SUMMER 2017 COMMENCEMENT
August 12
Lubbock, Texas
SUMMER 2017
COMMENCEMENT

Saturday, August 12, 2017
UNITED SUPERMARKETS ARENA
9:00 a.m. and 1:30 p.m.
LUBBOCK, TEXAS
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

**Noel Sloan, J.D., CPA**
Vice President for Administration and Finance;  
Chief Financial Officer

**Guy Loneragan, Ph.D.**
Interim Vice President for Research;  
Professor of Animal and Food Sciences

**Elizabeth Sharp, Ph.D.**
Interim Vice President for Diversity, Equity & Community Engagement;  
Associate Chair and Associate Professor of Human Development and Family Studies

## Texas Tech University System Chancellor / Board of Regents

**Robert Duncan, J.D.**
Chancellor,  
Texas Tech University System  
Professor of Law

**Mr. John Esparza**
Austin, Texas

**Mr. Ronnie Hammonds**
Houston, Texas

**Mr. Michael Lewis**
Dallas, Texas

**Mr. John D. Steinmetz**
Dallas, Texas

**Mr. John B. Walker**
Houston, Texas

**Mr. Jarrett Lujan**
Marfa, Texas

## Academic Officers

**Mark Sheridan, Ph.D.**
Vice Provost for Graduate and Postdoctoral Affairs;  
Dean, Graduate School;  
Professor of Biology

**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

**Scott Ridley, Ph.D.**
Dean, College of Education;  
Professor of Education

**Al Sacco, Jr., 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

**Linda C. Hoover, Ph.D.**
Dean, College of Human Sciences;  
Professor of Restaurant, Hotel, and Institutional 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

**Bella Karr Gerlich, Ph.D.**
Professor and Dean of Libraries
From Its Very Beginning

the Texas Tech University community has had a sense of destiny and an awareness of the impact it could and would have on Texas and the wider world. Originally named Texas Technological College, 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 36,000 students enrolled in its 11 colleges: Agricultural Sciences & Natural Resources, Architecture, Arts & Sciences, Jerry S. Rawls College of Business, 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.
SINCE TEXAS TECH’S FIRST 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.
COMMENCEMENT CEREMONY

9:00 a.m.

Presiding
Dr. Lawrence Schovanec
President, Texas Tech University

Processional*
Texas Tech Commencement Band
Dr. Sarah McKoin, Conductor

National Anthem
Ms. Desiray Correa
Graduating with a Bachelor of Music

Welcoming Remarks
Mr. Christopher M. Huckabee
Board of Regents, Texas Tech University System

Chancellor’s Remarks
Mr. Robert Duncan
Chancellor, Texas Tech University System

Introduction of Commencement Speaker
Dr. Lawrence Schovanec

Commencement Address
Mr. Jeffrey Lastrapes
Associate Professor of Music, Texas Tech University

Conferring of Degrees
Dr. Lawrence Schovanec
Dr. Michael Galyean
Provost and Senior Vice President

Presentation of Doctoral and Master’s Degree Candidates
Dr. Mark A. Sheridan
Vice Provost for Graduate and Postdoctoral Affairs; Dean, Graduate School

Presentation of Bachelor’s Degree Candidates
Dr. Randy McBee
Associate Dean for Faculty and Graduate Affairs, College of Arts & Sciences
Dr. Robin Lock
Vice Dean, College of Education
Dr. Amy Koerber
Interim Associate Dean of Faculty Affairs, College of Media & Communication
Dr. Steve Fraze
Interim Dean, College of Agricultural Sciences & Natural Resources
Dr. Susan Tomlinson
Assistant Dean, Honors College
Dr. Saif Haq
Associate Dean for Academics, College of Architecture

Recognition of Outstanding Students
Class of 2017
Dr. Michael Galyean

Charge to the Graduates
Dr. Lawrence Schovanec

Alma Mater
( Words on Back Cover)
Mr. Alec Lee Williams
Graduating with a Bachelor of Arts in Music

Recessional*
Texas Tech Commencement Band

* Please remain seated during the Processional and Recessional
COMMENCEMENT CEREMONY

1:30 p.m.

Presiding

Dr. Lawrence Schovanec
President, Texas Tech University

Processional*

Texas Tech Commencement Band
Dr. Sarah McKoin, Conductor

National Anthem

Ms. Desiray Correa
Graduating with a Bachelor of Music

Welcoming Remarks

Mr. J. Michael Lewis
Board of Regents, Texas Tech University System

Chancellor’s Remarks

Mr. Robert Duncan
Chancellor, Texas Tech University System

Introduction of Commencement Speaker

Dr. Lawrence Schovanec

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Mr. Jeffrey Lastrapes
Associate Professor of Music, Texas Tech University

Conferring of Degrees

Dr. Lawrence Schovanec
Dr. Michael Galyean
Provost and Senior Vice President

Presentation of Doctoral and Master’s Degree Candidates

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

Presentation of Bachelor’s Degree Candidates

Dr. Bill Pasewark
Associate Dean of Graduate Programs and Research, Jerry S. Rawls College of Business
Dr. Linda C. Hoover
Dean, College of Human Sciences
Dr. Patrick Hughes
(presenting University Studies and Wind Energy degrees)
Associate Provost, Undergraduate Education and Student Affairs
Dr. Nurcan Bac
Senior Associate Academic Dean,
Edward E. Whitacre Jr. College of Engineering
Dr. Noel Zahler
Dean, J.T. & Margaret Talkington College of Visual & Performing Arts

Recognition of Outstanding Students

Class of 2017

Dr. Michael L. Galyean

Charge to the Graduates

Dr. Lawrence Schovanec

Alma Mater

(Words on Back Cover)

Mr. Alec Lee Williams
Graduating with a Bachelor of Arts in Music

Recessional*

Texas Tech Commencement Band

* Please remain seated during the Processional and Recessional
Cellist Jeffrey Noel Lastrapes is an active soloist, chamber musician and teacher having performed and taught in Europe, South America, Asia, and in every region of the United States. He holds degrees from the Curtis Institute of Music and the Juilliard School, where he studied with Orlando Cole and Harvey Shapiro, respectively. He has recorded for New World Records and Centaur Records.

In 2009, Mr. Lastrapes gave his New York Debut at Merkin Hall to critical acclaim.

“An excellent cellist with consummate technical mastery, Lastrapes is a seasoned performer whose strong, outgoing personality lets him shape the music on a big canvas with bold colors and contours,” wrote Edith Eisler in the New York Concert Review.

Recordings of sonatas by Rachmaninoff and Chopin, and duos for violin and cello by Ravel and Kodaly, both on Centaur Records, have recently been released, as well as his print edition of the Six Suites for Solo Cello by Bach.

Mr. Lastrapes has participated in major summer festivals around the world including the Evian, Hot Springs, Peninsula (Wisconsin), Bay View (Michigan), and Bellingham (Washington).

He is currently Associate Professor of Cello and Chair of Strings at Texas Tech University, is the co-founder of Caerus Ensemble, is on the faculty of the Tennessee Governor’s School for the Arts, and has been on the faculty of the Interlochen Center for the Arts since 1996.

Upcoming engagements in the 2017-2018 season are complete performances of the Bach Six Suites in Bolivia and South Korea, concerts and master classes in Montenegro and Hong Kong, as well as recitals, master classes, clinics, and lectures in the United States.

Mr. Lastrapes performs on a Francesco Ruggieri cello dated 1684 and a Paul Schuback cello dated 1987.
ACKNOWLEDGEMENTS

CONVOCATIONS COMMITTEE
Ms. Laura Heinz, Chair
Prof. Matthew Schlief, Chair-elect
Mr. Ian Barba
Ms. Shelley Barba
Dr. Alan Barenberg
Mr. Jordan Bell
Dr. Shane Blum
Dr. Rhonda Boros
Ms. Luciana Cavazos
Dr. Julie Chang
Dr. Fanni Coward
Dr. Mukaddes Darwish
Prof. Genevieve Durham DeCesaro
Ms. Amiee Dixon
Dr. Kristi Gaines
Dr. Courtney Gibson
Dr. Roxie Godfrey
Dr. Catherine Jai
Dr. David Klein
Dr. Katie Langford
Dr. Jonathan Marks
Dr. Barent McCool
Mr. Gary McCreary
Ms. Sheon Montgomery
Dr. Mark Moore
Dr. Mary Murimi
Dr. Damian Pantoya
Dr. Diego Pascual
Ms. Michelle Pearson
Dr. Comfort Pratt
Mr. Tom Rohrig
Ms. Carrye Syma
Mr. Jake Syma
Dr. Anna Tacón
Dr. Marcus Tanner
Dr. Susan Tomlinson
Prof. Seth Warren-Crow
Dr. Richard Watson
Ms. Lynn Whitfield
Ms. Heidi Winkler
Dr. Aliza Wong
Dr. Amani Zaier

COLLEGE READERS
Agricultural Sciences & Natural Resources –
Dr. David Weindorf
Architecture – Mr. Darrick Wade
Arts & Sciences – Dr. David Roach
Business – Mr. Derrick Ginter
Engineering – Dr. Doug Hamman
Graduate School – Dr. Bill Gelber
Honors College – Dr. David Weindorf
Human Sciences – Dr. John Gilliam
Media & Communication – Dr. Todd Chambers
University Programs – Dr. Marcus Tanner
Visual & Performing Arts – Professor Karl Dent
Wind Energy – Dr. Marcus Tanner

ADMINISTRATIVE REPRESENTATIVES
Agricultural Sciences & Natural Resources –
Ms. Savannah Chambers
Architecture – Ms. Anna Martinez-Lopez
Arts & Sciences – Ms. Kim Mills
Business – Ms. Geleah Sharp
Education – Ms. Karen Noles
Engineering – Ms. Tonette Rittenberry
Graduate School – Ms. Vanessa Bara
Honors College – Ms. Cheyenne Belew
Human Sciences – Ms. Ashlee Brown
Media & Communication –
Ms. Julia Heard Witt
University Studies – Ms. Amy Peterman
and Ms. Sarah Schwintz
Visual & Performing Arts –
Ms. Kathy Nordstrom
Wind Energy – Ms. Kacey Marshall

STUDENT BANNER BEARERS
Agricultural Sciences & Natural Resources –
Ms. Macy Rae Fangman
Architecture – Ms. Maria Lourdes Leon
Arts & Sciences – Ms. Elaine Michelle Tveit
Business – Ms. Kyle Michelle Naughton
Education – Ms. Megan Destiny Rivera
Engineering – Mr. Aaron M. Trusty
Graduate School
9:00 a.m. – Mr. Hai Thanh Nguyen
1:30 p.m. –
Ms. Chamila Kalpani Dissanayake
Human Sciences – Ms. Naomi Elizabeth Snider
Honors College
9:00 a.m. – Ms. Karla Reyes
1:30 p.m. – Ms. Brooke Marie Henney
Media & Communication – Ms. Kylie J’Nae Boyd
University Programs – Mr. Jonathan J. Gill
Visual & Performing Arts –
Ms. Ashlea Sarepta McCleskey

FACULTY BANNER BEARERS
9:00 a.m. – Marjorie Buckner, Ph.D;
Assistant Professor of Communication Studies,
College of Media & Communication
1:30 p.m. – Linda Donahue, Ph.D.
Associate Professor of Theatre and Dance,
J.T. & Margaret Talkington College of
Visual & Performing Arts

LIBRARY BANNER BEARERS
9:00 a.m. – Mr. Rob King
1:30 p.m. – Ms. Lynne Edgar

MUSIC ENSEMBLE
The commencement music ensemble is
comprised of students from the Texas Tech
University School of Music under the direc-
tion of Dr. Sarah McKoin. Their participation
is funded through the auspices of the Office of
the President, Texas Tech University.

PROGRAM
This program was produced by the Office of
the Provost in cooperation with the Convoca-
tion Committee and the Office of Official
Publications at Texas Tech University, Garrett
McKinnon, Director, and Cheryl Hedlund,
Senior Editor.

This program is an unofficial list of Summer 2017
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 confer-
ral of degrees is the student’s permanent academic
record kept by the Office of the Registrar.
Crowned by a flame symbolizing the Light of Knowledge, the Texas Tech University Presidential Mace is the symbolic staff of the power and authority of the university. It is constructed of lathed and molded bronze that has been rubbed with a layer of 24K gold. The school crest is presented on either side directly under the flame. Hand-rubbed black walnut has been used for the connecting shafts. The mace was designed by Professor Robly A. Glover in the School of Art. Professor Glover’s artwork is on display throughout the United States and included in the permanent collections of the Art Institute of Chicago, The Yale Silver Collection, and the Victoria and Albert Museum in London.

MACE BEARERS

9:00 A.M. .......................................................... URS PETER FLUECKIGER, M.Arch.
Professor of Architecture,
College of Architecture

1:30 P.M. .......................................................... ARQUEMEDES RUIZ-COLUMBIE, Ph.D.
Instructor in Wind Energy,
National Wind Institute

Professor Robly A. Glover carries the Presidential Mace he designed for Texas Tech University.

RECEPTION

Immediately After Commencement Ceremony
College of Architecture | Architecture Gallery

GRADUATION HONORS

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

Alexis Kate Baker
Zachary Alban Coomes
Mackenzie John Ewart
Chrissy Ann-Marie Morris

Kylie Michelle Naughton
Vu Hoang Nguyen Phan
Megan Destiny Rivera
Tori L. Ruiz

Naomi Elizabeth Snider
Ashley Marie Sursely
Elaine Michelle Tveit
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.

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**DOCTOR OF EDUCATION**

**EDUCATIONAL LEADERSHIP**

Zinab Galal Elhagrasey Muñoz  
*Dissertation*: Educational Leadership for a New Model of Engagement: A Case Study Analysis of the Dallas ISD and Dallas Community College District Collegiate Academics Partnership  
*Major Professor*: Fernando Valle

Jimmy Edward Cheffen, Jr.  
*Dissertation*: Onboarding and Staying: Experiences of Faculty of Color at a Midwestern Community College  
*Major Professor*: Dave Hartmeister

Mitchel Lee Cottenoir  
*Dissertation*: Exploring In-class Assessment for Student Learning: Perspectives of Full-time Faculty Members at a Small Private University  
*Major Professor*: Dave Louis

Kimberly Evette Currie-Sanders  
*Dissertation*: Performance-based Funding: Perspectives of Community College Leaders' in Texas on Its Influence on Student Success Initiatives  
*Major Professor*: Dave Louis

Carey D. Hewett  
*Dissertation*: Effects of Value Engineering on the Sustainability of New Facilities on University Campuses: A Case Study Analysis of Project and Facility Managers' Perceptions and Experiences  
*Major Professor*: Stephanie J. Jones

Clayton George Taylor  
*Dissertation*: An Exploration of Adult Student Retention Strategies at a Private Faith-based Nonprofit University: A Collective Case Study Analysis of Experiences and Perceptions of Adult Studies Staff  
*Major Professor*: Stephanie J. Jones

**SPECIAL EDUCATION**

Bertha Avila Guerrero  
*Dissertation*: An Investigation into the Commonalities of Students Who Are Braille Readers in a Southwestern State Who Possess Comprehensive Literacy Skills  
*Major Professor*: Nora Griffin-Shirley

**DOCTOR OF MUSICAL ARTS**

Matthew James Carey (In absentia)  
*Dissertation*: A Performers' Guide to Henry Purcell's Welcome to All the Pleasures  
*Major Professor*: Richard Bjella

Jinwon Kim  
*Dissertation*: Barideki: For String Sextet  
*Original Music Composition with Analysis Major Professor*: Peter H. Fischer

Oliver Ramphastos Lucero  
*Dissertation*: Friedrich Gottlieb Klopstock's Metrical and Poetic Impact on Art Song Literature  
*Major Professor*: Rebecca Wascoe Hays

Tara Angelique Melvin (In absentia)  
*Dissertation*: A Comparison of Two African American Composers Born Within Five Years of the Emancipation  
*Major Professor*: Rebecca Wascoe Hays

**DOCTOR OF PHILOSOPHY**

**AGRICULTURAL AND APPLIED ECONOMICS**

Luis Alberto Sandoval Mejia  
*Dissertation*: Essays in Food Security in Latin America  
*Major Professor*: Carlos Carpio

Haiyan Wang  
*Major Professor*: Jaime Malaga

Laura Gorham Fischer  
*Dissertation*: Examining the Role of Motivational Salience, Issue Involvement, and Pre-existing Attitudes on Selective Attention and Attitude Strength to Advertisements  
*Major Professor*: Courtney Meyers

Troy Glyn Tarpley  
*Dissertation*: Effects of Repeat Exposure on Reported Comfort Levels While Viewing the Animal Slaughter Process  
*Major Professor*: Cindy Akers

Jessica Odell Baggerman  
*Dissertation*: Supplementation of Chromium Propionate Alters Growth Performance and GLUTA Activity in Feedlot Steers  
*Major Professor*: Bradley Johnson

Cara Elizabeth Wessels  
*Dissertation*: Specific Gravity Device Can Predict Embryo and Oocyte Quality, Survival of Embryo Cryopreservation and Establish Pregnancies in Selected Mammalian Species  
*Major Professor*: Samuel D. Prien

**ANIMAL SCIENCE**

Elizabeth Anne Farley-Dawson (In absentia)  
*Dissertation*: Factors Influencing Habitat Selection, Spatial Distribution and Site Fidelity in a Neotropical Migratory Bird, the Veery (*Catharus fuscescens*)  
*Major Professor*: Kenneth Schmidt

Marina Lynn Fisher-Phelps (In absentia)  
*Dissertation*: Modeling Southeast Asian Bat Distributions: Assessing the Effect of Ecology and Spatial Biases on Model Accuracy  
*Major Professor*: Tigga Kingston

**BIOLOGY**

Gail A. Alleyne Bayne  
*Dissertation*: Effects of Online Course Design Elements on Undergraduate Students' Mental Fatigue  
*Major Professor*: Fethi Inan
GRADUATE CANDIDATES

Hanh Thi My Pham
Dissertation: Fiber Growth and Maturation in Alternative Oxidase Transgenic Cotton
Major Professor: Robert Wright

Rita Margarida de Almeida Dias Quiñones de Magalhães
Dissertation: The Effect of Leaf Traits on Litter Flammability in Mixed-conifer Forest
Major Professor: Dylan Schwilk

Xunlu Zhu
Dissertation: The FZ Subunit of Protein Phosphatase 2A Plays a Negative Role in Ethylene Signal Transduction Pathway
Major Professor: Hongchao Liu

BUSINESS ADMINISTRATION

Daniela Sanchez
Dissertation: The Impact of Corporate Social Responsibility on Employee Layoffs, Layoff Disclosure, and Subsequent Financial Performance
Major Professor: Denton Collins

Ying Wang (In absentia)
Dissertation: Online Review and Product Sales: A Longitudinal Investigation in the Multilevel User-generated Content
Major Professors: Miguel Aguirre-Urreta and Jaeki Song

CHEMICAL ENGINEERING

Md Rashedul Islam
Dissertation: Aggregation Thermodynamics for Asphaltene Precipitation
Major Professor: Chau-Chyun Chen

Nabiollah Kamyabi
Dissertation: Microfluidic Investigation of Biomechanics of Tumor Cells Under Microcirculatory Conditions
Major Professor: Siva Vanapalli

Nadia Sultana
Dissertation: Study of Polymorphism, Nucleation, Co-Crystallization, and Colorimetric Detection of an Energetic Material 2, 4, 6-Trinitrotoluene (TNT)
Major Professor: Brandon Weeks

Xinmei Wang
Dissertation: Chemical and Mechanical Signals Mediating Phenotype Transformation in Valvular Intestinal Cells
Major Professor: Carla Lacerda

CHEMISTRY

Muhammet Mustafa Cetin
Dissertation: Syntheses and Characterization of Copper(I) Complexes for Study of Dynamic Supramolecular Ring-chain Equilibria and Application as Photoredox Catalysis
Major Professor: Michael Mayer

Ang Zuo
Dissertation: Chemistry of Pseudopericyclic Reactions and Synthesis of New Proton Sponges
Major Professor: David Birney

CIVIL ENGINEERING

Bo Pang
Dissertation: Capacity Analysis of Signalized Alternative Interchanges
Major Professor: Hongchao Liu

CLINICAL PSYCHOLOGY

Nathanael JinHo Taylor
Dissertation: An Investigation of the Interpersonal Theory of Suicide in an Inpatient Sample of Individuals with Bipolar Disorders
Major Professor: Kelly Cukrowicz

COMPUTER SCIENCE

Mohammed Saeed Alkatheiri (In absentia)
Dissertation: Experimental and Cryptanalytic Study of the State of the Art Physical Unclonable Functions
Major Professor: Yu Zhuang

Heng Wu
Dissertation: The Study of a Family of Hessian-based Predictors-corrector Integrators for Direct Dynamics Simulation
Major Professor: Rattikorn Hewett

COUNSELING PSYCHOLOGY

Dominika Borowa
Dissertation: Personal Growth Initiative as a Resilience Factor Against Death Ideation in OIF, OEF and OND Veterans
Major Professor: Chris Robitschek

James Richard Donaldson III
Dissertation: Psychometric Evidence for a Measure of Religious Identity
Major Professors: Stephen Cook and Robert Morgan

Karen Elizabeth Grabowski
Dissertation: Intellectual Disability/Intellectual Development Disorder and Restoration to Competency to Stand Trial
Major Professors: Sheila Garos and Robert Morgan

Leah Ferrari Power (In absentia)
Dissertation: Religiousness and Conformity to Feminine Norms
Major Professor: Stephen Cook

COUNSELOR EDUCATION

Cody William Dickson
Dissertation: Female Single-sex High School Graduates Transition to College Life: A Wellness Perspective for Counselor Educators
Major Professor: Charles Crews

CURRICULUM AND INSTRUCTION

Susan Coleman Burgoon
Dissertation: Effect of Using a Two-stage Collaborative Exam on Undergraduate Students’ Learning in a Gateway Course for Allied Health Programs
Major Professor: Walter Smith

Maria Leticia Gonzalez-Madrid
Dissertation: “We All Have Them, but We Do Not Know How to Teach Them”: ELLs in Mainstream Classrooms
Major Professor: Jeong-Hee Kim

Amy A. Moers
Dissertation: Examining Fifth Grade Students’ Math Discussions, Perceived Fraction Ability, and Content Learning through a Socio-cultural Intervention
Major Professor: Zenaida Aguirre

Kayla Aggie Renae Randolph
Dissertation: A Framework for Success: A Case Study of a Community Peer-mentoring Program for Underrepresented Students Enrolled in the Student Success Course
Major Professor: Barbara Morgan-Fleming

Gail Lynn Smith
Dissertation: The Teacher-curriculum Relationship: Teacher Interactions with a Digital Science Curriculum
Major Professor: Shirley Matteson

ECONOMICS

Huiying Chen
Dissertation: Essays on an Unconventional Monetary Policy: Nominal GDP Targeting – A Dynamic Stochastic General Equilibrium Analysis
Major Professor: Salem Abo-Zaid

Ahmed Hashmiwu
Dissertation: Essays on the Macroeconomic Effects of Fiscal Policy
Major Professor: Salem Abo-Zaid

Najmeh Kamyabi
Dissertation: Three Essays in Energy Economics and Industrial Organization, with Applications to Gasoline Markets
Major Professor: Michael Noel

Yanze Li
Dissertation: Essays on Welfare Gains from Product Varities in International Trade
Major Professor: Armando Lopez

Janaka Deshapriya Maheepala (In absentia)
Dissertation: Essays on Optimal Credit and Tax Policies
Major Professor: Salem Abo-Zaid

Rullan Rinaldi
Dissertation: Essays in the Redistribution Effect of International Trade in the Labor Market
Major Professor: Misak Avetisyan
GRADUATE CANDIDATES

ELECTRICAL ENGINEERING

Sajjad Abedi
Dissertation: Data Driven Approaches for Risk-Aware Energy and Reserve Co-optimization with Significant Wind Resources
Major Professor: Miao He

Ayed R. Alajmi
Dissertation: Novel Techniques for Microwave Imaging Using the Time Reversal Finite Difference Time Domain Method
Major Professor: Mohammad Saed

Md Nadim Ferdous Hoque
Dissertation: Studies of Metal Oxides and Organic-inorganic Perovskites for Optics and Photovoltaics
Major Professor: Zhao Yang Fan

Daniel L. Mauch (In absentia)
Dissertation: Photocurrent Efficiency and Limitations in 4H-SiC Photoconductive Semiconductor Switches
Major Professor: James Dickens

ENGLISH

Emily Nickole Grover
Dissertation: “Adieu, Dear Name”: The Thing About Names in the Works and Lives of Frances Sheridan, Frances Burney, Mary Darby Robinson, and Jane Cave Winscom
Major Professor: Marla Kende

Dina Salah Mohamed Hassan
Dissertation: Bilingual Creativity and Anglo-Arab Texts: Towards a Methodological Framework Drawing on World Englishes and Translation Studies
Major Professor: Mary Jane Hurst

ENVIRONMENTAL TOXICOLOGY

Logeswari Ponnusamy (In absentia)
Dissertation: Epigenetic Mechanism of Acquired Doxorubicin Resistance in Breast Cancer Cells
Major Professor: Kamleshwar Singh

FINE ARTS

Jaclyn Francis Paul
Dissertation: The Impact of Music on Self-concept: The Investigation with Deaf and Hearing Children Using the Twenty Statements Test
Major Professor: Janice Killian

Lawrence Branco Sekalegga
Dissertation: Examination of Effective Music Pedagogies in Ugandan Urban, Suburban, and Rural Secondary Schools: An Empirical Study
Major Professor: Janice Killian

GEOSCIENCES

Vanna Christine Chmielewski
Dissertation: Understanding the Surprising Variation in Storm Charge Structures on 4 June 2012 Over West Texas
Major Professor: Eric Bruning

Philip Arnold Frederick, Jr.
Dissertation: Stratigraphy, Biostratigraphy, and Paleogeography of Late Devonian-carboniferous Units in the Alexander Terrane, SE Alaska
Major Professors: James Barrick and Dustin Sweet

HIGHER EDUCATION—HIGHER EDUCATION RESEARCH

Catherine Teresa Nutter
Dissertation: Academic Probation and Suspension Students: Perceptions on Academic Advising and Gift
Major Professor: Valerie Paton

HISTORY

Hai Thanh Nguyen
Dissertation: The Hidden Memory of the Vietnam War: Examining the Motivations of Soldiers on the Battlefield
Major Professor: Ron Milam

Justin M. Simundson
Major Professor: Ron Milam

Lane Jarold Sobehrad
Dissertation: The Past in Prologues: The Origins, Form, and Function of Introductory Material in Medieval English Historical Works
Major Professor: John Howe

HOSPITALITY ADMINISTRATION

Kyungyul Jun (In absentia)
Major Professor: Jessica Yuan

HUMAN DEVELOPMENT AND FAMILY STUDIES

Cassandra Caye Huey
Major Professor: Yvonne M. Caldera

Andrea Christine Parker
Dissertation: Assessing the Effectiveness of a Pre-kindergarten Preparation Class
Major Professor: Michael McCarty

INDUSTRIAL ENGINEERING

Ramzi Lafi Alahmadi (In absentia)
Dissertation: Renewable Energy as an Economically Viable Option for an Oil Rich Country: A Risk Analysis Approach
Major Professor: Mario Beruvides

Manish Ranjit
Dissertation: The Effects of Posture and Gender in Biomechanics of High Frequency Lifting of Light Loads
Major Professor: James Smith

Yang Zhang
Dissertation: Li-ion Battery Electrode Remanufacturing by Nanosecond Pulsed Laser Ablation
Major Professor: Hong-Chao Zang

MARRIAGE AND FAMILY THERAPY

Luke Scott Einerson
Dissertation: A Delphi Study on Herbs Used to Address Depression and Anxiety According to Master Herbalists
Major Professor: Jason Whiting

Brie Ann Turns
Dissertation: Assessing the Effectiveness and Experiences of Solution-focused Brief Therapy for Couples Raising a Child with an Autism Spectrum Disorder
Major Professor: Sara Smock Jordan

MASS COMMUNICATIONS

Sadia Ehsan Cheema
Dissertation: Games for Good: Testing the Motivational Mechanisms of Serious Games and Their Effect on Prosocial Behavior
Major Professor: Paul Bolls

Jennifer Ann Huemmer
Dissertation: A Tale of Two Worlds: Examining Identity, Media and Faith Among Evangelical Christian Women
Major Professor: Robert Peaslee

Amber Nicole Krause
Dissertation: Addressing Activism in Agriculture: How Message Features Influence Resistance to Genetically Modified Food Messages, Openness to Dialogue, Activist Attitudes, and Behavioral Intentions
Major Professor: Erik Bucy

Bailey Airs Thompson
Dissertation: #SororityGirl: Media’s Role in the Sorority Socialization Process Through the Construction and Maintenance of the Individual and Chapter Sorority Identity
Major Professors: Shannon Bichard and Rebecca R. Ortiz
GRADUATE CANDIDATES

MATHEMATICS

Joshua Spencer Mayer
Major Professor: Souparno Ghosh
and Ranadip Pal

Gailkande Arachige Iresha Chamanthi Premaratna
Dissertation: Classification of Protein-ligand Binding Using Their Structural Dispersion
Major Professor: Leif Ellingson

Michelle Nicole Waltz
Dissertation: Integer Representations of Small Groups and their Cohomology
Major Professor: Arne Ledet

Yang Zhang
Dissertation: An Investigation of Some Public Key Exchange Cryptosystems
Major Professor: Chris Monico

MECHANICAL ENGINEERING

Saeed Babamohammadi (In absentia)
Dissertation: Part I: A Motion Capture Algorithm for Reconstruction of Supercoiled DNA
Part II: Experimental and FEA-based Assessment of Damage Mechanism in EPDM Roofing Structures Subjected to Hailstone Impact
Major Professor: Jahangir Rasty

Avik Basu
Dissertation: Determination of the Mechanical Properties of the Tricuspid Valve Anulus within the Surrounding Myocardium and Leaflets
Major Professor: Zhaoming He

Aimee Monique Cloutier
Dissertation: Grasping Force Optimization Approaches for Common Anthropomorphic Grasps
Major Professor: James Yang

Halleyesus Belay Endeshaw
Dissertation: Probabilistic Prognostics of Gears Under Variable Loading
Major Professor: Stephen Ekkaro-Osire

Richa Somkant Padhye
Dissertation: Altering Surface Properties Toward Enhanced Reactivity
Major Professor: Michelle Pantoya

Kalana Lakshitha Pothuwila
Dissertation: Finite-state Transition Models for Path Planning, Packet Screening and Control of Networked Industrial Control Systems
Major Professor: Jordan Berg

Dylan K. Smith
Dissertation: Replacing the Al2)3 Passivation Shell on Aluminum Nano-Particles with an Energetic Salt: Aluminum Iodate Hexahydrate (AIH)
Major Professors: Michelle Pantoya and Zhaoming He

NUTRITIONAL SCIENCES

Arwa Al-Jawadi
Dissertation: Adipocyte-breast Cancer Cell Interactions and Potential Preventive Effects of Omega-3 Fatty Acids
Major Professor: Naima Mousaid-Moussa

Chanaka Nadeeshan Kahathuduwu
Dissertation: Effects of Extended Calorie Restriction on Neurophysiological Mechanisms Determining Human Ingestive Behavior
Major Professor: Martin Binks

PERSONAL FINANCIAL PLANNING

Jacob A. Williams
Dissertation: Three Essays on Annuitized Income During Retirement
Major Professor: Russell James

PETROLEUM ENGINEERING

Fathi Eltaif Saad Eldaliki
Dissertation: Testing, Modeling, and Optimizing a Modified Design of Gas Lift Valve Seat
Major Professors: Hossein Emadi and Mohamed Soliman

Lei Li
Dissertation: Experimental and Numerical Study on Gas Huff-n-Puff EOR in Shale Oil Reservoirs
Major Professor: James Sheng

Yu Pang
Dissertation: Effect of Gas Adsorption on Rock Property Characterization and Gas Transport Mechanism in Shale Gas Reservoirs
Major Professor: Mohamed Soliman

Ziqi Shen
Dissertation: Investigation of Asphaltene Deposition Associated Formation Damage During Huff-n-Puff Injection in Shale Reservoirs
Major Professors: Habib Menouar and James J. Sheng

PLANT AND SOIL SCIENCE

Sanjit Acharya
Dissertation: Cellulose Dissolution in Different Solvents
Major Professor: Nourreddine Abidi

Xiaoxiao Liu
Dissertation: Effect of Different Production Practices on the Development of Verticillium Wilt and Cotton Fiber Quality
Major Professor: Jason Woodward

POlITICAL SCIENCE

Emily Naasz
Dissertation: Civilian Victimization in Armed Conflict: An Opportunity Cost Argument
Major Professor: Toby Rider

SPANISH

Rolando Josué Díaz
Dissertation: Transnational Noir: Chicano and Catalan Elements in the Detective Fiction of Lucha Corpi and Alicia Giménez Bartlett
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Julio César Pérez Méndez (In absentia)
Dissertation: Using Photographs to Illustrate Don Quijote de La Mancha
Major Professor: John Beusterien

SPECIAL EDUCATION

Nouf Mohammed A. Alzrayer
Major Professor: Devender Banda

Ashley Lindsey Mattur
Dissertation: An Evaluation of Equivalence-based Instructional Strategies on Emergent Foreign-language Noun Relations
Major Professors: Jeanne Donaldson and David Richman

Mariana Ulíbarri-Horan
Major Professor: Janna Brendle

SYSTEMS AND ENGINEERING MANAGEMENT

Chamila Kalpani Dissanayake
Dissertation: Development of a Supply Chain Performance Measurement Model Integrable to Industry
Major Professor: Jennifer Cross

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Poorna Tharaka Wansapura
Dissertation: Cellulose and Chitin Based Composites: Preparation and Characterization
Major Professor: Nourreddine Abidi
Dubravka Davy
Dissertation: Communicating Bad Medicine: Making the Argument for the Adoption of the Harmonized Sales Tax in Ontario, Canada
Major Professor: Kenneth Bake

Stephen David Grover
Dissertation: Preparing Graduate Teaching Assistants to Teach Writing Online: A Nationwide Assessment of Research and Practice
Major Professor: Kelli Cargile Cook

Jeremy Fredrick Huston
Dissertation: Measuring Fun: A Heuristic for Evaluating Game Enjoyability in Usability Testing
Major Professor: Brian Still

Elaine Christine Wisniewski
Dissertation: Workplace Communication Practices and Perceptions of Novice Engineers
Major Professor: Kelli Cargile Cook

WILDLIFE, AQUATIC, AND WILDLANDS SCIENCE AND MANAGEMENT
Pablo Cortez Teveni III
Major Professor: Robert Cox

Hoon Ill Won
Dissertation: Horizontal and Vertical Variability of Wind Fluctuations in Lower Atmospheric Boundary Layer
Major Professor: Song-Lak Kang

MASTER OF AGIBUSINESS
Harris Wayne Davee
Kayla McMackin

MASTER OF ARCHITECTURE
Ruben Apodaca Longoria
Kirsten Erin Murillo
Nicholas Connor Reachi
Ana Irais Rodriguez

MASTER OF ART EDUCATION
Justin John Clumpner (In absentia)
Gail Elizabeth Meyer Dentler
Marc Andrew Watson
Lorena Williams

WIND SCIENCE AND ENGINEERING
Hoon Ill Won
Dissertation: Horizontal and Vertical Variability of Wind Fluctuations in Lower Atmospheric Boundary Layer
Major Professor: Song-Lak Kang

MASTER OF ARTS
ANTHROPOLOGY
David W. Sandrock

ART HISTORY
Jordann Nicole Davis
Thesis: El Manati as a Site of Creation: Material Engagement at an Early Formative Site in Mexico

COMMUNICATION STUDIES
Richelle Leanne Hair
Kaleigh Jo Love (In absentia)

HISTORY
Jeremy Thomas Brown
Olivia Drew Greene Bursch
Thesis: Nos Sentimos Libres: Healthcare, Socialism, and Women's Liberation in Castro's Cuba
Darian Grey Condarco
John Wallace McCullough (In absentia)
Thesis: Bredlove – An Empire of the Air, 1939-48
Joshua Riley Reese
Casey Michael Scarpati
Heather Renee Turbeville
Thesis: Spices, the East India Company, and the Origins of Anti-Dutch Sentiment in England in the Sixteenth and Early Seventeenth Centuries

INTERDISCIPLINARY STUDIES
Tobin Scott Brannan
Brittany Lauren Brock
Hunter Reid Jenkins

LANGUAGES AND CULTURES
Musbah Michael Pratt Boyles
Thesis: The Roman Water-mill at Khirbet Faynan: Historical Perspectives and Weisgerber’s Unpublished Archive
Laura Elizabeth Schuster

MASS COMMUNICATIONS
Quran Sheray Batiste
Savannah Breeann Boyd
Brendan Tate Hunton
Dana McNamara Jennings
Liliane Irene Logan

PHILOSOPHY
Joshua William Bonilla (In absentia)
Thesis: Hold the Line: Plato on Education, Virtue, and Language

POLITICAL SCIENCE
Travis J. Cole

PSYCHOLOGY
Tabitha Catlin Fleming
Thesis: The Planned Parental Discipline Strategies of College Students: The Role of Behavioral Principles Knowledge
Alexandra Blake Gibson
Thesis: Increasing Knowledge of Behavioral Principles Using a Brief Online Training Program
Margaret Ann Piper (In absentia)

SOCIOLOGY
Marjan Davoodi
Thesis: “We Have Our Privacy, We Have Our Own World,” The Choice of Cohabitation Among the Iranian Cohabitants
Stephanie Lenae Kirkland (In absentia)
Thesis: Mexican American Immigrants and Health Insurance Under the ACA
April Ortegon

MATH SCIENCE
Hoon Ill Won
Dissertation: Horizonal and Vertical Variability of Wind Fluctuations in Lower Atmospheric Boundary Layer
Major Professor: Song-Lak Kang

WIND SCIENCE AND ENGINEERING
Hoon Ill Won
Dissertation: Horizonal and Vertical Variability of Wind Fluctuations in Lower Atmospheric Boundary Layer
Major Professor: Song-Lak Kang

MASTER OF ART EDUCATION
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WIND SCIENCE AND ENGINEERING
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Dissertation: Horizonal and Vertical Variability of Wind Fluctuations in Lower Atmospheric Boundary Layer
Major Professor: Song-Lak Kang

MASTER OF ART EDUCATION
Justin John Clumpner (In absentia)
Gail Elizabeth Meyer Dentler
Marc Andrew Watson
Lorena Williams
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<th>Strategically Communication and Innovation</th>
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<tr>
<td>Whitney Gable Barrett</td>
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<td>Jamecia Renae Crenshaw</td>
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<tr>
<td>Meredith Albers</td>
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<th>Master of Business Administration</th>
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<tr>
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<tbody>
<tr>
<td>Counselor Education</td>
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<tr>
<td>Lucas Howard Brink</td>
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<td>Richard Remington Jolly</td>
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<td>Angel Vega</td>
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<tr>
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<td>Nancy Donna Beggs (In absentia)</td>
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<tbody>
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<td>Molli Kathleen Crowley-Martinez</td>
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<td>Ruby Gonzalez</td>
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<tr>
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<tbody>
<tr>
<td>Justina Henryka Danilowski</td>
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<td>Kevin Andrew Harmon</td>
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<td>Kristen Nicole Lyons (In absentia)</td>
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<td>Esteban Montenegro Montenegro (In absentia)</td>
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<tr>
<td>Anna Marie Schaefer</td>
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<td>Samantha Kate Wiseman</td>
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</table>
GRADUATE CANDIDATES

INSTRUCTIONAL TECHNOLOGY
Kendra Rene Erdmann (In absentia)
Lindsey Shae Stokes
Victoria Ashley Vaughn
Kirstin Sue Wachter

SPECIAL EDUCATION
Gwendolen N. Beyer (In absentia)
John Todd Bigham
Heather Sue Brooks
Chelsea Nichol Campbell
Michelle Marie Candland
Allison Lee Ceyanes
Stephanie Michelle Chambers
Sarah Rebecca Chatfield
Brenda J. Cheeseman
Robin Marie Cook
Dena Michelle Decker
Lande Chadwick Dowell
Reynaldo Lagasca Duran
Leonardo Esquivel
Quynh Giao Thi Eubanks (In absentia)
Melissa Yvonne Gibson (In absentia)
Juliana Lynne Greenleaf (In absentia)
Jessica Michelle Haarlow
Shanna Christine Hamilton
Christina Renee Johnson
Kelly Marie Kilgus
Lana Renee Krull-Gar
Bridgette Arlene Luce
Jacqueline Kaye Malone
Adrian N. McCune
Eduardo Alejandro Mejia, Jr.
Ashley Nicole Mobley (In absentia)
Lexi Lynn Percifield
Kathryn Hughes Peterson
Marcela Quatrini
Ashton Dorene Ramsey
Lea Lyn Rauchbach (In absentia)
Kimberly Renae Ross
Jill M. Smith
Melanie Lynne Teague
Eman Williams
Candi Melissa Williams

MASTER OF ENVIRONMENTAL ENGINEERING
James Robert Raveney (In absentia)

MASTER OF FINE ARTS
ThEATRE ARTS
Abigail Roberts Chowning
Caroline Jane Davis
Reese Garrett Thompson

MASTER OF LANDSCAPE ARCHITECTURE
Joanna Agyapomaa Aduhene
Amanda L Gunter (In absentia)

Thesis: Therapeutic Landscapes for Academics
Suffering from Stress and Burnout in Arid Regions
Jared Lane Horsford

Thesis: Approaches for Obtaining SITES v2
Water Credits in Playa Hydrologic Systems
of the Llano Estacado Region
Afshan Sharmin

MASTER OF MUSIC
Amy McDevitt Womack (In absentia)


MASTER OF MUSIC EDUCATION
Leonel Garza
Jose Juarez Martinez
Catherine Leigh Olivier

Thesis: Aesthetic Responses of North Americans
and South Americans to Tango Music
Gregory Donald White

MASTER OF PUBLIC ADMINISTRATION
Melina De Silva Matos

MASTER OF SCIENCE
AGRICULTURAL AND APPLIED ECONOMICS
Jennifer Leigh Crews (In absentia)

Ximena Alejandra Paz Portal

Thesis: The Effects of Quinoa’s Price Changes
in the Welfare of Bolivian Households

AGRICULTURAL COMMUNICATIONS
Brandy Julia Brooks

Thesis: A Comparative Content Analysis of
News Stories and Press Releases During
the 2015 Blue Bell Ice Cream Recall
Jenna Holt-Day

AGRICULTURAL EDUCATION
Chanie Brooke Barker

Thesis: Perceived Level of Preparation, Benefit of Coursework, and Teacher Efficacy of Program Completers in a Teacher Certification Program
Shaye Lynn Beasley (In absentia)
Casey T. Jones

ANIMAL SCIENCE
Jennifer L. Estes (In absentia)
Bradley Keith Schniers

Thesis: Effects of Iloprost on Embryo Development in vitro

APPLIED PHYSICS
Shivakumar Surendranath

Thesis: Moiré Effect Studies at Thermal Frequencies

ATMOSPHERIC SCIENCE
Matthew Donald Brothers

Thesis: Investigating the Relative Contribution of Charge Deposition in Organizing Charge within a Thunderstorm
Alexandria Jolene Herdt

Thesis: A Multi-index Investigation of the Spatiotemporal Relationships between Heat and EMS Calls During the 2015 Pan American Games in Toronto, Canada
Shelby Dalane Robertson

Thesis: Intensification of Low-level Updraft in Supercells Preceding Tornado genesis

BIOLOGY
Daniela Arenas-Viveros

Thesis: Historical Biogeography of the Diversification in Akodon (Rodentia: Sigmodontinae)
Ranakul Islam

Thesis: Influence of Neuropeptide Y (NPY) on Prey Capture and Predator Avoidance Responses in the African Clawed Frog, Xenopus laevis
Shengjian Jiang

Thesis: Evidence of Exposure to Hypoxia and Acidification in Otoliths of Atlantic Croaker from the Gulf of Mexico

BIOTECHNOLOGY
Ashwini Challa

Thesis: Molecular Mechanisms Underlying Drought Acclimation Responses in C76-16 Leaf (Arachis hypogaea L.)
Poonnasree Kumar

Bilkis Ara Mitu

Sanjana Sujal Shroff

BUSINESS ADMINISTRATION
Nathaniel Buchanan Luker
Eric Matthew Prochnow
Forrest David Stovall
Sohel F. Vora
Brett S. Wilson
GRADUATE CANDIDATES

CHEMICAL BIOLOGY
Klom Yemanee Gebreselasie
  Thesis: Small Molecule Metallo-β-Lactamase Inhibitors

CHEMISTRY
Armando Panigagua Vigil
  Thesis: Asymmetric Synthesis of Bis-indoles and Indole Derivatives Aided by Chiral Phosphoric Acid Ion Pairing
Yu Zhang (In absentia)

COMPUTER SCIENCE
Tahrima Mustafa
  Thesis: Behavioural Authentication in Virtual Reality Environments
Maede Rayatidamavandi
Neda Tavakoli

DATA SCIENCE
Ishaan Bhandari
Shamar D. Bradley
Rubie Jale Parcon Castillano
Pradnya Harshawardhan Chahande
Ratnam Dubey
Mayuresh Manohar Indapurkar
Seema Rani Kanuri
Kunyu Li (In absentia)
Jingjing Liu
Sayali Kashinath Mahajan
Heath Titus McCasland
Naveen Krishna Murakonda
Sai Goutham Natarajan
Raymond Chidiebube Obidegwu
Miguel Fernando Papadopulos
Conner Keith Phares
Abdul Hannan Qazi
Rashmita Rout
Partha Sarathi Satpathy
Gaurav Singh
Swathi Suresh
Raymond Everett Taylor
Jorge Trevino, Jr.
Joshua Evan Williams
Alexander Xavier Wohletz

ENVIRONMENTAL TOXICOLOGY
Melissa Ann Sandoz
  Thesis: Occurrence and Effects of Veterinary Pharmaceuticals on West Texas Playa Wetlands

FAMILY AND CONSUMER SCIENCES EDUCATION
Kyley Elizabeth Brooks-Anderson
Elizabeth Espino
Jennifer Ann Lopez (In absentia)
Sascha Rae Woodward

FOOD SCIENCE
Gabriela Alejandra Arteaga Arredondo
  Thesis: International Development and Capacity Building for the Implementation of Food Safety Regulations in Produce: A Focus on the Food Safety Modernization Act

FORENSIC SCIENCE
Nicholas William Knowlton

GEOGRAPHY
Michelle Grace Freyder
  Thesis: The Effect of Recreational Boat Traffic on the Distribution of Curly-Leaf Pondweed (Potamogeton crispus) in Manitowish Waters, Wisconsin
Floyd William Holder IV (In absentia)
  Thesis: A Geographical Analysis of Western Texas College District Service Area

GEOSCIENCES
Georgene Anne Aaroe
  Thesis: Age and Tectonic Significance of Niobium-Yttrium-Fluorine (NYF)-Pegmatites in the Tysfjord Region, Nordland, Norway
Andres Javier Corredor
  Thesis: Seismic Investigation of the Upper Mantle of Western South America
Atiya Olivia Daresburg
  Thesis: Global Mapping of 410 Km Upper Mantle Boundary Using PP Precursor Waves
Eric Tyler Friedman (In absentia)
  Thesis: Comparing Siliciclastic Content of Ramp to Rimmed Carbonate Slope Deposits During Relative Sea Level Highstand
Siyu Ji
  Thesis: Ryan Anis Gad Khalil Mahmoud (In absentia)
Alden Richard Netto (In absentia)
  Thesis: Delineating the Ocean-continent Crustal Boundary in the Gulf of Mexico Using Heat Flow Measurements
Angela Michelle Norman (In absentia)
  Thesis: The Provenance of Icelandic Volcanic Sand: Significance of Black Sand Origin and Implications for Sampling Mars Regolith
Audrey Nicole Pattat (In absentia)
James Daniel Pike (In absentia)
  Thesis: Cyclicity, Dune Migration, and Wind Velocity in Lower Permian Eolian Strata, Manitou Springs, CO
Tyler C. Roy (In absentia)
  Thesis: Conodont Fauna of the Excello Shale (Middle Pennsylvanian), Midcontinent North America

HOSPITALITY AND RETAIL MANAGEMENT
Sarah Jessica Diaz
Lauren Brooke Finnell
Haley Lucas (In absentia)

HUMAN DEVELOPMENT AND FAMILY STUDIES
Cindy Martinez Garza
  Thesis: Foster Youth Aging Out of Foster Care and Their Relationships with Caregivers
Miriam Nicole Lieway
  Thesis: Set up for Success or Set up for Harm? Untangling the Relationship between Sexist Attitudes and Contemporary Norms of Femininity among College Women

INTERDISCIPLINARY STUDIES
Matthew Todd Weaver (In absentia)

KINESIOLOGY
John Devin Ashley (In absentia)
  Thesis: The Effects of L-citrulline Supplementation on Energetic Cost of Walking: An Age Comparison
Renee Lee O’Dell
Jose Gonzales Pineda (In absentia)
  Thesis: Effect of Compression Garments on Physical Activity Patterns and Perceived Exertion in Trained Adults

MARRIAGE AND FAMILY THERAPY
Taylor Suzanne Ballard
Timothy Ciochon
Natalie C. Johnson
Michelle Renee Luna
Ashley Lauren Newman
Dustin Ryan Perkins
Katelyn Nichole Pevehouse
Cydney Alexandra Schleiden
Stephanie T. Villarreal
Sydney Erin Wenglein
Mazie Dario Zelinski

MATHEMATICS
Annabel Elizabeth Offer Meade (In absentia)

MICROBIOLOGY
Matthew David Romero

NUTRITIONAL SCIENCES
Gates Leander Malachi Anderson
  Thesis: Incentivizing Lifestyle Modification to Reduce Disease Burden
Alexandria Leigh Faubion
  Thesis: Seismic Investigation of the Upper Mantle of Western South America

FORENSIC SCIENCE
Nicholas William Knowlton

GEOGRAPHY
Michelle Grace Freyder
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Tyler C. Roy (In absentia)
  Thesis: Conodont Fauna of the Excello Shale (Middle Pennsylvanian), Midcontinent North America
PHYSICS
Reza Moulavi Ardakani
Hadeel Mohammedzaki Zahid
*Thesis*: Structural, Vibrational and Thermal Properties of Some Type II Tin-based Clathrates

PLANT AND SOIL SCIENCE
James F. Grant
Prakash Parajuli
*Thesis*: FTIR Microspectroscopy Study of Compositional Changes in Biological Samples

SPORT MANAGEMENT
Hannah Carroll Limmer

STATISTICS
Yujia Pan
Li Sun (*In absentia*)
Yumin Xie

WILDLIFE, AQUATIC, AND WILDLANDS SCIENCE AND MANAGEMENT
Abdullah Ibrahim A Alsulaiman
Sylvia Cristina de la Piedra Yanes
*Thesis*: Nesting Ecology and Home Range Sizes of Lesser Prairie-chickens (*Tympanuchus pallidicinctus*) in West Texas and Eastern New Mexico: Relationships to Remotely-sensed Vegetation Seasonality Patterns
Morgan Christine Jennison (*In absentia*)
*Thesis*: Quantifying Zebra Mussel Impacts on Harmful Algal Bloom Species in Texas Reservoirs Using Environmental DNA Surveys
Mark David Johnson (*In absentia*)
*Thesis*: Detection and Analysis of Airborne Environmental DNA from Terrestrial Plant Communities
Colton Dean Laws
*Thesis*: Status and Long-Term Use of Artificial Escape Dens by Swift Foxes in Northwest Texas
Seydou Jocelyn Toé
*Thesis*: Distribution of Golden Alga in the Brazos River and Rio Grande Basins

ZOOLOGY
Luke A. Rankin (*In absentia*)

MASTER OF SCIENCE IN ACCOUNTING
Isaac Aguileria
Kevin Patrick Amsler
Carson Dean Bernard
Kristal Joellyn Carmona
Caitlin Vantonia Cataldi
Brittney Ann Ettinger
Garrett Mason Glocar
Sarah Beth Hagan
Sophia Marie Hardin
Madison Claire Harris
James Michael Hendrix
Brooke Marie Henney
Roshan Hingorane
Jett Lee Johnson
Trent William Jones (*In absentia*)
Madeline Else Kana
Aby Charles-Aymeric Noel Mel
Andrew Ray Ortiz
John Morgan Pousson
Lauren Renner
Chelsi Renay Sandoval
John Metzger Scott
Jake Ryan Tenner
Daniel McFarland Walsh

MASTER OF SCIENCE IN CHEMICAL ENGINEERING
Teja Adepu
*Thesis*: Kinetic Regime Determination and Metal Loading Effects in Methane Aromatization
Sherif Mobolaji Azeez
Chuan Liang
Momeneh Moradiafrapoli (*In absentia*)
*Thesis*: Experimental Study of the Snap-in Effect and Liquid Marble Deformation

MASTER OF SCIENCE IN ELECTRICAL ENGINEERING
Yousef Khaled Alsanie
Abd Hjab Y Hazmi
Santiago Miguel Novoa (*In absentia*)
*Thesis*: Modeling and Design of a Wind Turbine System Coupled to a CV Transmission Operating in the West Texas Region
Maha Ambalangoda Palliyaguruge Neshadha Perera

MASTER OF SCIENCE IN MECHANICAL ENGINEERING
Hugo Alejandro Arenas
Kafil Uddin Ahammed Chowdhury
*Thesis*: Dose to the Skin of Human Leg Model from Monoenergetic Beta Sources Uniformly Distributed on Soil with Surface Roughness
Kevin J. Hill
Jia-Yu Lin (*In absentia*)
*Thesis*: Combustion Properties of MgO for UVA Emission
Sabestine Okolie Nnorodim
Ritwik Rakshit (*In absentia*)
*Thesis*: Kinematic Design of an Anatomically-accurate Exoskeleton Knee Joint
Indranil Sinha
*Thesis*: Effect of Flow Instabilities on Oil Displacement in Regular and Irregular Porous Network

MASTER OF SCIENCE IN MECHANICAL ENGINEERING
Danny Javier Perez Romero

MASTER OF SOCIAL WORK
Rebecca Olynda Baake

PROFESSIONAL SCIENCE MASTER’S
ENVIRONMENTAL SUSTAINABILITY AND NATURAL RESOURCE MANAGEMENT
Kady Beth Gallagher
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.”

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.

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**BACHELOR OF SCIENCE**

**AGRICULTURE**

- Ashley Taylor Jones
- Crockett Carter Speer
- Joshua Kail Vaughan

**AGRICULTURAL AND APPLIED ECONOMICS**

- Justin Riley Brown
- Dalton Wayne Cooper
- James Adair Elliott, Jr.
- Gabriel Stevenson Gumm
- Austin James Harlan
- Graham Hampton Lavine
- Elizabeth Lynn Maker
- Kolt Sterling Moreland
- Cody Martin Morgan
- 2nd Degree: General Business
- Justin Lane Ogle
- Zachary Ramsey Simonds
- Wilson Robert Sims
- Keane Riley Stokes
- Ashley Anne Thiel
- Justine Cole Vaughn

**AGRICULTURAL COMMUNICATIONS**

- Macy Rae Fangman
- Blair Eden McCowen

**ANIMAL SCIENCE**

- Ninfa Alejandra Beltran
- Jess Nathan Carney
- Harlee Elizabeth Cogdell
- Brian Aaron Cooperman
- William Rutledge Johnston
- David Chance Kelley
- Cierra Rae Provan
- Logan Mills Robb
- Zane Evin Webster
- Bradley Joseph Wright

**INTERDISCIPLINARY AGRICULTURE**

- Patrick Joseph Byrne
- Bradley Ellis Honeycutt
- Kyle Ross Howard
- Robert Stephen Hughes
- Jonathan Chase Nieman
- Riley Brandon Smith

**NATURAL RESOURCES MANAGEMENT**

- Dominik Matthew Chilleri
- Stephen J. Kielius
- Mark Warren Nall
Anish Prakash Tendolkar
Desi Ann Toupin

PHILOSOPHY
Evonne Eberie Ginigeme
Brian Romero
Jason Lee Woody
2nd Major: Political Science

POLITICAL SCIENCE
Abby Christina Austin
Joshua Ibitamuno Benstowe
Austin Rayne Pace
Jessica Reine Peisen
Sara Elisabeth Ratliff
Brittney R. Smith
Raquel Alexandra Sorola
Kelli Elizabeth Warren

PSYCHOLOGY
Jesse Alexander Aguayo
Christopher Lee Best
John Collier Campbell
Stacey Contreras
Miranda Elizabeth Crown
Sean Kelly Davis
Angela Michelle Deloera
Breanna Noel Dickey
Heriberto Fuentes
Valarie Brooke Gawron
Milad Ghalehei
Adam Jackson Guay
Griffen Michael Johnson
Kathleen Nicole Kelley
Stan Terrelle King
Bethlehem Worku Legesse
Krista Rene Marquez
Leslie Frances Moseley
Angelica Magarita Ramirez
Angelica Breanne Rivas
Rammon Jay Saenz
Quashane R. Salmond
Victoria Renee Skillings
Quincee Starr Smires
Justin Edward Thetford
Ashley Christine Villalva

SOCIOLOGY
Joshua Quinn Anderson
Briana Irene Bohac
Hayley May Boydston
Chelsea Denae De Leon
Jenna Margaret Gangl
Caitlin Rebekah Hullum
Paul Daniel Lukeman
Julian Brian McKinney
Natasha Ayesha Nembeth-Aririugwo
Kyle Richard Niederkorn
Roman Christian Padilla

SPANISH
Jakob Tolland Arstein
Gustavo Alonso Caceres
2nd Degree: Kinesiology
Fernando Moncada, Jr.
Cristina Alejandra Viramontes

TECHNICAL COMMUNICATION
Kayla Elizabeth Boyett
Ashley Diane Leal
Eric Grimes Sullivan
Joshua Taylor Wise

BACHELOR OF GENERAL STUDIES
Jacob Morgan Acosta
Clark Michael Ashmore
Baylen Thomas Brown
Elizabeth Fintry Burton
Cavanaugh Phil Castilleja
Mary Elizabeth Dysinger
Brittney Ann Etie
James Alan Fischer
Grant Alexander Glendening
Lydia L. Gonzalez
Lessie Jean Harrison
Justina Lee Hastings
Jesika Lashea Hawkins
Benjamin W. Hayden
Chad Fredrick Huff
Mondrae Donnell Ingram
Pamela Jordan
Kelly Anne Kaska
Makenna Lorraine Kilfoyle
Maxwell Chance Lowrance
Elizabeth Marie Martinez
Robert E. McCall
Erin E. McCade
Grace Ellen McGinnis
Derek Montgomery
Taylor Mckinley Nolan
Matthew Manuel Ordones
Kelsey Jordan Pryor
Matthew James Recek
Kara Michelle Reinecke
Clint Louis Riddle
William R. Russell
Nathan Edward Salois
Jared David Skopik
Breanne Elizabeth Snyder
Dalus Alldon Starns
Samuel Michael Stout
2nd Degree: Kinesiology
Ashley Renee Waznik
Tenisha Roshea Woodard

BACHELOR OF SCIENCE

BIOCHEMISTRY
Ahmed Gamal Metwally
Evan Jamal Van Aalst

BIOLOGY
Nicolette Osaze Aghedo
Stephanie Efiong Akwaowo
Octavio Angel
Austen Wade Aylor
Murielle Lydwine Boum Ndimal
Edward Anthony Caldera III
Rhea Morgan Cypert
2nd Major: Chemistry
Douglas Michael Dalke
Heidi Renee Dennler
Brittany Lynn Dowdell
Ellis Kyle Ebow
Ashley Nicole Edling

KINESIOLOGY
Kerrigan Kisean Allen
Kayla Renee Andrews
Aaron Christopher Bischof
Andrea Elizabeth Blair
Ryder Lee Bounds
Erin Kate Burgeson
Mckenzie Alissa Carmack
Tanner Louis Case
Callie Marie Eagan
Caden Scott Eckert
Chidi Rodney Ekeke
Cole Frizzell
Victoria Nicole Garza
Cruz-Edwin Hernandez
Mason Trent Holley
Justin John Howells
Amara Heather Hull

1Summa Cum Laude  2Magna Cum Laude  3Cum Laude  4With Honors  5With Highest Honors
UNDERGRADUATE CANDIDATES

CARTER WILLIAM SEIDEL
AUBREY XAVIER LIPTAK
AARON ANTHONY IPSER
TANNER DANIEL HODGE
ALFREDO HERNANDEZ
LUKE GARRETT EURESTI
HARLAN HIMES BURK
TRAVIS ALLEN WENDT
CAMERON WILLIAM WAITES
JACK WILLIAM TRISCHETT
SAMANTHA R. STOKES
TAYLOR SHEA SIEBENTHALL
SHANE LEWIS SHARP, II
GINO JARED SAUCEDO
IVAN NOE SANCHEZ
GINO JARED SAUCEDO
SHANE LEWIS SHARP, II
TAYLOR SHEA SIEBENTHALL
SAMANTHA R. STOKES
JACK WILLIAM TRISCHETT
CAMERON WILLIAM WAITES
TRAVIS ALLEN WENDT

BACHELOR OF SCIENCE

ACCOUNTING
Ryan Matthew Adams
Isaac Aguilera1
Kevin Patrick Amstler1
David Babatope
Cameron Malik Batson3
Carsen Dean Bernard2
Jaden Raylee Binford
James Joseph Bush4
Kristal Joellyn Carmona3
Caityn Antonia Cataldi1,4
Brittney Ann Ettinger2
Sophia Marie Hardin1,4
Madison Claire Harris2
Collin Brooks Heidenheimer
James Michael Hendrix1
Brooke M. Henney1,4
Roshan Hingorane
Jeff Lee Johnson
Madeline Elise Kana3
Anthony Dwain Lyons
Victoria Andrea Magana
Kimberlyn Mary McCoy
Chase Levi McRellan3
2nd Major: Finance
Chrissy Ann-Marie Morris1
Kylie Michelle Nezaughton1,4
Katy Lynn Nolen
Amos Jon Nugent
Andrew Ray Ortiz2
Dalton Christopher Pipkin
John Pousson3
Jennifer C. Ramirez
Lauren Renee' Renner
Jezenya Lyzette Renteria3
Hunter Joseph Rittimann3
John Metzger Scott1,4
2nd Major: Management Information Systems
Warren Boyd Shepherd
James Alton Stanford II
Kaylee Rae Stockton
Jake Ryan Tenner
Bradley Michael Veselka
Daniel McFarland Walsh
Alexandria Elizabeth Whitworth3
Danielle Zamora-Younger

ENERGY COMMERCE
Adam Michael Lorente

FINANCE
Robert Ryan Grey1
Craig Michael Grossman
Cameron Michael Lambo
Jacob Edward Mason
William Cameron McAllister
Connor Neal Milton
Chase Mitchell
Kent Cullum Morgan
William Hodge Patrick
Stephen Latimer Schlenker
Samuel Sha Stephens
Tyler Bee Sturdivant1

BACHELOR OF SCIENCE

IN INTERNATIONAL ECONOMICS
Harlan Himes Burk
Luke Garrett Euresti
Alfredo Hernandez
Tanner Daniel Hodge
Aaron Anthony Ipsper
Aubrey Xavier Liptak
Carter William Seidel

BACHELOR OF ARTS

GENERAL BUSINESS
Chase Ray Andrews
Hugo Cesar Dojas
Noah Heann
Forrest James Warren

INFORMATION TECHNOLOGY
Alexander James Buslawski

INTERNATIONAL BUSINESS
Caleb John Hare
Victoria Hinneburg
Brandon William Maxwell12
2nd Major: Accounting

MANAGEMENT
Shae Nicole Bailey
Madeline Grace Bowman
Randall Layne Bynum
Elizabeth Marie Campo4
2nd Major: Accounting

MANAGEMENT INFORMATION SYSTEMS
Kade Bryant Anderson
Niklas J.S. Anderson
Riley Cole Barrett
Edward Alexander Broussard
Robert Alexander Gonzalez-Marin
Jacob Thomas Parker
Maxime Francois Uncovsky

MARKETING
Sydni Nicol Bednarz
John Russell Bennett
2nd Major: Management
Collin Hunter Beshar
John Paul Boudreaux
2nd Major: Management

INFORMATION SYSTEMS
Kade Bryant Anderson
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John Russell Bennett
2nd Major: Management
Collin Hunter Beshar
John Paul Boudreaux
2nd Major: Management
<table>
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<tr>
<th>Name</th>
<th>Honors</th>
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<tr>
<td>Dania Michelle Dominguez</td>
<td>Summa Cum Laude</td>
<td>Supply Chain Management</td>
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<td>Norma I. Dominguez</td>
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<td>Arthur Pachekha Ybarra</td>
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UNDERGRADUATE CANDIDATES

Dexter James Berend
Michael Christopher Falcon
Henry John Gaus III
John Phillip Hayes
Mohd Iskandar Faris Lok Bin Irfan
Kyle Dean Jennings
Aaron Joel Kite
Christopher Lee Koslosky
Joshua Patrick Macfie
Alexi Marie McCallick
James Louis Moreno, Jr.
Nnamdi Ejike Nwankwo
Kenneth Alan Peters
Samuel Anthony Rodriguez

ENVIRONMENTAL ENGINEERING
James Robert Raveney

INDUSTRIAL ENGINEERING
Tracy Ifeoma Nwalie
John Zhang

MECHANICAL ENGINEERING
Elonte Cristar Allen
Daniel Arturo Alvarado
Ikenna Chukwudi J. Amaliri
Stephen Timothy Brach
Barton Reese Courtney
Jason Scott Darholt
Joshua Alan Dorsey
Brandon Douglas Dudley
Ryan Wayne Evans
Abel Ewere
Abanoumb Nabil Fahmy
Jackie T. Gregory
Robert Kainoa Grigsby
Kenneth Joe Helton III
Kyle Benjamin Humphrey
Tiery Valdes Kamdem Fotso
Talor D. Nunez
Avery Ashton Rains
Blake Layne Randolph
Forrest Clark Rankin
Anthony Bruce Sayas
Michael John Sievers
Daniel Edward Talley
Cody Allen Whipple
Luciana Marina Zucconi

PETROLEUM ENGINEERING
Asse Olivia Lauraine Aneye
Jose Carlos Barba Franco
George Henry Cassidy III
Tommy Cui

BACHELOR OF ARTS
HONORS ARTS AND LETTERS
Karla Reyes

BACHELOR OF INTERIOR DESIGN
Catherine Conrad
Patricia Jeanett Gonzalez Salas

BACHELOR OF SCIENCE
APPAREL DESIGN AND MANUFACTURING
Cayce Deane Atwood
Sara Elizabeth Blackwell
Victoria Morgan Duran
Doncianno Guerra, V
Sarah Noelle Lawrence
Tugce Massey
Erin Roberta McBride
Nakota Michelle Raines
Katy Madalyn Stauffer

COMMUNITY, FAMILY, AND ADDICTION SCIENCES
Chandler Hansen Barnett
Phillip Taylor Daigre
Michael Aaron Daniels
Alyssa Marie Goldstein
Amber Marie Hemphill
Grant Nelson Williams
Dara Faye Wise

HUMAN DEVELOPMENT AND FAMILY STUDIES
Tiffani Nicole Anderson
Hannah Danielle Brown
Hannah Michele Collins
Kristin Lee Collins
Haleigh Amber Coston-Riza
Kayli Noel Curda
Amanda Lenee Edwards
Amanda Michelle Fancher
Grayce Hallie Garrison
Justine Marie Gonzalez
Jordan Baylee Graves
Rebekah Nicole Guzman
Ashley Hernandez
Dustin A Hernandez
Breonda Nicole Hinojos
Caitlin Marie Jones
Jordi Elizabeth Newman
Shevon Ambang Ngwanah
Bonnie Kate Olson
Brittany Nicole Pacheco
Marissa Sorola
Haylie Lindsey Torres
Danielle Nicole Tresslar
Jessica Lee Veillon
Fernanda Melissa Villar
Yasman Pierre Weaver
Taylor Lynn Wilkins

NUTRITIONAL SCIENCES AND DIETETICS
Rachel Rennie Brown
2nd Degree: Music
D’Taine Donnell

RESTAURANT, HOTEL, AND INSTITUTIONAL MANAGEMENT
Arman Abbassi
Paul James Andress
Kelsey Lynn Carpenter
Ryan Romero Catano
Madison Elaine Fare
Hunter R. Griffin
Kerrl Ann Laginess
Faith Nicole Lewis
Megan Raye Loudermilk
Chelsey Shea Means
Gareth Michael Noel
Yash Kirti Patel
Michael Philip Rawls
Naomi Elizabeth Snider
Ethan Wilson

RETAIL MANAGEMENT
Lexi Rae Bader
Kaitlyn Elizabeth Evans
Alicia Elizabeth Hinz
Sarah Sharron Muller
Alyssa Lauren Taft

1Summa Cum Laude
2Magna Cum Laude
3Cum Laude
4With Honors
5With Highest Honors
## Undergraduate Candidates

### Bachelor of Arts

#### Advertising
- Austin Jonathan Adams
- Lauren Lee Canale
- Taylor Jake Elkins
- Andrew Patrick Harper
- Jacob Nathan Head
- Alen Jacob
- Melanie Rose Martin
- Megan Tyler Russell
- Sydney Cherie Spiegel

#### Communication Studies
- Riley Elizabeth Arrott
- Bryan James Bott
- Jackie J’Nae Boyd
- Robby Christine Daigle
- Robert L. Eschenburg IV
- Julia Jordan Greene
- Mason Charles Hicks
- Jose Luis Melendez
- Madisen Brielle Seale
- Emily Caroline Wiley
- Julia Marget Wilkerson

#### Electronic Media and Communications
- Kinsey Elizabeth Akins
- Nathan Andrew Bell
- Mitchel A. Boulit
- Thomas William Briggs
- Taylor Aaron Dees
- Joshua William Engard
- Cody Alexander England
- Nicholas Scott Goodfellow
- Max Douglas Herber
- Molly McDowell Jamison
- Timothy Duane Keener
- Jamie Lynn Lasiter
- Robert Montes
- Ryan David Ordmandy
- Andrea Mary Pletcher
- Carlos Joel Rojas
- Karson Brianne Scharold
- Ciara Christine Stamper
- Desiree Alyssa Trevino
- Evan J. Wilson

#### Journalism
- Kristen Jo Barton
- Kdichi Kimberly Lawrence
- Brice Elliott Paterik

#### Media Strategies
- Ariel Raquel Enchinton
- Jacob Abraham Kline
- Ryan Michael Kravik
- Nicholas Martin Majka
- Matthew Ric Martinez
- Thomas Cronin McCarthy
- Alyssa Caitlin McCoy
- Jordan Ryan Vines
- Brenda Alejandra Wallace
- Gwendolyn Nichole White
- Matthew F. Young

### Bachelor of Science

#### University Studies
- Luis Casares
- Barrett Duncan
- Kyle M. Eggemeyer
- Chase Philip Eubanks
- Deana Leigh Fleming
- Grant Matthew Greenblum
- Jonathan Hernandez
- Andrew Dale Keaton
- Harrison Robert King

### Public Relations
- William Austin Aldama
- Danny Paul Antoine II
- Mackenzie Lee Belz
- Daisy Clementine Bernet
- Alexandra Lee Hansen
- Kaden Michal Harper
- Holley Elizabeth Jacobson
- Kerri Jeanine Kirkpatrick
- Valerie Tani Lauderdale
- Chelsey Bryjon Matticks
- James Michael McIlwain
- Margaret Rose Mullins
- Justin Ray Palacios
- Morgan Rose Perkins
- Savannah Paige Peterson
- Alyssa Rene Shaw
- Brandi Sara Smith
- Hailey Ann Willingham

### Wind Energy
- Zachary Alexander Barnes
- Bryson Cole Beatty
- Gary Michael Bunch
- Tucker Berry Eagle
- William John Frame
- Caleb Timothy Lawson
- Jaudat Ahmed Mumtaz
- Victor Manuel Ovalle Jr.
- Jeremy Ross Overby
- Steven Zachary Precopia
- Zackery Tyler Renshaw
- Andres Rico
- Christian Alexander Wharton

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

#### Bachelor of Arts
- Dance
  - Kathryn Lea Parker
- Music
  - Alec Lee Williams

#### Theatre Arts
- Brittaine'Tr’a'Shon Francois-Hearne

#### Bachelor of Fine Arts
- Art
  - Lindsey Nicole Gomez
  - Brandyen Nicholas Hurley
  - Ashlea Sarepta McCleskey
  - LeRon Lee Wilson

#### Theatre Arts
- Alexis Jordan Qaiyyim
- Kyle Anthony Williams

#### Bachelor of Music
- Desiray Correa
- Grant Alexander Easdon
- Ashley Lynn Platkowski
- Jennie Eujin Sung
- Avery Elyse Turner
- Christa Nichole White

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1 Summa Cum Laude  
2 Magna Cum Laude  
3 Cum Laude  
4 With Honors  
5 With Highest Honors
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-right quadrant, a book symbolizes religion and academic traditions. A star in the upper-left 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 proportions 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, Leadership, Service” to represent the primary roles of the college as a unit dedicated to preparing teachers and furthering educational scholarship, leadership, and service. The Double T logo appears at the bottom of the banner.

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

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

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

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

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

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

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

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

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

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

HONOR CORDS / MEDALLION

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

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

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

COMMENCEMENT DVD

The Texas Tech Alumni Association encourages graduates to order a Texas Tech Commencement DVD to commemorate their achievement. The $45 purchase also will include a one-year Texas Tech Alumni Association gift membership. This membership will help graduates stay connected to Texas Tech. To reserve a copy of today’s ceremony, complete and mail an order form located at one of the tables in each corner of the concourse. Do not leave the forms on the tables. Please mail them to the address on the form. To learn more about the Alumni Association, visit www.TexasTechAlumni.org or call 806.742.3641.
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)
1:30 p.m.

- DOCTORAL and MASTERS
- HUMAN SCIENCES ALL-UNIVERSITY PROGRAMS

9:00 a.m.

- DOCTORAL and MASTERS
- HUMAN SCIENCES ALL-UNIVERSITY PROGRAMS
- WIND ENERGY ENGINEERING
- VISUAL & PERFORMING ARTS
- BUSINESS ADMINISTRATION

- ARTS & SCIENCES
- EDUCAION MEDIA & COMMUNICATION
- ARTS & SCIENCES
- EDUCATION MEDIA & COMMUNICATION
- ARTS & SCIENCES
- AG. SCIENCES HONORS ARCHITECTURE
- ARTS & SCIENCES
- MEDIA & COMM. AG. SCIENCES HONORS ARCHITECTURE

- STAGE

- STAGE

- denoted by
- denoted by
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.