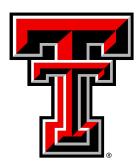


FALL 2017 COMMENCEMENT

DECEMBER 15-16 Lubbock, Texas





TEXAS TECH UNIVERSITY®

FALL 2017 COMMENCEMENT

Friday, December 15, 2017 Saturday, December 16, 2017 UNITED SUPERMARKETS ARENA 3:00 p.m. and 7:00 p.m. 9:00 a.m. and 1:30 p.m. LUBBOCK, TEXAS

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MISSION

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

TEXAS TECH UNIVERSITY ADMINISTRATION

LAWRENCE E. SCHOVANEC, Ph.D.

President;

Professor of Mathematics and Statistics

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 **IOSEPH HEPPERT, Ph.D.**

Vice President for Research, Professor of Chemistry

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. L. FREDERICK "RICK" FRANCIS

Chairman El Paso, Texas

MR. TIM LANCASTER

Vice Chairman Abilene, Texas MR. JOHN ESPARZA

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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

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

Dean, School of Law; Professor of Law

STEVE FRAZE, Ph.D.

Interim Dean, College of Agricultural Sciences & Natural Resources; Professor, Agricultural Education and Communications

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

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

ABOUT TEXAS TECH UNIVERSITY

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 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.







Photo credit: Makenzie Harrison, Student Media





Photo credit: Makenzie Harrison, Student Media



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.

Friday, December 15, 2017 3:00 p.m.

Presiding Dr. Lawrence Schovanec

President, Texas Tech University

Processional* Texas Tech Commencement Band

Dr. Sarah McKoin, Conductor

National Anthem Mr. Corbin Jay DeSpain

Graduating with a Bachelor of Music

Welcoming Remarks Mr. Tim Lancaster

Vice Chairman, Board of Regents, Texas Tech University System

Introduction of Commencement Speaker Dr. Lawrence Schovanec

Commencement Address Mr. Abner Euresti

Conferring of Degrees Dr. Lawrence Schovanec

Dr. Michael Galyean

Provost and Senior Vice President

Presentation of Bachelor's Degree Candidates Dr. W. Brent Lindquist

Dean, College of Arts & Sciences

Recognition of Outstanding Students

Class of 2017

Dr. Michael Galyean

Charge to the Graduates

Dr. Lawrence Schovanec

Alma Mater

(Words on Back Cover)

Mr. Corbin Jay DeSpain

Recessional*

Texas Tech Commencement Band

^{*} Please remain seated during the Processional and Recessional

Friday, December 15, 2017 7:00 p.m.

Presiding Dr. Lawrence Schovanec

President, Texas Tech University

Processional* Texas Tech Commencement Band

Dr. Sarah McKoin, Conductor

National Anthem Ms. Rebecca Marie Tann

Graduating with Bachelor of Music

Welcoming Remarks Mr. J. Michael Lewis

Board of Regents, Texas Tech University System

Introduction of Commencement Speaker Dr. Lawrence Schovanec

Commencement Address Mr. Abner Euresti

Conferring of Degrees Dr. Lawrence Schovanec

Dr. Michael Galyean

Provost and Senior Vice President

Presentation of Doctoral and Dr. Mark A. Sheridan

Master's Degree Candidates Vice Provost for Graduate and Postdoctoral Affairs;

Dean, Graduate School

Mr. Nathan Thomas McCarty

Graduating with a Bachelor of Music

Dr. Michael L. Galyean

Recognition of Outstanding Students

Class of 2017

Charge to the Graduates Dr. Lawrence Schovanec

Alma Mater

(Words on Back Cover)

Recessional* Texas Tech Commencement Band

^{*} Please remain seated during the Processional and Recessional

Saturday, December 16, 2017 9:00 a.m.

Dr. Lawrence Schovanec Presiding

President, Texas Tech University

Processional* Texas Tech Commencement Band

Dr. Sarah McKoin, Conductor

National Anthem Ms. Rebecca Marie Tann

Graduating with Bachelor of Music

Welcoming Remarks Mr. John B. Walker

Board of Regents, Texas Tech University System

Dr. Lawrence Schovanec Introduction of Commencement Speaker

Commencement Address Mr. Abner Euresti

Conferring of Degrees Dr. Lawrence Schovanec

Dr. Michael Galyean

Provost and Senior Vice President

Presentation of Bachelor's Degree Candidates Dr. David Perlmutter

Dean, College of Media & Communication

Dr. Noel Zahler

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

Dr. Patrick Hughes

(presenting University Studies and Wind Energy degrees)

Associate Vice Provost, Undergraduate Education and Student Affairs

Dr. Margaret L. Williams

Dean, Jerry S. Rawls College of Business

Recognition of Outstanding Students Class of 2017

Dr. Michael Galyean

Charge to the Graduates

Dr. Lawrence Schovanec

Alma Mater

Mr. Nathan Thomas McCarty

(Words on Back Cover)

Graduating with a Bachelor of Music

Recessional*

Texas Tech Commencement Band

^{*} Please remain seated during the Processional and Recessional

Saturday, December 16, 2017 1:30 p.m.

Presiding Dr. Lawrence Schovanec

President, Texas Tech University

Processional* Texas Tech Commencement Band

Dr. Sarah McKoin, Conductor

National Anthem Ms. Carrie Leigh Cunningham

Graduating with a Bachelor of Music

Welcoming Remarks Mr. J. Michael Lewis

Board of Regents, Texas Tech University System

Introduction of Commencement Speaker Dr. Lawrence Schovanec

Commencement Address Mr. Abner Euresti

Conferring of Degrees Dr. Lawrence Schovanec

Dr. Michael Galyean

Provost and Senior Vice President

Presentation of Bachelor's Degree Candidates Dr. Linda C. Hoover

Dean, College of Human Sciences

Dr. Robin Lock

Vice Dean, College of Education

Dr. Steve Fraze

Interim Dean, College of Agricultural Sciences & Natural Resources

Dr. Michael San Francisco *Dean, Honors College* Mr. Jim Williamson

Dean, College of Architecture

Dr. Al Sacco, Jr.

Dean, Edward E. Whitacre Jr. College of Engineering

Recognition of Outstanding Students

Class of 2017

Dr. Michael L. Galyean

Charge to the Graduates

(Words on Back Cover)

Dr. Lawrence Schovanec

Alma Mater

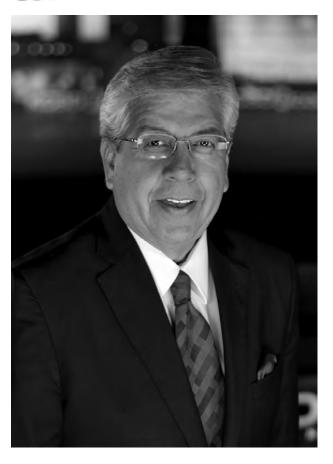
Ms. Carrie Leigh Cunningham

Recessional*

Texas Tech Commencement Band

^{*} Please remain seated during the Processional and Recessional

COMMENCEMENT SPEAKER



Abner Euresti is the evening anchor and managing editor for KCBD-TV, the NBC affiliate in Lubbock, Texas. Abner grew up in Lubbock in a family of seven children. He graduated from Lubbock High School before attending Texas Tech University, where he earned his bachelor's degree in Telecommunications.

Abner is an anomaly in the television news business, because his entire broadcast career has been at one station. He chose KCBD for an internship his senior year at Texas Tech. After graduation, he was hired as a night-side reporter and weekend producer. In 1980, he was paired with Karin McCay—also a Texas Tech alumnus—as an evening anchor. In the 1990s, Abner and Karin led KCBD to the top spot in the news ratings for the market, a status maintained to this day. Abner and Karin are now the longest-running local news anchor team in the country. As managing editor, Abner provides input into policy decisions and daily news coverage, and he has the final approval on all news content.

As a reporter, Abner has covered all aspects of life on the South Plains. He chronicled historic events in Lubbock from the desegregation of public schools to the forced change of city council elections to the closure of Reese Air Force Base. Abner covered legislative sessions in Austin, including several inaugurations. His reporting duties have taken him from Phoenix to Austin to New York City. A highlight was his reporting from Mexico City's earthquake in 1985. Abner has been recognized by the Texas Associated Press Broadcasters in the categories of Best General Assignment Reporter, Best Series, and Best Newscast. He is a Silver Circle Inductee of the Lone Star Emmy Awards.

In addition, Abner has been commended for excellence in education reporting, which includes the Silver Apple Award from the Lubbock Classroom Teachers Association and statewide awards from the Texas State Teachers Association, the Association of Texas Professional Educators, and the Texas Parent Teacher Association. As a strong advocate for education, Abner is a frequent speaker at schools and related activities, which includes events and mentoring programs that target at-risk students. For that, Abner received a State Board of Education Hero Award.

In recognition of his work in his field and in the community, Abner has received a number of awards and honors. Some include: Texas Tech University Outstanding Mass Communication Alumnus, Raiders Rojos Distinguished Alumni, Good Scout Award – South Plains Council of Boy Scouts, Texas Tech University College of Education Friend of Education Award, Boys and Girls Club Alumni Hall of Fame, Honor Roll – Volunteer Center of Lubbock, Volunteer Fundraiser of the Year – Association of Fundraising Professionals, Texas Tech University School of Medicine Dean's Distinguished Service Award, Community Leader Award – LULAC, Lifetime Achievement Award – Los Hermanos Familia, and a PTA Honorary Lifetime Membership

Abner's involvement in the community has afforded him the opportunity to serve on many boards and committees, including: United Way Speakers Bureau, Lubbock Area Foundation, Women's Protective Services, Volunteer Center of Lubbock, National Kidney Foundation – Lubbock, Lubbock Libraries Board, Children's Miracle Network National Host Council (Chair), Texas Tech University Mass Communications Alumni Council, and the Lubbock ISD Dropout Task Force.

Abner's dedication to the community is further exemplified by his involvement with the Children's Miracle Network, which benefits UMC Children's Hospital. Abner and Karin are the longest-running hosts for Children's Miracle Network and have been recognized nationally for outstanding achievement. They are the face of an effort that has raised more than \$20 million for UMC Children's Hospital. A Pediatric Treatment Room at UMC is named in their honor.

ACKNOWLEDGEMENTS

CONVOCATIONS COMMITTEE

Mr. Matthew Schlief, Chair

Ms. Heidi Winkler, Co-chair

Mr. Ian Barba

Ms. Shelley Barba

Dr. Alan Barenberg

Dr. Shane Blum

Dr. Rhonda Boros

Ms. Luciana Cavazos

Dr. Julie Chang

Dr. Danny Choi

Mr. Don Collier

Dr. Fanni Coward

Dr. John Dawson

Ms. Amiee Dixon

Prof. Genevieve Durham

Dr. Nadia Flores

Dr. Kristi Gaines

Dr. Courtney Gibson

Mr. Samuel Gilbert

Dr. Roxie Godfrey

Mr. Ben Haugland

Dr. Vijay Hegde

Ms. Laura Heinz, Advisor

Mr. Adam Howard

Dr. Catherine Jai

Mr. Jesse Jou

Mr. Sangram Khandagale

Dr. David Klein

Dr. Belinda Kleinhans

Dr. Jonathan Marks

Dr. Barent Mccool

Ms. Shoen Montgomery

Dr. Mark Moore

Mr. Damian Pantoya

Dr. Michelle Pearson

Mr. Tom Rohrig

Dr. Jhones Sarturi

Ms. Carrye Syma

Mr. Jake Syma

Dr. Marcus Tanner

Dr. Leslie Thompson

Mr. Von Venhuizen

Mr. Seth Warren-Crow

Dr. Richard Watson

Ms. Lynn Whitfield

Ms. Feruzan Williams

Dr. Aliza Wong

MUSIC ENSEMBLE

The commencement music ensemble is comprised of students from the Texas Tech University School of Music under the direction 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 Convocation Committee and the Office of Official Publications at Texas Tech University, Garrett McKinnon, Director, and Cheryl Hedlund, Senior Editor.

COLLEGE READERS

Agricultural Sciences & Natural Resources -

Dr. Erica Irlbeck

Architecture - Mr. Darrick Wade

Arts & Sciences - Dr. David Roach

and Ms. Jackie Manz

Business - Mr. Derrick Ginter

Education - Dr. Doug Hamman

Engineering - Mr. Derrick Ginter

Graduate School - Dr. Bill Gelber and

Dr. Coy Callison

Honors College – Dr. Erica Irlbeck

Human Sciences - Dr. Bill Gustafson

Media & Communication - Dr. Todd Chambers

University Programs - Dr. Marcus Tanner

Visual & Performing Arts -

Dr. Angela Mariani Smith

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

This program is an unofficial list of Fall 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 conferral of degrees is the student's permanent academic record kept by the Office of the Registrar.

STUDENT BANNER BEARERS

Agricultural Sciences & Natural Resources -Mr. William George Dodge

Architecture – Mr. Jonathan Tayler Matz

Arts & Sciences - Ms. Tessa Nicole Vaughan

Business - Ms. Sydney Adele Bosco

Education - Ms. Margaret Taylor DePriest Engineering - Ms. Stephanie Richelle Dixon

Graduate School - Ms. Amanda Dawn French

Human Sciences - Ms. Lorena Posadas

Honors College

3:00 p.m. - Mr. Brian Romero

9:00 a.m. - Ms. Sarah Stewart Draper

1: 30 p.m. - Ms. Jessica Blair Shepherd Media & Communication - Ms. Traci Sue Couch

University Programs - Mr. Torico Jovon Price

Visual & Performing Arts -

Ms. Gabrielle Marie Jordan

FACULTY BANNER BEARERS

3:00 p.m. - Kelly Cukrowicz, Ph.D. Professor of Psychological Sciences, College of Arts & Sciences

7:00 p.m. - Douglas B. Smith, Ph.D. Associate Professor of Marriage and Family Therapy, College of Human Sciences

9:00 a.m. - Ronald K. Mitchell, Ph.D. Professor of Entrepreneurship and Jean Austin Bagley Regents Chair in Management, Jerry S. Rawls College of Business

1:30 p.m. -Deborah C. Fowler, Ph.D. Professor of Hospitality and Retail Management, College of Human Sciences

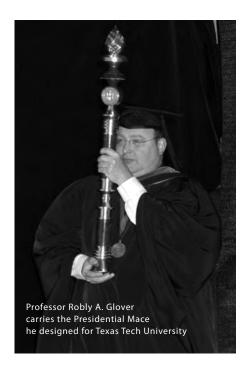
LIBRARY BANNER BEARERS

3:00 p.m.- Mr. Joshua Salmans 9:00 a.m. - Mr. Jack Becker

1:30 p.m. - Mr. Innocent Awasom

PRESIDENTIAL MACE

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



MACE BEARERS

Graduate School Ceremony

Associate Professor of Political Science College of Arts & Sciences

Undergraduate Ceremonies

3:00 P.M., DECEMBER 15 BROCK WILLIAMS, PH.D. **Professor of Mathematics and Statistics** College of Arts & Sciences

9:00 A.M., DECEMBER 16LUKE LEFEBVRE, PH.D. **Assistant Professor of Communication Studies** College of Media & Communication

Associate Professor of Natural Resources Management College of Agricultural Sciences & Natural Resources

GRADUATION HONORS

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

Sydney Adele Bosco Rodrigo Burberg Caitlyn Elizabeth Busby Traci Sue Couch Lisa Jill Dalgliesh Margaret Taylor DePriest Stephanie Richelle Dixon William George Dodge Zachary Glenn Foster

Samantha Marlene Gonzalez Kathrvn Elizabeth Green Isaac Asa Griswold-Steiner Claire Reagan Hall Gabrielle Marie Jordan Victoria Maria Lainez Kara McKenzie Lamb Brittany Michelle Lee Rosalva Martinez

Lori Catherine Means Kinzie Shina Milare Marty R. Murphy **Douglas Matthew Patterson** John Preston Patterson William Lee Penn Brooklyn Elizabeth Pettigrew Lorena Posadas Christina Lori Rowan

Carolyn Hannah Simonis Chloe Lin Snell Michaela Alyse Sutterfield Amanda Renee Thibeaux Anish Timila Tessa Nicole Vaughan Jamie Katherine Voyles William Garrett Younger

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

AGRICULTURAL EDUCATION

Anna Christine Bates

Dissertation: An Examination of the Home Visit Process: A Historical Look within the Context of Agricultural Education and Current Status Among California Agriculture Teachers Major Professor: Scott Burris

EDUCATIONAL LEADERSHIP

Susan Kolar Bohn

Dissertation: The Decision to Employ In-house Counsel in Texas School Districts: The Process and Impact on District Leadership Major Professor: Fred Hartmeister

Carleton Porter Cutrell

Dissertation: An Examination of the New Mexico Early College High School Model and its Effect on the College and Career Readiness of Participants Major Professor: Fernando Valle

Darryl Glen Flusche

Dissertation: A Narrative Study of Principal Leadership Practices in High Performing, High Poverty Texas Elementary Schools Major Professor: Fernando Valle

HIGHER EDUCATION ADMINISTRATION

Nancy Garcia

Dissertation: An Exploration of the Perceptions of Lead Administrators about Practices Pertaining to the Retention of Tacit Knowledge within their Non-academic Units at a Medium-sized Public University

Major Professor: Dave Louis

Samuel George West

Dissertation: College Students Who Have Experienced Homelessness: A Phenomenological Study Exploring Their Perceptions of and Experiences with Student Support Services Major Professor: Stephanie J. Jones

DOCTOR OF MUSICAL ARTS

MUSIC

Arlandra Arnett Harvey

Dissertation: Tin Pan Alley: Propaganda in the American Popular Songs of George M. Cohan During World War I Major Professor: Rebecca Hays

Guan-Jen Huang

Dissertation: New Arrangements of Selected Taiwanese Popular Songs for the Early-Elementary Piano Student Major Professor: Carla Cash

Sun Yong Hwang

Dissertation: The Value of the Person-centered Approach for Teaching and Learning in Piano Lessons

Major Professor: Carla Cash

Minji Lee

Dissertation: A Pedagogical Approach to Teaching Left-handed Piano Repertoire Major Professor: Lora Deahl

Ekaterina Alekseyevna Paniukova

Dissertation: The Effects of Feedback Timing on Fine Motor Sequence Learning Major Professor: Carla Cash

Muhammad Mezraq Ramli

Dissertation: Jenni Brandon, Colorist Landscape Composer Three Selected Works for Oboe Major Professor: Amy Anderson

Hyeseung Seo (In absentia)

Dissertation: Teaching Children to Develop an Aural Sensitivity to Dynamic Inflection and Timing Major Professor: Lora Deahl

Benjamin James Still

Dissertation: Adapting Karel Husa's Concerto for Alto Saxophone and Concert Band for Large Saxophone Ensemble Major Professor: David Dees

DOCTOR OF PHILOSOPHY

AGRICULTURAL AND APPLIED ECONOMICS

Fric Asare

Dissertation: The Economics of Precision Agricultural Adoption by Cotton Producers in the Southern United States Major Professor: Eduardo Segarra

AGRICULTURAL COMMUNICATIONS AND EDUCATION

Austin Joe Burrow

Dissertation: A Look at Behavior-based Safety Program Effectiveness: A Qualitative Study of Participants' Perceptions of Safety Program Effectiveness in a Bayer CropScience's Cottonseed Delinting Plant Major Professor: Courtney Gibson

ANIMAL SCIENCE

Peter William Cook

Dissertation: Identification of Genetic, Phenotypic, and Transcriptomic Differences in Virulence-attenuated Strains Relative to Fully Virulent Strains of *Listeria monocytogenes* Major Professor: Kendra Nightingale

Nanditha Jasti

Dissertation: Efficacy of Lactic Acid, Hot Water, and Acidified Sodium Chlorite for the Reduction of Non-O157 Shiga Toxin Producing Escherichia coli (STEC) on Hot Carcass and Chilled Beef Subprimals in Comparison to Escherichia coli O157:H7

Major Professor: Mindy Brashears

Jongkyoo Kim

Dissertation: All-trans Retinoic Acids and Chromium Regulate Physiological Changes through Altering Gene and Protein Expressions in Bovine Muscle and Adipose Cells Major Professor: Bradley Johnson

BIOLOGY

Christine Marie Prater (In absentia)

Dissertation: The Role of Tectal Corticotropinreleasing Factor (CRF) Neurons in Approach and Avoidance Behavior in the African Clawed Frog,

Xenopus laevis

Major Professor: James Carr

CHEMICAL ENGINEERING

Sriramvignesh Mani

Dissertation: Structural and Dynamic Properties of Penetrant Molecules in Unsupported and Supported Hydrated Gels Major Professor: Rajesh Khare

Meng Wang (In absentia)

Dissertation: Predicting Wax Appearance Temperature and Precipitation Profile of Normal Alkaline Systems: A Selective Co-crystal Model Major Professor: Chau-Chyun Chen

CHEMISTRY

Drew Timothy Brandon

Dissertation: Motivation Factors in

Flipped Classes

Major Professor: Dominick Casadonte

Suresh Babu Mummadi

Dissertation: Highly Efficient "Inverse" Frustrated Lewis Pair Catalysts for Hydrogenation Reactions Major Professor: Clemens Krempner

Ranjith Kumar Nadipalli

Dissertation: Abiotic and Biotic Stress-tolerance Mechanisms Operative in Brassicaceae Species

Major Professor: Paul Paré

Shuo Qiao (In absentia)

Dissertation: GAP (Group Assisted Purification) Chemistry and its Applications in Asymmetric

Reactions

Major Professor: Guigen Li

Ye Zhang

Dissertation: Studies of Microfluidic Affinity Cell Separation for Bioanalysis and Clinical Application

Major Professor: Dimitri Pappas

CIVIL ENGINEERING

Dylan Carl Christenson

Dissertation: Investigation of Membrane-aerated Biological Reactors Treating a High Strength Waste Stream

Major Professor: Audra Morse

Suranga Krishantha Gunerathne Dissertation: Analysis of Circular Tank Foundation on Multilayered Soil Using

Variational Approach

Major Professor: Hoyoung Seo

CLINICAL PSYCHOLOGY

Tishanna Renee Hollins

Dissertation: The Effects of Daily Emotional Experiences and Emotion Avoidance on Within-person Eating Disorder Symptoms Major Professor: Andrew Littlefield

COMPUTER SCIENCE

Evgenii Balai

Dissertation: Investigating and Extending P-Log

Major Professor: Michael Gelfond

CURRICULUM AND INSTRUCTION

William J. Bryan

Dissertation: Using a Project-based Learning Approach to Determine and Extend Students Ideas about Gardening and Interpret Group Interactions in Constructing a Semester Project within a Chemistry Course at a Rural Community College Major Professor: Shirley Matteson

Delia Maria Carrizales

Dissertation: Examining Elementary Preservice Teachers' Mathematics Common Content Knowledge and Specialized Content Knowledge Related to Base 10 Concepts Major Professor: Raymond Flores

Jacqueline Fernandez

Dissertation: The Journey of Undocumented Latino Students in Pursuit of STEM Technical Degrees and Careers

Major Professor: Kristopher Childs

Rhoda Lynn Goldberg

Dissertation: Doctoral Students' Concerns Implementing Global Collaborative STEM

Education

Major Professor: Jessica Gottlieb

Batool A. Haq

Dissertation: Educational Needs of a Growing Community: A Multiple-case Study of Three Islamic Schools

Major Professor: Jian Wang

Maxey Lee Hooks

Dissertation: A Case Study: Retaining Quality Teachers with Longevity and Exploring Teachers' Perception of Their Impact on Student Achievement in a Rural Setting Major Professor: Shirley Matteson

Denise Nicole Lara

Dissertation: An Examination of a Teacher Education Program's Curriculum and Its Candidates' Multicultural Teaching Competencies: A Transformative Mixed-Methods Study

Major Professor: Patriann Smith

Alexandra Davis Owens (In absentia) Dissertation: Development of Student Communication in STEM using Virtual PBL-based Global Collaboration Projects Major Professor: Rebecca Hite

Roshea L. Phillips

Dissertation: Rejecting the Pathological Discourse of African American Males: A Narrative Inquiry into the Academic Success Stories of Five African American Males

Major Professor: Heather Greenhalgh-Spencer

Staci S. Thomas

Dissertation: Becoming a Global Educator: A Phenomenological Study of the Possible Selves of Science Teachers as Global Educators Major Professor: Walter Smith

Ibrahim Halil Yeter

Dissertation: Preliminary Development of an Engineering Pedagogy Scale Major Professor: Walter Smith

Megan Kate York

Dissertation: Going Global: Exploring the Behavioral Intent of STEM Pre-service Teachers in a Global Collaboration Focused Teacher Preparation Course Major Professor: Rebecca Hite

ECONOMICS

Azadeh Jalali Naini

Dissertation: Strategic Manipulation of Online Reviews: An Experimental Investigation Major Professor: Michael Noel

EDUCATIONAL PSYCHOLOGY

Julianna Faith Carpenter

Dissertation: Managing Student Bullying through Classroom Climate: A Professional Development Workshop Aimed at Increasing Teacher's Self-efficacy Major Professor: Patricia Hawley

Nancy Grace Coffey

Dissertation: Social Processes Related to Bullying: A Professional Development Workshop for Increasing Pre-service Teachers' Self-Efficacy Major Professor: Patricia Hawley

ELECTRICAL ENGINEERING

Malini Ghosal

Dissertation: Enhancing Smartgrid Situational Awareness and Resiliency to Data Attack Using Dynamic State Estimation Major Professor: Vittal Rao

ENVIRONMENTAL TOXICOLOGY

Amanda Dawn French

Dissertation: Toxicokinetics and Sources of Lead in American Woodcock (Scolopax minor) Major Professor: David Klein

Mary Jennifer Hayden

Dissertation: Toxicity Testing and Hormone Analyses for Cetacean Health Assessments Major Professor: Céline Godard-Codding

Richard Phillip Oates III (In absentia)

Dissertation: Biophysical Modeling to
Improve Analytical Methodology in
Environmental Toxicology

Major Professor: David Klein

EXPERIMENTAL PSYCHOLOGY

Dmitrii Aleksandrovich Paniukov

Dissertation: Multiple Memory System Interactions in Reinforcement Learning Major Professors: Tyler Davis and Roman Taraban

FINE ARTS

Ryan P. Johnson (*In absentia*)

Dissertation: The Devil We Know: The Evolving Depictions of the Devil in American Theatre,
Film and Television, 1980-2017

Major Professor: Mark Charney

Benjamin McIver Slate

Dissertation: Daughters of Troy/The Unspoken Scream: Theatre and The Normalization of

Wartime Rape

Major Professor: Dorothy Chansky

GEOSCIENCES

Fahad Abdulaziz F. Almutlaq (In absentia))

Dissertation: Analysis of Dune Morphology Within the Rub' al Khali Using Geospatial Technology

recilliology

Major Professor: Kevin Mulligan

Thu Thi Bich Nguyen

Dissertation: An Evaluation of Coastal Flooding Risk Due to Storm Surge under Future Sea Level Rise Scenarios in Thua Thien Hue Province, Vietnam Major Professor: Jeffrey Lee

Jason Michael Post

Dissertation: Human Interactions with the Aquatic Ecosystems of The Los Angeles River: The Creation of the LA River as a Human Landscape and the Effect of the Exotic Fish on Human Activity

Major Professor: Perry Carter

HIGHER EDUCATION RESEARCH

Allison Ruth Perrin

Dissertation: Medical Students' Perceptions of Their Self-regulation in the Pre-clinical Medical School Curriculum: A Phenomenological Exploration Major Professor: Stephanie J. Jones

Joel S. Self

Dissertation: Students with Learning Disabilities during Transition from High School to College: Disclosure Behaviors, Beliefs of Needs, and Autonomous Regulation as Predictors of Intent to Use Accommodations

Major Professor: Valerie Paton

HISTORY

Sean Patrick Webb

Dissertation: Christianity and Community Identity in Yokohama, 1859-1873 Major Professor: Patricia Pelley

HOSPITALITY ADMINISTRATION

Chinyere Stephanie Acho

Dissertation: Root Tourism: A Mixed-Methods Study of Nigerian Diasporans and Their Intention to Travel Back to Nigeria for Tourism Major Professor: Barent Mccool

McDaniel William Ubi

Dissertation: Multi-generational Hotel Branding: Investigating Brand Equity in Millennial-friendly Hotels Major Professor: Tim Dodd

Sungpo Yi

Dissertation: The Secret to Success: How Can Small Restaurant Owners Challenge the Restaurant Giants?

Major Professor: Shane Blum and Catherine Jai

HUMAN DEVELOPMENT AND FAMILY STUDIES

Katherine Nicole Gerst

Dissertation: Ambivalent Sexism and Traditional Patterns of Housework: Why Women Still Perform Most of the Work at Home Major Professor: Alan Reifman

Yang Liu

Dissertation: Child and Maternal Risk and Protective Factors for Anxiety and Depression in Infancy

Major Professor: Yvonne Caldera

Debbie Ann Evelyn Neckles

Dissertation: Maternal Migration: Children's Perception of Being Left Behind Major Professor: Yvonne Caldera

MARRIAGE AND FAMILY THERAPY

Sarah Anne Schonian

Dissertation: Development and Preliminary Validation of the Co-addiction Scale Major Professors: Spencer Bradshaw and Sterling Shumway

MATHEMATICS

Gangadhar Acharya

Dissertation: A Study of University Mathematics Outreach Programs – Findings and Implications Major Professor: Gary Harris

Thotahewage Mihiri Madushani De Silva Dissertation: Continuous-time Models of Plankton Interactions and a Discrete System of Larch Budmoth Population Major Professor: Sophia Ruey-Jen Jang

Rangana Nayanakalum Jayawardhana

Discretation: Iterative Learning Control for Discrete-time MIMO Systems and It's Non-linear Systems and Cooperative Learning Control Major Professor: Bijoy Ghosh

Shiva Shankar Rai

Dissertation: Cardinality of Pseudo-endpoints of Chainable Continua

Major Professor: Wayne Lewis

Hongwei Wang

Dissertation: The Action of the Kauffman Bracket Skein Algebra of the Torus on the Skein Module of 3-twist Knot Complement Major Professor: Răzvan Gelca

MECHANICAL ENGINEERING

Annasi Wattege Chandika Dimantha Annasiwatta Dissertation: Control of Hysteresis in Vanadium Dioxide Thin Films: Real-Time Models and Unification of Optical and Electrical Properties Major Professor: Jordan Berg

Kaushik Das

Dissertation: Synthesis and Characterization of Rare Earth Nanophosphors for Potential Lightemitting Diodes and Bio Applications Major Professor: Jharna Chaudhuri

Walter Gutierrez Rodriguez

Dissertation: Low-Level Jet — Wind Turbine Interactions and Their Impacts on Performance, Power Production and Mechanical Responses: A Numerical Approach

Major Professor: Luciano Castillo

Adam Wayne Stroud

Dissertation: Development of Net Shape Structural Titanium Manufacturing Capability Using the System of Systems Design Approach Major Professor: Atila Ertas

MEDIA AND COMMUNICATION

Collin Kristopher Berke (In absentia)

Dissertation: Communication-evoked Mental Imagery Processing: An Examination of the Role Dynamic Internal Allocation of Cognitive Resources Has on Public Service Messaging Effectiveness Major Professor: Justin Keene

Travis James Loof (*In absentia*)

Dissertation: Comparing the Influence of Perceptions of Avatars and Agents in Overcoming Resistance to Persuasion in Serious Video Game Training

Major Professors: Andy King and John Velez

NUTRITIONAL SCIENCES

Ashlee Lane Bakirci-Taylor

Dissertation: Assessment of the Mobil Jump2Health™ Intervention to Increase Fruit and Vegetable Intake in Children Ages 3 – 8 Major Professor: Debra Reed

PERSONAL FINANCIAL PLANNING

Areerat Lertchaipitak

Dissertation: Three Essays on Gender Differences in the Search for Financial Information

Major Professor: John Gilliam

Jacob William Lumby

Dissertation: Three Essays on Managing

Risk in Retirement

Major Professor: Christopher Browning

PETROLEUM ENGINEERING

Ahmed Abdelrahman Aboueln Mohamed Dissertation: Methods and Systems for Ballooned Hydraulic Fractures and Complex Toe-to-heel Flooding Major Professor: Lloyd Heinze

PHYSICS

Sonaina Undleeb

Dissertation: Search for Non-Thermal Dark Matter in Monojet Events in Proton-Proton Collisions at $\sqrt{=13\text{TeV}}$ Major Professor: Shuichi Kunori

PLANT AND SOIL SCIENCE

Bui Phu Nam Anh (*In absentia*)

Dissertation: Understanding the Molecular

Mechanism of Cotton Fiber Initiation

Major Professor: Venugopal Mendu

Addissu Gebre Ayele

Dissertation: Impacts of Within-plant Variability on Fiber Quality, Fiber Density and Ring Spun Yarn Quality of Upland Cotton Cultivars

Major Professor: Eric Hequet and Brendan Kelly

Sumedha Priyadarshani Liyanage

Dissertation: Exploring Potential Applications
for Fourier Transform Infrared

Microspectroscopy Imaging

Major Professor: Noureddine Abidi

Travis Wilson Witt (*In absentia*)

Dissertation: Exploring the Variability of Morphological, Agronomic, and Fiber Quality Traits to Improve Cotton's Response to Deficit Irrigation

Major Professor: Glen Ritchie

POLITICAL SCIENCE

Daniel B. Bailey

Dissertation: Latinos in the Great Plains: Rural Water Politics in the 21st Century Major Professor: Robert Forbis

SPECIAL EDUCATION

Kimberley Michelle Walton-Peak

Dissertation: Three Perspectives Examining the Resiliency of Individuals with Dyslexia Major Professors: Janna Brendle and Donna Brown

SYSTEMS AND ENGINEERING MANAGEMENT

Gary L. Null

Dissertation: An Empirical Investigation of Lean Six Sigma Tool Selection in a Program Management Organization Major Professor: Jennifer Cross

MASTER OF AGRIBUSINESS

Jeremy James William Webb

MASTER OF ARCHITECTURE

Nedhi Miriam Abraham Caleb Ryan Allison Roberto Becerra, Jr. Girmay Kifle Berhie (In absentia) Cinthya Cecilia Berrocal Sotelo **Beatriz Carrillo** Andrea Victoria Chavira **Alexis Flores** Mark Alan Freres Josue Ricardo Garcia Ana Elisa Gonzalez Colin Nathanael Alton Havens Matthew Steven Hawiszczak Jonah Jedediah Hubbard Mason Garrett Kerr Caleb Todd Lightfoot Alexander Lee Littlepage Adolfo Jose Lopez Joaquin Jacobo Montes Eduardo Manuel Moreno Hannaphen Cristine Park Alberto Rafael Ponce Mario Alberto Ramos Ismael Rivera **Esteban Robles** Joseph Reid Stone Jeremy Andrew Vardaman Itzel Villafranca Daniel A. Voights

MASTER OF ART EDUCATION

Kim Lou Timmons

MASTER OF ARTS

COMMUNICATION STUDIES

Nicole Marie Brown (In absentia) Paul Bryson Carroll

ECONOMICS

Abdulrahman Abdulaziz Albahouth

Thesis: The Impact of Oil Prices on the
Exchange Rate of Oil Producing Countries

EXPERIMENTAL PSYCHOLOGY

Adam Michael Braly (In absentia) Elizabeth Marie Briones (In absentia) Adam Thomas Cann (In absentia) Miles Ventura Condon (In absentia) Natalie Ruth Lodinger Taleen Nalabandian Benjamin Phillip Widlus

HERITAGE AND MUSEUM SCIENCES

lan Michael Babowicz Siu On Chan Bethany Michelle Cheshire Kayci Nicole Rush Lauren Taylor Shaw Ernst

HISTORY

Emily Acosta
Naomi Alaine Chapman
Thesis: Indian Overtures: Mediating
Non-Alignment through Classical
Music in Cold War Diplomacy
Jeramey Gillilan
Thesis: "Liberty is of American Birth:" The
Pennsylvania Gazette and the French Revolution
Gavin Rogus

Thesis: From Common Criminals to Destroyers of Liberty: Perceptions of the Army in Seventeenth Century England

INTERDISCIPLINARY STUDIES

Mykiala Briana Baltimore
Crystal Dawn Blair
Ivonne CookTaylor (In absentia)
Jordan Alexander Davis
Kelly Hunter Griggs-Bell
Hunter Reid Jenkins
Luis Antonio Morales
Christopher Ahmad Payne
David Leroy Pointer III
Thesis: Fifty Nifty Islamic States: An
Analysis of Inter-Jihadist Relations
Destiny Nichole Rosales
Luke David Stice
Liza Renée Tijerina

LANGUAGES AND CULTURES

Nawaf Khamis Alanazi

MASS COMMUNICATIONS

Candice Mae Clark
Jeffrey Craig Hunter
Preston Douglas Jordan
Jennifer Ann Kielius
Nathan Collins Kirksey (*In absentia*)
Madison Ann McCarty
Meredith Leigh Meador
Susanna-Elise Neidhardt
Alyssa Rosanne Peden
Marissa Anne Rivera
Casey A. Smith (*In absentia*) *Thesis*: Toxic Behavior in Online
Cooperative Game Play

Patricia Marie Vitela Kalem Jamiel White Charles Eugene Wilson IV

MATHEMATICS

Jianna Lynn Davenport (In absentia)

POLITICAL SCIENCE

George M Bander Justin Michael Carter Kerry Lashell Chavez Stephen Daniel Davis (In absentia)

PSYCHOLOGY

Abigail Camille Cruz (In absentia) Parker James Donner Joseph Tyler Hunter Brieann Nicole Olafsson (In absentia)

Klaudia Pereira

ROMANCE LANGUAGES

Zachary G. Brandner (In absentia) Elizabeth Jane Hammond

SOCIOLOGY

Jonah Andrew Higginbotham

Thesis: The Consequences of Weight-based Stigma on Authority and Social Legitimacy: A Multimethod Examination of Student Perceptions Servet Tas

Thesis: "I Like to Be Muslim American:" The Experiences and Factors that Affect Acculturation and Identity Formation of Muslim Americans

> STRATEGIC COMMUNICATION AND INNOVATION

Miranda Elizabeth Alvarez Cynthia Lynn Buckle Abies Carlo Guadalupe Cruz

Kelly Jo Eblen

Stephanie Marie Gordon (In absentia)

Jessica Bagwell Jackson Martin Kwaning

Veronica Barranco Marks Joseph Lee Martinez Carolyn Ann McMenemon Rachel Adrienne Parker Alexis Rafael Ramos

Micaela Ivette Rosinski

TECHNICAL COMMUNICATION

M. Kevin Burnett (In absentia) Justin Robert Hall

Arthur Phillip Paré

MASTER OF BUSINESS ADMINISTRATION

GENERAL BUSINESS

Hossein Abbaszadeh Shahri Nicolas Arkells (In absentia)

Emily Jane Babel Hope Elyse Baker James Richard Bethke

Ryan Michael Blake (In absentia)

Haley Elizabeth Brown John Daniel Buie

James P. Connell

Wade Alan Cosgrove

Carly Rae Cox

Brittany Suzanne Curtis

Stephen Daniel Davis (In absentia)

Paolina Isabel De Los Santos

Jordan David Dver Stuart Francis Gaston

Lauren Nicole Gillespie

Brek Thomas Grazda Patrick Robert Gres

Kyle Mitchell Hansard

Matthew Steven Hawiszczak

Joshua Andrew Hernandez

Ricky Hernandez

Keith A. Kalka, Jr.

Tamaryn T. King

Harrison Michael Kinney

Richmond Dinoy Kopp

Timothy Micah Loveland (In absentia)

Matthew Michael Maciula

Ryan David Magnino

John T. Martinez IV

Paige Nicole McCain

Brian William McPhee

Michelle Marie Melrose

Tyler Edward Merolla

T. Austin Monceret (In absentia)

Nicholas Sloan Morgan

RB Neely III

Andy Khang Nguyen

Alejandro Rey Oropez

Praful Ashok Parmar (In absentia)

Justin Cole Parmer (In absentia)

Robert Wheeler Peckham

Jeremy Christopher Perry

Eric Christopher Piontek Jack Walter Pirner

Taylor Bradlee Potts

Nicole Stone Reeves

Kelsey Nicole Robison

Misael Roias

James Brian Rose

Steven Charles Rule

Omar Avman Saleh

Mark Jeffus Sandlin

Britton Calvin Smith

Matthew Thomas Smith (In absentia)

Geoff R. Stafford

William Edgar Stewart III

Parker Gil Swanson

Mary Teoh

Nicholas Ray Todd

Christopher Tran (In absentia)

Cody A. Tucker

Travis Layne Urbanovsky (In absentia)

David Allen Whigham (In absentia)

Erin Nicole Wiederkehr

Margaret Elizabeth Wilson

Drew Oneal Worth

Zeno Ames Yeates II (In absentia)

MASTER OF EDUCATION

COUNSELOR EDUCATION

Monica Miranda Aguirre

Amanda Evelyn Benson (In absentia)

William Grant Parker

CURRICULUM AND INSTRUCTION

Teresa Lvnn Bullock

Veronica Elizabeth Castillo Vazquez

Sara Joy Chandler

Daphne Delgado Noelle Dragisic Hall

Rhett Irons Hartsfield (In absentia)

Chelsea Lynn Hoover

Sarah Hailey Limas (In absentia)

Taelor RiCae Loftis

Anna McLaughlin Rubalcava

Lauren Elise Swaringen

Jayme Lyn Unruh

EDUCATIONAL LEADERSHIP

Celia Carolyn Bellot

Chess William Long

Tina Michelle Martinez

Steven Scott Swindoll

Chelsey Kathleen VeDepo

EDUCATIONAL PSYCHOLOGY

Merve Akin Tas

Thesis: Examining Graduate Students'

College Teaching Self-Efficacy Beliefs

Youngha Woodard Oh

INSTRUCTIONAL TECHNOLOGY

Joel Scott Adkins (In absentia)

Amber Renee Goetz

David Joshua Maxwell

Oguzhan Ozturk (In absentia)

Anthony Michael Salinas

Selin Deniz Uzunosmanoglu Matthew Wayne Warner (In absentia)

SPECIAL EDUCATION

Haley Patricia Agriesti

Luz Irene Apodaca

April N. Ayala

Robin A. Berrey Melanie Leanne Brookshire (In absentia)

Brittany Bourne Cataldo

Erin Kate Catrett (In absentia)

Nikkolina Rayne Chandler

Enrika Dell Chavez Elena G. Cisneros (In absentia)

Nacona Anne David

Hillel Asher Davis

Derek Raymond Downie

Brittany Nicole Evans

Sydney Kate Fidlar

Christin Hope Fierro Dina L. Fuselier Adelaida Michelle Garcia Rosa Flena Garza Shelby Michelle Gill (In absentia)

Lauren A. Gillespie

Jamie Hrycushko Grebe(In absentia)

Jessica O'Callaghan Grisham

Susan Christine Grubbs

Adrienne Elaine Hamm

Stefnie Powers Hancock William Chad Harris (In absentia)

Kimberly R. Harvey Jordan

Serena Elinor Hebert (In absentia)

Samantha Ann Hilbert

Sara Elizabeth Hogan

Paisley Renee Hubbard

Jessica Patricia Ketchum

Emily Grace LeDoux

Brandy J. McAlister

Krystal Hale Melton

Piagete Lanton Nobles

Savanah Hope O'Brien

Lo Gayle Olmos

Jonda Jewell Patterson

Maria Guadalupe Quintero

Jacqui Michelle Rausch (In absentia)

Irma Guadalupe Rojas

Belinda Rosas

Savannah Ann Rovira

Cassandra J. Sergeant

Kasi Whitlow Shofner

Kelci Cheyenne Singleton (In absentia)

Ashley Baylor Smith (In absentia)

Adriana Melissa Smith

Guadalupe Solis

Donna E. Sorensen (In absentia)

Dorinda Michele Thompson

Hallie Christine Timmons

Priscilla Torres

Richard Luis Torres

Rachel Elizabeth Van Zant

Ryan Joseph Weiche

Tyhesha N. Whitlow

Lee Tyler Williams (In absentia)

Megan Rae Young

MASTER OF ENVIRONMENTAL **ENGINEERING**

Gage Anderson King Jennifer Marie Ramirez Richard Wayne Stanfield, Jr.

MASTER OF FINE ARTS

ART

Anthoney Thomas Wise

THEATRE ARTS

Hannah Jo Anderson

MASTER OF LANDSCAPE ARCHITECTURE

Caitlin Maria Dodson

MASTER OF MUSIC

Candice Lane Aipperspach (In absentia) Heather Michelle Beltz

Thesis: The Power of Sound: Music and Magic in Pre-Christian Irish Folklore Ailin He

MASTER OF MUSIC EDUCATION

Angela D. Bradford Simin Fani

MASTER OF PUBLIC **ADMINISTRATION**

Odera Blessing Anyasinti Chelsey Raye Baldivia Özen Eren Kyle Mitchell Jacobson Benjamin James Montecillo Siobhan Auna Garcia Shahan Margaret Mary Williams

MASTER OF SCIENCE

AGRICULTURAL AND APPLIED **ECONOMICS**

James Michuki Muriuki Thesis: Impacts of Improved Bean Varietal Adoption on Income and Food Consumption in Uganda

AGRICULTURAL COMMUNICATIONS

Ariana Linette Bigham

Thesis: The Effect of Source Credibility and Gender on Message Persuasiveness

Diane Catherine Meyer

Thesis: A Content Analysis of Gluten-Free Diet Coverage in Major U.S. Newspapers Bryce Wayne White

Kimberly Nicole Woodward

AGRICULTURAL EDUCATION

Lane M. Halfmann (In absentia) Kelsea Drew Jones

Thesis: Perceived Attitudes of Agricultural Competitive Events by Participants and Parents of Participants at the Houston Livestock Show and Rodeo

Kristie Leigh Keys

Blake Tyler Vineyard

ANIMAL SCIENCE

Mallorie Renee Phelps

Thesis: Consumer Assessment of Lamb Eating Quality in the United States

Tyler Adam Vogel

Thesis: Body Weight and Implant Effects on Animal Performance, Sera Metabolites and Blood Pressure in Feedlot Cattle

ATMOSPHERIC SCIENCE

Allison Kathleen Bogusz

Thesis: Modeling the Nonlocal Effects of Summer Growing Season Irrigation in the Great Plains

BIOLOGY

Amie Sueann Sommers

Thesis: Phenotypic Flexibility and Energy Demand: Insectivorous Bat Response Through the Summer Active Season

BUSINESS ADMINISTRATION

Robin Lydia Daniel Cindy C. Iwuagwu Christopher George Reid-Gordon (In absentia) Zena Chisom Udeh

COMPUTER SCIENCE

Nicholas Ryan Brannan (In absentia)

Xin Chen (In absentia)

Ali Akbar Nosrati

Thesis: On Simulating Data Centers with

Redfish™ -enabled Equipment

Omar Rodriguez Santiago

Saranya Shanmugam

Thesis: Secure Server Administration Made Easy:

A Mobile Computing-leveraged Password

Management System

Qing Xie (In absentia)

DATA SCIENCE

Ratnam Dubey Seema Rani Kanuri

ENVIRONMENTAL TOXICOLOGY

Steven James Lasee (In absentia)

Thesis: Plant Uptake of Six Per- and Polyfluoroalkyl Substances under Maximum Uptake Conditions Jessica M. Mauricio

Thesis: Effect of Select Perfluorinated Compounds on Hatching Success of, and Biomass Accumulation in, the House Cricket (Acheta domesticus)

FAMILY AND CONSUMER SCIENCES EDUCATION

Tyler Steven McKee Jessica Ellen Stapper (In absentia)

FOOD SCIENCE

Erin Michelle Castelli

Thesis: Reduction of Shiga-Toxin Producing Escherichia coli (STEC) and Salmonella in Cattle Manure Using Lactobacillus L28 as an Environment Mitigation Treatment in the Feedlot Darvin Abel Cuellar Milian

Thesis: Evaluating the Antimicrobial Effect of Microwaves and Low Temperature Storing Conditions on STEC-inoculated Beef Intended for Intact and Non-intact Beef Products

Vamsi Krishna Sunkara Thesis: Reduction of Pathogenic Bacteria in Ground Beef Using Lactobacillus-based **Biological Intervention**

FORENSIC SCIENCE

Ted James Yoakum

GEOSCIENCES

Danielle Elizabeth Keathley (In absentia) Thesis: Geochemical Characterization of a Feeder-dike System in the Seiland Igneous Complex, Northern Norway: Implications for Geotectonic Environment of Emplacement Stephen Vincent Telford Nguyen Thesis: East Humboldt Range, NV

HORTICULTURE SCIENCE

Emily Mae Graff (In absentia) Alicia Ann Patridge

Thesis: The Impact of Differing Urban Lawn Characteristics on Bee Richness on the Southern High Plains

Ramzi B. White

Thesis: Suppression of Shoot Growth and Improved Putting Green Performance with Plant Growth Regulators

HOSPITALITY AND RETAIL MANAGEMENT

Lindsey D. Ables Joseph S. Klevpas Martha Jane Rush Johanna Valencia (In absentia) Jennifer Lynne Wimer

HUMAN DEVELOPMENT AND FAMILY STUDIES

Amy Marie Cox

Thesis: Language Assessments of Pre-school Children from a Low-income Neighborhood Before and After Involvement in a Family-based Intervention Program Jessiica Jamillah Howell Kathryn Nicole Williams

INTERDISCIPLINARY STUDIES

Loresa Nicole Chisum Neil Geraldus Dsouza Lisa Huntsman Fox

Kourtney Nicole Howell Earnestine Burleson Frazier Minawei Li Melaine Mufaro Mudukuti

MARRIAGE AND FAMILY THERAPY

Karis Elizabeth Stricker

Mikavla Jillian Barrett

Jacquelyn Nicole Valle

Kaylyn Nicole Adams

MATHEMATICS

Hewa Fonsekage Dilini Sri Anne Fonseka Quan Hong Huang (In absentia) Bellana Vidanalage Nadeesha Chathuranga Vidanage (In absentia) Qing Xu

NUTRITION AND DIETETICS

Heather Leigh Callender Rachael Lomeli Gentry Claire Pond Gundlach Sophia Maria Jimenez Jodi Lee Jones Jordan Ashlee Lichthardt Thesis: Resting Metabolic Rate, Appetite Regulators, and Food Recall Accuracy in Food Addiction Zelle Ann Morefield Raul Palacios, Jr. Whitney Danielle Ruble Haley Joyce Skinner Courtney Lynn Smyth Alston Cole Trbula

PERSONAL FINANCIAL PLANNING

Mohannad Abdalaziz M Almohanna Maryam Mahfoodh Bagalagl Hiteshu Pravin Bhakta Christopher Sam Boren Alana Kaye Doyle Tyler Ray Floyd Stephen Frederick Horstmann, Jr. James David Hughes Timothy Kazachkov Zhikun Liu Stephen Brian O'Dell Konrad Prus (In absentia) Jordan Alexis Quiroz

Russell Stewart Warren III (In absentia)

PHYSICS

Ali Mohammed Alamri

Thesis: Mixed Illumination Direction Multiplexing Fourier Ptychographic Microscopy Based on HDC Ohood Abdullah Albeydani (In absentia) Reza Moulavi Ardakani (In absentia) Allison Kathleen Hughes (In absentia) Rvan Merritt (In absentia) Thesis: Performance Improvements of SLEND

Dynamics by Symmetry Breaking Olivia M. Mulherin

Thesis: Theoretical Study of the Elastic and Thermal Properties of the AuCd Shape Memory Alloy Sueli Del Carmen Skinner Ramos (In absentia) Dilshan Chaturanga Sooriyaarachchi Thesis: Comparative Study of Photonic Crystals Imaging Using Fourier Tychographic Microscopy and Dual Space Microscopy

Henry Russell Stam

Thesis: Structural, Electronic, and Vibrational Properties of Some Type-II Tin Based Clathrates Zhuang Zhuang (In absentia)

Thesis: Analysis of Students' Performance Based on Bloom Taxonomy

PLANT AND SOIL SCIENCE

Ryan Allen Gregory

Thesis: Visual Field Screen Strategy to Detect Unintentional Presence of Genetically Engineered Traits in Conventional Cotton Breeding Nurseries Christopher Todd Jewett

Thesis: An Assessment of Pollinator Abundances and Environmental Relationships at Cultivar, Field, and Landscape Scales in Cultivated Pumpkins on the Texas High Plains

SPORT MANAGEMENT

Hunter Lewis Bernays

STATISTICS

Megan Kathleen Burns Fang Chen Farzana Nasrin Yiling Qian (In absentia)

WILDLIFE, AQUATIC, AND WILDLANDS SCIENCE AND MANAGEMENT

Demi Marie Gary (In absentia)

Thesis: Examining the Southern Great Plains for Hotspots of At-risk Species and Assessing Efficacy of a Decision Support Tool

Samuel William Henry Harryman

Thesis: Understanding the Ecology of Lesser Prairie-Chickens in Conservation Reserve Program-dominated Landscapes with Implications toward Lesser Prairie-Chicken Management in Texas

Tiffany Crystal Lane (In absentia)

Thesis: Multi-scale Habitat Selection by Wintering Waterfowl on Anahuac National Wildlife Refuge

Colton Dean Laws (In absentia)

Thesis: Status and Long-term Use of Artificial Escape Dens by Swift Foxes in Northwest Texas Vaughn Emerson Smith

Thesis: Near Real-Time Monitoring of Tropical Dry Forests in North and Central America Michael D. Whitson

Thesis: Use of Moist-Soil Management Techniques for Wintering Waterfowl in Fallow Rice Fields on the Upper Texas Coast

Derek Shane Wiley (In absentia)

Thesis: Northern Bobwhite Reproduction in the Rolling Plains of Texas

ZOOLOGY

Brandon Alexander Gross

Thesis: Evaluating the Effects of Three Preservation Methods on DNA Quality and Morphology of Museum Specimens of the American Alligator (Alligator mississippiensis)

MASTER OF SCIENCE IN **ACCOUNTING**

Shawn Patrick Barry Danielle Patricia Bartlett Awak Deng Bior Nicole Lynzee Boldes Allison Marie Buchanan Nika Camille Byrd Alyssa Danielle Carey Samuel Watson Crowley Jayson Joe Davidson **Ronald Connor Disbrow** Elizabeth Faith Enriquez Matthew J. Fetsch Megan Marie Furlong Caroline Kayleigh Gordon Shirley Kay Hess Heather Marie Holland Lauren Nicole Hutchens Maryam Karimian Amy Elizabeth Lundquist David Alan Mendez Kayla Joy Parkhurst Mario Leon Guerrero Perez Leah Corina Serrano Laurel Lynne Strickland Sarah Nicole Stubbs Kaitlin C. Trammell Whittney Nicole Van Horn Arren Lee Wells Arisay Wright (In absentia)

MASTER OF SCIENCE IN CHEMICAL ENGINEERING

Chao Li (In absentia) Chuan Liang Thesis: Adsorption Removal of Arsenic from Water Using Iron Hydroxide Loaded Cellulose Beads Michael David Sees

MASTER OF SCIENCE IN **CIVIL ENGINEERING**

Gaurab Adhikari Michelle Guadalupe Bejar Thesis: Diffusive Gradients in Thin-Films as a Predictor for Mercury Bioaccumulation in Lumbriculus variegatus

Ariel Emilio Castillo-Rodriguez, Jr. Jake Edward Donaho llektra Drygiannaki (In absentia) Guillermo Carlos Gonzalez Berrios

Thesis: Development of FEA Models to Investigate the Shear Behavior of Reinforced Concrete Beams

Taria Hussain

Hasan Kilic

Giridhar Kurapati

Deokyoung Lee

Thesis: Reconsideration of Unbonded Concrete Overlay Design Methodology and Bonded Concrete Overlay Minimum Required Bond Strength Based on Field Performance Mahmoud Anis Gad Khalil Mahrous

Thesis: Quantitative 3D Analysis for Micro-fracture in Woodford Shale, Southern Oklahoma, Using Non-destructive

Micro Computer Tomography Technique

Hossein Mirenayat Geetesh Mutyala

Nicholas Harding Nelson Asef Mohammad Redwan

Thesis: Factors Affecting Microbial Utilization of Granular Activated Carbon (GAC) as the

Sole Electron Acceptor

MASTER OF SCIENCE IN **ELECTRICAL ENGINEERING**

Willaim Hunter Cravey

Thesis: Design and Performance of an 8 Element Gyromagnetic Nonlinear Transmission Line Array Nicholaus Autry Malone (In absentia)

Thesis: Magnetic Induction Tomography

Fabrice Mugomoka

Gabyhayes Gabriel Opusunju

Hanif Tiznobake

Thesis: Cardiac Arrhytmia Detection Using Adaptive Modeling of the Electrocardiogram Signal

Ze Zhang (In absentia)

Thesis: Studies on Explosive Emission and Material Degradation of Nanoscale Metal Emitter Tips Based on Molecular Dynamics Analysis

MASTER OF SCIENCE IN INDUSTRIAL ENGINEERING

Nisha Satish Khatri Hrishikesh Milind Parasnis (In absentia) Shantanu Subhash Patil (In absentia) Ali Kader Ismael Tapsoba Mengyun Zhang

MASTER OF SCIENCE IN **MECHANICAL ENGINEERING**

Kafil Uddin Ahammed Chowdhury

Thesis: Skin Dose Coefficients in Human Leg Model from Monoenergetic Beta Sources Uniformly Distributed on Soil With

Surface Roughness

Erin de Haas Joshua Jeffrey Sefcik

Michael Andrew Sweeney

Thesis: Effects of Rheology on Processing of Energetic Material for Additive Manufacturing Purposes

MASTER OF SCIENCE IN PETROLEUM ENGINEERING

Syed Jahangeer Ali (In absentia) Nhan Chan Le (In absentia) Jorge A. Perdomo Omar Ayman Saleh Jiawei Tu (In absentia) Hafiz Muhammad Arsalan Ullah Jiahui Zhao

MASTER OF SCIENCE IN **SOFTWARE ENGINEERING**

Frank Anya Ibem

MASTER OF SCIENCE IN SYSTEMS AND ENGINEERING **MANAGEMENT**

Tanya Castillo Lauren Suzanne Clements Brad Meissner (In absentia) Mario Maher Morris Allison Joy Noble Patricia Oloyede Mrigonav Saikia

MASTER OF SOCIAL WORK

Whitney Lynn Moore

CANDIDATES FOR UNDERGRADUATE DEGREES

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

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



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Hiawatha Culver

Anazaide Colunga

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ZOOLOGY

Jared Wallace Benson

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Minh Hoang Nguyen Mitchell Lee Rahlfs Nicolas Chad Shimonek Adam Mathew Wiest

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Anam R Patel **Hunter Forbes Williams**

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Arthur David Fields 2nd Major: Marketing Bradlee Austin Steele Figart

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Jason "Witt" Westbrook

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Matthew Ernest Englund

lan Fettig

Tomas Daniel Gatica Marcus D'Shon Graves Zoe Alexis Green Joseph Guerra Joshua Jaleel Hines

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Jian Hui Guo

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Ryan Anthony Vaughn² Daniel Austin Wagner Sarah Kathleen Weber 2nd Major: Management

Susan Elizabeth Welborn Laura Christine Wilson

2nd Major: Management

Kenzie Lynn Wolfe⁴ **Evan David Wright** Jordan Haylee Zadeh² Shelby Cayla Zorros

2nd Major: Management

SUPPLY CHAIN MANAGEMENT

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Chase Gordon Luger James Michael Matthews Quinn Lee Maupin³ Ian Malloy Medina Isaac Daniel Moncibaiz, Sr. Christopher David Osterman

Justin Adrian Palad Shivan K. Patel Amanda Patino Taylor O'Neal Pingel³ Tanner William Pletcher

Xavier Enrique Pulido Erick Aleiandro Ramirez Jonathan Allen Ramlow Madison Marie Rice William Robert Lee Rickey Kellen Michael Robertson Michael Colin Roe Paulina Rojas Alberto Enrique Rosas Will Ryan Stephens Patrick Gary Strong Meagan Michelle Taylor^{3,4} Monroe Blake Thrower Nicholas Allen Tindol Cesar Amaury Ultrera Christian Ryan Walker Anthony Kalani Warren Molly Alexandra West

COMPUTER ENGINEERING

Sabrina Nicole Benge^{2,4} Cody Scott Christopher Cook Doug Wesley Foster, Jr.1 Ryan Allen Love Reed MacFarland Mauzy Lukas Alois Neuber Joaquin Rosendo James Michael Taber²

Elijah Sergeyevich Zelenov³

COMPUTER SCIENCE

Amar S. Ahmed Samuel Arevalo' 2nd Major: Mathematics Roger Weston Campbell³ Kevin Dela Cruz Claveria Stephanie Richelle Dixon¹ Calvin Charles Fair Isaac Asa Griswold-Steiner^{1,5} Jessica Yanan Hao Mario Thomas Jimenez Giorgi Khazaradze Dane Ross Lowrey² Steven Boardman Lowry Uzziel Luna Lucero Nicholas Marler Nicholas Timothy Muirhead

Quan The Minh Nguyen¹ Richard Tyler O'Neal Halen Scott Phillips Sulav Poudyal¹ Andrew Dylan Salopek Lee Philip Sander Kevin Taing David Stuart Thompson² Anish Timila¹

Topa R. Timilsena Alexander Donald Weaver¹

2nd Major: Mathematics

CONSTRUCTION ENGINEERING

Joev Alexander Melanie Marie Bailey Jacob L. Dosier James Jay Eudy Joshua Ryan Holcomb Samuel Richard Jones³ Taylor D. Kennedy **Grant David Phifer Dustin Leon Ramaekers** Phillip J. Tappe³ Katrina Leigh Wagman **Timothy Paul Yoes**

ELECTRICAL ENGINEERING

Caleb Idawarifagha Atemie Tyler Scott Avant¹ Binyam M. Beyene Alejandro Jose Blanco Matthew Carl Bloecher Matthew Robert DeFreitas **Cody Brent Francis** Michael Ryan Fritz Jeffrey Daniel Groenewold Henry J. Johnston Saddig Usman Khan³ Van Thawng Lian Devon Tyler Nelson Trey Matthew Nolan³ Jacob Christian Patterson Luis G. Ramos Alejandro R. Reyes² Ivan Heng Shaw Michaela Alyse Sutterfield¹ Cedrick Tchoupe Nono¹

ENVIRONMENTAL ENGINEERING

Gage Anderson King Jennifer Marie Ramirez Richard Wayne Stanfield, Jr.

INDUSTRIAL ENGINEERING

Hussain Ahmed Abbasi Afif Pandu Abdalla¹ Ibraheem Mohammad Abu-Tahnat Victor Temitope Adebayo

Anthony E. Aguilar Valery Orang Asundep

Karim Awad¹

Jose Francisco Beraun Lazo Zachary Dean Cook Ziyad Raji Daboul Colin L. Dublin Tarek Bayoumy El Nady

Osama Fathy Elgammal Shahzaib Ejaz Hanif Elias Mohammed Hassen Katharine Gray Jenkins^{3,4} **Aaron Gary Johnston** Oly Tatiana Keou Ngako Farhan Ali Khan Annette Azah Mambo

Cristian Eduardo Millares-Rosiles

Linzey M. Noble Ignacio Xavier Ramos **Edward Walker Spear** Mahmoud O. Taghlabi Yonas Beyene Tekea Clifford Joshua Wood

Jacky Yu

MECHANICAL ENGINEERING

Abdelrahman Mohamad Yehia Attia Mohamad Abdelrahman³ Akshay Ahuja

Jephthah Onome Akene Ryan Akram Albawab Connor Reid Albrecht Charles Martin Alexander, Jr. Joshua Aaron Alvarado

Aaron Alvarez Kelvin Eric Arrindell Senami Temitope Ashimiu Able Hugues Ayemou Cory Tyler Banman² Luis Rodrigo Barreda Diego A. Barreda² Michael Shane Basom **Kevin Matthew Beck** Cory Dalan Blacker Darryl Joseph Block³ **Robert Samuel Bownds** David Michael Boyle Jonah Nikolas Brigham Jacob Augustine Brockman³ Michael John Brosig Christine Elizabeth Buechele Rodrigo Burberg¹

Claudio Bustos¹ Carla Fiorella Chaname **Andres Chapa** Celisse Nicole Charles Vladimir Coltisor John-Christian Tyler Colville

Payten A. Connally David Joseph Cook Aislin Emory Cooper Victoria Cordero Gabriella Rae DeWolfe **Taylor John Downs** Chase Joseph Dunn³ Steven J. Dushane

Conrad Alexander Faubion Charles Hudson Fisher³ Cosme Kuate Foko Justin James Fonner Jeremy Nathaniel Frisa Matthias Lee Frost Alec Ryan Fuller Alyssa Kay Gaertner Juan Manuel Gallaga Alejandro Garcia Tyler Franklin Gardner Zachary Markham Garrett Christan Ripy Gilbert Sean Deion Gillespie II Jeffrey Allen Gingell³ Bradlev Andrew Glasscock³ Garner Faith Grabowski Jacob Russell Granstaff Kyle Edward Greenberg Allan Patrick Gregorio Brianna Leigh Griffin² Kirk Lane Griffin Coty Clay Hallett² Marshal Wayne Head³

Casey Andrew Henderson Alex Joel Hill David Nguyen Hoang Daniel Patrick Holley Abigail Sarah Holmes^{1,4} Samuel Brayden Hueter Ayodele Oluseyi Ilesanmi Brian Anthony Jacquet³ Mitchell Dag Joraholmen Bernard Elvis Kengue Kengni² Muhammad Saadullah Khan

James Austin Hedrick

Chaeeun Kim

Junchul Kim Zachary Alex Kocurek Sze Ai Kong³ A. Garrett Landry Matthew Trent Ledesma **Duncan Scott Lewis** Chance Lane Logan Alexander Lopez Joseph Martin Zachary Lynn Martin Andre Ignacio Martinez Jacob Eli Martinez Joseph Prescott Mason

Logan Tate McClelland Chad McElroy Spencer James McIntosh² Colton Shawn McKinney Landon Miles McLellan4 Leonardo Medina Landon Skyler Meeks Connor Allen Merritt Nader Mezher Matthew Brian Mills

Tanner Charles Masters

Kyle Marcus Mullen³ Willy Leonel Talek Ndongmo Pricilla Daisy Ndzoghe Owono **Connor Anthony Nehls** Nelly Nkokolo³

Martin Teddy Obosu Moyosore Ayomikun Oduye³ Mercy Akinyi Ombogo Mitchell Chris Orsak

Omar Lionel Ortega Ikechukwuka Chiedozie Osuagwu

Joel Pallares² Stewart Connolly Park Kyle Douglas Partin Rudy Thomas Pearce¹ Omar Tahir Pecina David Matthew Pippen Chintan Poudel Samantha Kirstie Powell

John Michael Privitt Jaden Hunter Randall Ross Cody Raven Austin Dale Reed³

Eric Christopher Reinhard Stephen Granado Reyes Collin Joel Rhyne Johann Albert Roberts Mario Alberto Romero

Daniel Olufisayo Adedotun Rosiji

Angel A. Rueda Silas le Ruiz³ Coby Lee Russell Jordan Rance Samsel Ridge Thomas Sandler Eduardo Sandoval Garrett Michael Seghers² Jonathan William Sharp Brendan Shea Sheridan Christopher Robert Sims Brogan Wyatt Singuefield Logan Paul Smith² Joshua Ryan Sneed Logan Dale Stone Samuel John Swartz

James William-Vela Tabije

Emmanuel Oluwatosin Taiwo Tanner James Tausch Victoria Danielle Tillman³ Cristian Noel Torres Ricardo Trillo Kachiside Ogbonna Ugorji Dominic Rey Valverde² David Matthew Vasquez Brandon Wayne Voyles Matthew Clarke Ward Mina Maher Thabet Wassef Alexander Webster Scott Allen Welch Jacob Lyndon-Modrick Wise **Hunter Corey Wood** Alexander Steven Yovanovic³ Fidel Aldahir Zapata³

PETROLEUM ENGINEERING

Malik Rusoul Eric Thomas Faulkner Daniela Kenmoe³

Teng Kui Zou



BACHELOR OF ARTS

HONORS ARTS AND LETTERS

Rachel Victoria Robertson^{3,5} Jessica Blair Shepherd^{2,5}



BACHELOR OF SCIENCE

APPAREL DESIGN AND MANUFACTURING Kyra Mikala Jones Chrysta C. Smith

COMMUNITY, FAMILY, AND **ADDICTION SCIENCES**

Andrea Guadalupe Aquilar Victorine Fatu Bayouga¹ Jessica Lynn Gardner Katherine Rene Harris **Amber Marie Hemphill** Mark Devin Keirsey² Nicole Kiersev Michael Alan Lea Rachel Nicole Lindsey Lori Caraline Means¹ Lorena Posadas¹ Alexandra Lee Rowe Alec Somer Widner Jaclyn Marie Worthington

EARLY CHILDHOOD

Meghann Elizabeth Abbott¹ Hannah Marie Case³ Angelica Cisneros Elaina Nicole Costanzo¹

Alexis Blue DeBord3 Ellen Elizabeth Frawley Dylan Lynae Hefner Savannah Nicole Henneke Elizabeth Alexandra Lindley² Bethany Joy McHugh Gina Elaine Munoz Erin Maureen Murphy Lily Kim Pham Meghan Allison Ray² Ricki Regan Rodriguez Jenna Renee Sloan³ Claire Ellyse Tisdale¹ Nichole Lorraine Williams

HUMAN DEVELOPMENT AND FAMILY STUDIES

Christiane Magdalena Arias Baylee Jo Baccus² Salina Brooke Ball Chloe Janine Beck² Crystal Raquel Berumen Rachel Katherine Bloodworth Franchesca Breig Hannah Leigh Bridger² Regan Leigh Byrum James Daniel Caldwell Kathleen Ann Cole Kirstin Lee Collins Riley Jordan Conner Ashley Elizabeth Consolvo Ashley Renee Cronin¹ Hannah Marie Crouch Heather Green Cunigan Alexis Jade Favela² Gina Michelle Galvan Kathryn Elizabeth Green^{1,4} CaSandra RuVina Hernandez Leticia DeAnn Hernandez Melanie Nicole Hernandez Courtney Paige Johnson Sydney Elizabeth Jones Babatunde Olukayode Lawal² Halev Shea Marcell Priscilla Beatrice Marin Ginny Rae Marotta² Katelyn Elizabeth Marshall Mikayla Nicole Martin Iris Nicole Martinez Demi Osoria Mazur Megan Ashleigh McDonald Raegan Simone McWilliams Jennifer Ashleigh Michie³ Kinzie Shina Milare^{1, 4} Makayla Abigail Morris Sosena Mulugeta²

Shevon Ambang Ngwanah

Halee Sierra O'Con

Ariana Rose Oglesby

Hannah Morgan Owens

Darius Pearson-Lewis

Taylor Morgan Pilarcik

Katherine Taylor Potts² Aleena Michelle Rodriguez

Lexie Dawn Rowland

Ashton Michele Rush

Victoria Nicole Salazar

Rvlev Danielle Schriver

Taryn Michelle Seidler

Chloe Noelle Perez

Madison Kae Shook³ Chelsev Evangeline Shroff¹ Ashley Sabrina Smith Kimberly K. Smith Olivia Danielle Smith Sydney Elise Smith Sara Kaitlyn Stinson Skye Candace Torres Emilia Anais Ureste Brittany Gayle Walsh **Bailey Kay Williams Derrick Christopher Willies** Gabrielle Alessandra Yanes¹

HUMAN SCIENCES

Maria D. Gonzales **Hunter Trey Aaron** Georgina Salas Barrera Jilian Nicole Beal David Alexander Bess Kristi Burke

Marisa Mendoza Chavarria-Huerta³

Dre'Quan Cantrell Colquitt Anaka Marie Davis **Dustin Tanner Dean** Dan Neftali Dioses

Kaleigh Elizabeth Downing Hannah Faith Duran Walter Lewis Durham Jennifer Ugochi Duru Marcus Anthony Franklin Nicholette Eugenia Gavrelos Shakirah Mone't Herbin Allyssen Hillgartner Benard Kiplangat Keter Caylie Rae Kruse³ Devin Jajuan Lauderdale

Randy Lewis

Hannah Jane Lindley Sara Paige McAfee Brooke Ashley McCauley Darin McClintock³ Casev Lane Moore Bianca Isabella Moreno Anne Lanelle Mount Allison Anne Novelli Adria Symone Parker

DeMarquis Montrey Polite-Bray

Vanessa Marie Ponce Ermalinda Puga Timothy Leon Reed Kathryn Reno Paetyn Danielle Revell Joseph Charles Richards Lindsay Nicole Schneider Sheridan Rae Shipley Alexandra Taline Sisoian Chelsea Diane Smith Justin Christopher Spain Jessie Lee Stewart Jada Monique Terry Kristy Tran Aaron Justin Villegas Shikinah Watson

NUTRITION

Robert Arledge Alexandra Gale Bracaglia² Andrea Nicole Burk² Nick Vincent Camperlengo **Brittany Breann Constancio** Colby Ryan Coulter Cailin Grace Crosthwait Carlie Roxann Foust

Samantha Marlene Gonzalez^{1,4}

Regan Bailey Gopffarth Sarah Brannon Howard Alexis Jackson

Mindy Louise Kabanek³

Kenny C. Lam

Maya Takano¹

Kelsi Kaye Thompson²

Alyssa Carmen Ledesma Blake James Nelson Louvdie Carissa Ochoa³ **Brett Michael Proctor** Adonika Rae Quintela³ Rosangelica Ramirez Samantha Rosio Mirella Carmen Sandoval³ Macy Brooke Stearns² Gloria Kathryna Stover

NUTRITIONAL SCIENCES AND DIETETICS

Rachel Rennie Brown² Andrea Sofia Delgado Alyssa Grace Guzman Taylor Lauren Lovera Saranee Michelle Medina **Dacian Jonte Morrison** Tiffany Nicole Nguyen Sheridan Alexandra Samberson^{2, 4} Jessica Marie Wiklund³

PERSONAL FINANCIAL PLANNING

Tanner Cole Castle Micah Taylor Adams **Aadil Yusuf Berkhadley** Angel Gilberto Escobedo Colton Ethan Galvan Jennifer Nicole Gerstner² Victoria Cheyenne Gibbs³ **Braden Wavne Givens** Justin Shelton Guess³ Brock Vaughn Hedgecoke² Victor Kushal Heetai Harlee Caroline Jordan Gerald Bryson Juhnke **Kayle Anthony Karns** Charles Wesley Mckenzie Jessica Glenn Mendoza Meagan Ashley Moe² Madelyn Jean Morris Jayden Tod Parker Caleb Ramirez **Brett Michael Rayshell** Vincent Michael Reza Addy Delina Rivas Dore Evan Rodriguez **Cullen Nathaniel Ross** Chad Allen Trpkosh

Trey Elden Waite²

Madison Jordon Wallace³

RESTAURANT, HOTEL, AND INSTITUTIONAL MANAGEMENT

Savannah Elane Balkus Riannon Louise Banks Jessica Lee Bornstein Mackenzie Charise Burns Madeline Alexander Byrd Kelsey L. Cobb Caitlyn Toni De Bivar Branco Alexus Breanne Dunning Courtney Lee Fergerson Francisco Gomez Justin John Gregg Sean O'Brien Hall Stephen James Harris **Barry Neil Johnson** Travis Scott Lammert Faith Nicole Lewis Gabriela Longoria³ Aaron McBride William Trey Miller Abigail Nicole Murphey³ Hannah Elise Nyman³ Tanner Hayden Osborn **Brady Wade Reese** Patrick Hayden Resch Patrick Francis Ruffer Chelsea Kathleen Schurmann

Alyssa Nicole Aguilar¹

Matthew Lee Skinner Kendall Paige Tilling Mattie Blaine Turner Megan Lee Waagner² Paige Nicole Whitaker

RETAIL MANAGEMENT

Haley Suzanne Dunn Justin Charles Edwards Arabia De'Shea Harris Alicia Elizabeth Hinze Kara McKenzie Lamb¹ Francesca Grace Marinaro Natalie Vanessa Rangel Illiana Silva³ Kyle Dwain Stewart, II Jimmy Ray Sulaica³ Reuben J. Zamora



BACHELOR OF ARTS

ADVERTISING

James Alan Aiken Odufa Nancy Atsegbua Samuel Austin Boyd **Andrew Reid Burnett** Samuel Jack Castandeda³ Lucas Jay Du Val **Taylor Rose Edwards** Lance Edward Evangelister, Jr. Brooke Lee Finkelman **Trevor Estes Foxworth** Avery Michael Fuller Charles Benjamin Graves

Brett Christopher Wesley

Jade Young

Morgan Brittany Hale Colton Lee Harbert Ryan Alan Johnston Victoria Marie Lainez¹ Zachary Charles Laures Shawn Aldon Leyba Vanessa Lopez Kelsey Lee Maddy Ashlyn Morgan Massey Zachary Aaron Mata Matthew Anthony Mayle Bradley Ryan Mitchell Cody Leigh Penny Nathan Paul Ramirez Davis Scott Roeschke Sofia Romero² Dean Michael Roudi **Brianna Opal Rukes** Austin Gage Scott-Looney³ Benjamin Bryson Vadder 2nd Degree Marketing Chloe Catherine Vaughan Samuel T. Walters Bethany Grace White³ Lauren Elizabeth Wood Hannah Elizabeth Wright

COMMUNICATION STUDIES

Kourtnie Tei'sean Barlow Margot Rae Bell-Reiter Zachary Alan Carpenter Kade Lee Corley Itzalina Cortez Peyton Anna Dunlap Savanna Brooke Fleming Braeden Ellen Griffith Megan Noel Hogan Wimberleigh Skye Johnson Kathleen Christine Kienle Quintin Matthew Marquez Samantha Ali Mendoza³ Joseph Garrett Miller Alyssa Anne Moore³ Nina Ann Salaz Emma Grace Smith Sydney Nicole Smith Iris Jazelle Soto Grant Conner Swenke Keenan Mackenzie Tarrant

James Kabugo Babumba

ELECTRONIC MEDIA AND COMMUNICATIONS

Brandon Wayne Adams
Jacinda Akridge
Curtis Daniel Arnold²
Devin Levi Blackburn
Bailey Colleen Booth
Zachary Scott Clark
Martha Gabriela Cortazar
Ricardo Jesus Cortez
Traci Sue Couch¹
Olivia Ashley Cruz
Alan Garcia
Andrew Manuel Garza
Christian Mark Gibson
Byron Cornell Glapion II
Garrett Coleman Haslam

Haley Nicole Hernandez

Jose Dante Hernandez

Michael Anthony Isambert³ Luke Alan Jordan Donald Russell Kerr III McKenzie Starr Kizer Jack Nguyen Klopfenstein Garrett Cole Knaack **Brandon Edward Kura** Ross John Lara Brandon Aaron Lingnau Shane Thomas Longoria Austin James Longueville Chaz McKelvey Aaron Russell Moos¹ Carolyn Elise Owen³ Grayson Everett Pursley³ **Thomas Coulter Reed** Justin Leland Rex² Gina Marie Scafoglio John Michael Simmons Noe Tarango Desiree Alyssa Trevino Rachel Catherine Veale^{2,4} Jason Tyler Venable

JOURNALISM

Zachary Travis Bedair³
Samantha Kristen Brookes
Jessica Jonette Carr¹
Erika Rose Castella
Haley Grace Davis²
Billy Thomas Ingle
Lilian Evelyn Quiroz^{2,4}
2nd Major Language and Cultures
Laura Katherine Ragsdale²

MEDIA STRATEGIES

Janine Elizabeth Beckie Travis Normand McDonald Bremner Taylor Jin Chung Melissa Shelby Cole Amie Lauren Dean Alavna Elizabeth Dennev Julianne Patricia Foody Trevor James Hazlett James David Manos Aaron Eugene Martinez Noe Molina II³ Maddison Breanne Morris Yvette Monique Munoz³ Sarah Christine Neman Nathaniel Newton Reid III Carlos Alberto Salazar Mackenzie Taylor Wolf

PUBLIC RELATIONS

Austin Timothy Adams
Jacob Patton Bailey
Mallory Elizabeth Barnett
Colin William Brown
Alessia Amanda Carlton
Ezra Joel Chairez²
Abby Nicole Christopher
Sarah Nichole Connell
Allison Elizabeth Cox
Dillan Cole Cullifer³
Kathryn Mary Danhauser
Logan Alexander Franklin Davidson³
Carly Marie DeFlice
Sarah Stewart Draper².4
Amanda Michelle Duffy

James Tabot-Ngale Ekumah Emily Hope Fletcher² Elaina Patricia Frechette² Jeremy Hunter Freyre Emma Mariscela Gaona McKenna Ann Garrison Christian David Halady Gabriela Alejandra Juarez Kaitlyn Michelle Keller Shirley Michelle King³ Kevin Daniel Lasso Jeremias Saldaña Martinez Coleman Matthew Mason Victoria Constance McGee Casey Danielle Montalvo² **Robert Cody Montgomery** Gina Marie Mueller² Carlie Jo Mugica Michael Derring Neely Mary Kathrine O'Rourke Meridith Elaine Pettye Danielle Jin Rho Erin Brooke Robbins-Wuthrich¹ Kelcie Anne Roberts Steven Red Eagle Rosas Kenneth George Rosen Mariam Alexandrea Savarese Gabriela Sierra Lesage Ashley DeLane Smith Omar Sobal Varro Hailey Ann Strnad¹ Corey Lynn Tate Ainslie Marie Tatum Charelle Isis Michaela Thomas **Shelby Celeste Thornton** Fallon Emily Ticer Ashlyn Paige Utley Zoé Michele Villanueva Gerardo Villavicencio Craig Alan Wheeler3 2nd Major Electronic Media and Communications Craig Robert Worley Eden Elizabeth Young



BACHELOR OF APPLIED ARTS AND SCIENCES

Jocelyn Bartum-Torres Torico Jovon Price¹ Tina Annette Bittmann

BACHELOR OF ARTS

UNIVERSITY STUDIES

Diana Alejandra Aleman Fawad Zahoor Alvi Jake Anthony Arellano Martin Barrera Sofia Marissa Belgara Amber Nichol Blocker Kristen Denee Bubenik Renee Tatyana Beuke Haley Raeanne Carter Ashley Nichole Cisneros

Hayden Henry Compton Madison Michelle Corralez Kiré DéVaughn Davis Noah Matthew Dawson Troy Alexander Diminture Drew Dalton Featherston Faith Ann Flores Kathleen Elizabeth Franks Lanie Michelle Frazier Andrea Suzette Funes Dennis Lee Futrell³ Eric Gabriel Garcia Maria Luisa Garza Tanner Reed Hahn

Cameron Ray-Devine Hathorn Brenna Jade Hendrickson² Marissa Drew Hernandez Elizabeth Marie Hettler Sean Perry Hightower Alexandria Jaye Hughes Allison Claire Humphrey Shelby Lynn Janssen Mitchell Edward Johnson Marisa Diane Jones

JohnMark Christopher Kempthorne²

Roger Keith Kieschnick

Mai Thi Le

Kimberly Aleta Lile

Veronica Elizabeth Lopez²

Marivette Arce Lucero

Jason Kalahao Lui

Ionna Lee McKenzie

Daniel Stuart Meadows

Jevon Nehemiah Oliver

Joseph G. Payne

William Christopher Reddig Dillon Frank-Leon Rodgers

Jaxson Warner Schaubhut

JohnRyan Segovia

Cody Lynn Settle

Jordan Taylor Smith

Ryan Alan Stafford

Taylor Renee Stone

Holden Patrick Sykora

Will Dal Watson

Cortni Ann Marie Wharton Kimberly Ann Whitley³

Alaina Nacole Wilkes

Halle Nicole Winter

Michael Max Yi

William Garrett Younger¹

BACHELOR OF SCIENCE

UNIVERSITY STUDIES

Casey Wayne Aaron Sewedo Olorunnimbe Adebodun Jose Luis Avila

Marcus Edward Benavides Noel Sevidzem Bongham

Luis Casares

Crystal Renee Christensen³

Josiah Cortez

Kyle M. Eggemeyer

Chase Philip Eubanks

Azman Hamidan Fadhilah

Zachary Charles Falls

Zorobabel Gomez

Matthew Marcus Harris

Bradley Austin Hart

Stacy Lynn Harvey

Bailey Nicole Hicks

James Robert Hood

Joshua Timothy Hope **Christopher Michael Hunt**

Jonathan Chad Jones

Jordan B. King

Stephen Taylor McClung

Thomas Howard Mullen III Marty R. Murphy¹

Shelly Marie Prieto³ Matthew Caleb Race

Richard Michael Ruble

James Michael Soler

Andrew James Strahan

Cody Storm Voss

Molly Charlene Welch

WIND ENERGY

Sherman Ethan Armstrong

Di Fan Chen

Alexander Douglas Davison

Richie Mukesh Dhanani

Joshua Christian Edwards

Russel Zeb Graves

Colby Sebastian Moreno

Paul Muller-Leaño

Tyler Scott Newton

Jordan Daniel Piña

Carter Reed Smith

Matthew Mason Strumpell Darien Jerrell Tennon

Aaron McKinney Vaughan

Addison Layne Weiss

Domenic Sebastian Wilhelm

TEXAS TECH UNIVERSITY J.T. & Margaret Talkington College of Visual & Performing Arts

BACHELOR OF ARTS

ART

Sarah Elizabeth Jones 1,4 Raenelda Rivera²

DANCE

Madyson Nicole Bauer³ Savanna Marie Hurst³ Gabrielle Marie Jordan¹ Morgan McLain May Cera Brenna Taylor³

MUSIC

Rachel Rennie Brown¹ Fortino M. Gottlich **Dallas Stephen Holston** Tanner William Scarlato

THEATRE ARTS

Franchesca Breig Rachel Elizabeth Campoli Jessica Vivian Garcia **Garrett Dean Hollis** Lexi Nicole McCaig Macy Blaine Owen³

BACHELOR OF FINE ARTS

ART

Kristina Arafat² Gina Marie Astuto² Jasmine Merari Barrios Morgan Ann Byrd Kayla Michelle Crow John Ryan Gallegos Abby Luann Gibson Jamie Lynn Howell¹ Isabela Sharaya Mendoza

THEATRE ARTS

Nathaniel William Hall² Matthew Edward Lyons Casey Elizabeth Mann

BACHELOR OF MUSIC

Tyler Christian Brown³ Katherine Bryce Copeland³ Kayla Kathryn Crowley² Carrie Leigh Cunningham² Corbin Jay DeSpain Breanna Shawn Engelhardt³ Kaitlyn Suzanne Faseler **Brae Charles Foust** Carolyn Miranda Garcia² Holly Anne Hogan² Kelsey Lynn Hohnstein² Cody Ray Holmes² Clayton Andrew Koch² Nathan Thomas McCarty¹ Ryan Anthony Moos² Ethan Foster Munger² Monica Pasillas¹ Giovanni Loya Perez Margo Josephine Simone Prewitt¹ Yaritza Yaiaira SanJuan Rebecca Marie Tann¹ Ashley Anne Tillerson³ Christina Marie Weston² Alexander Chris Williams²

RECEPTIONS AND OTHER CEREMONIES

INDIVIDUAL COLLEGE RECEPTIONS

Immediately After Commencement Ceremony

College of Agricultural Sciences & Natural Resources | Animal and Food Sciences Building, Room 101

College of Architecture | Architecture Gallery

College of Arts & Sciences | Foyer Area of Room 104, Holden Hall

Jerry S. Rawls College of Business | McCoy Atrium, 1st Floor of Rawls College of Business

Jerry 3. Rawis Conege of Dusiness | McCoy Attium, 1st Ploof of Rawis Conege of Dusiness

College of Education | Diploma Distribution, First Floor Staircase, College of Education

Edward E. Whitacre Jr. College of Engineering | 101 Livermore Center

College of Human Sciences | El Centro, Human Sciences Building

College of Media & Communication | Matador Room, Student Union Building

J.T. & Margaret Talkington College of Visual & Performing Arts | Rotunda, Holden Hall

University Studies | Red Raider Lounge, Student Union Building

Wind Energy | Room 107, National Wind Institute

Please Note: The Graduate School will distribute diplomas in the City Bank Room of the United Supermarkets Arena immediately after the commencement ceremony.

OTHER CEREMONY

Air Force ROTC Military Commissioning | Friday, December 15, 1:00 p.m., Escondido Theatre, Student Union Building

CANDIDATES FOR MILITARY COMMISSIONS

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

Payten A. Connally Justin Yoshiki Jacobs Spencer James McIntosh Kyle Douglas Partin

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 cot-

ton-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 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 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
- 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



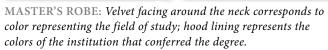
information. The key in the foreground of the banner symbolizes the Libraries' role as guardian and safe keeper of all ideas. In the not too distant past, knowledge was considered sacred or something that was best kept

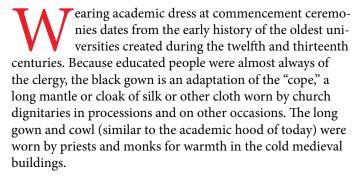
locked away, thus the symbolism of the key. The flames symbolize the Libraries' other and equally important role as the giver of knowledge, providing access to wisdom. For centuries, the use of fire was believed to be man's first step on the path to civilization; one characteristic of fire is its ability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

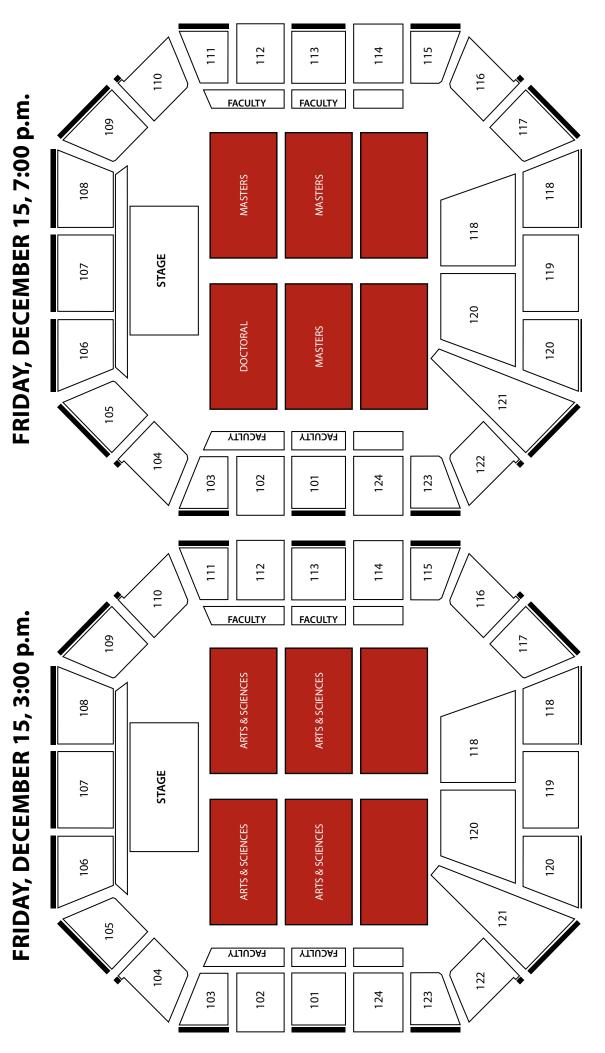
GRADUATE PHOTOGRAPHS

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

COMMENCEMENT DVD

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

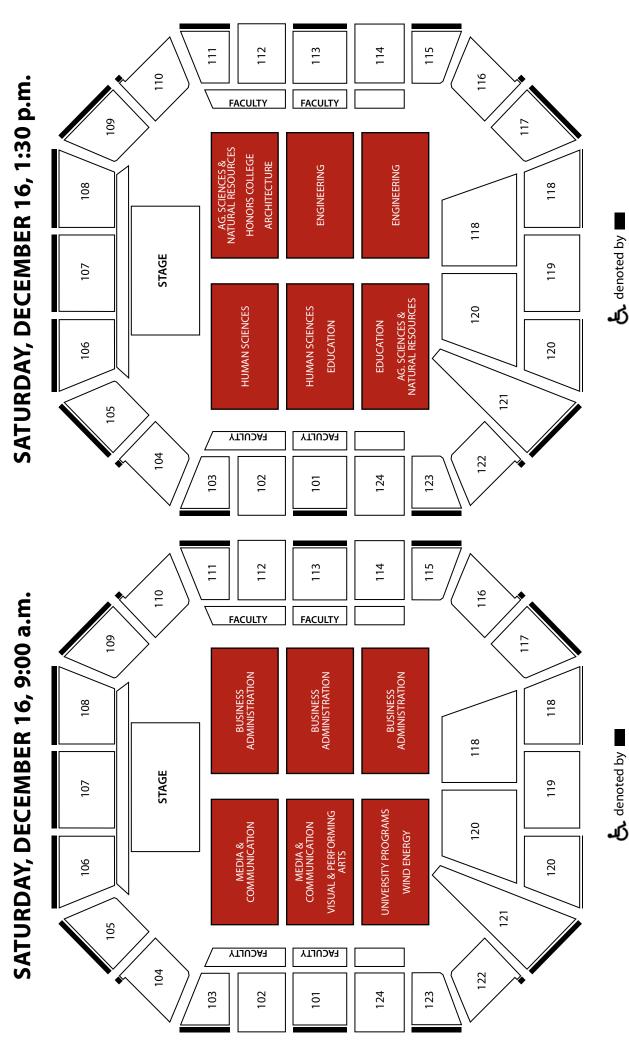




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The first athletic teams of the university were known as the Matadors, a name that reflected the Spanish architectural influence on campus. The change from **Matadors to Red Raiders occurred after** a Lubbock Avalanche-Journal writer commented on the 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.

