>  
Madison Kate Pakenham

#### CHEMISTRY

Destiny Trenise Allen  
Annelise Conaway  
Genasis Bryanna Garza<sup>1</sup>

#### ECONOMICS

Sara Michelle Brown  
*2nd Major: Mathematics*  
Gwen Reese Drabek  
Arbaaz Singh Sandhu

#### GEOSCIENCES

Aleck Theron Allen  
Logan Carter Fink<sup>1</sup>  
Jayden Nicole Flaming  
Koby James Krause<sup>1</sup>  
Angelo Isaías Ortiz  
Lauren Ashley Roos  
Kaitlyn Marie Williams<sup>1</sup>

#### KINESIOLOGY

Carson Emanuelle Armijo  
Keatyn Eric Armstrong  
Jacy Reagan Berna  
Jordan Laine Bishop  
Jet Andrew Bohling<sup>3</sup>  
Nathan George Bordes<sup>1</sup>  
Claudia Cervantes  
Paige Mckenzie Childress  
Dean Michael Collins  
Caden Brent Corzine  
Oluwatobi Odunayo Fasehun  
Leslie Carolina Galvan  
Joshua Paul Glidden<sup>3</sup>  
Victoria Gonzalez  
Alexandra Hernandez  
John Hernandez  
Evan Bradley Johnson<sup>1</sup>  
Madelyn Neely Maddox  
Luke Reeder Maternowski  
Jamyiah Lashan Maxwell  
Reed Hamilton Medlock  
Myka Danae Montes  
Graylen Kyle Moore  
Samantha Raye Nicholson<sup>2</sup>  
Alexis Marie Ortiz  
Joshua C. Pando  
Caroline Claire Phelps<sup>1</sup>  
*2nd Degree: Spanish*  
Sebastian John Powers  
Charlotte Laurelle Prinsloo  
Ray Alexander Ramirez  
Izabella Roig  
Holly Lynn Royal<sup>2</sup>  
Briana Daniela Salinas  
Alain John Santos<sup>3</sup>  
John Nelson Varnell III  
Alyssa Faithe Whillock

#### MATHEMATICS

Jubilee Chinedu Akputa  
Nicholas M. Burton  
*2nd Degree: Psychology*  
Mariah Gabrielle Herrera  
Ynes Ineza  
*2nd Degree: Computer Science*  
Chase Matthew Keller  
*2nd Degree: Computer Science*  
Tahmid Ibne Azam Khan<sup>2</sup>  
*2nd Degree: Computer Science*

Carlos Rafael Lopez  
Alexander Leon Nopola  
Emily Jazmine Sanchez  
Johnny S. Tea  
Leighann Marie Thompson<sup>3</sup>  
Thomas Van Tran

#### MICROBIOLOGY

Deyanira Natali Delgado

#### PSYCHOLOGICAL SCIENCES

Amanda Larissa Acevedo Arias  
Melika Akhgari  
Brianna Georgette Alvarez<sup>2</sup>  
Diego Alejandro Angobaldo  
Emma Dailey<sup>3</sup>  
Connor Seth Martinez  
Marissa Rebecca Martinez  
Abbey Mauk  
Charlene Marie Neudek<sup>1</sup>  
Danyal Mehdi Rizvi  
Magaly Robles-Olivera

#### RENEWABLE ENERGY

Aiden Lee Baker  
Diego Sebastian Camacho  
Carlos Noe Garcia Villagran<sup>2</sup>  
Elizabeth Granillo-Lopez  
Jose Antonio Martinez

#### SPORT MANAGEMENT

Cooper Lee Allen  
Justin Dylan Apodaca  
Mitchell Price Brockman  
Cash Lee Carpenter<sup>3</sup>  
Nash McCarthy Crawford  
John Samuel DeDivitis  
Angel Fernandez  
Marco Antonio Garcia  
Andrew Miles Garrison<sup>1</sup>  
Quin Haggard<sup>1</sup>  
Jentry Blaine Hood  
Ryan Bradford Ingram  
Hudson Avery Jones  
Samuel Stokes Kennedy  
Makayla Nicole Miller<sup>2</sup>  
Logan Edson Muschaweck  
Britlyn Jaleigh Osborne  
Hunter Layne Rozacky<sup>2</sup>  
Landry Young Schmoker  
Avery Wallace Short  
James Cooper Steele  
Mason Allen Trujillo  
Brennan A. Zeiner

### BACHELOR OF SCIENCE IN INTERNATIONAL ECONOMICS

David Joel Kimbunda  
Itzel Alejandra Martinez  
*2nd Degree: General Studies*

# UNDERGRADUATE CANDIDATES

## JERRY S. RAWLS COLLEGE OF BUSINESS ADMINISTRATION

### BACHELOR OF BUSINESS ADMINISTRATION

#### ACCOUNTING

Brianna R. Alexander<sup>3</sup>  
Zayda Jolie Altheide<sup>3</sup>  
Rafael Arellano Lopez  
Elizabeth Arenas<sup>2</sup>  
Adam George Ash  
Sarah Grace Byassee<sup>3</sup>  
Weizhuo Chen  
Jayson Taylor Crawford<sup>1</sup>  
Avery Grace Crosswhite<sup>1</sup>  
Shelby LeeAnn Denton  
Blake Wayne Fails  
Alejandro Farpon  
Eric Jia Cheng Gabriel  
Noah Scott Gasch  
Jaden Lucas Gravett<sup>1</sup>  
Jason Ryan Guest  
Gage Austin Guidry  
Lauren Elizabeth Hernandez  
Faith Lynn Hojdea  
Keyondra Horton  
Raymundo Alejandro Hurtado III  
Kaaliyah Fransheiy Jackson<sup>3</sup>  
Alex Johns  
Christian T. Lamarque  
Sophia Lee Limas  
Sally Lin Liu<sup>3</sup>  
Nathan Von Maxwell  
Parker Thomas McKinney<sup>3</sup>

*2nd Major: Finance*

Felice Alexis Minor<sup>3</sup>  
Jacob Haskell Mullens<sup>3</sup>  
Trayson Riley Murphy  
Andrea Thien An Duy Nguyen  
Mark Anthony Ordonez  
Luke Edward Pfeiffer<sup>2,4</sup>  
Samuel Whitaker Reddell  
Alyssa Maria Salazar<sup>2</sup>  
Cameron T. Salinas  
Carlos Sanchez<sup>1</sup>  
Andrew Peter Schlereth<sup>1</sup>  
Chaney Claire Sims<sup>3</sup>  
Lindsey Kay Skidmore<sup>1</sup>  
Brett Kyle Smigelski<sup>1</sup>  
Zachary Thomas Sommers<sup>1</sup>  
Hunter Grant Stephens<sup>2</sup>  
Michael Alexander Vazquez  
Benjamin Cates Walker<sup>1,4</sup>  
Preston Blaine Walker<sup>1</sup>  
Austin John White  
Bryce Crawford White  
Justin Arliss Williamson<sup>3</sup>  
Autumn Riley Wortley<sup>1,4</sup>  
Jenna Nicole Zieber<sup>2</sup>

#### FINANCE

Aidan Christian Andrews<sup>2</sup>  
Samuel James Bargainer  
Briana Bibanco  
Mitchell Curtis Bowman  
Elle Corsi  
Grayson Thomas Decker<sup>1,4</sup>  
David Drekaj  
*2nd Major: Accounting*  
Jake Autrey Duvall<sup>2</sup>  
William Garrison Eaker<sup>3,4</sup>  
John Joseph Edmonds<sup>2</sup>  
*2nd Major: Accounting*  
Grace Mary Elias  
Hope Kassity Flournoy<sup>1</sup>  
Kendall Grace Hill  
Bradford Cade Holley<sup>1</sup>  
*2nd Major: Accounting*  
Denver C. Horn  
Benjamin Abraham Jacobparayil<sup>1</sup>  
Ian Donovan Kelly  
Steven Luke Langford  
Mason Kelly Wayne McCarthy  
Guisepppe Anthony Palamara  
Alexander Chad Pearson  
Bethany Jaye Richardson  
*2nd Major: Accounting*  
Jacob Michael Rister  
Antonio Ignacio Romero  
Natal C. Santiago  
Robert Mason Sticher  
Varshini Suresh<sup>1,4</sup>  
Jack Henry Swearingen  
*2nd Major: Marketing*  
Emily Kate Szumera  
Jacob Cale Thompson  
Nathan Lee Wilson

#### GENERAL BUSINESS

Max Alexander Martin  
*2nd Degree: Architecture*  
Joe Maclovio Soliz  
Garrett Logan Warner  
*2nd Degree: Architecture*

#### INFORMATION TECHNOLOGY

Junior Issac Dwumfour-Poku  
Akan Archibong Effiom  
Ryan Austin Franklin  
Jakobi Amiri Hardy  
Ina Erika Myllykoski<sup>3</sup>  
Diego Nguyen  
Omar Samer Rahimeh  
Guadalupe Lorenza Ruiz  
Zane Monroe Tyson

#### MANAGEMENT

Melody Arencibia Marrero<sup>2,4</sup>  
Carter Brant Armes  
Samantha Lynn Beadle  
Tyler Blake Beidleman  
Justin Blake Bostic  
Ethan Jacob Brewer  
*2nd Major: Marketing*  
Brenda Nicole Briones  
Alexander Robert Brown  
John Mason Burks  
Carter V. Buttram  
Javin Paul Contreras<sup>3</sup>  
Mason Jude Cook  
Kennedy Anna Crites  
*2nd Major: Marketing*

Mario Alejandro Davila  
Colby Reid Ernst  
Jonathan Ray Flores  
Denis Funes Sanchez  
Mason Michael Ivan Gaddy  
Maria Alejandra Gonzalez<sup>2</sup>  
James Grando  
Camden M. Grant<sup>3</sup>  
Nicole Guzman  
Alexander Nicholas Haiek  
Clark Hansford Hamilton  
Kaitlynn Rene Hart  
Devin Nomie Paul Hickman  
Forrest Milan Jackson  
Clayton Travis Jenkins  
Jason Kim  
*2nd Major: Marketing*  
Kendal Elizabeth Kurth  
Dawson Matthew Lackey<sup>2</sup>  
Blake Grant Laviale  
Ryan Samuel Lee  
Jaxon Cade Lefevre  
William Charles Lyness  
Joel F. Martinez  
Jack Hogan Masterson  
Trevor Adam Matthews  
Kyler Allen McDaniel  
Matthew Hunter McMillon  
Christoph Phillip Mueller  
Abhiram Mulam  
Matthew Scott Nedderman  
Logan Shea Oehler<sup>3</sup>  
Fintan Jacob Harrington Perrins  
Aubry Henley Redwine<sup>2</sup>  
Hector Enrique Rios<sup>2</sup>  
Ashley Nichole Romero  
Vicente Alejandro Sanchez  
London Sheffield  
Britton Joshua Sherman  
William Maddox Shirley  
Scott Richard Lee Siebenthal  
Jacob Edward Simmerman  
Kohl Singleton  
Trevor Scott Smith  
Tyran Peter Snyders  
Trista Cailin Squier  
Gillian Reid Stinson<sup>2</sup>  
Emma L. Stonebraker  
Zachary Alexander Tanguma<sup>3</sup>  
Angel Tello<sup>2</sup>  
Ryan Jay Thurston  
Taryl Quinn Toepperwein  
Anthony Joseph Tumminaro  
Ismael Vela  
Isaiah Jay Vitello<sup>3</sup>  
Lauren Lynn Watt  
Mackensie Lee Wilson<sup>3</sup>  
Christian Woerpel  
Derek Ty Wright

#### MARKETING

Jaylon Rashun Anderson  
Kathryn Nicole Anglin<sup>3</sup>  
Meagan Elizabeth Avery<sup>3</sup>  
Sophia Danielle Ayala  
Natalie Claire Bennington  
Aidan Michael Bernal<sup>2,4</sup>  
Dylan Tyler Black  
Ke'Shawn Andre Natavious Brown  
Makayla Cheyenne Burton

## UNDERGRADUATE CANDIDATES

Samuel Austin Caffey  
 Sophia Michelle Casillas  
 Emily Lila Castillo  
 Andrew Dale  
 Zeke C. Dayton  
 Samuel Mark Dellinger  
 Weston Reid Dopson  
 Beaudie Chantz Dossett  
 Megan Nicole Elliott  
 Weston Tyler Elms  
 Jack Cooper Estrada  
 Kathryn Elizabeth Ford  
 Baylee Madison Freeman  
 Mason Jay Fuqua  
 Rodney Craig Gann  
 Matthew Gregory Garcia<sup>1</sup>  
 Joseph Conlan Garsson  
 Kayla Dyann Girdner  
 Mariana L. Gonzalez  
 Lauren Elizabeth Grider  
 Madison Danielle Grotberg  
 James Taylor Guy  
 Robyn Marlene Hanes<sup>3</sup>  
 Matthew Jeong Ho Iber  
 Elizabeth Elaine Jones  
 William Draeger Keith  
 Jacob Patrick Markham  
 Isaiah Joshua Martinez  
 Erica Lanae Massingill  
 Riley Bryn McNamara  
 Viviana Alejandra Morales  
*2nd Major: Management*  
 Carter Michael Moss  
 Bridger Owens  
 Lily Elizabeth Patton  
 Blake Scott Peterson  
 Brandyn Rahe Ramirez  
 Francis Palmer Rovelli  
 Gehrig N. Runyan  
 Madison Noelle Shehorn<sup>3</sup>  
 Juan Ignacio Sisniega  
 Blake William Spence  
 TaKara Shyree Stone  
 Elizabeth Taylor  
 Luke James Tsoukalas  
 Tavion Ja'quay Wheeler  
 Brayden Lee Wynne

### SUPPLY CHAIN MANAGEMENT

Alexander Samuel Carbery  
 Victor Davila  
 Zachary Jay Martin  
 Samuel Mitchell Rauch

## COLLEGE OF EDUCATION

### BACHELOR OF SCIENCE

#### EDUCATION

Noor Idreas Ahmed<sup>2</sup>  
 Gabriela B. Alba Arciniega<sup>1</sup>  
 Fabiola Celeste Almendarez<sup>3</sup>  
 Kimberly Elizabeth Arevalo  
 Daniel Robert Arganbright<sup>1</sup>  
 Stacy Arias<sup>1</sup>  
 Maria S. Arriaga<sup>2</sup>  
 Kyla Michelle Bannon<sup>2</sup>  
 Luz Maria Becerra Salas

GINNA PAOLA BECERRA FORERO<sup>2</sup>  
 Cherrise Nadine Boyd<sup>2</sup>  
 Amber Bray<sup>1</sup>  
 Sarah Renee Bridges  
 Zairah Cabrera<sup>3</sup>  
 Martha Camara<sup>1</sup>  
 Kristi Rogina Camargo<sup>2</sup>  
 Wendy Yajaira Carbajal<sup>2</sup>  
 Stephani Carrasco Rodriguez<sup>3</sup>  
 Alydia Beatris Castillo<sup>2</sup>  
 Kendra S. Castillo<sup>1</sup>  
 Lisette Castillo  
 Christi L. Clay  
 Dianna Marie Creed<sup>1</sup>  
 Brent Scott Davis<sup>1</sup>  
 Madison Paige Denny  
 Dulce A. Diaz<sup>1</sup>  
 Priscilla Belinda Esparza<sup>1</sup>  
 Keri Denae Foust<sup>2</sup>  
 Thomas Lee Gabehart<sup>1</sup>  
 Maya Christine Gaffney<sup>1</sup>  
 Annalisa Garcia<sup>3</sup>  
 Briana Angelica Garcia<sup>1</sup>  
 Diana De Jesus Garcia<sup>1</sup>  
 Ibeth Garcia<sup>3</sup>  
 Jessica Alise Garcia<sup>2</sup>  
 Zada Ellyse Garcia<sup>1</sup>  
 Elizardo Garcia Pimentel<sup>1</sup>  
 Alaina Golightly  
 Maurisa Sanchez Gonzales  
 Mariana Gonzalez Suarez<sup>2</sup>  
 Rachael Gonzalez<sup>2</sup>  
 Alaina Lee Greene<sup>3</sup>  
 MaRyan M. Griffith  
 Maeghan Lee Griggs  
 Alma Elena Hernandez<sup>2</sup>  
 Cecilia Elizabeth Herrington  
 Daniel Reid Holland  
 Ansleigh Houchin<sup>2</sup>  
 Delia Huerta<sup>1</sup>  
 Camryn Ashleigh Hunt  
 Robin Allison Ibanez<sup>1</sup>  
 Torri A. Ingram<sup>1</sup>  
 Savannah Bella Jack<sup>2</sup>  
 Mindy Lauren Johnson<sup>2</sup>  
 Yamila Khalil  
 Nashmia Khan<sup>2</sup>  
 Yaquelin Lagunas-Acosta<sup>2</sup>  
 Evander Andras James Larson<sup>1</sup>  
 Mayra Soledad Leoro  
 Ashley Lewis  
 D'Mya Nichole Lewis<sup>2</sup>  
 Taylor Anne Lewis<sup>1</sup>  
 Amy Nallely Lopez  
 Amy B. Lucero<sup>2</sup>  
 Anna Lugo<sup>2</sup>  
 Martha Isabel Macario  
 Arleth Paola Macias Alvarado  
 Brittani Marlow<sup>2</sup>  
 Jennasis Nicole Martin<sup>1</sup>  
 Arianna Marie McClendon  
 Macaul Mckellar  
 Claudia Mejia<sup>1</sup>  
 Baylee Ashlyn Lu Melloway  
 Michelle Monsivais<sup>3</sup>  
 Tyler McKenzie Moon  
 Emily Elizabeth Moran<sup>1</sup>  
 Cheyenne K. Morgan<sup>3</sup>  
 Brianna Morris<sup>2</sup>  
 Crystal Ann Mosqueda<sup>2</sup>

Katie Elise Odum<sup>2</sup>  
 Adeline Michelle Ordoñez<sup>2</sup>  
 Priscilla N. Padilla<sup>2</sup>  
 Rylie Mae Pargmann<sup>2</sup>  
 Chastity Mo'Nique Parvaneh  
 Maria Guadalupe Quintero Flores<sup>1</sup>  
 Leslie Karolina Quiroz<sup>3</sup>  
 Lucy Stephanie Rangel<sup>2</sup>  
 Daisy Regalado<sup>3</sup>  
 Lidya Reyes<sup>1</sup>  
 Jessica Marie Rodriguez<sup>1</sup>  
 Zahira Nicole Rodriguez<sup>3</sup>  
 Artemio Rojas, Jr.  
 Victoria Rosales<sup>2</sup>  
 Peyton Taylor Rossman<sup>2</sup>  
 Jessica Marie Ruiz<sup>3</sup>  
 Isabella Noel Russell<sup>1</sup>  
 Hannah Lee Saldivar<sup>1</sup>  
 Maria E. Sandoval<sup>2</sup>  
 Gracie Rae Schult<sup>2</sup>  
 Heidi Seely<sup>1</sup>  
 J'Leigh Shelburne<sup>3</sup>  
 Alayna Michelle Spivey<sup>3</sup>  
 Anna Catherine Spurgeon<sup>2</sup>  
 Abigail Grace Stephens<sup>3</sup>  
 Brittney Sweet  
 Maryam Hassani Tavakoli<sup>3</sup>  
 Ivonne Tinoco  
 Bethany T. Tran  
 Kayla Rene Trotter<sup>1</sup>  
 Angela Selena Uriostegui<sup>3</sup>  
 Jazmin Vega<sup>1</sup>  
 Jamee Velasquez  
 Rachel Gabrielle Vences<sup>2</sup>  
 Leslie Jane Verduzco  
 Mia Aryceli Villanueva<sup>3</sup>  
 Minerva Villarreal  
 Chloe G. Von Theumer<sup>1</sup>  
 Peyton M. Walker<sup>3</sup>  
 Grace Madelynn Walters  
 Lisette Wells<sup>1</sup>  
 Jennifer Lisa Wiebe<sup>2</sup>  
 Mary Sol Winegardner<sup>1</sup>  
 McKenna Casey Wood  
 Fabiola Zermeno

## EDWARD E. WHITACRE, JR. COLLEGE OF ENGINEERING

### BACHELOR OF SCIENCE

#### CHEMICAL ENGINEERING

Wolfgang Gerhard Guenther  
 Natalie Brooke Porter

#### CIVIL ENGINEERING

Micah Daniel Marshall  
 Bruno Sandate

#### COMPUTER ENGINEERING

Oluwanifemi Daniel Aiyegoro  
 Jonathan Wyatt Calk  
 Ryan Grace  
 John Mark Himes<sup>2</sup>  
 Nasser Alexei Marquez  
 Caleb Alexander Pace  
 Evan Travis Peterson<sup>2</sup>

# UNDERGRADUATE CANDIDATES

## COMPUTER SCIENCE

Easton Anderson Archer<sup>3</sup>  
Ynes Ineza  
*2nd Degree: Mathematics*  
Chase Matthew Keller  
*2nd Degree: Mathematics*  
Tahmid Ibne Azam Khan<sup>2</sup>  
*2nd Degree: Mathematics*  
Alex Omar Monge<sup>3</sup>  
Samuel Gonzalo Riggan  
Simon Robert Swopes<sup>3</sup>

## ELECTRICAL ENGINEERING

Damian Wayne Archer  
Georgia Lee Doering  
Rodie Weslee Fuqua  
Brennen Reese McNabb  
Evan Paul Miller<sup>1,4</sup>  
Logan Richard Minkler  
Jacob Michael Mraz<sup>2</sup>  
Devon James Spiker  
Dylan Wayne Woods

## INDUSTRIAL ENGINEERING

Maria Paula Murillo Calvo

## MECHANICAL ENGINEERING

Connor Sloan Black  
Scott Everett Boyer  
Chase Patrick Cunningham<sup>3</sup>  
Braedyn Alexa Deaver  
Austin Monroe Frazier  
Quinten Carlos Cabello Havrda<sup>3</sup>  
Jamin Hong  
Gabriel Christopher Gil Jones  
Jacob Rene Martinez  
Bryce Michael McMakin  
Jacob Matthew Minton  
Austin Adler Mirth  
Casey William Orsak  
Nicolas Ortiz Chaves  
Brendan Alexander Quiggle<sup>3</sup>  
Caleb Howard Stackhouse

## HONORS COLLEGE

### BACHELOR OF ARTS

#### HONORS SCIENCES AND THE HUMANITIES

Trevor Michael Wilkinson<sup>1,5</sup>

## COLLEGE OF HUMAN SCIENCES

### BACHELOR OF APPLIED ARTS AND SCIENCES

#### RESTAURANT, HOTEL, AND INSTITUTIONAL MANAGEMENT

Nicholas Paul Rankin

### BACHELOR OF SCIENCE

#### APPAREL DESIGN AND MANUFACTURING

Mckinzie Capri Balfour<sup>2</sup>  
Jazmine Rivera Brito<sup>1</sup>  
Katherine Elizabeth Dutton<sup>1,4</sup>  
Aubrey Hope Frey<sup>3</sup>  
William S. Griffith  
Jillian Lenae Hackett  
Kailey Amelia Itri  
Makenzi Laine Leonard<sup>3</sup>  
Rebecca Anne Lichtenstein<sup>1</sup>  
Maddison Lea Majors  
Tori Renae Nerpel<sup>3</sup>  
Cecilie Brøgger Steensgaard Nielsen  
Kandace Helen Pope  
Emily Sarah Rosilier

#### APPLIED PERSONAL FINANCE

Elizabeth Renee Builta<sup>1</sup>  
Nathaniel Ivan Castro

#### COUNSELING AND ADDICTION RECOVERY SCIENCES

Betsy Kate Contreras  
Cristina Alexandra Dominguez  
John Michael Ellis  
Amy Ewing  
Kaylee Michelle Foster  
Robert William Huddleston  
Kaiya Nicole Johnson  
Marcee Kate Troxell<sup>3</sup>

#### HUMAN DEVELOPMENT AND FAMILY SCIENCES

Brooke Ashley Abbott  
Cleo Blossom  
McKenna N. Bufkin<sup>2</sup>  
Destiny Dion Carrion<sup>1</sup>  
Robert Daniel Clary  
Ebony Yanez Garcia<sup>2</sup>  
Mikayla Christine Hesseltine<sup>3</sup>  
Alyssa Marie Hodges  
Savanna Blair Laughlin  
Lyric Leann Lopez  
Mikaylyn Leann Menchaca<sup>2</sup>  
Kayla Marie Nkrumah  
Jaryn Raeleigh Reed  
Alexandra Lynne Salser<sup>1</sup>  
Sophia Elena Sanchez  
Maya Katherine Shaffer<sup>3</sup>  
Breanna Sue Shumate  
Alexia Marissa Sifuentes  
Jasmine Fatima Stewart  
Emily Carey Weatherford  
Gabriella Lee Williams  
Madelynn Nicole Witt  
Landry Elizabeth Woollen

## HUMAN SCIENCES

Daisy Estefania Aguilar Ruiz  
Madison Isabella Anderson<sup>3</sup>  
Sidney Dale Artac  
Trinity Alexia Ayala  
Chrissy Bailey<sup>3</sup>  
Ashlen Suzanne Bannowsky  
Blake Bedwell<sup>3</sup>  
Sydney Kaitlyn Belknap<sup>2</sup>  
Meagan Nichole Blair<sup>2</sup>  
Ashley Carroline Bustos  
Daniel Carl  
Cynthia Jazmin Castillo<sup>1</sup>  
Paul E. Centilli<sup>3</sup>  
Zoe Isabelle Clough<sup>3</sup>  
Crosby Cullen  
Bridget Jeanelle Cunningham  
Brittney Celeste Deanda  
Kayley Madison Depaz  
Kushal Desai<sup>2</sup>  
Jessica Kelechi Ejimonyebala  
Calie Ann Everett  
Andres Faudoa  
Rylee Ann Finnegan<sup>1</sup>  
Alana Christine Fitch-Baldwin  
Rileigh Waylynn Ford  
Samantha Galindez Rodriguez  
Emily Marie Garcia  
Nita Gharti<sup>3</sup>  
Dominique Danielle Gonzalez<sup>2</sup>  
Ashley N. Grandia<sup>3</sup>  
Annalena Gruhn  
Isabella Nicole Herrera  
Madisyn Marie Hicks  
Claire Elizabeth Hobbs<sup>3</sup>  
Alyssa Huot Oliver  
Viktoriya Ibraimova  
Brittney Nicole James  
Simranjit Kaur  
Joshua Christian Keilman  
Taylor Marie Leach  
Sydney Hodo Lenox  
Lillie Dawn Lopez  
Bailey Jaye Lowe<sup>3</sup>  
Marianna Marroquin  
Christina Martinez  
Vonn Ritchie Tandas Mationg<sup>3</sup>  
Eris Mendoza  
Julia Dodson Miller<sup>3</sup>  
Yessenia Montalvo Gonzalez  
Kathleen Dominique Morrow  
Hannah Lynne Muth  
Allison Kathleen Norrell<sup>1</sup>  
Deborah Aderonke Oyewole  
Kaylee Olivia Parker  
Jaci Parrish<sup>3</sup>  
Carmen Grace Perez  
Jessica Pham  
Andrea Nicole Phillips  
Carlie Blair Polson  
Austin David Pope  
Kassidy Ann Marie Porter  
Ava Renee Quezada  
Michael M. Richardson  
Raquel E. Rodriguez<sup>2</sup>  
Kelley Marie Romayor<sup>1</sup>  
Yamileth Rosales  
Maya Joan Salyer<sup>3</sup>  
Madison Semik<sup>2</sup>

<sup>1</sup>Summa Cum Laude <sup>2</sup>Magna Cum Laude <sup>3</sup>Cum Laude <sup>4</sup>With Honors <sup>5</sup>With Highest Honors

## UNDERGRADUATE CANDIDATES

Maria Isabella Short<sup>3</sup>  
Lydia Grace Stavinoha  
Chastity Lenora Nanny Stephenson  
Brooke Alexis Tabet  
Emma Eileen Thompson  
Kristin Haley Thompson  
Valerie Guadalupe Walker  
Nikayla Marie Waller  
Alexandra Ann White  
Dylan Wilson  
Nia Wyre  
Alexis Marie Ybarra  
Leena Yousri  
Evelyn Zavala<sup>1</sup>

### NUTRITION

Olivia Marie Nader Iskander<sup>2,4</sup>

### NUTRITIONAL SCIENCES AND DIETETICS

Brooke A. Fernandez  
Carli Paige Foster<sup>2</sup>

### PERSONAL FINANCIAL PLANNING

Benjamin Matthew Garrison  
Jake Henry Wadsley<sup>3</sup>

### RESTAURANT, HOTEL AND INSTITUTIONAL MANAGEMENT

Becton Bryce Blair  
Aaron Jacob Havery<sup>2</sup>  
Giselle Moyeda<sup>2</sup>  
Morgan Riley Squires<sup>1</sup>

### RETAIL MANAGEMENT

Ethan Michael Litzkow  
Chloe-Louise Mcconachie  
Jolie Jacklyn Phillips  
Katherine Grace Pyka  
Kathryn Olivia York

## COLLEGE OF MEDIA & COMMUNICATION

### BACHELOR OF ARTS

#### ADVERTISING

Avery M. Bayles  
Zoe Ayiana Bobb<sup>1</sup>  
Carter James Cherry  
Jared Luke Detrixhe  
Santana Sosa Garcia  
Elmer Eugene Gilleland V  
Aliezh Makenzie Guerrero  
Matthew D. Kesel  
Jared Andrew Lewis<sup>1</sup>  
Logan Dean Lightfoot  
Dezirae Acacia Lopez  
Elise Christine Macha  
Alyssa Haley McLain<sup>2</sup>  
Carlos Arman Quinteros  
JaLissa Ransom  
John Edmund Regen  
Ricardo Rivera  
Christian M. Valencia  
Arriana Niquole Villa<sup>3</sup>

### COMMUNICATION STUDIES

Charles T. Adams  
Justice Ashmore  
Maddie Anne Bates  
Neri Santiago Carrasco  
Cameron Bryce Clamon  
Harrison Coleman Crow  
Stephen Blake Davis  
Joshua Duplessis  
Sally Ann Elkady  
Destini Rachè Ford  
Gabrielle L. Germany  
Caroline Grasty  
Suzette Estella Idrogo  
James Ryan Ikard  
Gurleen Kaur  
Thomas M. Klementzos  
Connor Machicek  
Kristopher Taylor Massey  
Baylee Anne McCreight  
Aubriella Jewel Moore<sup>2</sup>  
Ethan David Moya  
Anson Nicholas Pinkston  
Emmaline Verree Rethans  
Maria Montserrat Ramirez  
Jacob Riggsby  
Lauren Reese Schlager  
Holland Yvonne Sharkey<sup>3</sup>  
Jasmine Camille Shavers<sup>3</sup>  
Allie Mykeal Stark<sup>2</sup>  
Koby Clayton Suggs  
Allison Nicole Trahan  
Sara D. Victoria  
Samantha Elise Wilson  
Abigail Chaney Woodall<sup>3</sup>

### CREATIVE MEDIA INDUSTRIES

Daniel Vassilievich Alvarez Fedyaev  
Jackson Tucker Bruce  
Dean Adam Contreras  
Brian Thomas Price Crane  
Joshua Austin Ermis<sup>1</sup>  
Justin Peter Hernandez  
Emily Hope Jolly  
Ross Wayman Joseph  
Lauren Elizabeth Kandel<sup>2</sup>  
John Patrick Karika<sup>3</sup>  
Zaiyan Khan  
Keenan Khater  
Alyson Dawn Kimple  
Alex Joseph Landenberger  
Symone Letrice Portley  
Christopher Michael Williams  
Rian Alexandria Wilson

### DIGITAL MEDIA AND PROFESSIONAL COMMUNICATION

Halle Elizabeth Bauer  
Cierra Anna Bower  
Jonathan Grant Burk<sup>3</sup>  
Aileen Giron  
Erin Donna Graham  
Alexander Matos<sup>2</sup>  
Mackenzie Sky Munnerlyn  
William Winton Roberds III<sup>3</sup>  
Antonio Jaemin Segovia  
Garrrick Miles Ulibarri  
*2nd Major: Advertising*

### JOURNALISM

Taylor Nicole Locke

### MEDIA STRATEGIES

Janeth Balandran  
Benjamin Hunter Best  
Dylan Bonner  
Brayden Dale Glass  
Brendan Cade Ruff  
Laura Lane Summers  
Dylan Wyly

### PUBLIC RELATIONS AND STRATEGIC COMMUNICATION MANAGEMENT

Sawyer Danielle Choate  
Lauren Nicole Garza<sup>1</sup>  
Brendan Alexander Hendrickson  
Emma Renee Hutchinson  
Rylie Marie Jasien  
Ellen Kathleen Kennedy  
Taylor Marie Kreiss  
Isabella Luciano  
Jessica Ann Merrill  
Serena Antonietta Newton  
Sabrina Marie Pedroza  
Kaitlin Arlene Rossnagel  
Matthew James Teter  
Kharlottie Grace Urschel  
Grace Anne Wilkins<sup>1</sup>

## UNIVERSITY STUDIES

### BACHELOR OF ARTS

#### HUMAN RESOURCE DEVELOPMENT

Amy Beal<sup>1</sup>  
Joshua Nathan Stathis  
Ja Net Michelé Walker-O'Haver

#### UNIVERSITY STUDIES

Abraham Adeyinka Adedolapo  
Paul Osose Adeya-Martins  
Addison Joanne Allard  
Cooper Allen<sup>3</sup>  
Omar Khaled Awad  
Jihna Bellows<sup>2</sup>  
Joseph Brent Bennett  
Bailey Renee Berry  
Amanda L. Cadle<sup>1</sup>  
Luke A. Carlile  
Ashley Denise Chevalier  
Madeline Alexandria Cortez  
Monica Rae Dejesus  
Gillian Fitz<sup>1</sup>  
Tyler M. Fowler  
Allison Paige Gilbert  
Ledisi I. Gimah  
Kimberly Lanelle Hasty  
Nicole Danielle Heffner  
Matthew J. Hensley  
Tyler Douglas Hoernig  
Jessica Lynn Holeman  
Anthony Blake Innmon  
Briaunna Nicole Jackson  
Alli R. Jordan  
Drew R. Justice

## UNDERGRADUATE CANDIDATES

Caton Robert Keinast  
Michael Reese Kennedy  
JaCoyia Moore Kinney  
Carter Matthew Krowski  
Parker Dale Lee  
Jazmaine Lewis  
Gregg Robinson Lister<sup>2</sup>  
Gabrielle Lynn Lomas  
Nehemiah Xavier Martinez<sup>3</sup>  
Derek Cole McNabb  
Ryan Patrick Mellen  
Nicholas Allen Moore  
Timothy Lam Nguyen  
Jay Tracy Nichols  
Grant Currington Phillips  
Mariya Polishchuk<sup>2</sup>  
Clayton Wells Price  
Arthur James Quigley  
Tayler Jayd Ramos  
Robert Christian Raney  
Peter Richardson  
Melissa Ridgely  
Cole Travis Robertson  
Elisabeth Quilantan Rodriguez  
Juanita Rodriguez-Contreras<sup>3</sup>  
Jackson Cade Sepeda<sup>2</sup>  
Taylor Paige Shepard  
Conner James Smith  
Lyndee Jo Mei Stamps<sup>1</sup>  
Delores Vela

Gavin Ray Wallace  
Wyatt Bryce Watson  
Hayden Joseph Welte  
Caylin Elaine Wilkey-Falcon  
Trelynn Otis Williams  
Jonathan Wayne Williams  
D'maurian I. Williams  
Bradley Pearce Young  
Kora Lear Young

### BACHELOR OF SCIENCE

#### LEADERSHIP STUDIES

Jervell DeVaughan Campbell-Walker  
Chloe Chadwick<sup>3</sup>  
Abigail Lorenza Franco  
Loree Ann Pounds  
Christopher J. Soto  
Matthew Paul Talley  
Brooke Amber Vasquez

## J.T. & MARGARET TALKINGTON COLLEGE OF VISUAL & PERFORMING ARTS

### BACHELOR OF ARTS

#### DANCE

Shanna Nicole Hare<sup>3</sup>

#### MUSIC

Emily Kaytaz  
Natali Martinez

#### THEATRE ARTS

Anika Marie Adames<sup>3</sup>  
Emily Kate Kilgore

### BACHELOR OF FINE ARTS

#### ART

Tanner Martin Turbyfill

#### THEATRE ARTS

Margaret Elizabeth Hannan

### BACHELOR OF MUSIC

Casey Contreras  
Ryan Matthew Drone  
Peyton Michael Forsythe  
Erick Israel Valle

## COLLEGE BANNERS

The banners displayed at Texas Tech University commencement ceremonies are patterned on military, political, and trade guild insignia that date back to the Middle Ages and beyond. Known as gonfalons, they most closely resemble the flags created by Italian city states before and during the Renaissance. The Texas Tech University flags were individually designed to display symbols and colors that represent the areas of interest of each unit.

The **Faculty Banner** displays the university colors, red with black, and features the university seal encircled by the words “Seal of Texas Tech University.” The seal was designed by William



Ward Watkin, the original campus master planner, in 1924. The shield is a black escutcheon quartered by a red cross, on which are arrayed 10 cotton bolls, symbolic of the importance of cotton to West Texas and representing

Lubbock County and the nine surrounding cotton-producing counties. These symbols also reflect one of the original missions of Texas Technological College: “To provide students with a thorough education in textiles and technical engineering.” The shield features emblems that evoke the university, community, state and nation. In the upper-left quadrant, a book symbolizes religion and academic traditions. A star in the upper-right corner stands for the Lone Star State of Texas. In the lower left a key represents home, and in the lower right the lamp of knowledge indicates the primary mission of Texas Tech University: “To develop and advance knowledge.” Above the shield, an eagle, the national bird of the United States, spreads its wings. Mindful of the claims of all these constituencies, the faculty of the university create, transmit, and preserve knowledge.

The **Davis College of Agricultural Sciences & Natural Resources** is proud to be unveiling a new banner design in



by maize, the intercollegiate color for the agricultural disciplines. The placement of the maize indicates the foundational nature of our college as one of the four founding schools of Texas Tech. In the center of the banner is a globe flanked by stalks of wheat reflecting the global scope of modern agriculture and natural resources management. The new banner was designed by Maeley Herring and Tristin Campbell.

The **Huckabee College of Architecture** at Texas Tech University originated as



the Department of Architectural Engineering within the College of Engineering in 1927. In 1968, this department became the College of Architecture and moved into its current building on campus. In November 2022, the College of Architecture was renamed Huckabee College of Architecture and a new banner was created. The banner now reflects the new college name, the Double T logo, and a classic black and red theme. The banner was designed by the TTU Office of Communications & Marketing.

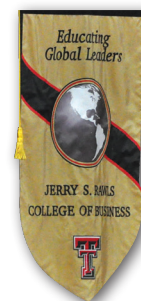
The blue background color of the **College of Education** banner reflects the



light blue color designated for education by the Intercollegiate Code and is also seen in the velvet border of education master's and doctoral hoods and doctoral gowns. The upper area of the banner carries a school building encircled

by the words “College of Education” and “Scholarship, Leadership, Service” to represent the primary roles of the college as a unit dedicated to preparing teachers and furthering educational scholarship, leadership, and service. The Double T logo appears at the bottom of the banner.

The **Jerry S. Rawls College of Business Administration** banner was designed through a collaborative effort of the staff



in the college's Undergraduate Services Center. The background color of the banner is drab. The central image on the banner is a map of the world centered on Lubbock with the Texas Tech University Double T symbol rising from a focal point in the South Plains.

The banner symbolizes the impact of globalization in the modern business environment.

The **College of Arts & Sciences** banner was redesigned in 2014 by Randy Lacy, unit coordinator in the college. Crafted



with classical typography and bold lines, the banner replaces the previous college seal with the famous Double T logo. The red and black colors appropriately represent the largest and most diverse college in the university.

The **Graduate School** banner is blue. Imposed on this background is a white circle within a light blue one. These



circles contain the image of a golden open book and a burning lamp. The open book symbolizes knowledge and the lamp represents a light by which to study. The banner was designed by the late Associate Dean Thomas Langford and

Ms. Beth Cain, who was a Graduate School staff member and artist for many years.

The banner of the **Edward E. Whitacre, Jr. College of Engineering** features the seal of the college set on a field of orange, the academic color for engineering.



The seal of the college, inspired by a 2009 design by chemical engineering student Unwana Essien, is encircled with a border of red, white, and black, symbolizing the spirit of Texas Tech University and the Red Raiders.

The two stars represent the ethical duty of engineers to themselves and society. The four symbols in the center of the seal stand for the foundations of engineering:

- The light bulb, surrounded by a ribbon and questions, represents the inspiration of engineers to answer questions and solve problems.
- The square and globe represent the engineer's work as building blocks for the world.
- The hammer and screwdriver represent the practical application of the engineer's work.
- The atomic figure surrounding the beaker represents the confluence of math, science, and technology in the mind of the engineer.

The **Honors College** banner features a sky blue field onto which is placed a silhouette of one of the Administration Building bell towers in dark blue.



Superimposed on the silhouette is the Honors College emblem in gold: an open book that transforms into a bird taking flight. This symbol represents how learning stimulates human creativity. At the bottom of the banner are the words in gold: "University Honors College."

The **College of Human Sciences** banner was redesigned in 2016 and adapted



from an original design by former faculty member Dr. Ben Goh. The design depicts an adult, an adolescent, and a child. The diversity of faces and ages represents the families and communities served by the college in its mission to improve

and enhance human lives through teaching, research, and outreach. The image of the globe represents the goal of not only serving the lives of those in the local community but also connecting with the global community.



The **College of Media & Communication** banner illustrates waves of information emanating from a single point—one voice heard by many. The banner is white with a crimson background framing waves of information

reaching the public. Crimson is the color assigned by the Intercollegiate Code to journalism, the common core subject area of the college. The white field represents honesty, decency, and purity. Beneath the crimson is the name of the college.

The banner for **University Studies** exhibits the colors of Texas Tech with a red background trimmed in black.



The focus of the banner is the silhouette of the Administration Building's bell tower, which is an iconic symbol of Texas Tech. Just as the university is comprised of many parts, University Studies integrates multiple programs from colleges across the university. The traditional Double T placed in a window of the tower signifies the

future that awaits students who complete these programs in preparation for successful careers.

The **J.T. & Margaret Talkington College of Visual & Performing Arts** banner is designed to represent the three



schools that make up the college. The abstract design inspires intellectual skill, artistic ability, and creative thinking, representing the students emerging from the college. Subtle shapes hint at lines in reading music, sound

waves for theatre and dance, and line and shape to include the arts. Chloe Walser, an artist, graphic designer, and graduate from the School of Art, designed the banner for her commencement ceremony in May 2022.

The symbols on the **Texas Tech University Libraries'** banner reinforce the idea that the Library is the center of knowledge on campus. As such, it is the guardian and giver of knowledge and information. The key in the foreground



of the banner symbolizes the Libraries' role as guardian and safe keeper of all ideas. In the not too distant past, knowledge was considered sacred or something that was best kept locked away, thus the symbolism

of the key. The flames symbolize the Libraries' other and equally important role as the giver of knowledge, providing access to wisdom. For centuries, the use of fire was believed to be man's first step on the path to civilization; one characteristic of fire is its ability to spread, which represents the Library's role as purveyor of knowledge. The colors of the flames symbolize the three broad branches of knowledge; scarlet for humanities, gold for sciences, and the purple flame for social sciences.

## ACADEMIC DRESS AND PROCESSION



**MASTER'S ROBE:** Velvet facing around the neck corresponds to color representing the field of study; hood lining represents the colors of the institution that conferred the degree.



**DOCTORAL ROBE:** Velvet facing on front of robe and three bars on sleeve correspond to color representing the field of study; hood lining represents the colors of the institution that conferred the degree.

Wearing academic dress at commencement ceremonies dates from the early history of the oldest universities created during the twelfth and thirteenth centuries. Because educated people were almost always of the clergy, the black gown is an adaptation of the “cope,” a long mantle or cloak of silk or other cloth worn by church dignitaries in processions and on other occasions. The long gown and cowl (similar to the academic hood of today) were worn by priests and monks for warmth in the cold medieval buildings.

In the early centuries, a great diversity of color and style of cap, gown, and hood appeared in different universities of Europe. The European custom of wearing academic dress was later introduced at American colleges. Not until after 1895 was a uniform academic code of dress adopted by most U.S. colleges and universities. Today, the black robe, hood, and cap are worn at most institutions of higher learning. Some institutions have authorized doctoral gowns in colors other than the customary black.

The gowns used in American academic ceremonies vary according to the highest degree awarded to the wearer. Usually the bachelor's robe has long pointed sleeves and the master's has oblong sleeves, square at the end with a slit at the elbow. The doctoral gown is a more elaborate robe faced down the front with velvet and across the bell-shaped sleeves with three bars of velvet. The velvet facing and bars may be of the color distinctive to the field of study.

The doctoral hood has side panels and is slightly longer than the one worn for the master's degree. The color used in the velvet border of the hood indicates the field of study. The velvet border is widest on the doctor's hood, and the colors of the lining indicate the college or university that conferred the degree.

For example, those who have received advanced degrees from Texas Tech University wear hoods lined with red and black.

The Oxford—the so-called mortarboard—is black and has a long tassel fastened to the center. The tassel is usually worn with the pendant over the left front of the cap. Different colored tassels are often worn on the bachelor's and master's caps to indicate the type of degree. The tassel on the cap of the doctoral candidate, except for professional degrees, is either gold or black. The doctoral degree holders may also wear the velvet tam with a gold tassel.

Candidates for the undergraduate degree will wear the tassel on the right side of the cap at commencement. After the degrees have been conferred, baccalaureate degree recipients will turn the tassel to the left side of the cap, thus showing that they are now graduates. Those graduates who have the official Texas Tech Alumni Association class ring are invited to turn their rings at this time.

Candidates wearing red cords have earned the Latin designations of cum laude, magna cum laude or summa cum laude based on a minimum 3.5 cumulative grade point average. Candidates wearing kite-shaped medallions are Honors College graduates earning a minimum of 24 hours of Honors coursework. Medallions with red ribbons indicate a notation of “With Honors” (non-thesis) and gold ribbons indicating a notation of “With Highest Honors” (thesis).

Phi Beta Kappa students may wear their membership key as well as the society's dark blue honor stole and/or pink and blue honor cords. Members of Phi Kappa Phi, Mortar Board, and other honor societies may likewise display their societies' medallions and honor cords. Texas Tech University has five university-wide honoraries: Golden Key, Mortar Board, Omicron Delta Kappa, Phi Beta Kappa, and Phi Kappa Phi.

## COLORS REPRESENTING FIELDS OF STUDY

The following is a list of colors established by the Intercollegiate Code representing departments of learning and fields of study:

Maize | Agriculture  
Blue-Violet | Architecture  
White | Arts, Letters and Humanities  
Drab | Business Administration  
Lilac | Dentistry  
Copper | Economics  
Light Blue | Education  
Orange | Engineering  
Brown | Fine Arts  
Russet | Forestry  
Maroon | Human Sciences  
Crimson | Journalism  
Purple | Law  
Lemon | Library Science  
Green | Medicine  
Pink | Music  
Apricot | Nursing  
Silver Gray | Oratory (Speech)  
Olive Green | Pharmacy  
Dark Blue | Philosophy  
Sage Green | Physical Education  
Peacock Blue | Public Administration  
Salmon Pink | Public Health  
Gold-Yellow | Science  
Citron | Social Work  
Scarlet | Theology or Divinity  
Gray | Veterinary Science

## HONOR CORDS / MEDALLION

The following is a list of honor cords/medallions issued by colleges.

Agricultural Sciences & Natural Resources | Green  
Architecture | White and Gold  
Arts & Sciences | Royal Blue  
Business Administration | Royal Blue and Gold  
Education | Jade Green and Violet  
Engineering | Orange  
Honors | Honors Medallion  
Human Sciences | Maroon  
Media & Communication | Crimson  
University Programs | Red  
Visual & Performing Arts | Brown  
Wind Energy | Blue and Green



**UNDERGRADUATE ROBE:** A red stole displaying the Double T and seal of Texas Tech University distinguishes students receiving baccalaureate degrees. Degree candidates wearing red cords will graduate with honors designations based on a minimum 3.5 GPA.

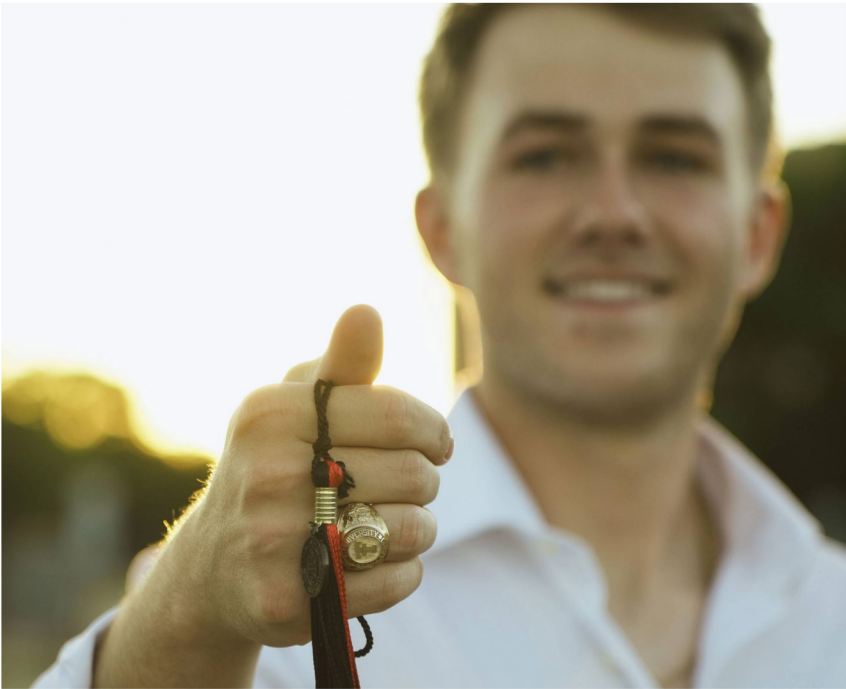
## TEXAS TECH COMMENCEMENT ANNOUNCEMENTS

### GRADUATE PHOTOGRAPHS

A professional photographer will be taking photos of graduates as they receive their diplomas. You may view and order photos online at [www.candidcolorphotography.com](http://www.candidcolorphotography.com). Click on "view proofs" and then "graduations." Images will be posted within 48 hours of the ceremony. Photographers also will be available after the ceremony for photos of friends and family with the graduates. Photographers will be located outside the arena near the north parking lot. There is no charge or obligation for having these photos taken.

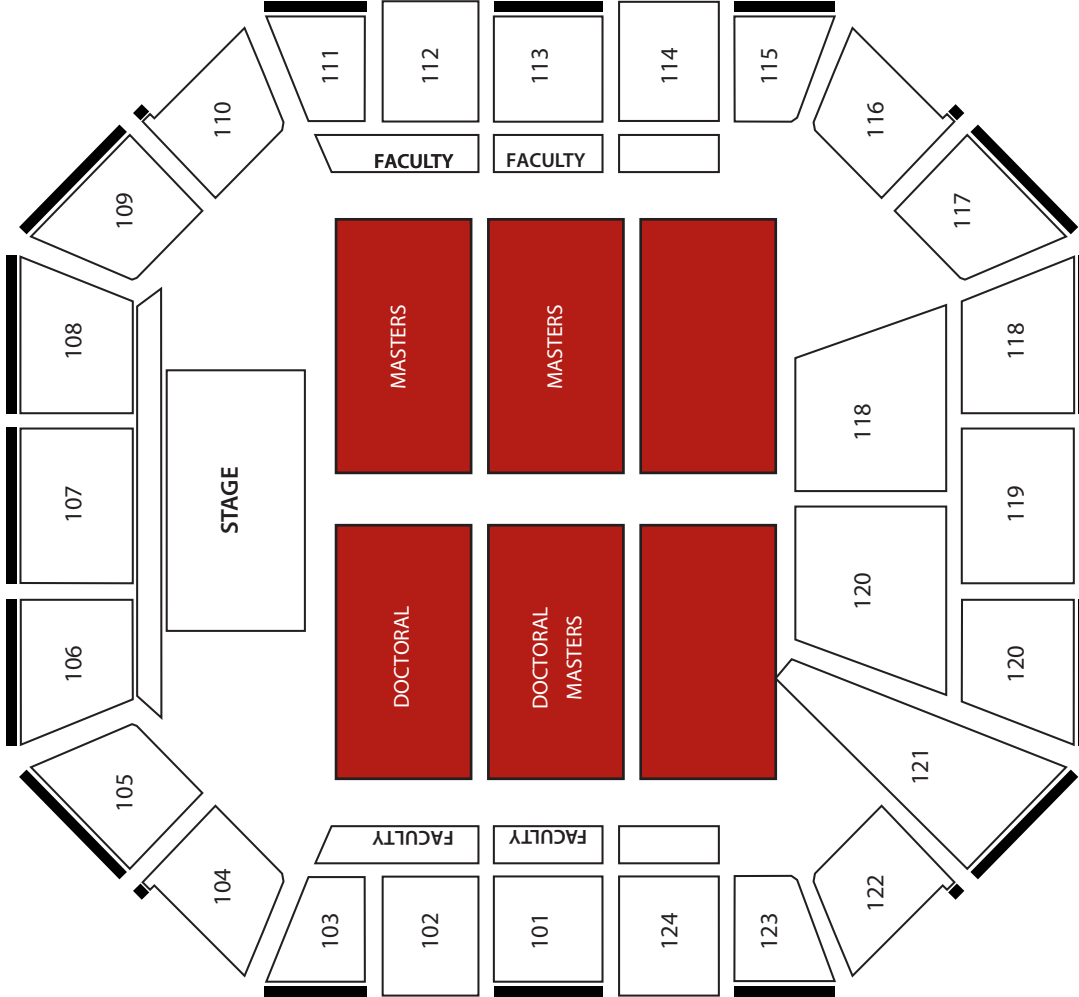
### COMMENCEMENT DVD

The Texas Tech Alumni Association encourages graduates to order a Texas Tech Commencement DVD to commemorate their achievement. The \$45 purchase also will include a one-year Texas Tech Alumni Association gift membership. This membership will help graduates stay connected to Texas Tech. To reserve a copy of today's ceremony, complete and mail an order form located at one of the tables in each corner of the concourse. Do not leave the forms on the tables. Please mail them to the address on the form. To learn more about the Alumni Association, visit [www.TexasTechAlumni.org](http://www.TexasTechAlumni.org) or call 806.742.3641.

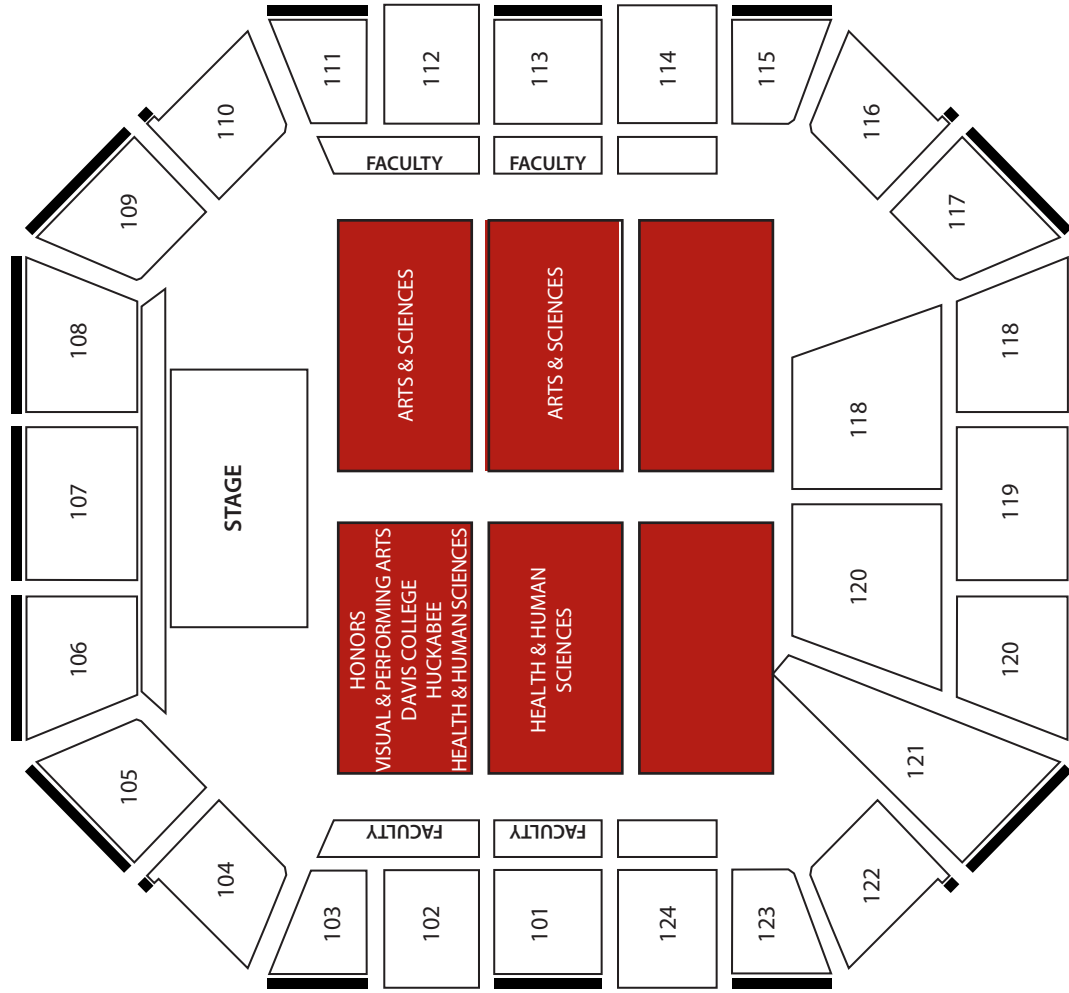




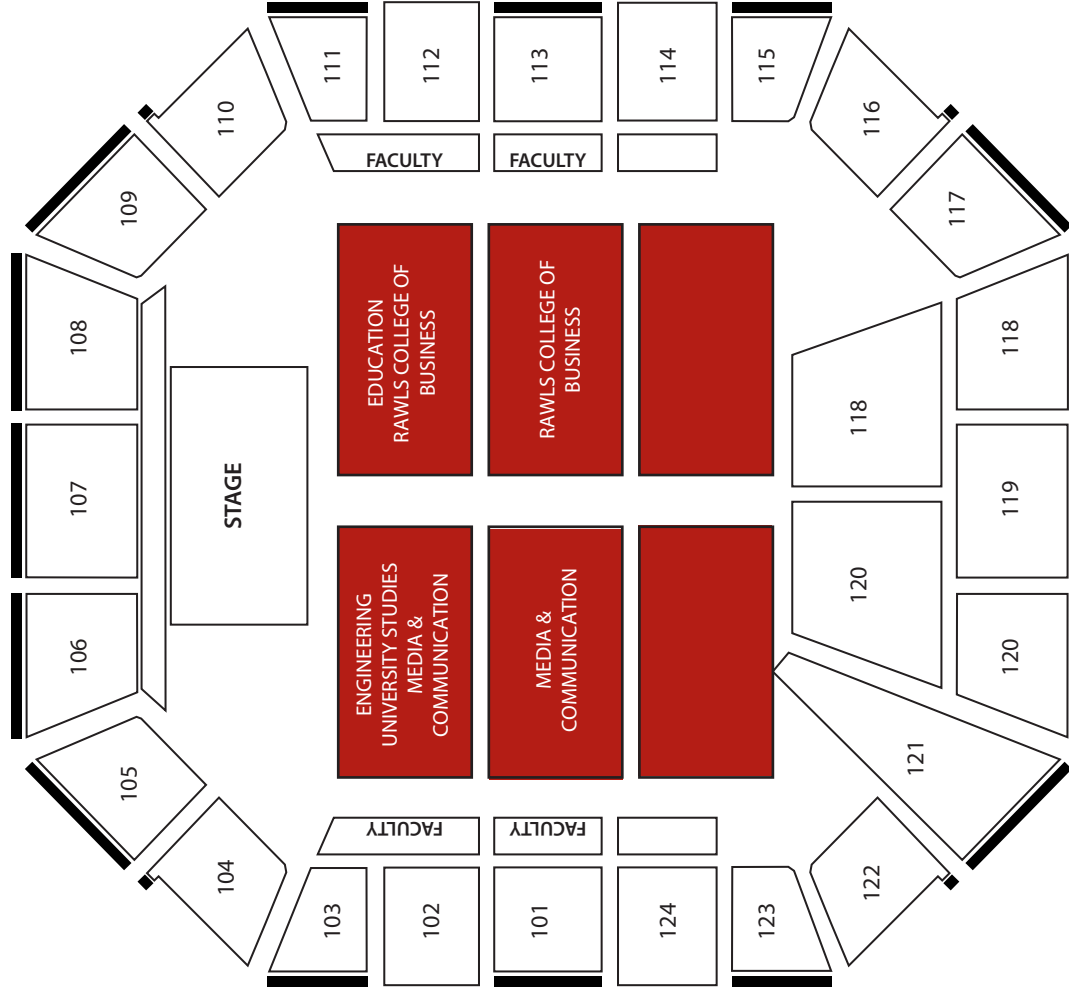
FRIDAY, AUGUST 2, 6:00 p.m.



SATURDAY, AUGUST 3, 9:00 a.m.



SATURDAY, AUGUST 3, 1:30 p.m.





# TEXAS TECH™

The first athletic teams of the university were known as the Matadors, a name that reflected the Spanish architectural influence on campus. The change from Matadors to Red Raiders occurred after a *Lubbock Avalanche-Journal* writer commented on the red uniforms and strong season of the 1932 football team, saying “the Red Raiders from Texas Tech” were the “terror of the Southwest Conference.” The name caught on and by 1936 the team was renamed the Red Raiders. No changes were ever made to the lyrics of the school song, which was penned in 1930. Page from 1936 Student Handbook courtesy of the Southwest Collection.

WORDS BY  
R. C. MARSHALL  
STUDENT 1930  
TEXAS TECH COLLEGE

## MATADORS

MUSIC BY  
HARRY LEMIAIRE  
BANDMASTER  
TEXAS TECH COLLEGE

Voice

Fight Mat-a-dors for Tech. Songs of love we'll  
sing to thee. Bear our ban-ners far and wide.  
Ev-er to be our pri-de. Fear-less cham-pions ev-er be.  
Stand on heights of vic-tor-y. Strive for hon-or  
ev-er more. Long live the Mat-a-dors