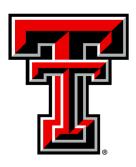


Commencement

SPRING 2020

Lubbock, Texas May 23, 2020





TEXAS TECH UNIVERSITY®

SPRING 2020

Commencement

Saturday, May 23, 2020

9:00 a.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

MICHAEL L. GALYEAN, Ph.D.

Provost and Senior Vice President; Horn Professor;

Thornton Chair in Animal and Food Sciences

BYRON KENNEDY

Vice President for University Advancement

NOEL SLOAN, J.D., CPA

Vice President for Administration & Finance, Chief Financial Officer

JOSEPH HEPPERT, Ph.D.

Vice President for Research and Innovation; Professor of Chemistry

CAROL SUMNER, Ed.D.

Chief Diversity Officer and Vice President of the Division of Diversity, Equity & Inclusion

JAMIE HANSARD

Vice President for Enrollment Management

TEXAS TECH UNIVERSITY SYSTEM CHANCELLOR / BOARD OF REGENTS

TEDD L. MITCHELL, M.D.

Chancellor,

Texas Tech University System

MR. CHRISTOPHER M. HUCKABEE

Chairman Fort Worth, Texas

MR. J. MICHAEL LEWIS

Vice Chairman Dallas, Texas

MR. MICKEY L. LONG Lubbock, Texas

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Dallas, Texas

MR. JOHN B. WALKER Houston, Texas

MR. DUSTY WOMBLE Lubbock, Texas

MR. RONNIE HAMMONDS Houston, Texas

MS. GINGER KERRICK
Webster, Texas

MR. MARK GRIFFIN Lubbock, Texas

MR. SEAN LEWIS

Detroit, Michigan

ACADEMIC OFFICERS

MARK SHERIDAN, Ph.D.

Vice Provost for Graduate and Postdoctoral Affairs; Dean, Graduate School; Professor of Biology

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

Dean, School of Law; Professor of Law

WILLIAM F. BROWN, Ph.D.

Dean, College of Agricultural Sciences & Natural Resources; Professor, Animal and Food Sciences

JIM WILLIAMSON, M.Arch.

Dean, College of Architecture; Professor of Architecture

W. BRENT LINDQUIST, Ph.D.

Dean, College of Arts & Sciences; Professor of Mathematics

MARGARET L. WILLIAMS, Ph.D.

Dean, Jerry S. Rawls College of Business Administration; Professor of Management

JESSE PEREZ MENDEZ, Ph.D.

Dean, College of Education
Professor of Education

AL SACCO, IR., Ph.D.

Dean, Edward E. Whitacre, Jr. College of Engineering; Professor of Chemical Engineering

MICHAEL SAN FRANCISCO, Ph.D.

Dean, Honors College; Professor of Biology

TIM DODD, Ph.D.

Interim Dean, College of Human Sciences; Professor of Hospitality Management

DAVID D. PERLMUTTER, Ph.D.

Dean, College of Media & Communication; Professor of Journalism and Electronic Media/Public Relations

NOEL ZAHLER, D.M.A.

Dean, J.T. & Margaret Talkington College of Visual & Performing Arts; Professor of Music

EARNSTEIN DUKES, M.L.S. Interim Dean of Libraries

PATRICK C. HUGHES, Ph.D.

Vice Provost, University Programs and Student Success: Professor of Communication Studies

ROM 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, Texas Tech opened in 1925 with six buildings, four schools (Agriculture, Engineering, Home Economics, and Liberal Arts), and an enrollment of 914. Texas Tech 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. As the only campus in Texas that is home to a major university, law school, and medical school, 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 38,000 students enrolled in its 11 colleges: Agricultural Sciences & Natural Resources, 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, and the Graduate School, as well as University Programs via the Provost's Office. The institution's goal is to enroll 40,000 students by 2020.

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. In all, the Texas Tech University System—which includes Texas Tech University, Angelo State University, Texas Tech University Health Sciences Center, and Texas Tech University Health Sciences Center at El Paso—has more than 44,000 students enrolled.



















































graduation ceremony in the spring of 1927, more than 200,000 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 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, and been watched by millions on network television news.

Not all graduates will achieve fame and fortune in equal measure, but 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.

Saturday, May 23, 2020 9:00 a.m.

Presiding Dr. Lawrence Schovanec

President, Texas Tech University

National Anthem Rebecca Wascoe-Hays, Soprano; Alice Ann Light, Mezzo soprano

Gregory Brookes, Baritone; Gerald Dolter, Bass Baritone; Hideki Isoda, Producer

School of Music

Welcoming Remarks Dr. Tedd L. Mitchell

Chancellor, Texas Tech University System

Mr. Christopher M. Huckabee

Board of Regents, Texas Tech University System

Introduction of

Commencement Speaker

Dr. Lawrence Schovanec

Commencement Address

Mr. Patrick Mahomes

Kansas City Chiefs Quarterback, Super Bowl LIV MVP

Student Speakers

Ms. Alicia Goodman

Graduating with a Doctorate in Fine Arts

Ms. Keira Eynon

Graduating with a Bachelor of Science in Human Science

Conferring of Degrees

Dr. Lawrence Schovanec

Dr. Michael Galyean

Provost and Senior Vice President

Presentation of Degree Candidates

Dr. Mark Sheridan Vice Provost for Graduate and Postdoctoral Affairs;

Dean, Graduate School

Dr. William Brown, Dean, College of Agricultural Sciences & Natural Resources

Prof. Jim Williamson, *Dean, College of Architecture* Dr. Brent Lindquist, *Dean, College of Arts & Sciences*

Dr. Margaret Williams, Dean, Jerry S. Rawls College of Business Administration

Dr. Jesse Perez Mendez Dean, College of Education

Dr. Al Sacco, Jr., Dean, Edward E. Whitacre, Jr. College of Engineering

Dr. Michael San Francisco, Dean, Honors College

Dr. Tim Dodd Interim Dean, College of Human Sciences

Dr. David Perlmutter, Dean, College of Media & Communication

Dr. Noel Zahler, Dean, J.T. & Margaret Talkington College of Visual & Performing Arts

Dr. Patrick Hughes, Vice Provost for University Programs and Student Success

(presenting University Studies and Wind Energy degrees)

Recognition of Outstanding Students Class of 2020

Dr. Michael Galyean

Charge to the Graduates

Dr. Lawrence Schovanec

Alma Mater

Ms. Anna Lynne Tesh

(Words on Back Cover)

Graduating with a Bachelor of Music

Closing of Ceremony

Saturday, May 23, 2020 9:00 a.m.

Welcoming Remarks Dr. Tedd L. Mitchell

Chancellor, Texas Tech University System

Mr. Christopher M. Huckabee

Board of Regents, Texas Tech University System

Commencement Address Mr. Patrick Mahomes

Kansas City Chiefs Quarterback, Super Bowl LIV MVP

Student Speakers Ms. Alicia Goodman

Graduating with a Doctorate in Fine Arts

Ms. Keira Eynon

Graduating with a Bachelor of Science in Human Science

Dean Message to Graduates

Dr. William Brown, Dean, College of Agricultural Sciences & Natural Resources

Prof. Jim Williamson, Dean, College of Architecture

Dr. Brent Lindquist, Dean, College of Arts & Sciences

Dr. Margaret Williams, Dean, Jerry S. Rawls College of Business Administration

Dr. Jesse Perez Mendez Dean, College of Education

Dr. Al Sacco, Jr., Dean, Edward E. Whitacre, Jr. College of Engineering

Dr. Mark Sheridan Vice Provost for Graduate and Postdoctoral Affairs; Dean, Graduate School

Dr. Michael San Francisco, Dean, Honors College

Dr. Tim Dodd Interim Dean, College of Human Sciences

Dr. David Perlmutter, Dean, College of Media & Communication

Dr. Patrick Hughes, Vice Provost for University Programs and Student Success

(presenting University Studies and Wind Energy degrees)

Dr. Noel Zahler, Dean, J.T. & Margaret Talkington College of Visual & Performing Arts

Faculty/Staff/Alumni Message to Graduates College of Agricultural Sciences & Natural Resources

College of Architecture

College of Arts & Sciences

Jerry S. Rawls College of Business Administration

College of Education

Edward E. Whitacre, Jr. College of Engineering

Graduate School

Honors College

College of Human Sciences

College of Media & Communication

University Programs and Student Success

J.T. & Margaret Talkington College of Visual & Performing Arts

COMMENCEMENT SPEAKER



y now, the rest of the sports world knows what Texas Tech fans, students, and alumni already knew.

Patrick Mahomes is special.

The record-setting quarterback who came to Texas Tech University as a dual-sport, three-star recruit is now a world champion after leading the Kansas City Chiefs to a Super Bowl championship in February. His name is now everywhere, and in his third year as a pro football player, he graces the cover of the Madden 20 video game.

From his 80-yard throws to his no-look passes, Mahomes has become one of the best players in the world, and his highlights are must-see TV on a nightly basis. Still, through all the attention and rise to stardom, he has remained the same humble, down-to-earth player who arrived in Lubbock in

It's been quite a ride for a kid from Whitehouse, Texas.

The son of former Major League Baseball pitcher Pat Mahomes, Patrick came to Texas Tech after a standout career at Whitehouse High School in both football and baseball. He did, briefly, play both sports for the Red Raiders, spending the 2015 season on the Texas Tech baseball team before deciding to give up baseball and focus on his football career.

That focus paid off. After playing in seven games as a freshman and throwing for 1,547 yards and

16 touchdowns to just four interceptions, Mahomes took over as the starting quarterback for the Red Raiders for the 2015 season and immediately lit the college football world on fire.

As a sophomore, he led the Big 12 Conference in pass completions (364), pass attempts (573), passing yards (4,653), and passing touchdowns (36). He also rushed for 456 yards and 10 touchdowns to lead the conference in all-purpose yards.

As a junior, he took the next step. He led the entire NCAA in passing yards (5,052) and total yards (5,537) while again leading the Big 12 in completions (388), attempts (591), and touchdowns (41). His playmaking ability made him one of the top selections in the 2016 NFL draft, and the Kansas City Chiefs moved up in the draft just to select him at No. 10 overall.

After sitting for his rookie season, Mahomes took over as the Chiefs' starting quarterback for 2017 and immediately sat the sports world on its ear. He picked up where he left off in college, making the pro game look easy by throwing for 5,097 yards and 50 touchdowns—both Chiefs single-season records—in leading Kansas City to the AFC Championship game. For his season, Mahomes was named the NFL Most Valuable Player.

With expectations rising, Mahomes rose as well to the challenge while also overcoming adversity. He injured his knee in the middle of the season but missed just two weeks, returning to lead the Chiefs to their fourth straight division title and a first-round bye in the playoffs. Kansas City routed Houston then avenged an earlier loss to Tennessee to reach the Super Bowl, where Mahomes led the Chiefs to 21 straight points in the final nine minutes of the game to rally for a 31-20 victory. For the effort, Mahomes was named Super Bowl MVP.

And he's just getting started.



licia M. Goodman has completed a Ph.D. in Fine Arts - Theatre Awith foci in Arts Administration and History/Theory/Criticism. Her dissertation focuses on transatlantic arts management practices, organizational behavior, and tandem management in the arts. Her research interests include theatre administration/management, arts administration education, arts advocacy, intersectional representation of gender in mass media, popular culture violence, stage combat pedagogy. She has presented her research in Scotland, Sweden, Bermuda, and around the United States. Alicia has published her research and presented peer-reviewed papers at international and national conferences. Her first co-edited anthology will be published by MacFarland & Company later this year. By day, Alicia is an academic, but, by night, she is a fight choreographer for the stage, an Advanced Actor Combatant with the Society of American Fight Directors, and an Actor Combatant with the British Academy of Stage and Screen Combat; she has over 10 years of experience in designing theatrical violence and teaching stage combat. Alicia has taught in Japan and Spain, and will begin her post-graduate career teaching at Indiana State University as a professor of Theatre Management and Administration.



reira Eynon grew up in Longview, Texas, with her loving family. She is the oldest of four siblings, and from a young age, her parents taught her little sisters, brother, and her that one should never give up and always treat and love others in a way that Jesus loves us all. Keira was in a fatal car wreck on May 31, 2014, that killed her Dad and brother and almost killed her too. She had to learn how to cope with that trauma and also how to live again. It was not easy by any means, but by the grace of God, hard work, determination, and work ethic, she did it! Keira was accepted into Texas Tech University in 2017 and now is graduating in three years and with honors despite the traumatic brain injury she received from the car wreck. Keira wouldn't be the woman she is today if it were not for her amazing family, friends, and of course, Jesus Christ. To everyone who has been a part of her journey, thank you. When asked to leave a word of advice to fellow Red Raiders, Keira said, "No matter what life brings your way, never give up and always know you are capable and strong and can do this." Wreck 'Em Tech!

CONVOCATIONS COMMITTEE

Dr. Courtney D. Gibson, Chair

Dr. Marcus Tanner, Co-Chair

Mr. Ian Barba

Ms. Shelley Barba

Mr. Jacob M. Baum

Mr. Jordan Bell

Dr. Shane Blum

Dr. Rhonda Boros

Dr. Valerie Borum

Dr. Alec Cattell

Ms. Luciana C. Cavazos

Dr. Julie Chang

Dr. Danny Choi

Mr. Don Collier

Dr. Fanni Coward

Dr. John A. Dawson

Dr. Audra Day

Ms. Esther De Leon

Ms. Amiee Dixon

Prof. Genevieve Durham

Dr. Nadia Flores

Ms. Jordan Frierson

Dr. Kristi Gaines

Dr. Michael Giesselmann

Ms. Maggie Gilchrest

Ms. Sarah Hatley

Mr. Ben Haugland

Dr. Vijay Hegde

Ms. Laura Heinz

Dr. Annette Hernandez

Ms. Markicia Horton

Mr. Nate Imai

Dr. Catherine Jai Mr. Jesse Jou

Mr. Jesse Joi

Ms. Jessica Kirschner

Dr. Belinda Kleinhans

Dr. Erin Marie Legacey

Dr. Jonathan Marks

Dr. Barent McCool

Ms. Sheon Montgomery

Dr. Mark Moore

Mr. Damian Pantova

Dr. Michelle Pearson

Ms. Gabi Perez-Hunt

Mr. Tom Rohrig

Dr. Jhones Sarturi

Ms. Courtney Seely

Dr. Walter Smith

Ms. Stephanie Soto

Ms. Carrye Syma Mr. Jake Syma

Dr. Leslie Thompson

Dr. Susan Tomlinson

Mr. Von Venhuizen

Dr.Jian Wang

Mr. Seth Warren-Crow

Dr. Richard Watson

Dr. Lynn Whitfield

Ms. Feruzan I Williams

Ms. Heidi Winkler

Dr. Aliza Wong

Ms. Kiley Yonavich

COLLEGE READERS

College of Agricultural Sciences & Natural

Resources - Dr. Erica Irlbeck

College of Architecture - Mr. Darrick Wade

College of Arts & Sciences - Dr. Jorge Iber and

Dr. David Roach

Rawls College of Business Administration -

Mr. Derrick Ginter

College of Education - Dr. Doug Hamman

Whitacre, Jr. College of Engineering -

Dr. Ken Rainwater and

Dr. Venkatesh Uddameri

Graduate School – Dr. Tim Dallas

Honors College - Dr. Aliza Wong

College of Human Sciences -

Dr. Bill Gustafson and

Dr. Mitzi Lauderdale

College of Media & Communication -

Dr. Todd Chambers

University Programs and Wind Energy -

Dr. Marcus Tanner

Talkington College of Visual &

Performing Arts - Dr. Bill Gelber

STUDENT BANNER BEARERS

College of Agricultural Sciences & Natural

Resources - Ms. Haleigh Erramouspe

College of Architecture – Mr. Jonah Remigio

College of Arts & Sciences – Ms. Lilian Pham Rawls College of Business Administration –

Ms. Kelsey Olson

College of Education – Ms. Sarah Ennis

Whitacre, Jr. College of Engineering -

Mr. Zachary Hansen

Graduate School - Ms. Nancy Dinan

College of Human Sciences -

Ms. Mari Northcut

Honors College

Ms. Callie Renee DeWinne

Ms. Maryellen Weiser

Ms. Reagan Lowrance

College of Media & Communication -

Ms. Taylor Plate

University Programs - Mr. Matthew Goss

Talkington College of Visual &

Performing Arts - Ms. Gabrielle Walter

ADMINISTRATIVE REPRESENTATIVES

College of Agricultural Sciences & Natural Resources – Ms. Macie Williams

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. Katie Chapman

Honors College - Ms. Cheyenne Belew

College of Human Sciences –

Ms. Ashlee Brown

College of Media & Communication -

Ms. Julia Heard Witt

University Programs - Ms. Kacey Marshall

and Ms. Alyssa Wagner

Talkington College of Visual &

Performing Arts - Ms. Kathy Nordstrom

AUDIO/VISUAL TEAM

David Hougland, Associate Athletics Director /
Broadcast Services

Scott Edwards, Lead Communications

Engineer Riannon Rowley, Game Day Producer

Tanner Fowler, Student Editor

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 Spring 2020 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.

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CANDIDATES FOR MILITARY COMMISSIONS

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

David Aponik Logan Baldwin Issac Ball Joshua Ball Jordan Bosco Tanner Fleeman Joseph Franco Benjamin Frost Rhiannon Hancock Damian Hoffman Emma Pape Aaron Ramirez Nikolai Voinioff Riley Wilson Wendy Wurmstein The following students are being commissioned as Second Lieutenants in the United States Army:

Angela Contreras Nicholas Davis Robert Dillard James Geesling Neishawn King Caden Love Kristopher MacDowell Ryan Pardo RAngelica Rodriguez Matthew Thaxter Amber Thompson Bailey Walser The following student is being commissioned as a Second Lieutenant in the United States Marine Corps:

Daniel Beasley

GRADUATION HONORS

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

Flora Aleman Alissa Danielle Baldwin Ashley Barriga **Brock Garrett Boozer Barron James Bryant** Hailey Christine Buegeler Mary Katelynn Butler Kylee Marie Dacy Braden Jon David Darrow Benjamin Charles Donet Jacey Snapp DuBois Sarah Elizabeth Ennis Haleigh Marie Erramouspe Kristina Maria Flematti Brooke Ann Galvan Victoria Garcia

Matthew Goss Zachary James Hansen Monica Claire Haugen Maeley Jo Herring Joseph Franklin Hinnant Linh Huynh Garrett Robert Jenkins Trevor Johnson Amar Nilesh Kalidas Brian Alexander Kueck Patrick James Leland Lars Austin Lindgren Lane G. MacDougall Eslam Mohamed Mahfud El Zuwawi Zachary A. Mason Kimberley Jeanne McGlone

Meg Mary Meliet
Adrian Matthew Miller
Matthew Richard Monroe
Arusha Rehan Herath Mudiyanselage
Mi Nguyen Kieu Nguyen
Kelsey Camille Olson
Thomas H. Petruy
Floyd Andrew Pirtle
Taylor Shea Plate
Jeyson Keith Price
Micah Rainey
Claudia Elizabeth Ramirez Martinez
Brenda Lynn Reimer
Amy Elizabeth Reed
Clarisa Rios

Cylie Michelle Mebane

Lauren N. Robertson
Justin Jerome Rosenthal
Rachel Suzanne Saucier
Kashley Anna Rozina Seitz
Akash Chandra Sharma
Abigail E. Sosebee
Ella Dane Staskavage
Sean Michael Szalczer
Brandon W. Trout
Chidera Grant Ugwu
Gilbert M. Valenzuela
Whitney Ann Wheeler
Bailey Ann Wilson
Elizabeth Ann Zepper

CANDIDATES FOR GRADUATE DEGREES

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

EDUCATIONAL LEADERSHIP

Kelly K. Avritt

Dissertation: Military-connected Students: A Multiple Case Study on the Challenges of Mobility and Success in Mathematics Major Professor: Fernando Valle

David L. Finley

Dissertation: Creating Relevance in an Era of School Choice: An Action Research Study of a Change Framework for Public School Districts Major Professor: Joseph G. Claudet

Gabriel H. Gillespie

Dissertation: Building Instructional Capacity in Urban Classrooms: A Design Development Study of Middle School Instruction and Individualized Teacher Coaching

Major Professor: Joseph G. Claudet

Dana Foust-Green

Dissertation: The Impact of Targeted Professional Development for Word Study Lessons to Improve Writing in Grades K-2 Major Professor: Joseph G. Claudet

Stacy Gwenn Johnson

Heather R. Newman

Dissertation: Data-driven Decision Making for Differentiated Instruction

Major Professor: Joseph G. Claudet

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Dissertation: Dual Language Program Implementation: A Design Study to Leverage Leadership, Professional Development, and Professional Learning Communities when Fostering Change Major Professor: Joseph G. Claudet

Julie A. Sims

Dissertation: Building Teacher Efficacy: Transformative Self Reflection as a Tool for Teacher Growth

Major Professor: Joseph G. Claudet

Dewayne T. Wilkins

Dissertation: Addressing the Impact of Professional Learning Communities on Culturally Relevant Teaching in a Rural K-12 School Major Professor: Joseph G. Claudet

HIGHER EDUCATION ADMINISTRATION

Lindsey A. Douglas

Dissertation: Male Nursing Students' Motivations for Entering, Exiting, or Remaining in a Community College Associate Degree Nursing Program Major Professor: Stephanie J. Jones

Chester Jenke, Jr.

Dissertation: Workforce Training Processes: Perceptions of Community College Workforce Development Administrators of their Community Partnerships

Major Professor: Stephanie J. Jones

Fidelis Ngang

Dissertation: African American Male Students' Perceptions About the Influence of a Minority Male Initiative Program on Persistence and Completion at a Community College Major Professor: Stephanie J. Jones

Tian Qin

Dissertation: Brazilian International Student College Experiences after a Partnership High School Program: A Single Institution Case Study Major Professor: Jon McNaughtan

INSTRUCTIONAL TECHNOLOGY

Cristina Diordieva

Dissertation: Instructional Strategies and Challenges for Language-based Massive Open Online Courses (L-MOOC): An International Investigation

Major Professor: Daniel Kelly

DOCTOR OF MUSICAL ARTS

Jonathon E. Barranco

Dissertation: Rhetoric, Poetics, and Choice in the Cantiones Sacrae of Heinrich Schutz

Major Professor: John Hollins

Raquel Faye Bruening

Dissertation: Music Theory Fundamentals: A Workbook for Clarinetists in the Private Lesson Setting

Major Professor: David Shea

Nicole E. Cherry

Dissertation: George Augustus Polgreen Bridgetower: Beethoven's "African Prince" and His Contribution to the Nineteenth Century Classical Music Cannon

Major Professor: Annie Chalex-Boyle

Robert O. Devet

Dissertation: MISSA Commemorationis Omnium Fidelium Defunctorum with Analysis and Discussion of Text Setting in Masses for the Dead Major Professor: Peter H. Fischer

Alex Joseph Hyde

Dissertation: Expanding Vision: The Music of Alyssa Morris Major Professor: Amy Anderson

Catalin Patricia Iacob

Dissertation: Elements of Romanian Folkloric Music Traditions and Narrativity in George Enescu's "Romanian Rhapsody Op. 11, No. 1" and Bela Bartok's "Romanian Folk Dances SZ. 56" Major Professor: William Westney

Philip Wayne Ledgerwood

Dissertation: Musicianship from Day One: A Sequence for Teaching Music Theory to Suzuki Violin Students of All Levels Major Professor: John Gilbert

Nathanel Donald Moe

Dissertation: The Development of the Brass Band Movement in North America: An Analysis of the Structure, History, and Condition of Active British-style Brass Bands Major Professor: Andrew Stetson

Elisa Montoya Sanchez

Dissertation: A Guideline for Students to be Better Prepared when Pursuing a Career as a Clarinet College Professor, Clarinet Orchestral Player, or Soloist

Major Professor: David Shea

Matthew Shawn Oneill

Dissertation: A Pedagogical Manual of Freeimprovisation Games and Pieces for Teaching Music

Major Professor: Jennifer Jolley

Lingxu Peng

Dissertation: Thoughts on Fear (and Joy) in The Piano Studio, and Implications for Teachers Major Professor: William Westney

Jorge Arnulfo Ramos Fernandez

Dissertation: A Performance Guide to Three Representative Electroacoustic Piano Works by Mario Davidovsky, Dan VanHassel and Peter Van Zandt Lane.

Major Professor: William Westney

Orlando Ruiz, Jr.

Dissertation: Exploring Roberto Sierra's Rapsodia for Solo Trumpet and wind Ensemble: A Musical Analysis and Performers Perspectives Major Professor: Andrew Stetson

Neemias Silva Santos

Dissertation: Considerations in Analyzing and Creating an Edition of Two Late Twentiethcentury Pieces for Solo Cello: Claudio Santoro's "Fantasia Sul America (1983)" and Ernst Widmer's "Cosmofonia 2 (1987)".

Major Professor: Jeffery Lastrapes

Andrew Charles Schoen

Dissertation: Aaron Copland's Piano Variations: Adaptation for Large Saxophone Ensemble and Considerations for Performance Major Professor: David Dees

Shayna Allyson Tayloe

Dissertation: The Revival of the Golden Age: A Psychoacoustic Analysis of the Evolution of Musical Theatre Singing Styles

Major Professor: Gregory Brookes

Brooke Elizabeth Trapp

Dissertation: Jazz Pedagogy for the Classical Piano Teacher: Introducing Jazz to Beginning and Intermediate-level Students Major Professor: Carla Davis Cash

Yue Zhao

Dissertation: Eastern Exoticism in Western Music: An Examination of Uyghur Folk Songs' Influence in Brahms' Zigeunerlieder Op. 103 Major Professor: Gregory Brookes

DOCTOR OF PHILOSOPHY

AGRICULTURAL AND APPLIED **ECONOMICS**

Yi Chen

Dissertation: Essays on Economic Feasibility of Irrigation Systems in Cotton Production Major Professor: Phillip Neil Johnson

Blessing Ngozi Ugwuanyi

Dissertation: Essays on Trade and Domestic Farm Polices

Major Professor: Ryan Williams

AGRICULTURAL COMMUNICATION AND EDUCATION

Cara Raeschelle Lawson

Dissertation: The Media's Influence on Public Perceptions and Attitudes Toward the Rural Opioid **Epidemic**

Major Professor: Courtney Meyers

ANIMAL SCIENCE

Tosha L. Opheim

Dissertation: The Effects of a Novel Direct-fed Microbial on Animal Performance and Carcass Characteristics of Feedlot Cattle Major Professor: Markus F. Miller

Martha Marin Siegel

Dissertation: Readiness to Implement the "Food Safety Modernization Act" at Packinghouses and Produce Processors

Major Professor: Leslie Thompson

Philip Michael Urso

Dissertation: Evaluation of Zinc Methionine and Chromium Supplementation on Rumen Parameters, Amino Acid Uptake, Performance, and Carcass Characteristics in Beef Steers Major Professor: Bradley Johnson

Kelly Rose Vierck

Dissertation: Post-harvest Influences on Beef Flavor Development and Tenderness Major Professor: Jerrad Legako

Hailey Nicole Wooten

Dissertation: Glucocorticoid Receptor Agonist (GRA): A Potential Alternative to In-feed Antibiotics for Newly Weaned Pigs Major Professor: Anoosh Rakhshandeh

BIOLOGY

Moamen Mahmoud Mohammed Elmassry

Dissertation: Pathogenesis of Pseudomonas aeruginosa During Bacteremia: Influence of Trauma Major Professor: Michael J. San Francisco

Sarah Elizabeth Fumagalli

Dissertation: The Evolution of Cooperation Between Unrelated Individuals in Small Groups Major Professor: Sean H. Rice

Kholoud Zaki G Ghanem

Dissertation: Bed Design as a Management Tool Affecting Soil Microbial Dynamics, Community Structure, and Soil Sustainability in a Dryland Cotton Production System Major Professor: John Charles Zak

Laramie Louise Lindsey

Dissertation: Utilizing Genomic Applications to Examine Patterns of Diversification in Deermice (Rodentia: Cricetidae: Peromyscus) Major Professor: Robert Bradley

Md Rakib Hasan Rashel

Dissertation: Influence of Water Quality and Climate Variables on Growth of the Harmful Alga, Prymnesium parvum

Major Professor: Reynaldo Patino

Emma K. Roberts

Dissertation: Molecular Evolution and Phylogenetic Importance of a Gamete Recognition Gene Zan Reveals a Unique Contribution to Mammalian Speciation

Major Professor: Robert Bradley

BUSINESS ADMINISTRATION

Sharier Azim Khan

Dissertation: Two Essays in Corporate Finance Major Professor: Brett W. Myers

Kshitij Bhoumik

Dissertation: An Approach to Develop Brand Association Networks Using Parity/Difference Maps: Implications for Brand Management Strategies Major Professor: Mayukh Dass

Casey Ann Camors

Dissertation: An Assessment: City Finance Director Characteristics and Monitoring Mechanisms in Relation to Fiscal Performance and Audit Timeliness for Small and Medium-sized Cities Major Professor: Andrea Romi

Danielle Gant Booker

Dissertation: Blurred Lines: How Firm-level Messaging Impacts Awareness of Cultural Differences During Review of Component Auditors' Work Major Professor: Yi-Jing Wu

Md Tarique Newaz

Dissertation: Implications of the Evolution of Social Network Platforms (SNPs) for Marketing: Two Essays

Major Professor: Mayukh Dass

Chunhao Xu

Dissertation: Chief Information Officer Characteristics and Management Forecast Quality Major Professor: Derek Oler

CHEMICAL ENGINEERING

Md Shamim Ahmmed

Dissertation: Microfluidic Investigation of the Mechanics of Cancer Cells and Vesicles Major Professor: Siva A Vanapalli

Zachary T. Fondren

Dissertation: Thermodynamics and Kinetics of Phase Changes in Energetic Materials Major Professor: Brandon L. Weeks

Pouria Nourian

Dissertation: Application of Probe Rheology Simulation Technique in Rheological Characterization of Soft Matter

Major Professor: Rajesh Shrikant Khare

CHEMISTRY

Xue Dong

Dissertation: The Developments and Applications of LC-MS Based Quantitative Methods for Glycomics

Major Professor: Yehia Mechref

Mohammad Nazmul Hasan Khan

Dissertation: Understanding the Structural Dynamics of Metallo-β-lactamase, Cystatin Related Epididymal Spermatogenic (CRES) Protein, and Bacterial Inwardly Rectifying Potassium Channel (KirBac1.1) by NMR Major Professor: Benjamin J. Wylie

Neill Kim

Dissertation: Tropane Alkaloid Biosynthesis in Erythroxylum coca Involves an Atypical Type III Polyketide Synthase

Major Professor: Michael Latham

Ankit Pandey

Dissertation: Crystal: An Algorithm to Find and Plug "Holes" in Potential Energy Surfaces Major Professor: William Poirier

Yun Zhou

Dissertation: Studies of Microfluidics for Cell Separation and Analysis Major Professor: Dimitrios S. Pappas

CIVIL ENGINEERING

Saeed Moradi

Dissertation: RecovUS: An Agent-based Model of Post-disaster Household Recovery Major Professor: Ali Nejat

CLINICAL PSYCHOLOGY

Elissa H. Dougherty

Dissertation: An Examination of Adoptive and Fictive Kinship Female Caregivers' Acceptance/ Rejection, Adolescent Early Maladaptive Schemas, and Adolescent Symptoms of Depression Major Professor: Catherine C. Epkins

COMPUTER SCIENCE

Akalanka Bandara Mailewa Dissanayaka Mohottalalage

Dissertation: Secure Big Data Analytic Framework with MongoDB and Linux Containers

Major Professor: Susan Mengel

Richard Matovu

Dissertation: Power Usage, Motion Sensor and Neural Side-channels on Mobile Devices: Examining Attacks and Countermeasures Major Professor: Abdul Serwadda

COUNSELOR EDUCATION

Sarah Ann Dingus

Dissertation: Combat to Community College: Combat Veterans and their Transitional Experiences into Community College Major Professor: Bret Hendricks

Katye R. Galloway-Clark

Dissertation: Perspectives of Protective and Mental Health Service Providers: Exploring the Connection of Child Abuse to Adult Mental Health Major Professor: Charles Crews

Shih Han Huang

Dissertation: Intersectional Effects of Racial Colorblindness, Attributions of Poverty, and Multicultural Training on Counselor Trainees' Multicultural Counseling Competencies

Major Professor: Aretha F. Marbley

Fric Morris Rosen

Dissertation: Clinical Outcomes in Child Welfare Mental Health

Major Professor: Bret Hendricks

COUPLE, MARRIAGE, AND FAMILY THERAPY

Tetiana Sukach

Dissertation: Mindfulness-informed Conflict Process in Romantic Relationships: A Grounded Theory of the Female's Perspective Major Professor: Stephen Fife

William N. Young

Dissertation: Understanding the Experiences of Endurance Athletes: A Phenomenological Study Major Professor: Thomas Kimball

CURRICULUM AND INSTRUCTION

Margaret Rose Colicchio

Dissertation: The Consequences of Using the Impact Cycle as a Coaching Model on Science Teacher Use of Literacy Strategies and Science Teacher Self Efficacy

Major Professor: Walter Scott Smith

Julia G. Cuevas-Guerra

Dissertation: The Effects of the Practice-based Coaching Model in Emerging Biliteracy Instruction: A Descriptive Case Study of Early Head Start Mentor Coaches and Caregivers

Major Professor: Julie Smit

Brett S. Dooley

Dissertation: International Collaborations for Education (I.C.E.) AGE Project and Global Mindedness: How Participation in an International Collaboration Affects Global Mindedness as Compared with Domestic Collaborations Major Professor: Walter Scott Smith

Michelle D. Douglass

Dissertation: Examining Teacher Global Citizenship through the Lens of Bandura's Triadic Reciprocity

Major Professor: Doug Hamman

Carolanne Russell Grogan

Dissertation: Teaching Evolution in the Deep South: A Mixed Methods Study of the Teachers' Practices for Evolution and the Influence of State Standards, Personal Beliefs, and Challenges to Teaching Evolution

Major Professor: Rebecca Hite

Rhonda Elaine Harmond

Dissertation: Gamification in a High School Biology Classroom: A Look at Motivation and Content Knowledge

Major Professor: Shirley Matteson

Katherine Street Hoover

Dissertation: Pro-environmental Behaviors in Adolescents: An Exploration of the Influence of Childhood Experiences in Nature on the Environmental Stewardship of High School Students Major Professor: Jian Wang

Lee Kenneth Jones

Dissertation: Students' Perceptions of Scientists in Career Aspirations

Major Professor: Rebecca Hite

Tarah Linnette McDonald

Dissertation: The Relevance of Science Education (ROSE): Middle Adolescent Students' Interests, Experiences and Attitudes Towards Science in The Bahamas

Major Professor: Rebecca Hite

Jennifer A. Morrison

Dissertation: We are Cultivating the Cherokee Language: Stories of Language Renewal from the Cherokee Nation's Cherokee Master/Apprentice Program

Major Professor: Jeong Hee Kim

Serife Turan

Dissertation: STEM Pre-Service teachers' Experiences of Implementation of the 5E Instructional Model: A Meta-synthesis of Literature Major Professor: Shirley Matteson

Richard Carlos Limtuatco Velasco

Dissertation: Voices for STEM Education: Analyzing Advocacy Activities of American K-12 STEM Teachers

Major Professor: Rebecca Hite

ECONOMICS

Anurud Kumara Wijerathne Rankoth Gedara

Dissertation: Essays in Routine Employments and
Optimal Monetary Policies

Major Professor: Xiaohan Ma

EDUCATIONAL LEADERSHIP

Angela Lynn Smetana

Dissertation: Transformative Responsiveness and School Leadership: A Mixed-method Approach Toward Closing Academic Achievement Gaps Major Professor: Fernando Valle

EDUCATIONAL PSYCHOLOGY

Xi Chen

Dissertation: Effects of Scaffolding in Note-taking on Students' Learning Outcomes in an Online Environment

Major Professor: William Lan

Yvette Cortino

Dissertation: School Psychologists Self-efficacy Beliefs: Quality Professional Development, School-based Functional Behavior Assessment (FBA), and Job Satisfaction Major Professor: Tara Stevens

Brian Patrick Kelly

Dissertation: Evaluating a Functional Behavioral Assessment Training Package for School-based Evaluators

Major Professor: Tara Stevens

Esteban Montenegro Montenegro

Dissertation: Improving the Guidelines to Conduct Multigroup Invariance Test in Bayesian SEM Major Professor: Todd Little

ELECTRICAL ENGINEERING

Avisek Maitv

Dissertation: Development of Highly Sensitive Hexagonal Boron Nitride Thermal Neutron Detectors

Major Professors: Hongxing Jiang and Jingyu Lin

ENGLISH

Nancy Wayson Dinan

Dissertation: In the Deep Heart's Core: A Novel Major Professor: Catherine Nicolle Cortese

Jasmine Vashti Bailey Epstein

Dissertation: Mysteries Major Professor: John Poch

Kate Osana Simonian

Dissertation: The Cry of the Narcissist: A Novel Major Professor: Catherine Nicolle Cortese

Jessica Elizabeth Smith

Dissertation: Manhandled Major Professor: Curtis Bauer

William R. Taylor

Dissertation: Underground Wrestling Alliance Major Professor: Leslie Jill Patterson

ENVIRONMENTAL TOXICOLOGY

Olushola Moses Awoyemi

Dissertation: Trophic-level Interactive Effects of Stoichiometric Nutrient Modulation and Heavy Metal Exposure in Algae and Daphnia Major Professor: Gregory Mayer

Fenggian Chen

Dissertation: Enabling in vivo Signaling Analyses via Chemical Genetics and Nanoparticle-mediated Probe Delivery

Major Professor: Degeng Wang

FAMILY AND CONSUMER SCIENCE EDUCATION

Jodi Ihnen Gonzalez

Dissertation: College to Career Transition- Social Capital Network Analysis and Comparison of First-generation and Continuing-generation College Students

Major Professor: Karen Alexander

Latoya Nikkole Johnson

Dissertation: Exploring the Self Efficacy of Family and Consumer Sciences Teachers Who Teach Food Science as a Science Credit Major Professor: Karen Alexander

FINE ARTS

Alicia Madeline Goodman

Dissertation: Diagnosing Organizational, Financial and Programmatic Dysfunction in a Nonprofit Theatre: A Case Study

Major Professor: Mark Charney

John C. Iverson

Dissertation: Performative Counter-memory: A Foucaultian-based Theory of Dramatic Disclosure Analysis for Verbatim Theatre

Rose Winter Phong

Dissertation: Beyond the Audience: Creating

Major Professor: Dorothy Chansky

Effective Engagement Strategies for Students on the Spectrum in the Theatre Classroom Major Professor: Andrew Gibb

Ashley Danielle Sawatzke

Dissertation: Adaptation, Translation, and Localization: Exploring the Potential of Intralingual Translations

Major Professor: Dorothy Chansky

GEOSCIENCES

Ethan Lee Backus

Dissertation: Using Trace Element Geochemistry of Carbonate Minerals to Track Metamorphic Processes: Case Studies from the Castner Marble, Texas and the Thermal Aureole of Ballachulish Igneous Complex, Scotland

Major Professor: Callum J. Hetherington

HIGHER EDUCATION RESEARCH

Brooke M. Depue

Dissertation: Rational Choice Theory Applied to Higher Education Loans and Post Graduate Employment: A Quantitative Study Major Professor: Jonathan Lyman McNaughtan

HISTORY

Karen L. Milmine

Dissertation: Worms, Wounds, and Ecstasy: The Spiritual Disability of Catherine of Siena, Rita of Cascia, and Lucia Brocadelli Major Professor: John Mcdonald Howe

HOSPITALITY ADMINISTRATION

Matthew Bauman

Dissertation: Who is the Wine Enthusiast? A Modeling Approach

Major Professor: Natalia Velikova

HUMAN DEVELOPMENT AND FAMILY STUDIES

Jeanne Esther Fyall Cardenas

Dissertation: Social Support from Childcare Providers and Maternal Well-being: Finding Relationships that Matter

Major Professor: Malinda J. Colwell

Phuona Hoana Le

Dissertation: Computational Thinking: An Exploratory Study

Major Professor: Elizabeth Trejos-Castillo

Darla Diane Wittie

Dissertation: Bedtime Strategies Parents Use with their Children and their Effectiveness Major Professor: Yvonne Caldera

INDUSTRIAL ENGINEERING

Srikumar Krishnamoorthy

Dissertation: Development of a Biofabrication System for the Fabrication of Viable Cell-laden Tissue Constructs

Major Professor: Changxue Xu

Mohammadhossein Saeedi

Dissertation: Developing a Predictive Model of Schedule Estimates for Pre-construction Activities of Transportation Projects Major Professor: Milton L. Smith

MATHEMATICS

Lale Asik

Dissertation: Environmental Variations in Stoichiometric Predator-Prev Models Major Professor: Angela Peace

MECHANICAL ENGINEERING

Elliot N. Geikowsky Ramirez

Dissertation: A New Generation of Nature Inspired Micro Fibrillar Adhesive Structures with Improved Anisotropic Adhesion Performance Major Professor: Burak Aksak

Michael Nkainmbi Bello

Dissertation: Altering Surface Chemistry and Mechanical Properties of Aluminum Nanoparticles to Enhance Reactivity Major Professor: Michelle Pantoya

MEDIA AND COMMUNICATION

Vladimir Santiago Arias Sanchez

Dissertation: The Power of Icons: An Eye Tracking Evidence

Major Professor: Zijian Harrison Gong

Duncan Vaughan Prettyman

Dissertation: The Effects of Gender, the Sex of the Avatar, and the Salience of the Sex of the Avatar on Emotional Valence and Arousal Major Professor: Paul Bolls

Ann Henry Rodriguez

Dissertation: Selling the University During Halftime: How are University Institutionals Aired During NCAA Telecasts Framed in Order to Appeal to Targeted Fans? Major Professor: Shannon Bichard

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Jonathan Anthony Villarreal

Dissertation: On Jump Scares, Enjoyment, and the Dimensional Theory of Emotion: A Media Psychophysiology Approach to Enjoyment of Horror Video Games

Major Professor: Paul Bolls

Stephanie Nicole Williams Turkowski

Dissertation: More than Mouse Ears: Creative Disney Fan Identity and Consumption Major Professor: Robert Peaslee

MUSIC EDUCATION

Hanna Lee

Dissertation: The Effects of Seven Gestural Conditions on Perceptual and Acoustic Measures of Choral Resonance

Major Professor: Janice Killian

NUTRITIONAL SCIENCES

Kalhara Rashmikumara Menikdiwela

Dissertation: Mechanisms Linking Adipocyte Renin Angiotensin System to Obesity, Inflammation, and Endoplasmic Reticulum Stress Major Professor: Naima Moustaid-Moussa

Shasika Harshani Jayarathne Udahawatte Gedara

Dissertation: Mechanisms of Effects of Tart Cherry in Obesity, Inflammation and Aging Major Professor: Naima Moustaid-Moussa

PERSONAL FINANCIAL PLANNING

Preston David Cherry

Dissertation: Personality Traits and Financial Risks Among Older Americans: Living Too Long, Dying Too Early, and Living Too Sick Major Professor: Christopher Browning

Christopher E. Crouch

Dissertation: Three Essays on Health Risks of Retirement and Correlates of Retirement Satisfaction Major Professor: Charlene Kalenkoski

Reem Hussein

Dissertation: Three Essays on End-of-Life Planning Major Professor: Russell James

PETROLEUM ENGINEERING

Saleh A. Ahmed

Dissertation: Investigating Effects of the Ball Configuration on the Gas Throughput Using Partially Curved and Wholly Curved Seat Designs Major Professor: Lloyd Heinze

Mahdi Ramezanian

Dissertation: An Experimental Study to Investigate the Effect of Temperature and Pressure on a Modified Design of Gravel Packing with Oil Swelling Rubber Particles and Unconventional **Rock Properties**

Major Professor: Hossein Emadi

PHYSICS

Kavitha Arur

Dissertation: Black Hole Binaries in our Galaxy: Understanding their Population and Rapid X-ray

Major Professor: Thomas Joseph Maccarone

Paul Nicholas Bennet

Dissertation: Detecting Low Surface Brightness Dwarfs in the Big Data Era

Major Professor: Thomas Joseph Maccarone

Hira Farooq

Dissertation: Scanning Diffracted-light Microscopy (SDLM)

Major Professor: Luis Grave De Peralta

Jigesh Rameshchandra Patel

Dissertation: Effects of Anesthesia on Cell Membrane Fluidity and Supersaturation of Sterols

Major Professor: Juyang Huang

Ceren Uzun

Dissertation: Optical, Thermal and Crystallization Characteristics of Metallic Glasses Major Professor: Ayrton Bernussi

PLANT AND SOIL SCIENCE

Autumn Danielle Acree

Dissertation: Contemporary Advancements in Soil Characterization: Geochemical, Morphological, and Spectroscopic Approaches Major Professor: David Christian Weindorf

Joao Paulo Saraiva Morais

Dissertation: Effects of Trash and Processing on Cotton Fiber Quality Measurements Major Professor: Eric Hequet

SPANISH

Cheryl R. Maqueda

Dissertation: Heritage and L2 Writing Processes in Individual and Collaborative Digital Storytelling Major Professor: Idoia Elola

SYSTEMS AND ENGINEERING MANAGEMENT

Ali Y. Kissai

Dissertation: A Navigation Flight Trajectory Optimization Model for UAVs Operating in the Polar Regions

Major Professor: Milton Smith

TECHNICAL COMMUNICATION AND RHETORIC

Nicholas Andrew Carrington

Dissertation: Using UX/UCD Methods to Create A Content Strategy

Major Professor: Brian Still

WILDLIFE, AQUATIC, AND WILDLANDS SCIENCE AND MANAGEMENT

Kelbi Delaune Trotter

Dissertation: Aquatic Biodiversity in the Pecos River: Investigating Threats, Resources, and New Monitoring Methods Major Professors: Allison Pease and

Matthew Barnes

MASTER OF ARCHITECTURE

Lean Hatim A. Fathi Cassady Jae Fredriksen Diego Gonzalez Alvidrez Lauren Hunter Peter Joseph Johnson Sawyer Jeanette Desire Kaumeyer **Taylor Marlow Lancaster** Pedro Jesus Martinez Marisol Martinez Juan Marciano Moya Oscar Olvera Rosalie Perez Margaret Elaine Ragain **Andres Rafael Ramos**

MASTER OF ARTS

ANTHROPOLOGY

Frank Blair Armstrong

Richard Zamorano

Thesis: Conflict in the Nueces Canyon: Archaeological Investigations of the Military Road Site

COMMUNICATION STUDIES

Opeyemi Ajibiike Aladesuyi

Sarah Cathry Majeo Dweik

Thesis: The Rhetorical Failure of Visualizing Palestine's "Uprooted: Olive Harvest" Online Infographic and The Seventieth Anniversary of the Nakba as a Site of Resistance and Remembrance

Brenda Elizabeth Fisher

Thesis: Art, Bodies, and Cultural Struggle as Political within "This Is America" and my Experience of "Becoming" as a Mexican Immigrant in America: A Coupling of Rhetorical and Performative Analyses Towards Understanding Marginalized Voices

Chaitra Aniruddha Kulkarni

Mattea Leigh Luckstead

Miranda Lynn McCreary

Thesis: Feminist Explorations of Modern Media: Two Case Studies

Meredith Lvn Moore

Thesis: Rhetorical Constructions of Technology within Film and Television: Savior or Enemy?

Matthew Louis Parnell

Thesis: The Rhetoric of the Political Right and White Nationalism

Meghan Marie Parsons

Thesis: PowerPoint as Visual Communication Pedagogy: Relative Differences in Eye Tracking and Aesthetic Pleasure

Jack Thomas Seymore

Thesis: Lock the Door and Let Them Carry: A Critical Rhetorical Analysis of Texas Senate Bill 11 and Texas Tech University Policies

ECONOMICS

Shijia Gao Erin Oliver

ENGLISH

Timilehin David Alake

Thesis: All the New Things We Learned to Love

Emily Elaine Barrows

Emma Kathryn Brousseau

Thesis: Kill the Cowboy

Joey Andrew Chavez

Claudia Teresa Diaz

Mykayla Fontaine

Joseph Alexander Hawkins

Thesis: Mythology of the Dark Web: Horror Inter-

net Content, The Guise of Validity, and the Danger

of Hesitation

Katherine Elizabeth Jackson

Alfonsina Maria Josefina Lago

Mitchell Pearce Milam

Thesis: Considering the Forest: Analyzing Defi-

ance and Complacency in Shakespeare's Comedies

Shelby Nicole Oubre

Thesis: Anti-Nationalism in Shakespeare and Mil-

ton: The Unresolved Crisis of Modernity

Jamie Darrell Patterson, Jr.

Catherine Michelle Ragsdale

Marcus Ivan Roberts

Steven Tarver Tucker II

Thesis: An Intelligent Animal: Humanity and

Degeneration in the Works of H.G. Wells

Yifan Zhang

EXPERIMENTAL PSYCHOLOGY

Phoenix Rochelle Crane

Thesis: Empowering the STEM Super Girls: Increasing Female Retention in STEM Fields

Through a Comic Book Intervention

HISTORY

Brandon Tyler Collins

Thesis: Proletarian Spirit, Bourgeois Pocketbook: Thomas A. Hickey and Perceptions of a Socialist

Oil Company, 1917-1925

Leah Catherine Frank

Thesis: "There is Such a Happiness in a Secret

Well Kept": The Life of a Queer Man in Twentieth

Century Massachusetts

Justin Isaiah Salgado

Thesis: Out at the Rodeo: Queer Resistance and Masculinities in the Twentieth-Century American

West

INTERDISCIPLINARY STUDIES

Lonzell Gilmore, Jr. Jacob Grace

Tara Lynn Peña

Trudy Rene Rice

Rosa Adriana Rodriguez Mark T. Stephens

LANGUAGES AND CULTURES

Mourad Abdennebi

Yayoi Akita

Sarah Alalyani

Abdullah Alelyani

Jacob Tollak Arstein

Yesenia Brambila

Lawrence Tafadzwa Chamunorwa

Maurice Santos Gonzales, Jr.

Blake Zachary Herrera

Xinyi Huang

Yamato Kitahashi

Karina Oliveira De Paula

MASS COMMUNICATIONS

Jonathan Eric Blackwell

Katherine Ann Champagne

Savannah Lee Gilbreath

Katrina Jo Anna Gonzales

William Spencer Hatton

Jacob Stanley Howle

Kyle William Kopp

Veronica Marie Medina

Thesis: I Absolutely Love It! Now Here are Some

Changes: Critique as a Tool for More Persuasive

Graphic Design

McKenzi Leigh Morris

Nina Alexandria Prince

Paloma Alexandria Rappa

Gourav Rath

Lauren Brooke Stowers

Abbey Taylor Whatley

MATHEMATICS

Victoria Allyn Dines-Shorb

Seth R. Johnson

PHILOSOPHY

Zachary Michael Crouch

Jason Steven Culmone

Jordan Matthew Mascari

Hossein Mohayeji Nasr Abadi

Ali Rezaei

Joshua David Steinberg

Thesis: Black Fire: In Praise of the Bad

Chen Wang

Siyun Xue

PSYCHOLOGY

Samantha Calhoun

Thesis: Alcohol Use, Alcohol Expectancies and Evaluations of Expectancies in Intimate Partner

Violence in a Hispanic Population

ROMANCE LANGUAGES

Kailey Jade Corpman

Thesis: Subalternity and Subversion in Senegalese

Literature and Film

James Paul Haney

Anastasia Stephanie Kenessey

Robin Elizabeth Tieperman

Thesis: ¿Cómo Està el Pablo?: Examining Definite Article Use with the Personal Proper Names in

Three Regional Varieties of Spanish

Yzabel Lyzet Vazquez

Philip David Williams

SOCIOLOGY

Md Monir Hossain

Thesis: Child Health, Poverty, and Climate Issues

in Bangladesh

FNU Kamrunnaher

Thesis: Does Access to Family Planning Services

Vary by the Educational Attainment of Women

and Their Partners?

Haleigh Megan Larkin

Thesis: Religion, Well-Being, and Stigma

Paige A. McNeil

Brianna Luz Rodriquez

Thesis: Runaway Youth: The Complexity of Family Structure and its Effects on the Decision to Leave

STRATEGIC COMMUNICATION AND INNOVATION

Richard Tyler Arnold

William B. Ashworth

Cassandra Marie Barraza

Caressa Bateman

Paige Nicole Beasley

Sharon Heather Boyd

Regina Gutierrez Calderon

Kyndal Carter

Jenny Chen

Mindali Sue Dean

Sarah Stewart Browning

Leo Flores

Lindsay Marie Hallowell

David House

Reginald Ray Johnson

Ariana Kayla Larkin

Dominique Michelle Massey

Sally Murrell

Bridget Lee O'Connell

Miranda Reyna

Milianua Reyna

Anthony Riojas Kelly Bryan Smith

Courtney Alexis Stephens

Tamara Jo Stroud

Jonah Dean Tuls Sarah Elizabeth Webb

Andrew Wood

Kayra Valeria Zamora

TECHNICAL COMMUNICATION

Katir Ann Britton

Mackenzie Taylor Caldwell

Alison Christine Haley Kirsten A. Morris

Claire Elizabeth Oldham Kimberly Grace Phillips

Taryn Michelle Seidler Sierra W. Sinor

Lancia E. Stewart

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Melissa Jov Taylor Tanner Michael Walsh Dana Laurice Wilder

MASTER OF BUSINESS ADMINISTRATION

GENERAL BUSINESS

Eleanor Browning Anderson

Wendy Anne Arnett

Hiba Bader

Erin Rose Baker

Viiav Balasekaran

Danielle Bodette

Sara Bosak-Barani

Travis Alan Boyd

Jericho Tyler Briseno-Rosas

Bria Brooks

Mallory Marin Brown

Margaret Faith Bushman

Angela Chandy

Cullen Cook

Amanda Sallie Crawford

Kamryn Elizabeth Cummings

Hannah Daniel

Joshua Andrew Day

Shawn Tyler Dequire

Matthew Norman Delmonico

Cooper Paul Deupree

Uyen Phuong Diep

Gage Hunter Dutkin

Christopher Ugwuchukwu Egbunike

Sarah Abena Frimpomaa

Chase William Robert Garrett

Thomas Gerard Gellene

David Donghee Han

Sterling Hannsz

Kevin Andrew Harmon

John Conner Haugen

Robert Bryan Ioppolo

Princy John

Karishma Kashyap

Zachry Thomas Kempf

Benjamin Ernest Kensing

Ivana Kentera

Ashutosh Kulkarni

Kvle Lagua

Marc Ian A. Limsiaco

Kavle Renae Macdowell

Shambhavi Makeswaran

Brandon John Martinek

Wesley W. McCutcheon Michael Lee Merritt

Joseph Millican

Alexandra Seline Miranda

Fernando Moncada, Jr.

Robert Tippen Montgomery

Megan Murchison

Chidinma Ofoegbu Miti V. Patel

Kishan S. Patel

Shiv M. Patel

Chandler Evan Patterson

Michael Shaun Penuliar

Justin Allan Plescha

Mathieu Prichonnet

Nandini Arunava Ray

Collin Joel Rhyne

Diego Alberto Rielo Ana Safri

Ana Laura Santana Flores

Stephan Frank Sayegh

Luyao Shi

Daniela Sotis

Matthew Thomas Streseman

Andra Sucilea

Jessica Hope Sylvia

Julie Anne Telles-Carrizales

James Brody Thomas

Renu Elizabeth Thomas

Jincy Varughese

Dolph O. Wenzel

Jessica Wilkins

MASTER OF EDUCATION

COUNSELOR EDUCATION

Cristina Acosta-Guijarro

Sarah Abigail Barton

Tory E. Cooper

Anna Claire Danko

Trinity A. Downs

Kyra Lynn Duffey

Monica Ann Gomez

Donna Jayne Granbury

Victoria M. Mccartney

Terry Don Mooney

Cassandra M. Ortiz

Haleigh Amber Coston Riza

Kaci Lee Schertz

Hunter Luke Shade

John Raymond Thomas

Cheyenna Nicole Todd

Gemma Christina Volpato Miles Jarrod Walker

Holly Kim Warren

Kallie B. Weaver

CURRICULUM AND INSTRUCTION

Kelsey Boatwright

Elizabeth Rae Botkin

Venka Andrene Duncan-Starkey

Ann Noelani Hayes Moushon

Katie DeLane Negen

Ann Sara Rajan Shelby Lea Sharpe

Karlee A. Vineyard

Educational Leadership Pedro Davila

Brittani Michele Juarez

Sara Adelaida Martinez

Kayla Leigh Ann Northcutt

Leah Osborne

Joshua Lee Pratt

Jesse Carroll Spruiell

EDUCATIONAL PSYCHOLOGY

Joel Christopher Bell

Jenny Combest

Kristi Lee Cook Tatum Alexis Ezzell

Ehsan Ghasemi

Ugochi Blessing Iwuii

Jesseca Lindse Jackson

Ariel Patrice Kirkland

Rebekah Elizabeth Miller

HIGHER EDUCATION ADMINISTRATION

Chelsea Nikole Adams

Caitlin Flaine Allen

Linda Appiah

Samuel Baur

Thesis: Community College Faculty Perceptions

of Professional Development Opportunities to Enhance the Experiences of Online Adult Degree

Completing Students

Keren Maria Blanco

Sandra Castillo

Mica Larie Curtis-Wilson

Bethany Michele Faulknor

Ikran Idris Gudal

Tyler Francis Hoenig Alexander David Kissel

Ashley Monique Kurtz

Alexis Nicole Ortiz Andrew Jean Rowe

INSTRUCTIONAL TECHNOLOGY

Linda Diane Belliveau Kaylee Elizabeth Grandage

Taylor Nicole Kohler

Paisley Jan Landry

Vincent Thomas Matej Sherilyn Lucile Willingham

SPECIAL EDUCATION

Ashlie Anne Abercrombie Allardyce

Jourdan Blair Adrian

Zahra Aly Carrie Anne Badillo

Wendi Kaye Baker

Sara Abdi Baraso Michelle Lee Betcher

Remika Anita Bowie

Emily Robins Brabo

Shannaa R. Bradley

Cheryl Marie Burgett Julia Nicole Burris

Megan Carr

Bethany Sara Castillo Anna Marie Clements

Dallas D'Anne Cooper

Michelle Christy Cross

Adriane De La Garza Kaitlan Rose Devore

Dena Marie Donnell Paige E. Dotson

Jamie Farley

Alexis Jade Favela

Hannah Elaine Riley Fowler Gloria Gonzalez Jerome Marcus Hale, Jr. Patrick Dennis Healy **Emily Hernandez** Angela Marie Howe Marlee Jackson Stori Lane Johnson Dana Caitlin Kline Colleen Marie Loutzenhiser Chelsea Lynn Maloney

Patricia Loreen Mcbride

Grace McIntosh

Erika Lorena Mercado Jamie Renay Metcalf

Tracie Lvonne Parnell

Christine Lynne Phillips

Kathryn Polizzi

Daly Elizabeth Rivas

Elizabeth Irene Robertson

Stephanie Atilano Rojas

Lauren Nicole Sammons

Ida Schmidt-Bellows

Stephanie Ann Smith

Monique Stirgus

Meghann Laurie Swenson

Amy Ellen Tangen

Sabrina Arline Thomas

Heather Mary Lightfoot Withrow

MASTER OF ENGINEERING

Jose Angel Gutierrez Mae Angeli Ranario Saguil

MASTER OF FINE ARTS

ART

Brianna Nicole Barry Rachel Kahealani Dunn Sahar Fattahi Anthea Maree Patricia Parsons Jami Raelene White

THEATRE ARTS

Ryan David Fay Kelly R. Murphey Lydia Claire McBee Reed Dashanyua S. Robinson Catherine Alexandra Webster Alec Lee Williams

MASTER OF LANDSCAPE ARCHITECTURE

Michael L. Hall

MASTER OF MUSIC

Oscar Alpuche-Sanchez Kea Joy Bealsey Levente Koppany Bordas Noah Mackenzie Bruening Briana Lyn Dunn Zhenvu Gao Jacob Allen Garcia

Jose Antonio Guzman, Jr. Claire Julia Hagen Howard Casey Keenan Joiner Bruno Lunkes Daria Miskiewicz Paul Michael Vasquez Isreal Adriano Wallauer De Mello Matthew Aaron Wimberly

MASTER OF MUSIC EDUCATION

Laura Ann Flanagan Thesis: The History of the Texas Tech University Orchestra, 1925-1964 Jennifer Rios

MASTER OF PUBLIC ADMINISTRATION

Allison Lynn Abel Xiaoou Cheng **Bradly Wayne Johnson** Nicole Keirsey Sarah Elizabeth Riggs Erik Eduardo Veliz

MASTER OF SCIENCE

AGRICULTURAL AND **APPLIED ECONOMICS**

Curtis R. Deussen

Thesis: Optimal Level of Irrigation and Fertilization for Cotton in the Southern High Plains of Texas

AGRICULTURAL COMMUNICATIONS

Jace Callen Fry Cori Jena Hancock Austin Ray Moore

Thesis: The Influence of Video Production Techniques on Expert Credibility with Rural Land Owners and Managers

Jaelyn Y. Peckman

Thesis: Exploring the Influence of the "Gluten-Free" Label Claim on Parents' Food Purchasing Decisions

Maria Yasmin Rey

Thesis: A Case Study on Reauthorizing the Supplemental Nutrition Assistance Program in the 2018 Farm Bill

Clayton Stanford

Larrah LeAnn Welp

Thesis: Influencing Creativity in Agricultural Communications: An Exploration of Influential Factors of Creativity in Agricultural Communications

AGRICULTURAL EDUCATION

Edward A. Cooper Kayla Lorraine Hughes Matthew Thomas Huston

Thesis: Determining How Livestock SAEs Impact Student Self-Efficacy in Completing Skills Associated with Animal Science

ANIMAL SCIENCE

Eduardo Cordova

Thesis: Effects of Additional Walks and Social Play on Physical Activity and Rest in Shelter Dogs Kendra Rose Dalley

William Thomas Fletcher, Jr.

Thesis: Investigation of Beef Brisket Palatability from Three USDA Quality Grades

Cole Thomas Perkins

Thesis: The Effect of Enhancement with a High-Oleic Sunflower Oil Emulsion on Product Composition, Fatty Acid Profile and Sensory Analysis, in Beef Strip Loins of Varying Quality

Alexsandra Lee Schaubhut

Thesis: Specific Gravity Device Can Predict Bovine Embryo Sex

BIOENGINEERING

Arielle Sike Efotte Indranil Sinha

BIOLOGY

Abbie Leigh Ince

Thesis: Evaluation of Gastric Lavage Methodology on Alligator Mississippiensis and Modeling Ontogeny through Differences in Community Structure of the Parasitic Nematodes in the Host's Gut

Erin Rose Kitten

Preston Joseph McDonald

Thesis: Status, Distribution, Morphology and Genetics of Sigmodon Fulviventer Dalquesti in the Chihuahuan Desert Ecoregion

Nicole Suzanne Paulat

Thesis: Examining Transposable Elements in Myotis: Distributions and Associated Mutations Jacob Windsor

Thesis: The Concept of Fitness as Used in Mathematical Models of Evolution

BIOTECHNOLOGY

Emily Kaye Blankenship Srinidhi Devarajan Anthony Xavier Diehl Bruno Federico Ivaldi Yinxue Li **Kyle Francis Merry** Varsha Ravi Daniela Serrano

CHEMISTRY

Sultan Ahmed

Thesis: GAP Chemistry and its Applications Yuxuan Yao

Thesis: Wigner Sampling, and Simulations of the Unimolecular Dissociation of the Criegee Intermediate and Intramolecular Relaxation of the N-H Bonds in Protonated Trytophan

COMPUTER SCIENCE

Sayima Afra Dheeraj Kumar Cidda Saranya Duggaraju

GRADUATE CANDIDATES

Vinay Jayachandra Reddy

Thesis: Assisting Relapse Prevention in Alcohol Addiction Using a Novel Mobile App–Based

Intervention: BeSober Chetan Karahalli Srinivasa

Jayacharan Kolla Jaturong Kongmanee Hriddhi Kulkarni

Anant Vignesh Mahadhevan Reed Macfarland Mauzy

Thesis: Parallelizing Neural Networks to Break Physical Unclonable Functions

Ashritha Puradamane Balachandra

Rakesh Ramesh Dewang Bhavesh Shah Krishna Priya Vedala

COUPLE, MARRIAGE, AND FAMILY THERAPY

Katharyn Jayne Ply

Thesis: Anxiety, Attachment, and Finances: An Actor-Partner Moderation Analysis

DATA SCIENCE

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Thomas Connor Weiss

Colin Yang

ENVIRONMENTAL TOXICOLOGY

Jessica Louise Herzog

Thesis: A Parasite Survey of Passerine Birds and Northern Bobwhite Quail (*Colinus Virginianus*) in the Rolling Plains Ecoregion

FAMILY AND CONSUMER SCIENCE EDUCATION

Juniece Kiker

FINANCE

Alfonso Ailloud Torres
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Mason R. Perkins

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Reynaldo Torres Arellano

Sanja Zivkovic

FOOD SCIENCE

Kimberly Layne Cerjan

Thesis: Evaluating the Effect of Lactic Acid Submersion on Microbiological and Organoleptic Oualities of Lamb Carcasses

Vanthana Doraiswamy

Thesis: Evaluation of Temperature and Time Incubation Methods for the Enumeration of Naturally Occurring Indicator Microorganisms in Ground Pork and Ground Beef

Jorge G. Franco Lopez

Thesis: Efficacy of Lactobacilus Salivarius (B28) to Control Foodborne Pathogens in a Variety of Matrices

FORENSIC SCIENCE

Rachel Barnard Connor Harwood Maureen Elizabeth Oliva

Thesis: Ambient Ionization Mass Spectrometry (AMS): A New Forensic Tool for Adhesive Tape Evidence Discrimination

GEOGRAPHY

Joshua Adam Reinhart

Thesis: Using Drone Mounted Multispectral Cameras to Map Fossil Sites

GEOSCIENCES

Cameron Elizabeth Ramsey

Thesis: Subsidence Analysis of the Midland Basin and Eastern Shelf of West Texas: Implications for Ancestral Rocky Mountain Timing and Deformation

HORTICULTURE SCIENCE

Elizabeth Louise Allen Iryna Andrenko

Thesis: Understanding Salinity Tolerance of Select Wildflowers Species in a Hydroponic Setting Emily A. Capule

Kurt D. Voigt

HOSPITALITY AND RETAIL MANAGEMENT

Trey Wallace Blankenship Allyson Leigh Jones Noelle Denae Jordan Vivian Anne Nguyen Karli Deanne Scott Lainey Alison Vaughn

HUMAN DEVELOPMENT AND FAMILY STUDIES

Bailey Anderson
Javla Aurielle Hea

Jayla Aurielle Head

Thesis: Relational Religiosity and Communal Coping in African American Romantic Relationships

Brooke Leann Loftis

Seowon Song

Thesis: Co-Parenting, Parenting, and Preschool Children's Adjustment

INTERDISCIPLINARY STUDIES

Teresa L. Casper Joseph Daniel Kolpin Ronald Lovell Ross, Jr. Matthew Maguire Temple Monique Yazmene Whaley-Briggs

KINESIOLOGY

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Michael Ryan Clines Chathuri Thusharika Sandamali Edirisinghe Arachchige Isanka Upul Udayanga Garli Hevage Gonapeenuwala Vithanage Rohana Kumara Vithanage Justin J. Gonzalez Shadi Lakmini Heenatigala Yuan Hu Rahnuma Islam Thesis: Random Walk of Brownian Motion in

MICROBIOLOGY

Jeanette Nicole Rimbey

Thesis: Identifying Temperature-Specific Biofilm Adaptations in Pseudomonas Aeruginosa

Summer Ketron Roark

Non-Linear System

Thesis: Expression of CD35 on Human Peripheral CD8 Positive T Lymphocytes

NUTRITION AND DIETETICS

Brett Alan Arredondo Isra N. Bashiti Taylor Nicole Brizzee Tessa Leigh Comstock Valerie Graham Summers Sarah Clark Whitten

NUTRITIONAL SCIENCES

Eduardo Abraham Gonzalez Fernandez Thesis: Prevalence of Eating Disorders and Their Association with a Previously Suffered Concussion Among Student-Athletes at a Power Five Conference University in West Texas

PERSONAL FINANCIAL PLANNING

Ammar Abdulkarim Alsaif Abigail Christian Anderson Amado Arteaga, Jr. Irving Jose Avalos Eleazar Avalos Chance Michael Azbell Jacob Brown **Kasey Cantrell** Eboni Critton-Wafer Audrey Hannah Cull Aaron Michael De La Cruz

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PHYSICS

Arvind Balasubramanian Deven Rajesh Bhakta Thesis: Multi-Messenger Study of GRBs and Their Remnants Maik Reddiger

Muhammad Bilal Siddique

PLANT AND SOIL SCIENCE

Rohan Orlando Brown Thesis: Investigating the Variability of Cotton Production in the USA Taylor Michelle Wright Thesis: Interactive Response of Cotton Varieties to Velum® Total in Field Infested with Rotylenchulus Reniformis

SPORT MANAGEMENT

Jolan Maxime François Cailleau Colten Reed Castleberry Jacob Alexander Chastine Cody Coyle Damian Tarik De Santiago Clint James Dve Megan Danielle Escobar Jonathan Ferrant Charles William Gilliard **Emily Orras** Karen Catherine Penkert **Gwenyth Isabel Puente** Taylor Layne Sinclair Harrison Hurst Wier Jessica Wilkins

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Dimuth Adeepa Gunarathne Gustinna Wadu Dananjani Madhushika Perera Madiwala Liyanage

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Joshua Bryan Haese Jordan Wagner

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Karson Lane Bartley Brandi Byrd Alexander John Gumm Boone Mansfield Lucille P. Avitia Kali Batchler **Brock Garrett Boozer** Matthew Charles Brauer Amelia Brewer **Barron James Bryant** Zyler Kade Buchanan James Thomas Caden Janikka Camenforte John Jungmin Cho **Brent Cole Evan Zachary Crowe**

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Jason Don Heavener

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Mario Lechuga

Hunter Anthony LoCascio

Clayton Malkowsky

Thelma Tatenda Manase

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Matthew James Matheny

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Reed Randall Weimer

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Nicolas Beaty Cass Yost

MASTER OF SCIENCE IN CHEMICAL ENGINEERING

Robin Emma Dupre

MASTER OF SCIENCE IN CIVIL ENGINEERING

Siddhesh Sudhir Ambure

Deepak Bhandari

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Matthew Warren Gilbert

Mynor Jacome, Jr.

Harshal Jain

Tushar Tanaji Katkar

Michelle Makovy

Paul Vincent Palomo

Kamyab Rahnama Moghadam

Harshitha Venkata Reddy

MASTER OF SCIENCE IN ELECTRICAL ENGINEERING

Laura Andrea Arce Polanco, Sr.

Sarbajit Basu

Rabindra Bhatta

Thesis: VOLTTRON Based Implementation in

Controlling the Battery Energy Storage System of

Microgrids

Jared Andrew Culpepper

Thesis: Fabrication and Packaging of 100 kV $\it Gal$

lium Arsenide Photoconductive Switches

Kevin T. Galvan

Thesis: The Creation and Simulation of a Risley

Prism Assembly

Honglin Gong

Jon Michael Gresham

Austin Tanner Hewitt

Thesis: Apparatus for Ignition Testing of Energetic

Materials

Shadguna Mutyala

Faminan Soumaila Tioro

Thesis: Crypto Modules for IoT Security

Sai Shruthi Voodari

MASTER OF SCIENCE IN ENVIRONMENTAL ENGINEERING

Amany Abu-Hijleh

Christopher Ackerman

Alyssa Acosta

Whitney Gabrielle Anderson

Taylor Clift

Bianca Rocio De La Rosa

Adam Patrick Disque

Jacob Duncan

Alyssa Heslip

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Sierra A. Keats

Jon J. McCord

Logan C. Mckee Scott Norrid

Brandon Wayne Psencik

Meghan Reiner

Emily Elizabeth Rodriguez

Kelia Rochelle Smoot

Jasmine Tran

MASTER OF SCIENCE IN INDUSTRIAL ENGINEERING

Partha Nitin Desai

Nishedh K C

Akash Kurhade

Rabab Mohamed

Omkar Suhas Phatak

Kundan Rajesh Rathi

Samarth Rajesh Shah

Siddharth Rajeshkumar Shah

Rajesh Vemavaram

MASTER OF SCIENCE IN MECHANICAL ENGINEERING

Md Anisul Islam

Thesis: Dual Color Bessel Beam Microscopy to

Measure Absolute Three Phase Contact Angle of

Microparticles

Baahir Abiodun Jinadu

Rahmatul Mahmoud

Thesis: Investigating Biomaterial Fabrication in the

Domains of 3D Food Printing and Spinal Implants

Alan Williams

Irene Jingdong Zhou

Carter Houston Brown

Hung Kai Ho

Thesis: The Effects of Upscaling Fracture Proper-

ties in Unconventional Reservoirs

Alicia Ju

Yiran Liu

Thesis: Phase Behavior Studies of Three Major

Unconventional Oil Reservoirs for Produced Gas

Injection

Victor Isioma Monye

Farzad Shirani

Thesis: Methodology to Estimate Drift Flux

Parameters Based on 3D-CFD Two-Phase Flow

Simulation

Fric Michael Stotts

MASTER OF SCIENCE IN SYSTEMS AND ENGINEERING MANAGEMENT

Ali Bakhshi

Thilo Ging

Mohamed Mustafa Abdalla Gumaa

Derek Ramirez

Francisco Torres III

MASTER OF SOCIAL WORK

Jamie Lee Allen

Victorine Fatu Bayouga

Christopher Luis Alonzo Carrillo Latecha Gaye Doggett

Whitney Helen Gregory

Averie Noel Holder

Mark Devin Keirsey

Rachel Mallia

Morshleen Mathew

Raelene Kay Pace

Tori Pena

Jaime Jose Rosales Sara Elizabeth Smith

Katerina Alexandra Tuschak

Abigail Ann Wesson

PROFESSESIONAL SCIENCE MASTER'S

ENVIRONMENTAL SUSTAINABILITY AND NATURAL RESOURCES MANAGEMENT

Jacqueline Marie Ramos

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."



TEXAS TECH UNIVERSITY
College of Agricultural Sciences & Natural Resources

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NATURAL RESOURCES MANAGEMENT Travis Ford Ausec

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Vivecka Valeria Valdez

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Craytonia LaShane Williams II



TEXAS TECH UNIVERSITY College of Arts & Sciences

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Ethan James McQuerry

2nd Major: Languages and Cultures

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Jackson Robert Neill Christian Uche Nwosu 2nd Major: Political Science

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Allen Townsend Winmill

ENGLISH

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Cheyenne Yvonne Ewing²

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Peyton Alexandrea Floyd³

2nd Major: Technical Communication

2nd Major: Technical Commi.
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Elizabeth Anne Groening²
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Javonte Dean Jones
Joy-Amal Ahmad Kurdi
Jacy Jo Mace¹

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A'lyssa-Dawn Gaylene Robbin: Adalia Gladys Schenk⁴

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Claire Alanna Smith^{1,4} Bailee Nichole Tanguma¹ 2nd Major: Psychology

Elizabeth Paige Thetford³

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Shima Shenghi Amber Jordan Thompson² Nikolai Voinoff³

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HISTORY

Temitayo Ahmed

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Morgan Irene McGuire
Grey Thomas Parochniak
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Madison Mae Piirto¹

2nd Major: Political Science
Brian Austin Romero

Brian Austin Romero Lauren Maenell Ross³ Olivia Rosemarie Rovelli³ Nicholas Ray Russell Jarod Chase Saye Luke Gordon Schlenker Leonard Franklin Sklencar Joshua Ray Slatton³ Morgan Nicole Trout² Emily Rhae Votaw¹ Sally Ann Wood

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Chancellor Kyle Stephenson Melisa Tejeda Faith Jasmine Vanderburg Alexis Desiree Washington George Loomis Youtt 2nd Major: English

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Mikah Elizabeth Joyce

Jordyn Shae Kaderka³

2nd Major: Marketing

Amar Nilesh Kalidas^{1,4}

Mark Michael Kessler

Blythe Anne Lary Ross Colton Liles

Marcus Oladapo Mabinuori

MacKenzie Morgan MacTavish

Ryan Andrew Magee

Randell Lane Major

Joel Payte Mathis

2nd Major: Information Technology

Jake Alexander McNeill

Holly Ann Mendez

Andrew Tyler Merrick

Amanda Nicole Mesch³

Quinn Lappley Miller

2nd Major: Marketing

Connor Wilson Mitchell 2nd Major: Energy Commerce

Ryan Jacob Neal

Dyllyn Gage Nelson

Danielle Grace Newmyer

Christopher Minh-Hung Nguyen, Jr.

Kelsey Camille Olson¹

Daniel William Parkhurst

Mason David Parr

Alyssa Marie Payne

Brittany Dawn Payne

Paz Alicia Perez²

Jordan Riley Peterson

2nd Major: Marketing

Brody Brian Phillips

Pedro Egidio Piccino Marafiotti³

2nd Major: Information Technology

Jasmine Jordan Placencia

Olivia Anne Poff^{3,4}

2nd Major: Marketing

Noel Porras

Lindsey Suzanne Poucher

Katherine E. Prior

Clay Douglas Rayburn

Caitlin S. Reeve³

2nd Major: Marketing Dillon Renz

Mindi Allison Rhoades^{3,4}

Blake Benjamin Riesz

2nd Major: Marketing

Andrew A. Roberts1,4 Kathryn Dawn Rodgers³

Taylor Shay Rogers

Marcos Andres Romero Mason Monroe Rupp

2nd Major: Marketing

Carson Tyler Russell³ Rachel Claire Sammann²

Francesca Sella²

Reagan Robert Shaw

Lindsay Ann Skinner³ Nathan James Smith Cody Lee Sosa² Erick Anthony Soto³ Clayton Scott Spidle Trinity Grace Surles² 2nd Major: Marketing Justin Nelson Sutherland Margaret Ryan Sutherland Holden Dawson Taylor Adrian Stephanus Terwege John Reagan Thomas Nicholas Hardin Treider Garett Hill Turner 2nd Major: Marketing Rilev Cole Vance Brooklynn Nicole VandenBerge Blake Mitchell Wallace Darrell Bennett Waller¹ Cole Christopher Welton Bryce Michael West 2nd Major: Marketing William Nicholas Whitley3

Chelsea B. Shideler

MANAGEMENT INFORMATION SYSTEMS

Angelo Mario Casaburri William C. Fuller Matthew Brady O'Donnell

Dylan Ray Williams3

Jacob Michael Williams

Marriel Elana Williams

Carter Aaron Windes

Mark Christopher Zalig

MARKETING

Alexander Charles Tierney Adams Zachary Wayne Adams 2nd Major: Management Miranda Lanette Adcock¹ Regan Sloan Agee Megan Micheyl Ainslie Brian William Anderson¹ 2nd Major: Management Arthur Phillip Avila Emmanuel Olatunji Ayoola Evelyn Baecker Robert Joseph Baker³ Lucas Xavier Balest Isaac Lester Ball² Kathryn Paige Batson³ Michael Samuel Bekele Paige Channing Benoit 2nd Degree: University Studies Brianna Caitlyn Bernal 2nd Degree: Psychology Abigail Grace Billingsley¹ **Daniel Jake Bosley**

Marissa Lynn Boyer Brandon P. Britten Marguerite Ann Buchmann Timothy T. Buffa 2nd Major: Management Jenna Leigh Butcher **Robert Lane Byars** 2nd Major: Management Kelsey Michele Campbell³ Alyssa Nicole Campos Michael Edward Chambers Bentley Morgan Chung

Sydney Ashton Bowers

Landry McKay Cox Mackenzie Rhae Crombie Matthew James Custred **Blake Daniel Dailey** Hannah Louise Dean 2nd Major: Management Rachel Elizabeth Dean^{3,4} 2nd Major: Management Eloy Henry Del Bosque Ross Alan Delahoussaye³ Arra Gale Saren Delos Santos Madeline Mary Devine Zachary Tyler Dickey Dillon L Duncan 2nd Major: Management Presleigh Blair Duncan Alyssa Lee Eppinette³ Hannah Claire Esarte Natalie Marie Evans 2nd Major: Management Robert Michael Fernandez Robert Dan Ferree Addison Allen Freeman Mayah Jo Garcia Joseph Oualline Gentry Reegan Grace George Alex Joseph Julian Gerondale Zachary Jordan Goforth Rafael Angel Granados Alexandra Elise Granhold Rebekah Suzanne Griffin Jordyn L. Groover

2nd Major: Management Michael Jay Guindi Karli Renae Hamilton³ Christine Rose Harris 2nd Major: Management

Brooke Linleigh Haskins Nicole Elizabeth Hawe **Taylor Madeline Haynes** 2nd Major: Management Jason M. Hipsher³ Callie Ann Hohenberger

2nd Major: Management Sidney Jade Honeycutt 2nd Major: Management Jacob Douglas Horton Lyndi Nicole Jackson

2nd Major: Management Joselyne Jaquez 2nd Major: Management

Blake Lee Jones Jacob Kenneth Jones Jakeb Dalton Jones 2nd Major: Management

Ty Coleman Jones Kortney Mary Klepac² Nathan Burton Kurtin Hailey Ann Laramee³ Allison Nicole Lee Jacob Sterlyn Letcher Nikki Kay Loewen¹ Pierce Clay Marschall 2nd Major: Management

Regan Cait McCune 2nd Major: Management Hannah Renee McDowell³ **Daniel James McIntire** Jett Earl Meisinger **Geoffrey Alexander Mills** Zane Jacob Mohar Jackson Paul Moody

Ashley Shea Moore **Kylee Jane Morris** Samuel Thomas Mueller Myisha Nawar Katherine Elizabeth Newell 2nd Major: Management Trevor Alan Paradoski 2nd Major: Management Austin Kline Pendleton 2nd Major: Management Parker Brian Pierce Davis Craig Quisenberry Ashleigh Nicole Ready Adrian Rios Lauren N. Robertson¹ Nicholas Daniel Rowell Justin David Santos Rachel Suzanne Saucier¹ Tyler William Self Julia Nicole Shannon² Farah Morgan Sickman Kelsey Marie Slattery² Balin Thurow Smith Zachary M. Sodolak Connor Michael Stafford Ella Dane Staskavage¹ Morgan Jamie Stone³ **Chandler Logan Summers** Nicholas Alexander Test Mikayla Nicole Van De Walle³ Jackson Marshall Visintainer Ryan Thomas Waldrop 2nd Major: Management Ryan Chandler Waller² Cody Scott Walther 2nd Major: Information Technology Ryan Byron Watt Maryellen Elizabeth Weiser^{2,4}

SUPPLY CHAIN MANAGEMENT

Ashley Nicole Anderson² Gregory Blake Barker Sarah Elizabeth Blanchard Mary Katherine Brennan³ Michael Reid Dorn Kyle Ross Duncan Karlie Marie Fitzsimmons³ Emily Grace Gough³ John David Headrick Max Ryan Johnson Stanislav Olegovich Loktionov³ Trov Lozano Mariette Ava Manuel² Parker Nicole McClellan³ Nathan Timothy McGinnis³ Mark David Noble² 2nd Major: Management Victoria Paige Pencsak 2nd Major: Management Mark J. Podowski² Dominic Andrew Schwartz³ 2nd Major: Marketing

Emily Niccole Wickman

Jacob Geer Sheppard² Peyton Robert Siler **Emary Anne Skoczlas** Connor Reese Smith Grant Donovan Smith³ Bethany Ann Vernon Oscar Bolivar Willis Kent Taylor Wohlgemuth

Sydney Kay Coleman



BACHELOR OF SCIENCE

MULTIDISCIPLINARY SCIENCE

Thomas Edward Neel Shania Smith

MULTIDISCIPLINARY STUDIES

Mackenzie Rose Allen Ashley Nicole Allison³ Regan Kay Baccus¹ Emily Marie Bacon³ Rose Elizabeth Baeza³ Kambrey Dawn Bailey Kristen Marie Barrett² Ashley Barriga¹ Ashley Blackwell Brittany Leann Borders² Nea Teresa Bramlet Esmeralda Cabrera Deja Caldwell Alyson Nadine Camber² Abigail Carroll Morgan Elizabeth Cegelski³ Lauren Claire Chance² Elizabeth Anne Chapman¹ Emily Victoria Cisneros¹ Mary Craig³ Mattison Davis Kenna Hope Dekle Courtney Durham Ann Easley Amber Dawn Eason Taylor Brianne Elliott Sarah Elizabeth Ennis¹ Macy Evans² Jennifer Elizabeth Ferguson Elisabeth Paige Fisher² Alicia Fleming Jada Lynn Ford Lauren Bethany Garbutt³ Emilio Garcia III Nicole Frances Glenn Courtney Ashlynn Gordon³ Katherine Eleanor Grady³ Cayley Celeste Guess1 Reagan Lou Hadaway² Mallory Kate Hale³ Prebble Marie Hare² Lilly Ann Hargrave Avery Isabel Harty Caroline Marie Hendricks Oleksandra Heorhiyeva² Maegan Marie Hodge³ Jordan RayAnn Holland³ Rachel Nichole Hood³ Daisv Huerta¹ Megan Denise Hulsey³

Caitlin Nicole Huriega³

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Kavla Angela Jules

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Edward E. Whitacre Jr. College *of* Engineering

BACHELOR OF SCIENCE

CHEMICAL ENGINEERING

Ramoni Olayiwola Abioye Olamikun Moyinoluwa John Adekoya³ Simbiat Olubunmi Adeyinka Charles Chibueze Adilike Amy L. Aldana Misfer Ghazi Alotaibi Andrew Kelechi Anugwom Gary Yan-Sing Au Travis Craig Austin Crystal Marie Blankenship Chandler Andrew Boyd³ Joseph Gregory Brockman¹ Kristen J. Bundscho Jonathan Joseph Casilllas 1,4 Adam Antonio Castillo 2nd Degree: Food Science

James Christopher Cook John Berry Cox Martin Junior Cruz Kirk Aaron Dailey1 Debanjolee Das Maja Katrine Estil² Ariana Fernandez Costa³ Lucio Galicia Edelmiro Alonso Garza² Elizabeth Marie Gomez^{2,5} Leonel Gomez Austin H. Harless Allen Zhenjia Ho³ Qixiang Hua Austin L. Hudson Emmanuel Ihenakwe Jr. Syed Tahsin Islam¹ Vitasta lain Caleb Aaron Jansen Woojoon Kim Nathaniel Burton Lamoureux John D. Lance⁴ Leonardo Adan Lara IV² Megan Elizabeth Lightbourn Manuella Bagoue Logbo lan A. Long³ Humberto Lopez Franco Asha Ramadhan Magasi Klaudia Andreina Mata Arquello² Dalton Montana May Joshua Sebastian Mcgill³ Miranda Lyn Meyers Zachery Reed Miller Evan Scott Morrison Godwin Chika Nnali Isioma Debora Ochia³ Timothy Oluwatemilorun Odeyomi Henry Chinedu Odibi³ Michael Harvard Chibuzo Okafor² Ellis Winston Oppong Michael Alexander Paniagua Matthew Clayton-Nelson Parker^{2,4} Harish Chandra Parvatam Viviana Monique Perez Nguyen Hoang Oanh Pham¹ Kyle A. Pinder Katlyn Marie Porter³ Amy Elizabeth Reed¹ Usman Rehan Juan Reimondo Camblor³ Katherine Lynn Ripley^{1,5} Andrea Beatriz Rosario Castro² Justin Jerome Rosenthal¹ Atif Amin Rupani Chris Cheriyan Sabu Akash Chandra Sharma¹ Jensen Gregory Skoczla Michaela Denise Smith^{2,4} Nicholas Joe Sosa Abhinav Raj Srivastava Matthew Eric Sucich Dana Nicole Thalman^{2,4} Ethan C. Thomas Juan Pedro Torres Jr. Thien Nhan Tran² Rene Troche Baez Sarah Kathryn Tutt Chidera Grant Ugwu¹ Alexis Marie Urbanovsky³ Noble Chiem Uyanwune Ana Paola Valecillos¹ Nhan Thanh Vo²

Caulen Ward³

Lauren Michelle Ward^{3,4} Sabrina Michele Watson⁴ Coleby Ray West Darrin Douglas Wilder² Tyler Barrett Williams Nathan Wheeler Wilson Nicole Isimenmen Ayomid Winter Savannah Elizabeth Witte^{2,4}

CIVIL ENGINEERING

Maedot Ketema Abebe Maziad Almutairi Johna Nicole Anthony² Zachary Scott Austin McGregor Lane Bailey Logan Christopher Baldwin Rodney James Barnes III¹ **Grant Hampton Barnes** Kobina Benning Francisco J. Borunda² Rebecca Elliott Calderon Lorenzo Cantu Evan Eric Christiansen³ Grant E. Dietrich Chris Wayne Dobbins Tunay Hugues Riza Doutrelepont³

Mauricio Estrada Lindsay Jo Galarza Alyson N. Glover Roberto Carlos Gutierrez Elizabeth M. Hall Rhiannon Eleni Hancock

Darian Sterling Hut 2nd Degree: Architecture

Michaela Jene James

Garrett Robert Jenkins^{1,4} Steven Grant Jimenez Anna Rae Kallergis² William George Kinney Clay Chandler Korthauer

George Martinez Yvette Montelongo Corev Fletcher Murray Yonatan Nega Julio I. Olvera Lopez³ Keith Opalski² Shailesh Panta Kolton Ray Piercy Katherine H. Quinlan^{2,4} Cammyl Lisette Ramirez² Kylie Nicole Rittimann³ Myriam Alondra Robledo

Cynthia Elizabeth Rodriguez² Maverick Pagaran Rubin Bishawjit Saha Sagar² 2nd Degree: Economics Steven Tanner Sands Hailey Nicole Smith Austin Jacob Spiker Reid Daniel Talley Zachary Stuart Torma^{2,4}

Noah Kyle Truelock² Kevin Donald Vogelsang **Garrett Corbin Wiese** 2nd Degree: Architecture

Barak Scott Wittlake

COMPUTER ENGINEERING

Mushfique Ahmed¹ Harry E. Allen Hunter Shane Anthony² Ifeanyichukwu Princewill Anyaeto Joshua Wavne Ball **Anthony Ray Burks** Jonah William Derrick Mohak Kant² Rohan Khadgi Seth Clifford Larson Cole Dale Lewis³ Macky Brock McWhirter Patrice Nimi Minimah Isaac Bryan Morale Rochak Pokharel² Logan Philip Quonoey Guadalupe Robledo Victoria Ashley Rodriguez Sifat E. Sanjeen Denzel Kyle Smith Tecpal Alfredo Solis Rayos Idriss Aime Tchoumi Tchana

Fulsy Theophile

Dipendra Pratap Yadav³

COMPUTER SCIENCE

Aishwarya Dhirendrakumar Anand² David James Aponik Aaron Dale Arnold³ Edmond Yves Babo Babo² Francisco Paul Baca Suhas Kumar Bacchu Bonny Barragan Timothy Richard Bell³ Michael Joseph Bishop Jr. Merran Jessica Brisbois³ **Enrique Cervantes** Roshan Chapagain N'godjigui Junior Diarrassouba²

Sarah K. Dominy Benjamin Charles Donet^{1,4} Jace Anthony Egenbacher² Lance Matthew Gable Angela Nicole Green Grant J. Hall⁴

Zachary James Hansen^{1,5}

Arusha Rehan Herath Mudiyanselage¹ Damien John Christopher Hoffman

Alex Thomas Jirovsky Terran Lyle King Chang Liu

Alec Bear Mangkharakhili Michael William McClung Alejandro Molina Hernandez Brigham Richard Muench Jeffrey Chinedum Ndimele

Ukoh Ndukwo Caden G. Norman Chigozie Andrew Nwalie Opeyemi Peter Openiyi Nicholas Christopher Paladino

Gi Young Park Pratik Paresh Patel

2nd Major: Chemical Engineering

Aaja Pathak Troy J. Peters Bharat Pokhrel³ Sabin Poudel Anton Albert Rakos Aaron Michael Ramirez Nathanael Dean Roskens³ **Brian Mattingly Rothschild**

Ricardo Ruiz³ Haroon Saeed³ Alexander Lee Schulz² Feebi Sharma

Anil Shrestha³ **Thomas James Sievers** James Anthony Sigler Deepen Silwal¹ Isaac Andrew Simpson Zachary Wade Simpson Marco Pasquale Solitro Nicholas Allan Stern^{2,4} Saeed Nadim Suleiman Michael James Taylor² Bijay Upadhyaya³ Pavlo Vorontsov³ Leidy Amal Ward Steven J. Warwick Jeremy Matthew Wenzel² Josephine Rose Willgrubs³ Stanley Yoang^{1,4} Can John Yucetas Jacob Michael Zahn Nicholas C. Zulawski

CONSTRUCTION ENGINEERING

Joshua Mofiyimfoluwa Adewunmi Colton Carter Banks Bryant Logan Booe Cody Robert Boyes Daniel F. Carvajal Russi **Edith Huerta** Angel Giovani Madrid Trevor James Marusca² Jacie Kae Mitchell Clarissa Belle Montoya Habeeb Shittu Bryan Allen Smith Bryce R. Stamp Jessica Taylor Swofford Jacob W. Trasher Thomas Reid Wiseman

ELECTRICAL ENGINEERING

Dylan J. Alvarez Ethan F. Anguiano^{3,4} Matthew Joseph Bailey Kaleb Paul Carey Aaron Bryce Carman^{1,4} David Lee Chaparro III¹ Connor Andrew Collins^{2,4} Drew Arthur Cook Jim Andrew Cook³ Jesus Abraham Corral⁴ James Michael Day Tristen E. Elliott³

Joshua Christopher Esteves Joseph Lloyd Fadely

Erickson Biete Pascoal Gabriel

Devin Edward Gearing Ryan Jeremy Gray Austin Keith Gregory Berdi Hummedov Isaac Jaramillo Christian D. Jensen Rhyan Alexandria Johnson^{2,4}

Abulo Lakew

Micah Rey Lapointe³ Lawrence Lewis Nathan Frank Lockwood Thomas G Mckay Mohammed Memish Adrian Matthew Miller¹ Noah Tate Miller

Bernislain Tchimmoe Momo Alize' Deominque Morris

Guv Martial Mouafo Soh3 Victoria A. O'Brien^{2,4} David Chimdiebube Ozoude Mary Ellen Parker Demarius Keonte Russell Tarin Elaine Scherpereel Dylan James Tarter³ Andrew R. Tiedt Yuelin Wang Grant Matthew Weitzer Joshua Ryan Williams^{3,4}

ENVIRONMENTAL ENGINEERING

Amany Abu-Hijleh Christopher Ackerman Alyssa Acosta^{3,4} Whitney Gabrielle Anderson Taylor Michael Clift^{2,4} Bianca Rocio De La Rosa Adam Patrick Disque Jacob Duncan³ Grant Joseph Goedjen Alyssa Heslip Madison Jones⁴ Sierra Ann Keats² Jon Joseph McCord Logan C. Mckee² Scott Norrid Brandon Wayne Psencik Meghan Reiner³ **Emily Elizabeth Rodriguez** Kelia Rochelle Smoot Jasmine Tran³

INDUSTRIAL ENGINEERING

Ananno Agniiit Jessica Pereira Aires Silvia Cesaltina Muatanga Azevedo Diego Barreiros Lapa Ribeiro Braulio Jorge Bravo Bessa Julia Ellis Bittner^{3,4} Roberta Caetano Lopes Braulio Joao Viegas Cardoso Mekosochukwu O. Chudy-Onwugaje Andrew Jeffrey Hoff Cohen Ivana Neyrith Fonseca Da Costa Neha Karim Durrani Folayemi Christiana Falegan Alejandra Maria Garcia Marie Danielle Gasaway Austin Jacob Gonsoulin Madelin Gonzalez Kristen Paige Hebbel³ Bryce Mara Jarrett² Jandira De Fatim Escoval Manjenje James Phillip Martinez Macy Mei McAnally Brandon James McDaniel

Peter Alexander Minca Arthur Adam Moseley Armando Gabriel Mualumene Paula Vania Kalungazidioko Pedro Kyle Matthew Pliska

David Recendez³ Logan Joseph Reyes Nazareth Rios³

2nd Degree: Mathematics

Pedro Silva Maggie Elaine Strader Ejike Richmond Uzoije Jr. Kathryn Vernon Andrew Thinh Duc Vu

Rilev Patrick Wilson

Muaz Abdulalim

Landon Kyle Brack

MECHANICAL ENGINEERING

Reagan Austin Acosta Mario Aldana Ahmed Mohammed Aldhahri² Katie Marie Alexander Parker R Anderson Dylan Saul Anselmi Penuela Marvin Alexander Ayala Jason Daniel Aylesworth Sarah Olayinka Babson John M. Barlag Roberto C. Barrera Jacob Andrew Basinger³ Ignazio Antonio Battaglia Stephen Michael Bavousett4

Benjamin Hans Brown Connor Timothy Brown^{2,4} Kwasi K. Buahin Eric Brian Burns Jacob Paul Burns Jarrett Wade Butler Jack Ryan Caden³ Justin Michael Camero Carter Hudson Cammack Joseph Ryan Carbajal Christopher William Carty Jorge Hugo Cedillo Robert Craig Chariton Grant Lee Childress² Yeung Hun Choi³ Samuel David Christensen Raimi Marin Clark^{1,4} Jackson William Cobb Seth Nicholas Comerford Christopher Omar Compean

Joshua William Cook Charles Luke Croessmann⁴ Derik Alan Cruz Karina Alejandra Cruz Benjamin Thomas Dankesreiter^{3,4} Philip Manuel De Castro

Julian Louis De Ybarrondo Aaron Waldo Dees² Antonio Delgado **Kevin Stephon Desrosiers** Thomas Wyatt Dierl Fanzhen Ding²

Bailey Samuel Dougherty Luke Sterling Drane⁴ Sang Hoang Duong Morgan Marie Eichelsdorfer

Eslam Mohamed Mahfud El Zuwawi¹ Chibueze Golden Enyinna Okeigbo³

Elijah Rhyan Espinoza¹ Luis Isai Espinoza Miguel David Espinoza Vincent Anthony Esposito Juan Everardo Esquivel

Craig J. Ewald Dominic William Farrell Tanner Eugene Fleeman Luis-Miguel Franco Kellen Shea Gallagher Alexis Nicole Gangeme Raymon Garza Jr. James Stephen Geesling Aigerim Giniyatova Jacob D. Goins

Fernando Gomez Malaver Eric M. Gonzalez Kodiak Harrison Gough **Austin Reid Grant** Austin T. Green¹ Darrin Michael Green Daniel Adam Guerra Lea Kay Gustafson^{1,} Cesar Ábraham Gutierrez³ Francisco Antonio Guzman Cover Joshua Glenn Hagler James Earl Halfmann

Abdulrahman Mohammed Hamed Dakota Sky Hart³

Jessica Lea Hartwell Muhammad Hasham Kenneth Vincent Hebert⁴ Gabriel Hernandez³ Chelsey Nicole Hieger Matthew Randall Holland Amanda Charlene Holloway Robert Cody Houdashelt Holt Matthew Huntington Claude Johan Igambas Gianni Irizarry Rivera Baahir Abiodun Jinadu Clayton Thomas Johnson Lukas Keith Johnson Robert K. Jones

Kyle John Josupait Fatoumata Mourtalla Ka³ Kyle Weston Kaspar Ryan C. Kaster⁴ Austin R. Keane Zachary Thomas Kern Kyle Joseph Kontor Hari Lamichhane Grant Mathews Laselle Mason Edison Lewis² James Jeffrey Logan Brittany Michelle Love Hung Quoc Lu Aubrie Alise Luckenbill^{3,4} Elio Rafael Lugo Chirinos¹ Isaiah Noe Marquez² Esteban Luciano Martinez

Rene Martinez Zachary A. Mason¹ Trenton Lewis Massengale Miles Steven Mcdonald Braeden Glen McMahon Brett A. McMullin Ricardo Enrique Medrano Michael Christian Mosca Victory Noah K. Moussoki

Kai Manabu Noble¹ Kevin Brayan Norman Villarreal³ Lynda Stephanie Ntangwo Feunie El Math Ofoulhast Othamot Christopher Wayne O'Neal Wesley Allen OQuin² Raphael Ortuno John Jedidiah Partin Aaron G. Peng Nicholas Shane Podany Logan Paul Prosise Darius Lael Ramirez¹ Jacob Daniel Ramirez Zachary Isaiah Ramirez Allyson Kelley Raney Adrian Adnan Rasekhi

Blake A. Redfern

Enrique Rodriquez

Ivan Rodriguez

Jehad Mohammed Nasser Saadaddin

Matthew David Sams

Ronald Eugene Sandusky

Austin Cole Schafer²

Claire Ann Schneider Susheela Ana Sharma^{1,4}

Abigail Marie Shaw

Brian Sherman

Justin Michael Shoemaker

Joshua Stuart Simmons

Micah Nicole Sims^{3,4}

2nd Degree: Mathematics

Clinton James Smith⁴

David R. Smith

Taryn Nicole Smith

Tristan Daniel Smits

Samuel J. Stephens

Grace Anne Tipton²

Jack Ryan Torrey

Zachary A. Townsend

Omar Guadalupe Tristan

Brandon W. Trout¹

Khawja Mezbah Moin Uddin³

Daniel K. Wamwiri

Jackson Whitley³

Nicholas Howard Wilhelm

Drew Ellis Wilkinson²

Paige Nicole Willman^{3,4}

Hahyung Yang

Matthew Lloyd Young³

Alan Mauricio Zarzosa Castorena²

Katelyn Gabriella Zulawski²

PETROLEUM ENGINEERING

Isaac M. Adewale

Ahmed Khaled Abdullah Al Beshari

Christian Thomas Ammon 2nd Degree: Mathematics

McKenzi Alise Blackwood³

Kamenan Hermann Sosthene Boni¹

Katrina Makenssey Brinkman

Carter Houston Brown¹

Victor Alejandro Cardozo Bellizzi³

Jesus Enrique Castellanos Torres

Christopher A. Cothran

Zachary Gaston Dana

Ednilson Malticeli Luis Domingos

Jacob L. Drurv^{1,4}

Filip Dzaferbegovic

Austin D. Eifert³

Haider H. Fadhil

Mamie Mustapha Fofana

Ehab Ashraf Ghaiad

Kiley Elizabeth Hayes

Taylor Breann Hickman

2nd Major: Mechanical Engineering

Kirby Rankin Hicks

Janzen Cooper Ilseng³

Farid Chekib Jaouhari Majewsky

Alicia Ju

Mary Kurian

2nd Major: Industrial Engineering

William Max Le Vay

Cuona Ouoc Le³

Carson F. McManus

Eddy Alexander Mercedes³

Jantzen Donald Michel³

Ahmed I. Mostafa³

Athman Amin Mubarez²

Napatsorn Nakapakorn

William T. Nolen3

Rushilkumar Virendrakumar Pandva

Alexio Phothisene

Jorge Alberto Quintana Rodriguez

Francis Torres Ramos

Sheikh Rehan²

Clay William Scott

Merielem D. Sharry³

Farzad Shirani³

2nd Major: Mechanical Engineering

Eric Michael Stotts¹

Jacob Strom

Mourlaye Traore³ Benjamin Lawrence Walters²

Guy Anatole Woumfouo¹ Salif Yeo²



BACHELOR OF ARTS

HONORS ARTS AND LETTERS

Cheyenne Grace Alexander^{3,5} Jordon Butler^{2,5}

2nd Degree: English

Lars Austin Lindgren^{1,5}

2nd Degree: Cell and Molecular Biology

Angelica Lucilla Rodriguez⁵



BACHELOR OF APPLIED ARTS AND SCIENCES

Madeline Elizabeth Rodriguez Trevor James Runyan Winkler

BACHELOR OF INTERIOR DESIGN

Briana Adams **Brooklyn Anne Bailey**

Jacob Wayne Banda

Katherine Denton Butler³

Sarah Rebecca Castaneda

Marisa Cheng

Kristi Danielle Clark²

Bailey Nichole Estes

Peyton Elizabeth Fikac³

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Kaylee Ann Polasek³

Haley Elizabeth Spoonemore

Audrey Dale Spradlin²

Olivia Dane Tremblay

Mary Elizabeth Walker Matthew Alexander Wasson

BACHELOR OF SCIENCE

COMMUNITY, FAMILY, AND **ADDICTION SCIENCES**

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EARLY CHILDCARE

Laura Renee Brubaker³

EARLY CHILDHOOD EDUCATION

Shawna Rena Balios Kailey Nicole Balke Samantha Michele Cerda

Sheyenne Suryanna Daniels

Keely Rose Dearing

Alexandria Lynn Dorzinski¹

Katelyn Arlene Fabiszewski¹ Ashley Lynn Gantenbein¹

Katelyn Marie Hawk

Jonnica Danielle Heater²

April Marie Homer¹

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Kaylyn Marie Roxburgh² Lily Elaine Snyder

Chloe Kay Stevens

Paige Elise Summers²

Aryanna Nicole Tovar-Mallon Jessica Lynn Zimmer¹

FAMILY AND CONSUMER SCIENCES EDUCATION

Oakley Jane Arave

Peyton Renee Bolz Kayla Marie Campos³

Kirklan Claire Capps

Alexis Nicole Engberg²

Debra Renae Garza Anna Rose Janczak³

Kayla Renee Phillips¹

Kristin Nicole Savidge²

Allison Lee Schaefer Debra Marie Walton

HUMAN DEVELOPMENT AND FAMILY STUDIES

Natalia Guadalupe Aguilar² Jacqueline Alvarado Aubree Zoe Arrington Makayla Marie Baeza¹ Katrina Mae Bartolome³ Amail Assefa Beimenet Carolyn Frances Bluthardt²

Lainey Ann Boyd Jillian Grace Bruskas² Ramie Anita Michelle Byers¹ Teah Samoane Carswell¹ Victoria Alyssa Castillo Sherrice Cattle

Maegan Aria Certantez Anaya Allison Christina Chaffin Darienne Layne Clinton Calleigh Alexis Cofer¹ Alexes Nicohl Corona Emma Aniek Craft

Jose Luis Cruz Mindi Lynn Denbow² Victor Manuel Duran Abby Lynn Eubank³ Brittany Skylar Fannin Rachael Elizabeth Flanagan² Kayla Savannah Garza Diana Esmeralda Gavidia²

Farah Margareth Mortel Gayahan^{1,4} Katherine Michelle Gilbert

Ethan Edward Gindt Scholastica Triporna Gomes³

Alyssa Nikole Gomez Angelica Luz Guerra Madison Ann Hanson Elizabeth Esther Hart² Connad Dael Higgins¹ Ashley Claire Hillman¹ Meghan Damaris Homen^{1,4} Kaycie Rose Howerton Emilie Jane Huber¹ Alexandria Wynn Ikard

Payton Johnson Monica Jones³ Emma Jewell Jones Brooke Bailvn Kellev³ Delaney Brooke Kerby³ Hannah Christine King Phoebe Natalia Landeros

Alexis Lopez

Sydney Jade Marchbanks Tyra Alisandra Marks³ Kathrine Iris Martin-Rodriguez

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Emily Christine Means^{1,4} Lindsay Miles³

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McKenna Kae Rothschild Caroline Elaine Sabolik1 Elizabeth Claire Sadler Abby Jo Sisson

Hannah Diane Sriram¹ Sercy Jordan Sullivan Ciera Monique Taylor

Jacob R. Taylor Jasmin Lashelle Taylor Anna Grace Thrasher

Amaris Gabrielle Tutt Michelle Renee Verbano Emily Grace Watson² Tyler Kaleigh Weathers² **Émily Jordan White** Madeline Elizabeth Wyant

HUMAN SCIENCES

Suha Tahir Abdullah⁴ Ivone Marie Allen Este Omoaluna Amhanesi Briana Setor Amuzu Paxton Suzanne Barber¹ **Kevin Davis Bartlett** Lisa Michelle Baucum Kendall Kay Billstone Esmael J. Cantu

Glinda Reagan Chapman^{1,4} Brandee Rochelle Childs Tamathy Jane Clark Lauren Nicole Clinch Danielle Alexandra Coldwell Kassandra Marie Cruz Daryl L. Dissinger, Jr.2 Donna Walkup Dockery Ashlee Nicole Donahoo¹ Megan Riley Dones Tara Nicole Dusek

Osarenomase Denzel Evbuomwan

Keira Nicole Eynon³ Rachel Zan Faris Reva Ann Florko

Rachel Nadine Jackson Fowler²

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McKenzie Dawn Kildow³ Esther Ko³ Hailee Larkins

Thomas Steven Leggett Jonathan Osberto Lemus Flores

Odaine Allex Lewis Tiffany Celeste Lopez³ **Baleigh Nicole Lopez** Louis Lopez, III Jamie Nicole Love Jacob Alexander Madrid **Brendan Martel Taylor Kate Martinez** Tommy Lee Martinez

Madisyn Payge McLellan Maja Milanovic

Caroline Mya Mitchell

Ashtyn Taylor McAda

Lauren Clare McKenzie³

Elizabeth Ann Mitchell Mercedes A. Monita Shelby Anne Nunley³ Alison Margaret O'Connor Ilwaad Ismail Omar¹ Remi Aminat Otulana Oreoluwa Maryann Oyenuga Sarina Patel

Reagan Marveen Quinn Kourtni Nicole Retzloff Robert Anthony Rinaldi³ Kathleen Ellen Roberts²

Laura Rocha

Mary Elizabeth Rosales¹ Teah Kathryn Rose Victoria Nicole Salazar Madison Jane Sansom¹ Brendon Michael Seago Angel Adolfo Segura Erin Grace Shiplett Tiffany Sierra

Keri Silen Alexa Breanne Simmons Olivia Renee Smith Melinda Solimine Deniz Soysalan Brayden Keith Stringer Kaley Nicole Switzer Carlos Quiroz Tavarez

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Fallon Grace Williams Allyssa Wilson Morgan Wynn Kelsey Yanagisawa

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Kallan Nolan Zion³

Marleigh Mason Brown¹ Peyton Cooper Crabtree³ Emily Morgan Edwards Mackenzie Faye Ellis Julia Rheann Gusoskey Abby Elizabeth McNatt Alanna Michelle Miller Kayla Jane Moore Sydnie Nicole Ozanus Bellamina Marie Prater Amber Kay Rees Jordan Ashleigh Reinken Monica Alyssa Reyes1 Jennifer Nicole Rivera Jamie Rose Dawn Roe³ Katheliine Gabrielle Silang Anna Maire Sullivan Kambra Breann Thurmon Kimberly Rae Toscano²

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George Hershel Michael III Kyle Scott Moore **Berek Sinclair Morris** Kenidy Katelin Olson Kailey Breanne Patton² Alexandria Lee Perez Kyle Anthony Perkosky Ryan Daniel Podnar Sarah Allison Porter Antonia Marie Prado Mitchell Allen Raney Kaitlyn Noel Reid Marisa Nicole Ricketts **Rawlings Rios** Vidal Christen Rosa Sienna Leann Ruiz³ Rene Radames Sharp Anita Elizabeth Smith Reagan Lynne Smith Josiah Robert Stine **Bryce Edward Tanner Dharius Elijah Timmons Daniel Scott Vickers** Hannah Capri Wehring Jennifer Re'ne Wright

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Emily Nicole Miller

Paul Gabriel Pierson Toby Mitchell Puls² Nicholas Wayne Ramirez Jacob Harrison Rogers³ Isabel Alicia Rosser Emma Kate Seymour Bianca Nicole Solano Christian Michael Staley Joshua Parker Stegall² Sophia Marie Stinnett³ Kinzie Riley Sullivan Riley Taylor Taguwa Alexandra Megan Turner Taylor Cheyenne Upchurch Isabelle M. Voor Lyndi Paige Walters Crosstopher Warnock¹ Nathaniel Emmet Weaver Cassandra Webb Whitney Ann Wheeler1 Carson Richard Wilder

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Mackenzie Marie Gerber
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Nygil C. Nettles
Ademola S. Ogunleti

Alexander Logan Olges

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Deborah Rachael Gwendolyn Boyd Amy Lynette Rush²



BACHELOR OF ARTS

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Isabella Brooke Gonzales Shawnee Marie Swann **Bailey Elizabeth Thames**

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Who's Sitting on a Horse? (And Why Is He Red?)

Will Rogers was one of the most famous entertainers in America in the 1920s and '30s, and his longtime friend, Amon Carter, was Texas Tech's first chairman of the Board of Directors. Rogers donated \$200 for the Texas Tech band to play at the football game against TCU in 1926 because he wanted people "to hear a real band." Then the cowboy humorist donated \$1,500 to buy band uniforms for the trip to Fort Worth. A few years after Rogers perished in a plane crash, Carter presented the statue of Rogers and his horse, Soapsuds, to Texas Tech. Sculpted by 18-year-old Electra Waggoner Biggs, the statue is one of four in the nation. Before every home game, the Saddle Tramps wrap "Old Will" with red crepe paper. The statue also has been wrapped in black to mourn national tragedies.





Raider Red or the Masked Rider?

Not every university wants a horse in its stadium, so Texas Tech had to find an alternate mascot prior to the 1971 football season. That was the year the school's athletic conference passed a rule that prevented taking live animals to non-home games. That also was the year Raider Red was born from the imagination of cartoonist Dirk West. Raider Red changes from boots to soft-soled shoes for basketball games, and his student persona is kept a secret as he mingles with the crowds.



The Texas Tech Class Ring

As a constant reminder of their academic achievements and the traditions of Texas Tech University, students proudly wear the official Texas Tech class ring. This bronze sculpture of the official class ring sits next to the Merket Alumni Center. Traditionally the rings are worn with the university name facing inward when the students' hands are extended. After the degree is granted on graduation day, the ring can be turned around so that the name faces outward, a symbol that the new alumnus has a Texas Tech diploma and is ready to face the world. (www.TexasTechRing.org)



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 College of Agricultural Sciences & Natural Resources was one of the four founding schools of the university in 1924. The college banner was redesigned for use in the May 2005 graduation. Dr.



Marvin Cepica, former dean of the college, developed the design with approval and input from the College Marketing Committee. The background color, maize, was established by the Intercollegiate Code to represent the agricultural disciplines.

The design, with a map of the continent of North America, reflects the global scope of modern agriculture and natural resources management.

The dimensions and proportions of the College of Architecture banner are based on the Golden Ratio creating



the Golden Rectangle, within which is the logarithmic Golden Spiral. The ancient Greeks recognized these geometries as significant and aesthetically pleasing, and architects from Vitruvius to Corbusier have used these pro-

portions as a means of design. The blue diagonal lines represent the architectural diagram, while the blue-violet fabric, the designated color for Architecture, is woven in a chevron pattern representing the complexity of digital design and fabrication. The banner was designed by David Isern and Simon Alvarez, graduates of the College.

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, Lead-

ership, 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 Programs** 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 Programs 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 black with a blue drape surmounted by a silver swathe that evokes the creative energy infused in all the arts. The top of the banner features the words "College"



of Visual & Performing Arts" in silver, linked by a dynamic red ampersand representing the merging of three departments into the college. Centered in the banner is the college's original award-winning logo designed by the Price

Group in 2002, the same year the college was founded. The logo is a circle divided into three sectors, each representing one of the three units of the college: a blue eye for the School of Art, a red lyre for the School of Music, and a golden spotlight for the School of Theatre and Dance. All three artistic icons are encased by a circular banner which reads: "Texas Tech University." The shape of the banner was selected through a student competition, and the banner was made by personnel in the Costume Shop of the Department of Theatre and Dance.

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



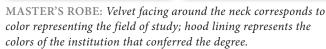
information. The key in the foreground of the banner symbolizes the Libraries' role as guardian and safe keeper of all ideas. In the not too distant past, knowledge was considered sacred or something that was best kept

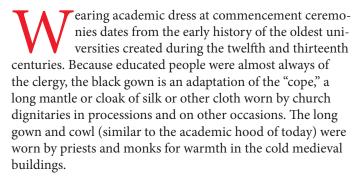
locked away, thus the symbolism of the key. The flames symbolize the Libraries' other and equally important role as the giver of knowledge, providing access to wisdom. For centuries, the use of fire was believed to be man's first step on the path to civilization; one characteristic of fire is its ability 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









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.





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.

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 University's May 2020 Virtual Commencement Ceremonies are available at http://www.ttu.edu/livestream/.







































TEXAS TECH UNIVERSITY®

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.

