



THE  
COMMENCEMENT

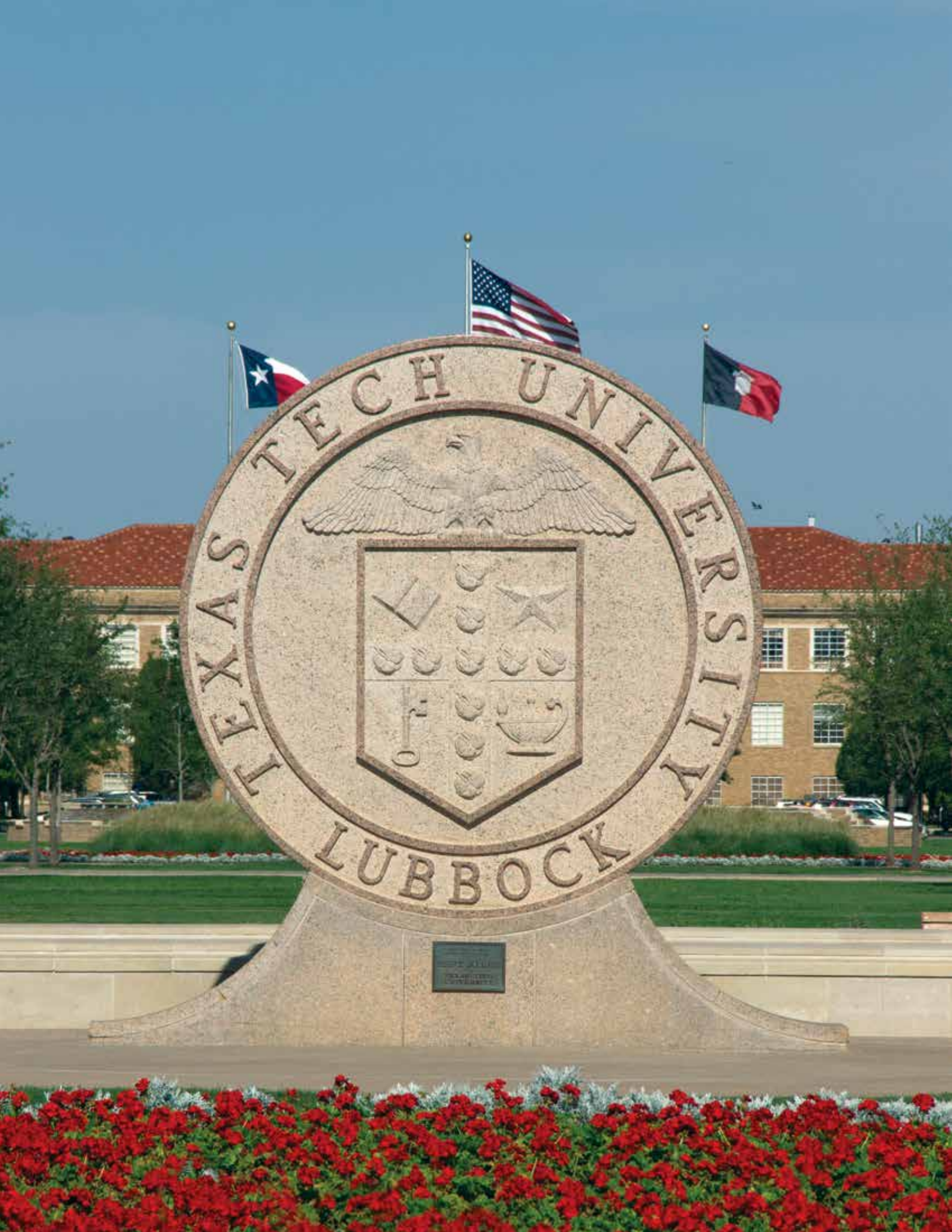


TEXAS TECH

UNIVERSITY.

*August 2015*







TEXAS TECH  

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UNIVERSITY®

THE  
*COMMENCEMENT*

Saturday, August 8, 2015  
UNITED SUPERMARKETS ARENA

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

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## *OUR 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

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**M. DUANE NELLIS, Ph.D.**  
President and Professor of Geosciences

**LAWRENCE E. SCHOVANEC, Ph.D.**  
Provost and Senior Vice President;  
Professor of Mathematics and Statistics

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

**ROBERT V. DUNCAN, Ph.D.**  
Vice President for Research;  
Professor of Physics

**JUAN S. MUÑOZ, Ph.D.**  
Senior Vice President for Institutional  
Diversity, Equity, and Community Engagement;  
Vice Provost for Undergraduate  
Education and Student Affairs;  
Associate Professor of Curriculum and Instruction

## TEXAS TECH UNIVERSITY SYSTEM CHANCELLOR / BOARD OF REGENTS

---

**ROBERT DUNCAN, J.D.**  
Chancellor, Texas Tech University System

**MR. MICKEY L. LONG, Chairman**  
Midland, Texas

**MRS. DEBBIE MONTFORD**  
San Antonio, Texas

**MR. LARRY K. ANDERS, Vice Chairman**  
Dallas, Texas

**MR. JOHN ESPARZA**  
Austin, Texas

**MR. L. FREDERICK "RICK" FRANCIS**  
El Paso, Texas

**MR. RONNIE HAMMONDS**  
Houston, Texas

**MR. CHRISTOPHER M. HUCKABEE**  
Fort Worth, Texas

**MR. TIM LANCASTER**  
Abilene, Texas

**MR. JOHN D. STEINMETZ**  
Lubbock, Texas

**MS. VICTORIA MESSER**  
Canyon, Texas

## ACADEMIC OFFICERS

---

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

**DARBY DICKERSON, J.D.**  
Dean, School of Law;  
W. Frank Newton Professor of Law

**MICHAEL L. GALYEAN, Ph.D.**  
Dean, College of Agricultural Sciences and  
Natural Resources; Paul Whitfield Horn  
Professor and Thornton Distinguished Chair,  
Animal and Food Sciences

**ANDREW D. VERNOOY, M.Des.S.**  
Dean and Professor,  
College of Architecture

**W. BRENT LINDQUIST Ph.D.**  
Dean, College of Arts and Sciences;  
Professor of Mathematics

**LANCE A. NAIL, Ph.D., CFA**  
Dean, Jerry S. Rawls College of Business;  
Professor of Business Administration

**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 and Communication;  
Professor of Journalism and  
Electronic Media/Public Relations

**ANDREW W. MARTIN, M.F.A.**  
Interim Dean, College of Visual and  
Performing Arts; Professor of Art

**BELLA KARR GERLICH, Ph.D.**  
Dean of Libraries



**FROM ITS VERY BEGINNING** the Texas Tech University community has had a sense of destiny and an awareness of the impact it could and would have on Texas and the wider world. Originally named Texas Technological College, the college 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 35,000 students enrolled in its 11 colleges: Agricultural Sciences and Natural Resources, Architecture, Arts and Sciences, Jerry S. Rawls College of Business, Education, Edward E. Whitacre Jr. College of Engineering, Honors College, Human Sciences, Media and Communication, Visual and 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 and 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.









## ABOUT TEXAS TECH

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**S**INCE TEXAS TECH'S FIRST graduation ceremony in the spring of 1927, more than 200,000 undergraduate and graduate degrees have been awarded by the university. From these proud graduates have emerged captains of industry, world-renowned surgeons, noted authors, famous singers, acclaimed teachers and professors, attorneys, entrepreneurs, agronomists, scientists, professional athletes, and countless others who have claimed positions of service and responsibility in a rapidly changing world.

Texas Tech University graduates have governed three states, flown in space, 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 professional careers that will see many of them literally change the world, they can remember with certainty one important fact about Texas Tech University:

**From here, it's possible.**



# COMMENCEMENT CEREMONY

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**Saturday, August 8, 2015**

**9:00 a.m.**

Presiding	Dr. M. Duane Nellis <i>President, Texas Tech University</i>
Processional*	Texas Tech Commencement Band <i>Dr. Sarah McKoin, Conductor</i>
National Anthem	Mr. Jody Keesee, <i>Singer</i> <i>Graduating with a Master of Music Education</i>
Welcoming Remarks	Mr. Tim Lancaster <i>Board of Regents, Texas Tech University System</i>
Introduction of Commencement Speaker	Dr. M. Duane Nellis
Commencement Address	Mr. Mark Griffin <i>President and General Counsel of The Griffin Companies</i>
Conferring of Degrees	Dr. M. Duane Nellis Dr. Lawrence E. Schovanec <i>Provost and Senior Vice President</i>
Presentation of Doctoral and Master's Degree Candidates	Dr. Mark A. Sheridan <i>Vice Provost for Graduate Studies and Dean, Graduate School</i>
Presentation of Bachelor's Degree Candidates	Dr. Juan S. Muñoz (presenting University Studies and Wind Energy degrees) <i>Senior Vice President for Institutional Diversity, Equity, and Community Engagement; Vice Provost for Undergraduate Education and Student Affairs</i> Professor Andrew W. Martin <i>Interim Dean, College of Visual and Performing Arts</i> Dr. Michael San Francisco <i>Dean, Honors College</i> Dr. Lance A. Nail <i>Dean, Jerry S. Rawls College of Business</i> Dr. Al Sacco, Jr. <i>Dean, Edward E. Whitacre Jr. College of Engineering</i> Dr. Linda C. Hoover <i>Dean, College of Human Sciences</i>
Recognition of Outstanding Students Class of 2015	Dr. Lawrence E. Schovanec
Charge to the Graduates	Dr. M. Duane Nellis
Alma Mater (Words on Back Cover)	Ms. Amy Moss, <i>Singer</i> <i>Graduating with a Master of Music Education</i>
Recessional*	Texas Tech Commencement Band

\* Please remain seated during the Processional and Recessional



# COMMENCEMENT CEREMONY

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**Saturday, August 8, 2015**

**1:30 p.m.**

Presiding	Dr. M. Duane Nellis <i>President, Texas Tech University</i>
Processional*	Texas Tech Commencement Band <i>Dr. Sarah McKoin, Conductor</i>
National Anthem	Mr. Jody Keesee, <i>Singer</i> <i>Graduating with a Master of Music Education</i>
Welcoming Remarks	Mr. Larry K. Anders <i>Vice Chairman, Board of Regents, Texas Tech University System</i>
Introduction of Commencement Speaker	Dr. M. Duane Nellis
Commencement Address	Mr. Mark Griffin <i>President and General Counsel of The Griffin Companies</i>
Conferring of Degrees	Dr. M. Duane Nellis Dr. Lawrence E. Schovanec <i>Provost and Senior Vice President</i>
Presentation of Doctoral and Master's Degree Candidates	Dr. Mark A. Sheridan <i>Vice Provost for Graduate Studies and Dean, Graduate School</i>
Presentation of Bachelor's Degree Candidates	Dr. Michael L. Galyean <i>Dean, College of Agricultural Sciences and Natural Resources</i> Dr. Glenn Cummins <i>Associate Dean for Research, College of Media and Communication</i> Dr. Scott Ridley <i>Dean, College of Education</i> Dr. W. Brent Lindquist <i>Dean, College of Arts and Sciences</i> Dr. Michael San Francisco <i>Dean, Honors College</i> Mr. Andrew Vernooy, M.Des.S. <i>Dean, College of Architecture</i>
Recognition of Outstanding Students Class of 2015	Dr. Lawrence E. Schovanec
Charge to the Graduates	Dr. M. Duane Nellis
Alma Mater ( <i>Words on Back Cover</i> )	Ms. Amy Moss, <i>Singer</i> <i>Graduating with a Master of Music Education</i>
Recessional*	Texas Tech Commencement Band

\* Please remain seated during the Processional and Recessional

## COMMENCEMENT SPEAKER

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**A** Lubbock native and Texas Tech University School of Law graduate, Mark Griffin is president and general counsel of The Griffin Companies, which consists of Rip Griffin Truck Service Center, Inc. and Pro Petroleum, Inc., which are retail and wholesale fuel marketing, distribution, and storage companies.

Following receipt of his Doctor of Jurisprudence in 1979, Griffin began his legal career at Hance, Thompson, Thomas and Sawyer that same year. He joined The Griffin Companies in 1981. Additionally, Griffin served as an adjunct professor of business law at Lubbock Christian University from 1982-1985.

Griffin was a member of the Texas Tech University System Board of Regents from 2005-2009, as well as a director for Plains Capital Bank. He has served on many boards including Covenant Health System, the Texas Guaranteed Student Loan Corporation, and Lubbock Independent School District Foundation.

A graduate of Lubbock Monterey High School, Griffin earned a bachelor's degree in business administration from the University of Texas in Austin. He is a member of the State Bar of Texas and the Lubbock County Bar Association.



## ABOUT PRESIDENT M. DUANE NELLIS

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**M** Duane Nellis was named the 16th president of Texas Tech University on March 22, 2013, and began serving as president in June 2013. As a national higher education leader and president of Texas Tech, Nellis has been committed to enhancing Texas Tech University's presence as a top tier national public research university through efforts that promote even greater levels of student success, academic quality and reputation, research and creative activities, and outreach dimensions. Nellis has defined Texas Tech 21st-century pillars of excellence around such themes as being more entrepreneurial, more engaged, with a commitment to inter-disciplinary activities and global connections, while enhancing diversity.

He is recognized nationally and internationally for his research that utilizes satellite data and geographic information systems to analyze various dimensions of the Earth's land surface. This research has been funded by more than 50 sources, such as NASA, the National Geographic Society, the U.S. Agency for International Development, and the U.S. Department of Agriculture. His research has led to more than 120 articles and reports in a wide range of professional journals, and 17 books and book chapters. He has given more than 100 professional presentations and has been invited to speak at more than 60 universities and related settings internationally.

Nellis also has been recognized nationally and internationally for his research and teaching through numerous awards from organizations such as the Association of American Geographers (AAG), AAG's John Fraser Hart Award for Excellence in Research, the Outstanding Contributions Award by the AAG's Remote Sensing Specialty Group, the Young Research Scholar Award by the Institute of British Geographers, the Kansas State University Outstanding Teaching Award and University Adviser of the Year Award, as a Fellow of the American Association for the Advancement of Science, and as a Distinguished Alumni Fellow Award recipient from Oregon State University. Nellis previously served as provost and senior vice president at Kansas State University. He also served as dean of the Eberly College of Arts and Sciences at West Virginia University, the institution's largest academic college.





# ACKNOWLEDGEMENTS

## CONVOCATIONS COMMITTEE

Ms. Shelley Barba, Chair  
Dr. Barent McCool, Chair-Elect  
Dr. Amma K. Akrofi  
Dr. Rima Al Aijouni  
Mr. Pradeep Attaluri  
Mr. Ian Barba  
Dr. Alan Barenberg  
Dr. Rhonda Boros  
Dr. Julie Chang  
Dr. Fanni Coward  
Dr. Mukaddes Darwish  
Prof. Genevieve Durham DeCesaro  
Ms. Peggy Flores  
Dr. Matt Hart  
Ms. Laura Heinz  
Dr. Karlos Hill  
Dr. Catherine Jai  
Dr. Carole Janisch  
Dr. David Klein  
Dr. Katie Langford  
Dr. Jingyu Lin  
Dr. Elizabeth Loudon  
Dr. Jaime Malaga  
Dr. Courtney Meyers  
Dr. Mark Moore  
Dr. Mary Murimi  
Dr. Diego Pascual  
Mr. Nick Pawelka  
Dr. Comfort Pratt  
Dr. Anne Prouty  
Mr. Tom Rohrig  
Mr. Matthew Schlieff  
Ms. Cheryl Stephenson  
Ms. Carrye Syma  
Mr. Jake Syma  
Dr. Anna Tacon  
Dr. Marcus Tanner  
Dr. Susan Tomlinson  
Dr. Shu Wang  
Ms. Lynn Whitfield  
Ms. Heidi Winkler  
Dr. Aliza Wong  
Dr. Amani Zaier

## COLLEGE READERS

*Agricultural Sciences and Natural Resources* –  
Dr. Cindy Akers  
*Architecture* – Professor Michael Martin  
*Arts and Sciences* – Dr. Jorge Iber  
*Business* – Mr. Derrick Ginter  
*Education* – Dr. Kathryn Button  
*Engineering* – Mr. Derrick Ginter  
*Graduate School* – Dr. Bill Gelber  
*Honors College* – Dr. Jorge Iber  
*Human Sciences* – Dr. Sheila Scott-Halsell  
*Media and Communication* – Dr. Todd Chambers  
*University Programs* – Dr. Andrea McCourt  
*Visual and Performing Arts* – Dr. Bill Gelber  
*Wind Energy* – Dr. Andrea McCourt

## ADMINISTRATIVE REPRESENTATIVES

*Agricultural Sciences and Natural Resources* –  
Ms. Savannah Leonard  
*Architecture* – Ms. Anna Martinez-Lopez  
*Arts and Sciences* – Ms. Kim Mills  
*Business* – Ms. Geleah Sharp  
*Education* – Ms. Karen Noles  
*Engineering* – Ms. Tonette Rittenberry  
*Graduate School* – Ms. Vanessa Bara  
*Honors College* – Ms. Janet Veal  
*Human Sciences* – Mr. Andrew Vanderpool  
*Media and Communication* – Ms. Ashton Ray  
*University Studies* – Ms. Amy Peterman  
and Ms. Sarah Schwintz  
*Visual and Performing Arts* –  
Ms. Kathy Nordstrom  
*Wind Energy* – Ms. Kacey Young

## STUDENT BANNER BEARERS

*Agricultural Sciences and Natural Resources* –  
Ms. Darby O'Shea Sullivan  
*Architecture* – Mr. Sergio A. Elizondo  
*Arts and Sciences* – Ms. Melissa Ann Rafferty  
*Business* – Mr. Cedric E. Kudowor  
*Education* – Ms. Nancy Guerrero  
*Engineering* – Mr. Duy Nguyen  
*Graduate School*  
9:00 a.m. – Ms. Lauren Kelly Thompson  
1:30 p.m. – Ms. Olga Pahom  
*Honors College*  
9:00 a.m. – Ms. Taylor Mae Dawson  
1:30 p.m. – Ms. Nadia Tello  
*Human Sciences* – Ms. Elaine Morton  
*Media and Communication* –  
Ms. Samantha Jo Hicks  
*University Programs* – Mr. Eric Carl Lantz  
*Visual and Performing Arts* –  
Mr. Mark Austin Belding

## FACULTY BANNER BEARERS

**9:00 a.m. – Timothy Dallas, Ph.D.**  
*Professor of Electrical and  
Computer Engineering, Edward E.  
Whitacre Jr. College of Engineering*  
**1:30 p.m. – Roger Lichti, Ph.D.**  
*Chairperson and Professor of  
Physics, College of Arts and  
Sciences*

## LIBRARY BANNER BEARER

**Ms. Melanie Clark, Associate Librarian**



## INTERNATIONAL FLAGS

From earliest times flags have served as symbols of ideals, aspirations, and loyalties, representing in modern times the national states and involving sentiments of pride and patriotism. Every flag has its own tale of national meaning to its symbols and colors.

Students from every state in the nation have attended Texas Tech, and the fall 2014 enrollment included international students from 105 countries. It is with pride that the university displays flags from around the world to represent the many countries that comprise the Texas Tech student body.

## PRESIDENTIAL MACE

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

### MACE BEARERS

9:00 a.m.

**Bill Gelber, Ph.D.**

*Associate Professor of Theatre and Dance  
College of Visual and Performing Arts*

1:30 p.m.

**Fred Hartmeister, Ph.D.**

*Professor of Educational Psychology and Leadership  
College of Education*



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

## RECEPTIONS AND OTHER CEREMONIES

### INDIVIDUAL COLLEGE RECEPTION

*Immediately After Commencement Ceremony*

College of Architecture | Architecture Gallery

### OTHER CEREMONIES

Monday, August 10, 2015

Army ROTC Military Commissioning | 10:00 a.m., International Cultural Center

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### GRADUATION HONORS

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

MARIA ELENA ARAGON  
PAULA RENE BROOKS  
ALEXANDER W. CLARK  
MARIA ISABEL CORONADO  
MARILYN NICOLE GONZALES  
NANCY GUERRERO  
BARBARA DEJARNETT  
ERIC XAVIER ESTRADA  
DAISY FUENTES  
DENNISE ARLETH GARCIA  
LAUREN M. IMMENSCHUH

NAPORSHA DENAE JACKSON  
MAIRA JAIMEZ  
CHARITY H. KINCANNON-KESTER  
MELISSA ANN RAFFERTY  
KENDRA LYNN SIMONEAUX  
MARISOL LARA SUAREZ  
NADIA TELLO  
SHIRLEY C. VASQUEZ  
KRISTEN LEIGH WILLIAMS

### CANDIDATES FOR MILITARY COMMISSIONS

*The following student is being commissioned as a  
Second Lieutenant in the United States Army:*

**EMILY MARIE KIM COPPLE**

*The following students are being commissioned as  
Second Lieutenants in the Texas Army National  
Guard:*

**MICHAEL CESAR CORRADA  
JORDAN RAY NICHOLAS**



# CANDIDATES FOR GRADUATE DEGREES

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

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

## DOCTOR OF EDUCATION

### EDUCATIONAL LEADERSHIP

#### JESSICA LAUREN CARDENAS

DISSERTATION: An Exploration of Professional Learning Community Implementation and Sustainability Challenges in Elementary School Setting: A Single District Case Study  
MAJOR PROFESSOR: Joe Claudet

#### MELISSA SHANKS FIELDS

DISSERTATION: A Narrative Study of Assistant Principal Decision Making  
MAJOR PROFESSOR: Fred Hartmeister

#### ALEX SALAZAR

DISSERTATION: An Exploration of the Leadership Skills and Traits of Effective School Turn-around Leaders in West Texas Schools  
MAJOR PROFESSOR: Joe Claudet

#### SHARON DENISE SHETTER

DISSERTATION: It's Not What is Said, But Who Says It: A Critical Feminist Perspective of Atypical Communication Styles in Women Secondary Principals of Turnaround Campuses  
MAJOR PROFESSOR: Sylvia Mendez-Morse

### HIGHER EDUCATION

#### AMANDA LEE SMITH

DISSERTATION: A Collective Case Study Analysis of Comprehensive Evidence-based Alcohol Prevention Programs on College and University Campuses  
MAJOR PROFESSOR: Stephanie J. Jones

#### THOMAS CLAYTON SNEED

DISSERTATION: Putting My Man Face On: African American Males in a Texas Community College  
MAJOR PROFESSOR: Colette M. Taylor

### INSTRUCTIONAL TECHNOLOGY

#### SUNGWON CHUNG

DISSERTATION: An Investigation of the Effects of Emotional Visual Aids on Learning Performance and Mental Effort in Online Health Education  
MAJOR PROFESSOR: Jongpil Cheon

#### MURAT KURUCAY

DISSERTATION: Examining the Effects of Learner-learner Interaction Students' Perceptions of Collaboration, Sense of Community, Satisfaction, Perceived Learning  
MAJOR PROFESSOR: Fethi A. Inan

#### YANLIN WANG

DISSERTATION: Examining the Effects of Learner-learner Interaction Students' Perceptions of Collaboration, Sense of Community, Satisfaction, Perceived Learning  
MAJOR PROFESSOR: William Lan

## DOCTOR OF MUSICAL ARTS

### MUSIC

#### HEESEUNG LEE

DISSERTATION: The Relevance of Mental Practice to Music Performance  
MAJOR PROFESSOR: Lora Deahl

#### ERIC OLIVER POSADA

DISSERTATION: Ola Gjeilo's Sunrise Mass: A Conductor's Guide  
Major Professor: Richard Bjella

#### TYLER BOLTON REED

DISSERTATION: The Sword and the Trumpet: An X-Ray Fluorescence and Audio Spectrograph Analyses of Modern Trumpets  
MAJOR PROFESSOR: Will Strieder

#### ANNA ROACH

DISSERTATION: An Analysis and Performer's Guide for Selected Works by Deon Nielsen Price  
MAJOR PROFESSOR: David Shea

## DOCTOR OF PHILOSOPHY

### AGRICULTURAL AND APPLIED ECONOMICS

#### DACHENG BIAN

DISSERTATION: Factors Affecting Groundwater Depletion in the Ogallala Aquifer: An Application to the Texas High Plains  
MAJOR PROFESSOR: Eduardo Segarra

#### SANJA ZIVKOVIC

DISSERTATION: Impact of the Relationship between Managers and the Board of Directors on Financial Performance of Agricultural Cooperatives  
MAJOR PROFESSOR: Darren Hick

### AGRICULTURAL COMMUNICATIONS AND EDUCATION

#### MICHAEL GACHAGA KANYI

DISSERTATION: Prioritization of Rainwater Harvesting: Influence of Selected Demographics  
MAJOR PROFESSOR: David Lawver

### ANIMAL SCIENCE

#### BYRON DAVID CHAVES ELIZONDO (In absentia)

DISSERTATION: Contributions to the Assessment and Characterization of the Food Safety Farm-to-Table Continuum for the Beef Industry in Central America  
MAJOR PROFESSOR: Mindy Brashears

#### DEVIN HANSON

DISSERTATION: *Salmonella* in Cattle Populations in the Southern High Plains  
MAJOR PROFESSOR: Guy H. Loneragan

#### ANDREW DAVID HOSFORD

DISSERTATION: Effect of Ruminally Protected Amino Acids and Zilpaterol Hydrochloride on Performance, Carcass, and Skeletal Muscle Fiber Characteristics on Finishing Beef Steers  
MAJOR PROFESSOR: Bradley J. Johnson

#### JESSIE LOUISE VIPHAM

DISSERTATION: The Impact of Administration of Lactobacillus-based Direct-fed Microbial on the Presence, Concentration, and Ecology of *Salmonella enterica* in Bovine Subiliac Lymph Nodes  
MAJOR PROFESSOR: Mindy Brashears

### BIOLOGY

#### SARANYA GANAPATHY

DISSERTATION: Characterization and Assessment of an Iridoviral-kinase Gene (ISTK) and its Subfragment (Iridoptin) as Plant-incorporated Protectants Against Aphids  
MAJOR PROFESSORS: Hong Zhang and Megha Parajulee

## GRADUATE CANDIDATES

### CIBELE GOMES DE SOTERO CAIO

DISSERTATION: Significance of Karyotypic Evolutions in Phyllostomid Bats (*Chiroptera phyllostomidae*) as Revealed by Chromosome Painting

MAJOR PROFESSOR: Robert J. Baker

### JULIE ANNE PARLOS

DISSERTATION: Estimating Genetic Boundaries with the Application of Multiple Operational Criteria

MAJOR PROFESSOR: Robert J. Baker

### BUSINESS ADMINISTRATION

#### DALAL S A M AHMAD

DISSERTATION: An Investigation into the Effects of Category Centrality on Market Basket Value

MAJOR PROFESSOR: Mayukh Dass

#### HSUAN SHAWNA CHEN (In absentia)

DISSERTATION: Opportunity Near or Far: The Theoretical Structure and Cognitive Antecedents of Entrepreneurial Action

MAJOR PROFESSOR: Ronald K. Mitchell

#### ZHAN ZHANG FURNER

DISSERTATION: The GAAP Lock-out Effect of Worldwide Corporate Profits and Firm Value

MAJOR PROFESSOR: Robert Ricketts

#### JAE HWAN LEE (In absentia)

DISSERTATION: Stakeholder Work and Stakeholder Engagement: An Integrated Framework

MAJOR PROFESSOR: Ronald K. Mitchell

#### ARTEM VYACHESLAVOVICH MESHCHERYAKOV

DISSERTATION: Can Non-local Traders Capture the Local Information Advantage and Profit from It?

MAJOR PROFESSOR: Drew Winters

#### ANGELA FRENCH RANDOLPH (In absentia)

DISSERTATION: Hypomanic Personality and Opportunity Development

MAJOR PROFESSOR: Keith Brigham

#### PINYARAT SIRISOMBOONSUK

DISSERTATION: Exploring the Relationships between Information Technology Governance and Project Governance and Their Impacts on Project Performance: An Empirical Study

MAJOR PROFESSOR: Qing Cao

#### XINCHUN WANG

DISSERTATION: Estimation of Probabilistic Extreme Wind Load Effect with Consideration of Directionality and Uncertainty

MAJOR PROFESSOR: Mayukh Dass

### CHEMICAL ENGINEERING

#### FAHMIDA IRIN

DISSERTATION: Utilizing Electrical, Mechanical, Adsorbent, and Microwave Properties of Carbon Nanomaterials

MAJOR PROFESSOR: Micah J. Green

### WENQIAN TAO

DISSERTATION: Development of Universal Influenza A Vaccine Based on Conserved Viral Protein M2e and Its Nanocarriers

MAJOR PROFESSOR: Harvinder Singh Gill

### CHEMISTRY

#### AUSTIN JAMES PRIVETT (In absentia)

DISSERTATION: Electron Nuclear Dynamics: The Resolution of Electronic States, Extension to Direct Ionization, and the Irradiation of Biomolecules in Proton Cancer

MAJOR PROFESSOR: Jorge Morales

#### VIDURA DHANANJAYA THALANGAMA ARACHCHIGE

DISSERTATION: Donor Substituted Group 14 Anions—New Ligand Platforms for Main Group and Transition Metal Complexes

MAJOR PROFESSOR: Clemens Krempner

### CIVIL ENGINEERING

#### PAN GIL CHOI

DISSERTATION: Structural Evaluation of Transverse Crack in Continuously Reinforced Concrete Pavement

MAJOR PROFESSOR: Moon C. Won

### CLINICAL PSYCHOLOGY

#### CHRISTINE ERIN GARDNER

DISSERTATION: Examining the Moderating Role of Perceived Problem-solving Efficacy in Relations between Asthma-related Quality of Life, Anxiety, and Asthma-related Anxiety

MAJOR PROFESSOR: James Clopton

#### NOREEN LESARE WATSON (In absentia)

DISSERTATION: State and Trait Symptoms of Social Anxiety and Smoking to Cope as Risk Factors for Smoking Maintenance and Relapse

MAJOR PROFESSOR: Lee Cohen

#### ROBERT B. WATTS

DISSERTATION: Variables Related to Acceptance and Commitment Therapy: Influence on Chronic Pain and Activity Engagement

MAJOR PROFESSOR: Susan Hendrick

#### LINDSAY DAWN WILSON-BARLOW (In absentia)

DISSERTATION: Changes in Self-efficacy and Perceptions of Eating Behavior over the Course of Short, Web-based Intervention

MAJOR PROFESSOR: Jim Clopton

### COMPUTER SCIENCE

#### ALAA DARABSEH

DISSERTATION: Cyberspace Security Use Keystroke Dynamics

MAJOR PROFESSOR: Akbar Siami Namin

#### YIN LU

DISSERTATION: Towards Efficient Data Movement at Extreme Scale

MAJOR PROFESSOR: Yong Chen and Yu Zhuang

### COUNSELING PSYCHOLOGY

#### ASHLEY B. BATASTINI

DISSERTATION: Comparing Telehealth and Face-to-face Interview Modalities in Referring Offenders with Mental Illness to Treatment

MAJOR PROFESSOR: Robert Morgan

#### VANESSA ALBINA COCA-LYLE

DISSERTATION: Cultural Attitudes and Female Sexual Desire

MAJOR PROFESSOR: Susan Hendrick and Clyde Hendrick

#### ELIZABETH ELIOT DENNARD

DISSERTATION: Predictors of Disordered Eating in Caucasian and Latino College Students: A Comparison across Culture and Gender

MAJOR PROFESSOR: Steven Richards

#### JULIANNA MICHELLE HARRIS (In absentia)

DISSERTATION: Predicting Patient-centered Behaviors among Infertility Specialists: The Role of Emotional Exhaustion, Depersonalization, and Lowered Sense of Accomplishment

MAJOR PROFESSOR: Sheila Garos

#### JENNIFER LEA McADAMS (In absentia)

DISSERTATION: A Behavioral Examination of the Sexual Temptation Bias in Males

MAJOR PROFESSOR: Sheila Garos

### CURRICULUM AND INSTRUCTION

#### MARQUISHA QUINTA IVERSON

DISSERTATION: Exploring the Connections between High School Teacher Perceptions, Demographics, and Culturally Relevant Teaching Practices: A Case Study

MAJOR PROFESSOR: Trenia Walker

#### DEBORAH RODEN JOHNSON

DISSERTATION: Middle School Inclusion: An Exploration of General and Special Educators' Perceptions

MAJOR PROFESSOR: Peggie Price

#### JUDY E. KNIGHT

DISSERTATION: Balanced Literacy Instruction in First Grade: A Case Study

MAJOR PROFESSOR: Peggie Price

#### MARIO ANTONIO MARTINEZ

DISSERTATION: The Burlesque and Other Tropes: Andragogical Content Knowledge in the 2014 OSHA Oil and Gas Safety and Health Conference

MAJOR PROFESSOR: Trenia Walker

#### JOSE HERIBERTO SALAZAR, JR.

DISSERTATION: Characterizing Interprofessional Education in the Health Profession of Clinical Laboratory Sciences

MAJOR PROFESSOR: Peggie Price

#### JOHN THOMAS SHERRILL

DISSERTATION: The Perceived Effectiveness of New Teacher Mentoring in a Rural Texas School District

MAJOR PROFESSOR: Sally McMillan



**JASON ROBERT SKELTON**

DISSERTATION: Development of a Measure on Instructional Coaching in Teacher Education Programs

MAJOR PROFESSOR: Doug Hamman

**CHRISTOPHER JAMES SLOAN**

DISSERTATION: Special Education Teachers' Perception of Accountability Testing and the Self-efficacy of the Special Needs Child

MAJOR PROFESSOR: Trena Walker

**MARSHA DIANE SOWELL**

DISSERTATION: Perceptions of Middle School Principals in Supporting Student Success: A Descriptive Case Study

MAJOR PROFESSOR: Pegg Price

**TWYLA JEAN DILLARD TASKER**

DISSERTATION: Not Your Typical Fairy Tale: Stories of Success in a Small School

MAJOR PROFESSOR: Pegg Price

**JAN K. WILLIAMS**

DISSERTATION: A Comparative Case Study: How Digital Native Teachers Use Information Communication Technology to Teach Students

MAJOR PROFESSOR: Trena Walker

**ECONOMICS****RUI HE**

DISSERTATION: Essays Regarding Individuals' Allocation of Time: Child Care, Work, Education, and Job Search

MAJOR PROFESSOR: Kaj Gittings

**EDUCATIONAL PSYCHOLOGY****STEVEN RANDALL CHESNUT**

DISSERTATION: The Development of the Achievement Gap During Early Childhood: Trends in Head Start

MAJOR PROFESSOR: Kamau O. Siwatu

**XUN LIU**

DISSERTATION: The Development of an Inventory of Seniors' Life Difficulties and Coping Strategies: A Mixed Methods Study

MAJOR PROFESSOR: William Lan

**ELECTRICAL ENGINEERING****NOAH EVERETT BERLOW**

DISSERTATION: Computational Approaches to Drug Sensitivity Prediction and Personalized Cancer Therapy

MAJOR PROFESSOR: Ranadip Pal

**MOHAMMAD A.E.A. FAIROUZ**

DISSERTATION: Wireless Power Transfer

MAJOR PROFESSOR: Mohammad Saed

**SAAD MD. JAGLUL HAIDER**

DISSERTATION: Anti-cancer Drug Sensitivity Modeling Using Genomic Characterization and Functional Data

MAJOR PROFESSOR: Ranadip Pal

**SUNDARI RAMABHOTLA**

DISSERTATION: Optimization of Energy Management in Microgrid

MAJOR PROFESSOR: Stephen Bayne

**GUOCHAO WANG**

DISSERTATION: Continuous-wave Radar Sensor for Bio-medical and Structural Health Monitoring

MAJOR PROFESSOR: Changzhi Wang

**ENGLISH****KERRY REBEKAH FINE**

DISSERTATION: More Human than Human: American Monsters

MAJOR PROFESSOR: Sara Spurgeon

**LUKE IANTORNO**

DISSERTATION: Apocalyptic Sensibility: The Aesthetics of Millennium

MAJOR PROFESSOR: Ann Hawkins

**ANDREW DOSS KEESE**

DISSERTATION: A Crossing: Postcolonialism and Christianity in the Modernist British

MAJOR PROFESSOR: Jen Shelton

**OLGA PAHOM**

DISSERTATION: Gender, Story-telling, and Language Choices with Spanish-English Bilingual Couples

MAJOR PROFESSOR: Min Joo Kim

**ENVIRONMENTAL TOXICOLOGY****SARA A. PAPPAS**

DISSERTATION: An Investigation of Factors Influencing the Bioavailability of Silver Nanoparticles within a Terrestrial System

MAJOR PROFESSOR: Ron Kendall

**EXPERIMENTAL PSYCHOLOGY****JOHNATHAN EUGENE STATZER (In absentia)**

DISSERTATION: Power as a Type of Self-affirmation

MAJOR PROFESSOR: Zachary P. Hohman

**FINE ARTS****LINA MOHAMMEDALI A. KATTAN**

DISSERTATION: The Conflicted Living Beings: The Performative Aspect of Female Bodies' Representations in Saudi Painting and Photography

MAJOR PROFESSOR: Brian Steele

**JING LIU**

DISSERTATION: An Investigation of Non-musicians' Conservation of Melody under Harmonic Deformations

MAJOR PROFESSOR: Janice Killian

**KELLEY MARIE POCHÉ-RODRIGUEZ**

DISSERTATION: Area: Music Adjudication

MAJOR PROFESSOR: Carolyn Cruise

**BRYAN EARL WHEELER**

DISSERTATION: "Painting Section" or Painting Texas?: Negotiating Modernity and Identity in the Texas New Deal Post Office Murals

MAJOR PROFESSORS: Jorgelina Orfila and Carolyn Tate

**GEOSCIENCES****WILLIAM SCOTT GUNTER**

DISSERTATION: High-resolution Dual-Doppler and Surface Measurements of Thunderstorm Outflow Winds

MAJOR PROFESSOR: John Schroeder

**HIGHER EDUCATION—HIGHER EDUCATION RESEARCH****FLORENCIO URIAS ARANDA III**

DISSERTATION: Higher Education Pathways of Latino Males in the United States: The Narratives of Latino Legislators from Southwest Border States

MAJOR PROFESSOR: Valerie O. Paton

**HOSPITALITY ADMINISTRATION****SAEHYA ANN**

DISSERTATION: Motivating Senior Staff in the Hospitality Industry

MAJOR PROFESSOR: Shane C. Blum

**HUMAN DEVELOPMENT AND FAMILY STUDIES****LAUREN THOMPSON KELLY**

DISSERTATION: The Consequences of Being a Victim and Witness of Family Violence as Reported by Mothers and Child Victims

MAJOR PROFESSOR: Miriam Mulsow

**TIMOTHY OBLAD**

DISSERTATION: A Series of Cyberaggression Studies Exploring Characteristics, Impact, and Implications among College Students

MAJOR PROFESSOR: Dr. Elizabeth Trejos-Castillo

**INDUSTRIAL ENGINEERING****JOHN BENHUR JONNALAGADDA THIMOTHY**

DISSERTATION: In Vitro Characteristics of Porous Biodegradable Poly (ε-caprolactone) (PCS)/ Polyglycolic Acid (PGA) Articular Cartilage Scaffolds Fabricated via Solid State Cryomilling

MAJOR PROFESSORS: Iris V. Rivero and Hong-Chao Zhang

**INTERIOR AND ENVIRONMENTAL DESIGN****HAITHAM ABDULLAH EL-HAMMALI**

DISSERTATION: An Exploratory Examination of the Deficiencies in Building Information Modeling (BIM) Pedagogy in Addressing Contemporary Industry Needs

MAJOR PROFESSOR: Debajyoti Pati

**DENA KATHERINE HAENCHEN**

DISSERTATION: Space Planning and Building Programming: How Stakeholders can Generate Quick, Informed Decisions

MAJOR PROFESSOR: Kristi Gaines

**FATMA ABDOLFTAH M. JOBRAN**

DISSERTATION: The importance of Creating Sustainable Places of Respite in Saudi Arabian Hospitals

MAJOR PROFESSOR: Kristi Gaines

## GRADUATE CANDIDATES

### MARRIAGE AND FAMILY THERAPY

#### DEVIN GLENN DUPREE (In absentia)

DISSERTATION: Person-oriented Approaches in Couple Education Research

MAJOR PROFESSOR: Jason B. Whiting

### MASS COMMUNICATIONS

#### ADENIYI K. BELLO

DISSERTATION: Community Radio is Public Sphere: Integrating Communities of Africa?

MAJOR PROFESSOR: Kent Wilkinson

#### MARY ELIZABETH BROOKS

DISSERTATION: Pig in a Python: The Framing of Older Adults in Advertising

MAJOR PROFESSOR: Shannon Bichard

#### BONI CUI

DISSERTATION: The Impacts of Parasocial Interaction on the Effectiveness of Antismoking PSAs: Investigating Parasocial Interaction, Metacognition, and Attitude Certainty using Moderated Mediation Model

MAJOR PROFESSOR: Melanie Sarge

#### ZIJIAN GONG

DISSERTATION: Quantitative Analysis of Processing Capacity in Visual Search: Examining the Impact of Visual Salience, Involvement, and Prior Knowledge on Selective Attention to Printed Advertisements and Memory Formation

MAJOR PROFESSOR: Glenn Cummins

### MATHEMATICS

#### FATIH KOKSAL (In absentia)

DISSERTATION: Injectivity and Gorenstein Injectivity under Faithfully Flat Ring

MAJOR PROFESSOR: Lars W. Christensen

#### SARAH VIRGINIA OSBORN

DISSERTATION: Multilevel Solution Strategies for the Stochastic Galerkin Method

MAJOR PROFESSOR: Victoria Howle

### MECHANICAL ENGINEERING

#### SURANGA INDRAPRIYA DHARMARATHNE

DISSERTATION: Role of Large-scale Motions on Passive Scalar Transport in a Turbulent Channel

MAJOR PROFESSOR: Luciano Castillo

#### JENA MICHELLE McCOLLUM

DISSERTATION: Enhancing Aluminum Reactivity by Exploiting Surface Chemistry and Mechanical Properties

MAJOR PROFESSOR: Michelle Pantoya

#### NARENDRAN SRIDHAR

DISSERTATION: Numerical Prediction of Wind Flow over Complex Terrain with Shallow and Steep Hills

MAJOR PROFESSOR: Siva Parameswaran

#### JUNHUA WEI

DISSERTATION: Fabrication of Elastomers with High Toughness and Strength by Integrating Nanomaterials

MAJOR PROFESSOR: Jenny Qiu

#### XIANLIN ZENG

DISSERTATION: Hybrid Networked Control for Cyber-physical Network Systems with Applications to Interconnected Power Grids

MAJOR PROFESSOR: Qing Hui

### NUTRITIONAL SCIENCES

#### MONIQUE JENAIE LEMIEUX

DISSERTATION: Targeting Obesity-induced Inflammation via Nutritional and Genetic Approaches

MAJOR PROFESSOR: Naima Moustaid-Moussa

#### MICHAEL PAUL ROGOWSKI (In absentia)

DISSERTATION: The Molecular Mechanism of T1AM on Weight Maintenance and Reversing Obesity

MAJOR PROFESSOR: Shaikh Rahman

#### JADA LYNN STEVENSON

DISSERTATION: Dietary Fatty Acid Effects on Hunger, Satiety, and Metabolism

MAJOR PROFESSOR: Jamie Cooper

### PERSONAL FINANCIAL PLANNING

#### PATRICK MARK PAYNE

DISSERTATION: Risk and Financial Satisfaction

MAJOR PROFESSOR: Charlene Kalenkoski

#### LAURA CATHERINE RICARDI

DISSERTATION: Three Essays on Consumer Credit Card Behavior

MAJOR PROFESSOR: Sandra Huston

### PHYSICS

#### BRITTANY BETH BAKER

DISSERTATION: Positively Charged Muonium Diffusion in Indium Oxide and Other Transparent Conducting Oxides

MAJOR PROFESSOR: Roger Lichti

### SPANISH

#### ANA SYLVIA ACEVEDO

DISSERTATION: Virgenes, Ninfomaníacas, Brujas y Travesti: El Discurso Subversivo de Carmen Boullosa

MAJOR PROFESSOR: Jorge Zamora

#### YURIKO IKEDA

DISSERTATION: Narrative Postapocalíptica en el Mundo Hispano

MAJOR PROFESSOR: George Cole

#### EDITH LOZANO-POZOS

DISSERTATION: La Narrativa Negra de la Cristiada y El Papel de la Mujer en Tres Novelas: La Guerra Sintética, Jahel y Pensativa

MAJOR PROFESSOR: Genaro J. Perez

#### LAURA ELENA VALENTIN RIVERA

DISSERTATION: Collaborative Narratives between Spanish Heritage and Foreign Language Learners: Understanding Aspect Selection through Two Types of Corrective

MAJOR PROFESSOR: Idoia Elola

#### SUSANA VILLANUEVA EGUIA LIS

DISSERTATION: Latin American Literature 20th Century—Construction of National Identities through Literature

MAJOR PROFESSOR: Julian Perez

#### HEATH A. WING

DISSERTATION: States of Exception on American Frontiers: Biopolitics, Violence, and Nation in Martin Fierro, Os Sertões, and Blood Meridian

MAJOR PROFESSOR: John Beusterien

### SPECIAL EDUCATION

#### PIK WAH LAM

DISSERTATION: Teaching Pre-service Teachers to Co-teach: An Interactive Co-teaching Training Protocol

MAJOR PROFESSOR: Robin Lock

#### KATE ELIZABETH PIAZZA

DISSERTATION: Accessing General Education: Creating a Pathway for Special Education Students to Access the General Education Curriculum through Co-teaching

MAJOR PROFESSOR: Robin Lock

### SYSTEMS AND ENGINEERING MANAGEMENT

#### TARA NICOLE WELBORNE

DISSERTATION: A Preliminary Investigation of the Impact of Geographic Dispersion and Degree of Virtuality on Engineering Student Team Processes and Performance

MAJOR PROFESSOR: Jennifer A. Cross

### TECHNICAL COMMUNICATION AND RHETORIC

#### THOMAS KEVIN BURNS (In absentia)

DISSERTATION: Useful Fictions: How *Popular Mechanics* Builds Technological Literacy through Magazine Cover Illustration

MAJOR PROFESSOR: Kelli Cargile Cook

#### KATHERYN LORETTA CRANE (In absentia)

DISSERTATION: The Usability of the Course Syllabus: Testing Syllabi Modality and Comprehension

MAJOR PROFESSOR: Brian Still

#### MELISSA HELQUIST (In absentia)

DISSERTATION: Eye, Ear, Hand: Multimodal Literacy Practices of Blind Adults

MAJOR PROFESSOR: Sean Zdenek

### WIND SCIENCE AND ENGINEERING

#### YUEPENG CUI (In absentia)

DISSERTATION: A Quantitative Model for Measuring Community Resilience

MAJOR PROFESSORS: Daan Liang and Bradley Ewing



**RICHARD JOSEPH KRUPAR III**

DISSERTATION: Improving Surface Wind Estimates in Tropical Cyclones Using WSR-88D Derived Wind Profiles  
MAJOR PROFESSOR: John Schroeder

**XINXIN ZHANG**

DISSERTATION: Assessment of Wind Load Effects on Structures Considering Uncertainties and Directionality of Wind Climate and Aerodynamics  
MAJOR PROFESSOR: Xinzhang Chen

**MASTER OF AGRIBUSINESS**

LANEY MARTHA BATEMAN (In absentia)

**MASTER OF ARCHITECTURE**

DANIEL ERIC BUDKE  
SERGIO A. ELIZONDO  
AARON MATTHEW HERRMANN  
GILBERT AVITUA PEREZ, JR.  
JOSE MIGUEL RUVALCABA DOBBS  
CHRISTOPHER T. SANTACROCE  
MATTHEW CALQUITT SMITH

**MASTER OF  
ART EDUCATION**

ANIKA BLANCO  
SARAH NICOLE HARTMAN  
ANA LISA HARVEY  
RICHARD WARREN KINCHELOE  
GERMAIN QUINTANILLA  
ELIZABETH MARIE REYES

**MASTER OF ARTS****ANTHROPOLOGY**

LISA CAITLIN HIGHSMITH  
THESIS: Degenerative Joint Disease in the Wrist, Hand, Ankle, and Foot: A Study of Geriatric Skeletons from St. Nicholas Cemetery, Limassol, Cyprus

**COMMUNICATION STUDIES**

SAMER MELHEM  
LAURAN MICHELLE SCHAEFER  
THESIS: The Communication of Rape Culture: A Critical Analysis of Reactions to "No Means Yes" Rhetoric

**ECONOMICS**

HOSSEIN SALEHI  
THESIS: The History of Stagflation: A Review of Iranian Stagflation

**HISTORY**

CARSON EUGENE BENN  
THESIS: Rose Vines and Rotting Ghettos: Gangsta Rap, Appalachian Folk Songs, and the Place of Bad Music in American Popular Culture

**TYLER JOSEPH BOUZA**

COURTNEY ANN HUBBART (In absentia)  
THESIS: Ties That Bind: Chivalric Loyalty in the Late Twelfth Century According to Major Angevin Chroniclers

**SAMANTHA KALYNE LACK (In absentia)**

THESIS: Amusing Instruction: Constructing the Modern Child in England during the Long Eighteenth Century

**FRANCES PAIGE MARTIN**

THESIS: "Freed Vietnamese Have Her to Thank": Khuc Minh Tho, the FVPPA, and the Use of Grassroots Diplomacy in the Release, Immigration, and Resettlement of Vietnamese Re-education Camp Prisoners, 1977-2011

**ABEL RIOS**

THESIS: Entitled to Exemption: How the Vietnam War Defined Conscientious Objection in America

**INTERDISCIPLINARY STUDIES**

ERIK CABELLO ARREOLA  
RYAN NEIL DIXON  
LEANNE MARIE DRAUS  
AYMAN ABDO QUBLAN HARB  
ALEXANDER JAMES WYATT (In absentia)  
THESIS: Conflict in the Middle East: Investigating the Islamic Civil War

**MASS COMMUNICATIONS**

LAURYN PAIGE ARNHART  
SHANE THOMAS BRINKLEY  
JACOB GARRISON COPPLE  
THESIS: Analysis of Climate Change Evidence Presentations and Information Formats  
FELICIA CHRISTINA GARCIA (In absentia)  
SABINA GURUNG  
ATILLA HAFIZOGLU  
DARAN JUDY LIU  
CRYSTAL PRICE

THESIS: A Textual Analysis of and Comparison between Early 20th Century and Contemporary Marijuana Propaganda

**YIWEN QIU**

MARICRUZ GARCIA SAMARRIPAS  
MEGAN DIANE SPRAGUE  
LINDSEY ANNE SWEETGALL

KAITLYN TAYLOR WESTFALL (In absentia)

VERONICA CLAIRE WICKS

**XU ZHANG**

THESIS: Media Coverage of the ISIS Threat: Transnational Media and Global Journalism

**MUSEUM SCIENCE**

KELLY MARIE CHANDRAPAL (In absentia)  
RAQUEL SHANNON COLEMAN  
AMBER ELIZABETH GARCIA  
ANDREA NELL MORENO  
SHELBY RACHEL NEWMAN  
KRISTIN ALLISON RODRIGUEZ  
JESSICA ELIZABETH SCHNEIDER  
KARI ALLISON SMITH  
BRITTANY ALYSE SPRAGGINS

**POLITICAL SCIENCE**

CHASE ANDERSON JONES (In absentia)

**PSYCHOLOGY**

DOMINIK BOROWA (In absentia)  
SARAH LOUISE BROWN  
TERRI ANN DUNBAR (In absentia)  
JESSICA MICHELLE JOHNSTON (In absentia)  
JARED FREDERICK ROUSH (In absentia)  
ANGELA KAY STEVENS  
THESIS: Impulsivity and the Intention-behavior Relation for Emerging Adult Alcohol Consumption

**TECHNICAL COMMUNICATION**

MICHELLE CHRISTINE YORK

**MASTER OF BUSINESS  
ADMINISTRATION****GENERAL BUSINESS**

MASRUQUE MURTOZA ALI  
LOGAN TANDY ARRANT  
BRAXTON CHANDLER BARNARD  
KEITH RASHON BELL  
WILLIAM WINSTON BUTLER III  
KRISTOPHER RYAN BUTLER  
JEREMY JASON CARSON  
AMRITPAUL SINGH CHATRATH (In absentia)  
WESLEY ALAN CUNNINGHAM  
JON PATRICK DOUGLAS  
ERIC L. EDWARDS  
MARCELLA NEDRA FORD  
JUSTINE N. GONZALES (In absentia)  
WILLIAM B. GUY, JR.  
NATASHA BAFFOUR AKOSUA HEMENG  
JAOU-CHEN HUANG  
TAYLOR LEIGH HUTTON  
DAVID LAWRENCE IRVIN  
TYLER RANDALL SCOTT JONES  
BLAKE ALAN KEATHLEY  
JACOB THOMAS KNICKERBOCKER  
JESSE DYLAN MILLER (In absentia)  
SIDDHARTH DEEPAK PANDITRAO  
ELISABETH DANIELLE PERKINS (In absentia)  
NATHAN SAMUEL RHODEN  
ALEXIS NICOLE RICCI  
LEONEL RUIZ (In absentia)  
CHRISTOPHER T. SANTACROCE  
AMIT MADHAV SAWARGAONKAR  
REESE ALLAN SCARBOROUGH (In absentia)  
CIERA ELIZABETH SOTO  
JUSTIN LEE TALAVERA  
KEAGAN TAYLOR WILLIAMS

**MASTER OF EDUCATION****BILINGUAL EDUCATION**

FELICIA MOJICA

**COUNSELOR EDUCATION**

PINKYPINKY ISMAIL ALI  
TAYLOR ELIZABETH CHADICK

## GRADUATE CANDIDATES

**SARAH L. DINGUS**  
**JESSICA ANNE HOPF**  
**AMELIA RAMIREZ MENDEZ**  
**HOWARD PAUL MONSOUR III**

### CURRICULUM AND INSTRUCTION

**TIFFANY A. COOPER**  
**SAN JUANITA DOMINGUEZ** (In absentia)  
**LYGIA D'NAY FOREMAN**  
**GINA LYNN GERMAN**  
**KANDACE KILGORE HAIGLER** (In absentia)

THESIS: Environmental Education Field Trip:  
The Importance of Fifth Grade Students' (10-  
11 Years Old) Sociocultural Experiences at a  
State Park

**SARA ELIZABETH JOSE** (In absentia)  
THESIS: Examining Secondary Students' Mental  
Models of a Local Environment after an Expe-  
riential Learning Field Trip

### CHANDRA KAYE MALONE

**JILLIAN J. WEINSTEIN** (In absentia)  
THESIS: Using Systems Theory to Define the  
Importance of Informal Educator Communica-  
tion with Formal Educators

### EDUCATIONAL LEADERSHIP

**KRIS ANN BLODGETT**  
**JUSTIN NEIL BURRUS**  
**YVONNE MARINEZ VALDEZ**

### HIGHER EDUCATION

**SONIA LYNN MOORE**

### INSTRUCTIONAL TECHNOLOGY

**STEPHEN D. HAYES, JR.**  
**MARISA ESTRELLA MEJIA**  
**PAUL R. RODRIGUEZ**

### SPECIAL EDUCATION

**KENDALL ANN ALIBER** (In absentia)  
**CARLA K. BISHOP-MORALEZ**  
**LAURA NICOLE CROY**  
**LAURA KAY DELCAMBRE**  
**KELLIE LYNN DYER**  
**CECILIA ESTELA ERALES**  
**TIFFANY LATRESE FULLER**  
**TANYA HYMES GOSSETT**  
**MICHELLE ORTBERG HANCOCK** (In absentia)  
**LORETTA ANN HARMSSEN**  
**REBECCA LILLIAN HAYNES**  
**TIFNI JOANETTE HELMS**  
**CLOTEEL RASHELLE JOHNSON**  
**KRISTEN MARIE KING**  
**MELODY LYNN LEHMAN** (In absentia)  
**CHEYENNE PAIGE McBRAYER** (In absentia)  
**ANN RUIZ**  
**JENNIFER J. SAYLES** (In absentia)  
**STEFANIE ANNETTE SCHWARTZ**  
**JANELLE LEEANN WALTA**

## MASTER OF ENGINEERING

**JAROD KRISTOPHER KING**

## MASTER OF FINE ARTS

### ART

**PEDRAM BALDARI** (In absentia)

### THEATRE ARTS

**JAMIE MICHAEL ROGERS**

## MASTER OF MUSIC

**ZACHARY JOHN EVAN HOUSTON**

**KATHRYN KIE MANN**

THESIS: The Trope of the Cailin: Constructions

of the Feminine in Three Sean-nos Songs

**NATHAN NORIAKI TANOUYE** (In absentia)

## MASTER OF MUSIC EDUCATION

**WILLIAM ASBURY BALCH**

**EVAH JO CHAMBERS**

**JULIE BREEDEN DE HOYOS** (In absentia)

**NICHOLAS FRANCIS FLOOD**

**JODY LANE KEESEE**

THESIS: High School Students' Intellectual  
Processing and Introspective Feelings About  
Music: Perceived Emotion vs. Felt Emotion

## MASTER OF PUBLIC ADMINISTRATION

**LIESL E. WYETT**

## MASTER OF SCIENCE

### AGRICULTURAL AND APPLIED ECONOMICS

**MENG JIANG**

**SHELBI RENAE KNISLEY**

THESIS: Analysis of China's Impact on Austra-  
lia's Grain Sorghum Export Market

### AGRICULTURAL COMMUNICATIONS

**CHRISTINA MARIE CHADWELL**

**KATHERINE GEORGEANNE SETTERBO**

THESIS: Going Against the Grain: Atypical Stu-  
dents in the College of Agricultural  
Sciences and Natural Resources at Texas Tech  
University

### AGRICULTURAL EDUCATION

**MICHELLE NEWTON HARRÉ**

**LUCY McMILLAN PRESTWOOD**

### ANIMAL SCIENCE

**CAITLIN L. SHELINBARGER**

THESIS: Momentary Exposure to a Microflu-  
idic Environment Seems to Enhance Embryo  
Development

### APPLIED PHYSICS

**BANDAR MOHAMMED H. ALHARBI**

THESIS: Origin of Unexpected Condenser-like  
Rings Observed in Fourier Plane Images  
Obtained Using Immersion-oil Objective  
Lenses

### ARCHITECTURE – POST PROFESSIONAL

**PAOLA MUNIZ GARCIA**

THESIS: Concrete 3D Printing with Robotic Arm  
Application

**JESSE VINAY KANTH NEDUNURI**

THESIS: Adaptive Solar Power Harvesting Build-  
ing Skin

**MIROSLAV NEVLIDA** (In absentia)

THESIS: Mass Fabrication of Non-standard  
Geometries

### ATMOSPHERIC SCIENCE

**CASEY BENJAMIN GRIFFIN**

THESIS: In Situ and Radar Observations of the  
Low Reflectivity Ribbon

**AARON W. HARDIN**

THESIS: Assessment of Urban Heat Islands  
During Hot Weather in the U.S. Northeast and  
Linkages to Microscale Thermal and Radia-  
tional Properties

**MATTHEW JAMES LAURIDSEN**

THESIS: Nonlocal Inadvertent Weather Modifi-  
cation Associated with Wind Farms in  
the Central United States

**MATTHEW CHRISTOPHER MAHALIK** (In absentia)

THESIS: Characteristics and Importance of Hori-  
zontal Momentum Surges in Supercells

**JENNIFER CHRISTIAN NAUERT**

THESIS: Quantifying the Effect of Irrigation on  
Non-local Aspects of the Atmosphere

**PHILLIP JAMES WARE**

THESIS: Thunderstorm Electrification and Kine-  
matics as Seen Through Ensemble Lightning  
Flash Properties

### BIOLOGY

**COREY G. COLEMAN**

THESIS: Specific Gravity of Ova and Larvae for  
Pelagophilic Broadcast-spawning Cyprinids

### BUSINESS ADMINISTRATION

**COLIN DANIEL CALBREATH** (In absentia)

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**NATHAN SAMUEL RHODEN**

### COMPUTER SCIENCE

**MOHAMMED NAZIM FERROZ** (In absentia)

THESIS: Examination of Data and Detection of  
Phishing URLs Using URL Ranking

**P M MAHMUDUL HASSAN**

THESIS: A Comparative Performance Study on  
Data Storage Formats for Big Data Analytics

**ROBERT J. JOHNSON** (In absentia)

THESIS: Game Programming Used to Teach  
Introductory Concepts in CS

**YUN LOU**

**RASHMITHA RAMASAHAYAM**  
**NAGENDRA VARMA TOTAKURA**

**ENVIRONMENTAL TOXICOLOGY****THOMAS RICHARD BILBO** (In absentia)

THESIS: Toxicological Implications of the Developmental Environment in Two *Aedes* sp. Vector Mosquitoes

**REBECCA SUZANNE COCHRAN**

THESIS: Evaluation of Perfluorinated Compounds in Sediment, Water, and Passive Samplers Collected from the Barksdale Air Force Base

**BRIDGETTE NICHOLE FIDDER** (In absentia)

THESIS: The Toxicological Effects of Pyraclostrobin on the Energy Allocation Pattern of the Freshwater Gastropod, *Lymnaea stagnalis*

**KRISTINA LYNN KOHL**

THESIS: Neonicotinoid Insecticides: Agricultural Use, Runoff, and Invertebrate Toxicity

**HEATHER AMELIA LANZA**

THESIS: Perfluorinated Compound Residues in Biota Collected Near Barksdale Air Force Base, Bossier City, Louisiana, USA

**KARA A. MINTON**

THESIS: The Role of Temperature Variation in Neonicotinoid Toxicity and Species Sensitivity Distributions to Temperature

**EXERCISE AND SPORT SCIENCES****LUKE THOMAS ADAMS****REBECCA LEIGH ANDERSON****MICHAEL JARED BOYD****DYLAN PATRICK CLARK****ALEXANDER STEPHEN DRUSCH**

THESIS: The Effects of an After-school Strength and Conditioning Program on the Rate of Torque Development in Pre-adolescent Boys

**CHANTE SIERRA FREEMAN****CHRISTIAN TYLER PEREZ****MATTHEW SHORT**

THESIS: The Circulatory Levels of Irisin in Response to Acute and Chronic Resistance Training in Healthy Humans

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THESIS: Studying the Geometry and Kinematics of Gypsum-filled Fractures in the Permian Strata of Caprock Canyons State Park, Texas, USA

**RYAN ALLEN BERRY**

THESIS: Hornblende as an Indicator of Magma Batches and Magmatic Processes in the English Peak Pluton, Klamath Mountains, California

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THESIS: Fluvial Overprinting of Glacially Induced Microtextures on Quartz Grains Derived from the Chitina Glacier, Alaska

**HORTICULTURE****B. KELLEY-ANNE RAWLSKY****HUMAN DEVELOPMENT AND FAMILY STUDIES****BRITTANY L. SELPH****INTERDISCIPLINARY STUDIES****HANNAH LYNNE BERGREN****ELIZABETH ANN GONZALEZ****TANYA ARUNPRAKASH MISHRA**

THESIS: A Comparative Study Between Idealism and Realism in Mythological Sculpture and Portraiture in Hellenistic Greece (323-31 BC)

**YAMINI PRADEEPIKA RATHAMSETTY****MANAGEMENT INFORMATION SYSTEMS****MADHUMATHI KANNAN** (In absentia)**SHASHI KIRAN NARASIMHA REDDY****MARRIAGE AND FAMILY THERAPY****RAQUEL SHUMWAY CRUZ****MATHEMATICS****JACK EDWARD BYERS****CUI LUI**

THESIS: Statistical Analysis on Warming Effects in Kansas City Area

**HAIBO ZHANG****MICROBIOLOGY****TREVOR TAREK MASON** (In absentia)

THESIS: Assessing Direct and Indirect Effects of the Fungicide, Flutriafol, on Arbuscular Mycorrhizal Fungi in Controlling Cotton Root Rot

**RACHEL LEANN SIMS****DIANA LUCIA VARGAS GUTIERREZ**

THESIS: Effects of Daily Soil Temperature Range on Microbial Community Dynamics in a Dry-land Cotton Production System in West Texas

**PERSONAL FINANCIAL PLANNING****SHAINA HILL****HERMELJOHNSON, JR.** (In absentia)**ZUNAIRA KHALID****MICHAEL CLARK WALSH** (In absentia)**PHYSICS****MABKHOOT MUDITH S. ALDAWSARI**

THESIS: Comprehensive Study of Optical Condensers Formed in Wet-mounting Setup

**CHRISTOPHER MARTIN STANLEY****PLANT AND SOIL SCIENCE****AMRITA DHAL**

Thesis: GLABRA2 (GL2) Regulation of Cellulose Synthase A 5 Gene Expression in *Arabidopsis*

**NIRAJ RAYAMAJHI**

THESIS: Conservation Genetics of *Sclerocactus brevihamatus* subsp. *tobuschii* and an Assessment of Its Genetic Relationship with *Sclerocactus brevihamatus* subsp. *brevihamatus*

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THESIS: Characterization of Soils via Portable X-Ray Fluorescence Spectrometer

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THESIS: Crop Tolerance and Weed Management with Pyroxasulfone in Cotton

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THESIS: Genetic Mapping of Mice Derived From an F2 Intercross Population

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THESIS: Can a River-Reservoir Interface Serve as Nursery Habitat for Riverine Fishes?

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THESIS: Large Mammal Water Use on the Barry M. Goldwater Range-East in Southwestern Arizona

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THESIS: Short-term Effects of Wildfire on Bat Activity on the Valles Caldera National Preserve, New Mexico

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THESIS: The Effects of Vegetation Variability, Demographic Differences, and Spatial Factors on Urban Bird Richness

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THESIS: Seasonal and Diel Elk Habitat Selection in the Jemez Mountains of New Mexico

**KRISTINA JEAN YOUNG** (In absentia)

THESIS: The Human Dimensions of Urban Water Bodies and Associated Green Spaces

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THESIS: Timing Behavior Modeling and Analysis  
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THESIS: Calculating the Weight of a Pig  
Through Facial Geometry Using  
2-dimensional Image Processing

ERIC SIEGFRIED CORDERO DE SAINT MARS

THESIS: Design of High-power, Lithium-ion  
Polymer Battery Management Systems

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THESIS: Transient Electric Field Reconstruction  
Using Wavelet Decomposition Theory and  
Particle Swarm Optimization

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JARED MICHAEL JOHNSON

THESIS: Kilohertz Operation of a Gyromagnetic  
Nonlinear Transmission Line High Power  
Microwave Source

SRI RATHAN RANGISETTI

THESIS: Analysis, Design, and Optimization of  
Binary to BCD Converters

EVAN ROCHA

THESIS: Comparison of a Carbon Fiber and  
Carbon-epoxy Multicapillary Cathode in a  
Reflex Triode Vircator under UHV Conditions

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THESIS: A System for Time-discretized Vacuum  
Ultraviolet Spectroscopy of Spark Discharges

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THESIS: Rigorous Theory Based on Transient  
Eigen Expansion Rectifying Known Integral  
Analysis of Unsteady Viscous Encroachment in  
Capillary Channels

GODLOVE AZHIE-NWI WANKI

THESIS: Tumor-endothelial Cell Interaction and  
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<sup>1</sup>Summa Cum Laude   <sup>2</sup>Magna Cum Laude   <sup>3</sup>Cum Laude   <sup>4</sup>With Honors   <sup>5</sup>With Highest Honors



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2nd Major: Marketing

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BRADLEY COLE BADER  
MAX HENRY DIEFENTHALER  
JEREMY MICHAEL FRY  
LOGAN A. JOHNSON  
LANDON D. McCORMACK<sup>3</sup>  
JOSHUA DAVID NEEL  
MASON JOSEPH TIFFIN  
2nd Major: Management

**GENERAL BUSINESS**

SHELBY DANIELLE AMAN  
DAVID MICHAEL COLE  
NATACHI TIFFANY IWUOHA  
DEREK RYAN PRADON  
TRAVIS LANTZ TARLETON<sup>4</sup>

**INTERNATIONAL BUSINESS**

MADILYN HETTLER<sup>3</sup>  
2nd Major: Marketing  
BRAD HUNTER TOWNLEY  
2nd Major: Finance

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

## UNDERGRADUATE CANDIDATES

### MANAGEMENT

BROOKE NICOLE BRUINGTON  
DUC HUY CAN<sup>3</sup>  
TAYLOR J. CARLAT  
GUSTAVO ADOLFO CHAVIRA  
2nd Major: International Business  
EMILY MARIE KIM COPPLE  
2nd Major: Marketing  
ALLIE JEAN DEKOKER  
PANAGIOTIS GEORGE DIMOU  
SAM G. FADDUOL  
MARIA ELIZABETH FLORES  
CARTER JAMES GERLACH  
BERENISE GONZALEZ  
HALEY ELAINE HEDLUND  
PATRICK ALAN HICKS, JR.  
JARED BRIAN HILL  
RACHEL L. KANE  
RYAN JAMES KUKLINSKI  
2nd Major: Marketing  
BAILEY B. MELTON  
MATTHEW CRAIG MENDENHALL  
TAYLOR WAYNE NEIGUT  
2nd Major: Marketing  
EMMA NUNLEY  
CAMERON LEE PHILLIPS  
2nd Major: Marketing  
ASHLEY NICOLE REYES<sup>2</sup>  
BRADLEY STEVEN SMITH  
JACY PAIGE SMITH  
CHARLES HAYS SPOOLSTRA  
MARISSA RACHELE VIRGADAMO  
NATHANIEL RYAN WILLOWS

### MANAGEMENT INFORMATION SYSTEMS

AKINBOBOLA IFEOLUWA AKINBORO  
TRENT WILLIAM ANDERSON  
MICHAEL J. GAZOULEAS  
AMY LOUANGRATH<sup>3</sup>  
KEANA L. MOUTRA  
KEVIN J. PAYEN

### MARKETING

GABRIELLE ANNE AGUIRRE  
REBEKAH J. BEHNER  
BEAU ANDREW BOLFIN  
CALEB ANDREW COX  
ELLEN ELIZABETH ENO  
ARLISSA L. GARRETT  
LYDIA EILEEN GIBBONS  
2nd Major: Management  
BETHANY LEIGH GOFF<sup>2</sup>  
MARLISA MICHELE GONZALEZ  
2nd Major: Management  
JOHN DANCY HAGER  
GEORGE HAROLD HARRIES  
HAYDEN GRIFFIN HESTER  
HEATHER MARIE HOSKINS  
JENNIFER ROSE HUTYRA  
TRAVIS BASSEM ITANI  
JACK THOMAS JENNINGS  
2nd Major: Management  
MATTHEW BRYAN JOBE

JACOB KYLE JONES  
NATALIE ANN KENDRICK  
2nd Major: Management  
MICHAEL TRAVIS MABRY  
LYNDON COLE MASSEY  
2nd Major: Management  
CAROLINE E. McBRIDE  
PATRICK O'CONNELL PATTERSON  
HARRISON BRAYDEN ROSE  
ANDY GROVES RYAN  
ELLIOT JACKSON SEWELL  
BRIANNA NICOLE SHARP<sup>3</sup>  
TAMUKA KUNDAI SIMANGO  
CADE CARLTON SKEETE  
JOSEPH CHARLES SKINNER  
COLTON MARK SONNAMAKER  
2nd Major: Management  
CLEMENT SORDET  
KELCEY RENE SULAK  
2nd Major: Management



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MARIA ELENA ARAGON<sup>1</sup>  
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SALENE BAMPI<sup>2</sup>  
EDUARDO BARCENAS<sup>2</sup>  
VANESSA A. BOSQUEZ  
PAULA RENE BROOKS<sup>1</sup>  
JASON CHARLES BUSTILLOS<sup>1</sup>  
ARACELY CARDENAS<sup>2</sup>  
VALERIE CASTILLO<sup>2</sup>  
HURLENE A. CATAHAN  
MARIA ISABEL CORONADO<sup>1</sup>  
EVELYN COVARRUBIAS  
STEFANI CUEVAS  
BARBARA DEJARNETT<sup>1</sup>  
JENNIFER C. DELGADO<sup>1</sup>  
YARA JAZMIN DURAN  
MARIA CARMEN EGUILUZ<sup>2</sup>  
MARTHA LETICIA ESQUIVEL<sup>2</sup>  
ERIC XAVIER ESTRADA<sup>1</sup>  
DAISY FUENTES<sup>1</sup>  
DENNISE ARLETH GARCIA<sup>1</sup>  
BEA LINDA GARZA<sup>1</sup>  
SHAY LEE GONZALEZ<sup>3</sup>  
ARACELY XITALY GUAJARDO<sup>2</sup>  
NANCY GUERRA<sup>1</sup>  
NANCY GUERRERO<sup>1</sup>  
CINTHIA GUTIERREZ<sup>2</sup>  
ANEL MONZERRAT HIDALGO-MATURANO<sup>1</sup>  
JOSHUA STEVEN HILDINGER  
JOVAN IBARRA<sup>3</sup>  
LAUREN M. IMMENSCHUH<sup>1</sup>  
MAIRA JAIMEZ<sup>1</sup>  
MYRIAH LYNN JONES  
CHARITY H. KINCANNON-KESTER<sup>1</sup>  
SONIA M. KROWL<sup>2</sup>

MARILYN NICOLE LANGFORD<sup>1</sup>  
SYLVIA LOPEZ  
SAMANTHA ANN MARTINEZ<sup>2</sup>  
DAWN A. MASON<sup>1</sup>  
ASHLEY DEANN MENDOZA<sup>2</sup>  
MYRA MIRANDA  
CANDIDA R. OSEGUEDA<sup>1</sup> ALEJANDRA  
PADILLA<sup>3</sup>  
GENEVA A. PAUL<sup>2</sup>  
ELIZABETH ORONA QUEZADA  
EMILY CLAIRE RAHE<sup>3</sup>  
LIZBETH RENTERIA<sup>1</sup>  
MARIAH JO ROBINSON  
EVELYN OROZCO ROBLES<sup>2</sup>  
MISTY NICOLE RODRIGUEZ<sup>1</sup>  
STEPHANIE MARIE SANCHEZ  
ANNA MARIE SANDOVAL  
KENDRA LYNN SIMONEAUX<sup>1</sup>  
SHELLI ANNETTE SISK<sup>2</sup>  
SALENA K. SMITH<sup>2</sup>  
FRANCES CONSTANCE STO DOMINGO<sup>3</sup>  
MARISOL LARA SUAREZ<sup>1</sup>  
CARLEE CRISTEN THOMPSON<sup>3</sup> AMBER  
CHRISTINE TUMEY  
SHIRLEY C. VASQUEZ<sup>1</sup>  
BRENDA VILLA-CHAVEZ<sup>2</sup>  
STEPHANIE INEZ VILLARREAL  
STACY GAIL WHITTEKER  
KRISTEN LEIGH WILLIAMS<sup>1</sup>  
JANEÉ RAVON WILSON  
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TYLER NICHOLAS SONNTAG  
EILEEN NYAMBURA WAINAINA  
THEODORE WILLIE WILLIAMS

#### CIVIL ENGINEERING

JONATHAN COLE HAMPTON  
SIMON NATHANIEL MELONAS

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CARLOS GABRIEL ALBAN  
NORMAN BREWER  
HAYDEN KYLE MILLER

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JACOB GENE CRABTREE  
JARED TYLER EBANKS  
STEPHEN GEORGE  
JOY M. GLORIA  
GREGORY CLARK HARRISON  
THOMAS REID HOROFF  
TRAVIS JAMES MORRISON  
KENDRICK AARON WILLIAMS

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

#### CONSTRUCTION ENGINEERING

MICHAEL EDWARD CUMMINGS  
ALEX KATE DUBBERLY  
JOSHUA DANIEL RODRIGUEZ

#### ELECTRICAL ENGINEERING

OBIAJULU QUINCY ANADUAKA  
DOUGLAS ERNEST BERNHOFT  
VINCENT LAWRENCE DOMINIC  
JAMIL MARC FAULKNER  
SHANNON PAUL FEATHERS III  
JARRED WADE FERGUSON  
MATTHEW KYLE GOHLKE  
ANDREW O. JONES  
ANDRES L. MIRELES<sup>3</sup>  
DUY NGUYEN<sup>1</sup>  
BLAYNE OWEN PARRISH  
MISLAV RAC  
AUSTIN WARREN REID  
HORACE LEE ROBISON  
THOMAS L. ROCHA  
HEATH WINSTON STEELE  
WILLIAM CHRISTOPHER STOUT  
2nd Major: Computer Science

#### ENVIRONMENTAL ENGINEERING

MEGAN NICHOL MULLEN

#### INDUSTRIAL ENGINEERING

ALONZO GUADALUPE GONZALEZ  
JOHNSON HO  
THOMAS MATHEW  
LINH-GIA NGUYEN-VAN  
CHRISTIAN A. NIMOH  
BREYLYN DEVON RANKINE  
ANDREW CRAIG THOMAS

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JESUS EFREN CANO  
BRETT GLENN COOK  
DAVID WILDS DAY  
JOSHUA EDWARD FALDYN  
TANNER CRAIG FORD  
TYLER GARRETT HART  
ROBERT TRAVIS HILDEBRAND  
ROSS ALAN MAYNARD  
JONATHAN CHIBUEZE MGBEIKE  
XAVIER IGNACIO NANEX  
RYAN KENDALE RICHESON  
JAMES DALLAS SEWELL III  
MOHAMMAD K. SHAHID  
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#### HONORS ARTS AND LETTERS

SIRIA YSABEL BOJORQUEZ<sup>3,5</sup>  
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ANGELA MARIE JONES<sup>3</sup>  
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TABITHA CECILE CARRASCO  
ELLEN MARIA CHANCELLOR  
EMILY LYNN CHARLTON<sup>2</sup>  
2nd Degree: General Studies  
TAYLOR MAE DAWSON<sup>1,4</sup>  
ELIOT MARTIN DRAKE  
ALISON RENEE GILLILAND  
LISA LI HON  
VALENCIA CECIL JACKSON  
ELAINE ELISE MORTON<sup>2</sup>  
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SHYANNE NICOLE YURRITA

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JACORIAN KEVON DUFFIELD  
EMILY MARIE HAMILTON  
MAZIE RENE HERNANDEZ  
JOHN NORMAN LASSETER  
LATRESE CHANEL VANCE  
KAYLA JOY WANG

#### EARLY CHILDHOOD

APRIL MARIE CRAIG

#### FAMILY AND CONSUMER SCIENCES

HALEY DANIELLE JACKSON

#### HUMAN DEVELOPMENT AND FAMILY STUDIES

SAMANTHA CATHERINE ABERNATHY  
CAITLYN JANA BUSH  
VANESSA RENE CASTILLO

STEPHANIE BLAIR CHADWICK  
AARON KYLE CHAPMAN  
JANA RAE DIERMANN  
SILVIA GIOVANNA GARCIA  
ASHLEY MARIE GONZALES  
MARCELA NICOLE INGRAM  
MOLLY ANN JOHNSON  
JENSEN ALEXA JONES  
LOGANN LAMB JONES  
KENDALL ANNE KANGIESER  
HALEY ELIZABETH KOREN  
SARAH ELIZABETH MASSEY  
JESSICA CEANA MESSER  
KAYLA RENEE MOSELEY  
GISELLE MARIE NAVARRETE  
ALYSSA ASHLEY NELSON  
MEGAN KATHRYN PALADINO<sup>3</sup>  
HEATHER BRIANNA PARKER  
CHANDLER SUZANNE PRESNALL  
AMANDA CECILE SILVA  
BRITTANY LYNN TURLINGTON  
EMILY CARROLL TURNEY  
WHITLEY KREE VEAZEY  
SAMANTHA JOANNE WAITE  
CIERRA CAPRICE WHITE

#### HUMAN SCIENCES

McKENZIE BROOKE ARCHER  
ELYSE NICOLE BUSBY  
ADELAIDE DIANA CASTILLO  
DARRYL NORWOOD DORA  
LAQUITHA QUINETTE DUNCAN  
BRIANNE KAYLEE GODLEVSKI  
EMYLEE TAYLOR PROVENCE  
CANDICE NIKOLE HALE  
KACIE RHEA HALE<sup>3</sup>  
PATRICK SCOTT HART  
ANGELA CLARABELLE LUNA  
MICHELLE MARIE MELROSE  
TYLER DEAN MIDDLETON  
REBECCA GABRIELLE NICKENS  
AUDRA JOE NIEMAN  
CHRISTOPHER JAMES RAMIREZ  
TAYLOR ELIZABETH REDDINGTON  
KACEY RENEE SCHWENK  
SHANICE MARGAREE STEWART  
SIRRON JAMES WARREN  
SHELDON THOMAS WEBSTER  
JAMES BRENNAN WELCH

#### NUTRITION

ODESSA ERIN APPEL  
RACHEL LAUREN COFFMAN  
MEAGAN ELAINE FULCHER  
KATHRYN PAIGE GREEN  
AVRIL VONETTA MCGHEE  
STEPHEN P. RAJOTTE

#### NUTRITIONAL SCIENCES AND DIETETICS

CYNTHIA ENRIQUEZ  
KASSANDRA TROI LAMB  
CONNALLY REBECCA RUSHING  
ALSTON COLE TRBULA<sup>3</sup>

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



## UNDERGRADUATE CANDIDATES

### RESTAURANT, HOTEL, AND INSTITUTIONAL MANAGEMENT

KADY LAUREN AUGUSTUS  
BRANDON TRANT BARTA  
ELISSA CAMILLE BROWN  
KENNEDI JEAN CLARK  
TAYLOR ALEXANDRIA ERPILLO  
TAYLOR MARIE MAXEY  
CASEY REESE MONROE  
KELSEY KAITLYN MOYNIHAN  
RACHEL LAUREN MUÑOZ<sup>3</sup>  
MICHAEL CHARLES PAULSEN  
SCOTT ROBERT POSSEHL  
TAYLOR RAE SCRIVEN  
JOHN CODY SELLERS  
WILLIAM D. BRENT SHAVER  
BLAKE AUSTIN STEINFORD  
DANIEL C. WADE  
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### RETAIL MANAGEMENT

BREANDREA NICOLE ADEVEREAUX  
ELIZABETH LAYNE BALDOCK  
KATHRYN MARIE BYRNE  
MONTRELL DEMON CARTWRIGHT  
BRIAN JACOB FIELD  
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KAYLA ANN MAYBERY  
COURTNEY DANIELLE MITCHELL  
NATASHA ELAINE VERDONE  
HANNAH ELIZABETH WALTON

#### COMMUNICATION STUDIES

ERICCA NICOLE BRANCH  
ADAM ZACHARY CANTU  
GRACE ISABELLA CONNER  
ALIJAHLU COX

HEATHER NICOLE EATON  
JUSTIN ROYCE HUGHES  
KLINTON MARLER  
ELLIOT MCGOUGH SCHARF  
CONNOR PAIGE SIMS  
IRIS JAZELLE SOTO  
HANNAH MARGARET TICHACEK  
ZACHERY MORSE WALLACE

#### ELECTRONIC MEDIA AND COMMUNICATIONS

AUDREY ROSE D'ANTONIO  
KEITH GREEN  
ALYSSA BETH HAYDEN  
KAMI NICOLE HUNT  
TAYLOR NICOLE LAHEY  
JENNIFER ELIZABETH MCKOWN<sup>3</sup>  
2nd Degree: Theatre Arts  
LINDA BIANCA PARKER  
WESLEY RYAN QUIGLEY  
KEVON CHARLES ROGERS

#### JOURNALISM

REGINE ELISE CLIATT  
LORELEI DAY  
KAITLYN SARA KRAVICK  
TAITUM FRANKIE TREES

#### MEDIA STRATEGIES

JOSHUA MICHAEL BARBEE  
TYLER ASHTON COLLARD  
REBECCA STEPHANIE DOUGLAS  
EMILY MARIE ECKLUND  
ROBERT BENNETT ENDLICH  
JORGE EDUARDO HINOJOSA, JR.  
KATELYNNE ASHLEY NEWMAN  
DANIEL PAGE ROLEN  
MALLORY ANNE SANDERSON  
OLIVIA PAIGE SIKORA

#### PUBLIC RELATIONS

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COURTNEY ELLEN CAUTHEN  
CHRISTY LEE COLE<sup>2</sup>  
LANE CONNOR FORMBY  
DIXIE CARLYN FRECHETTE<sup>3</sup>  
TAYLOR PAIGE GLASS<sup>2</sup>  
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JUAN CARLOS CASTILLO  
CODY AUSTIN CHRISTENSEN  
BREANNA NIKOHL CONNER  
TAMMY DENISE CORN  
TAYLOR JENNINGS COX  
CLAYTON CAMPBELL DANIELS  
ALTAGRACIA TORRES DELVALLE  
NIKOLENA MARIE FERONTI  
KYLE JACOB FIELDS  
HAYDEN ALEXANDER HOLMES  
WESLEY DANIEL KAROTKIN  
MICHAEL PATRICK KENNEDY  
TONI DANETTE KREBBS  
REED WILLIAM KRUEGER<sup>2</sup>  
ERIC CARL LANTZ<sup>2</sup>  
JASON ANTHONY LAPISKA  
RALPH JUSTIN LAYTON  
SHELDON A. LEMCO  
FILIBERTO MARQUEZ  
JEFFREY MICHAEL MEYER  
NICHOLAS DANIEL MEZA  
JESSICA ANN NORWOOD  
CODY BENNETT OLIVER  
JACOB PAUL PACHECO  
CLAYTON WILLIAM ORR  
EVER ANTONIO PRIETO  
THOMAS WILLIAM REHG  
TARRINGTON LEE RIVERS  
JORDAN PAUL SIMON  
KARLEA BLAINE SMITH<sup>2</sup>  
ROBERT MICHAEL STEWART  
KEVIN EUGENE THORNTON  
CHRISTINA MONIQUE VAZQUEZ  
AMANDA SUZANNE WELDY  
RYAN JEFFERY WILLIAMS  
SHAKIRRA PARETT WILLIAMS

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

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SUMMER BREANNE JOHNSON  
JON CODY JOLLEY  
BRIAN E. OCHUKO  
RACHEL MICHELLE PELLETIER  
LENCI ELIZABETH RODRIGUEZ  
JOHN RYAN RUSHING  
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SARAH JANE STUBBS  
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GRAYSON McCALL GRAY  
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VICTORIA CORINNE LAWSON

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ART

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VEATRIZ FERGUSON  
KATELYN YVONNE McPHERSON  
JAMES FRANK POTTS V  
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**BACHELOR OF MUSIC**

MARK AUSTIN BELDING<sup>3</sup>  
CHELSEA ELIZABETH CROCHET  
WILLIAM TREVOR HALL



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

## ACADEMIC DRESS AND PROCESSION



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



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

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

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

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

The doctoral hood has side panels and is slightly longer than the one worn for the master's degree. The color used in the velvet border of the hood indicates the field of study. The velvet border is widest on the doctor's hood, and the colors of the lining indicate the college or university that conferred the degree. For example, those who have received advanced degrees from Texas Tech University wear hoods lined with red and black.

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

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

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

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



## COLORS REPRESENTING FIELDS OF STUDY

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

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

## HONOR CORDS / MEDALLION

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

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



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

## TEXAS TECH COMMENCEMENT ANNOUNCEMENTS

### GRADUATE PHOTOGRAPHS

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

### COMMENCEMENT DVD

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

## COLLEGE BANNERS

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

**The Faculty Banner** displays the university colors, red with black, and features the university seal encircled by the words "Seal of Texas Tech University." The seal was designed by William Ward Watkin, the original campus master planner, in 1924. The shield is a black escutcheon quartered by a red cross, on which are arrayed 10 cotton bolls, symbolic of the importance of cotton to West Texas and representing Lubbock County and the nine surrounding cotton-producing counties.

These symbols also reflect one of the original missions of Texas Technological College: "To provide students with a thorough education in textiles and technical engineering." The shield features emblems that evoke the university, community, state and nation. In the upper-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 and Natural Resources** was one of the four founding schools of the university in 1924. The college banner was rede-

signed for use in the December 2005 graduation. Dr. Marvin Cepica, former dean of the college, developed the design with approval and input from the College Marketing Committee. The background color, maize, was established by the Intercollegiate Code to represent the agricultural disciplines. The design, with a map of the continent of North America, reflects

the global scope of modern agriculture and natural resources management.

The dimensions and proportions of the **College of Architecture** banner are based on the Golden Ratio creating the Golden Rectangle, within which is the logarithmic Golden Spiral. The ancient Greeks recognized these geometries as significant and aesthetically pleasing, and architects from Vitruvius to Corbusier have used these proportions as a means of design. The blue diagonal lines represent the architectural diagram, while the blue-violet fabric,

the designated color for Architecture, is woven in a chevron pattern representing the complexity of digital design and fabrication. The banner was designed by David Isern and Simon Alvarez, graduates of the College.

The blue background color of the **College of Education** banner reflects the light blue color designated for education by the Intercollegiate Code and is also seen in the velvet border of education

master's and doctoral hoods and doctoral gowns. The upper area of the banner carries a school building encircled by the words "College of Education" and "Scholarship, Leadership, Service" to represent the primary roles of the college as

a unit dedicated to preparing teachers and furthering educational scholarship, leadership, and service. The Texas Tech 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 and 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 Graduate School 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 stu-



dent Unwana Essien, is encircled with a border of red, white, and black, symbolizing the spirit of Texas Tech University and the Red Raiders. The two stars represent the ethical duty of engineers to themselves and society. The four symbols in the center

of the seal stand for the foundations of engineering:

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

The **Honors College** banner features a sky blue field onto which is placed a silhouette of one of the Administration Building bell towers in dark blue. Superimposed on the silhouette is the Honors College emblem in gold: an open book that transforms into a bird taking flight. This symbol represents how learning stimulates human creativity. At the bottom of the banner are the words in gold: "University Honors College."

The **College of Human Sciences** banner has a dark brown field with the name of the college at the top. Underneath and centered on the banner are the words "Improving and Enhancing the Human Condition," which enclose a divided



of the global human community, and the diversity of the faces and their ages represent the families and communities served by College of Human Sciences programs. The banner was adapted by former Associate Dean Steven M. Harris from an original symbol created by Dr. Ben Goh, a college faculty member.

The **College of Media and 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 **College of Visual and 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 Department 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.

## ACKNOWLEDGEMENTS

- 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.
- 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.

*This program is an unofficial list of August 2015 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.*



## TEXAS TECH TRADITIONS

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

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



### Raider Red or the Masked Rider?

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



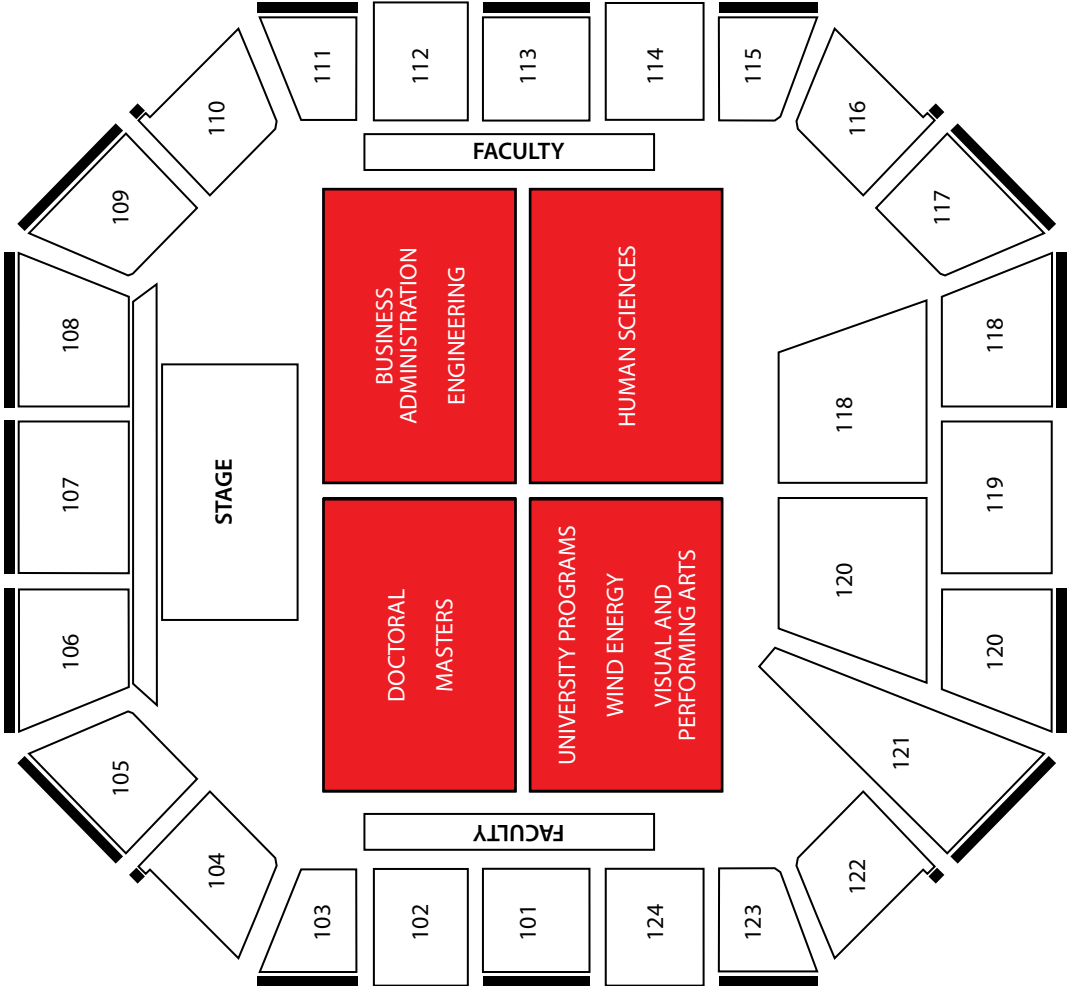
### The Texas Tech Class Ring

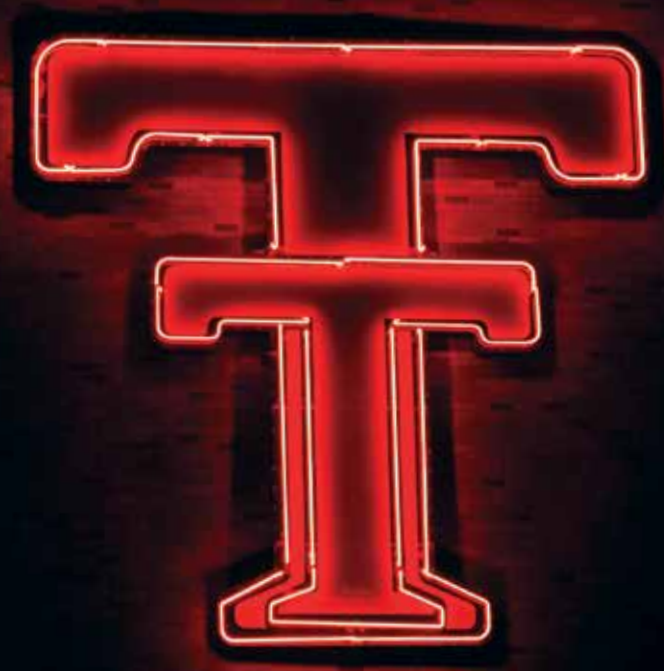
As a constant reminder of their academic achievements and the traditions of Texas Tech University, students proudly wear the official Texas Tech class ring. This bronze sculpture of the official class ring sits next to the Merket Alumni Center. Traditionally the rings are worn with the university name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



SATURDAY, August 8, 2015, 9:00 a.m.

SATURDAY, August 8, 2015, 1:30 p.m.





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 school song, which was penned in 1930. Page from 1936 Student Handbook courtesy of the Southwest Collection.

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

*MATADORS*

MUSIC BY  
HARRY LEMAIRE  
BANDMASTER  
TEXAS TECH COLLEGE

Voice

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