



TEXAS A&M UNIVERSITY  
*Commencement*

*December 13, 2024, 2 p.m.*

*The audience is asked to stand for the procession. As a courtesy to the graduating class, guests are requested to refrain from leaving until after the recessional.*



# TEXAS A&M UNIVERSITY COMMENCEMENT

**Friday, December 13, 2024, 2 p.m.**

Master's and Doctoral Commencement and Doctoral Hooding  
*Graduate and Professional Degrees*

College of Agriculture and Life Sciences  
College of Architecture  
College of Arts and Sciences  
Bush School of Government and Public Service  
Mays Business School  
College of Dentistry  
College of Education and Human Development  
College of Engineering  
School of Law  
College of Medicine  
College of Nursing  
College of Performance, Visualization and Fine Arts  
School of Public Health  
College of Veterinary Medicine and Biomedical Sciences

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# TEXAS A&M UNIVERSITY COMMENCEMENT

## *Program*

Processional

The National Anthem

Invocation

Greetings and Opening Remarks

Remarks to Graduates

Student Expression of Appreciation

Presentation of Degree Candidates and Conferring of Degrees

Roll Call of Graduates

Induction into The Association of Former Students

“The Spirit of Aggieland”

Recessional



*Faculty Marshals*

Mace Bearer

Dr. Michael D. Johnson, Vice Provost for Faculty Affairs (interim)

Stage Party

Dr. Julie F. Harlin, Associate Dean for Graduate and Professional School

Dr. Shannon Walton, Assistant Dean for Graduate and Professional School

Mr. Mark C. Gleason, Graduate Student Specialist for Graduate and Professional School

Ms. Venesa A. Heidick, Assistant Vice President and Registrar

Announcers

Mr. Mike Fitch, Admissions Counselor, Office of Admissions

Judge Rick Hill, Brazos County Justice of the Peace, Precinct 3

*The Texas A&M University System  
Board of Regents*

Mr. Bill Mahomes, Jr., Chairman . . . . . Dallas

Mr. Robert L. Albritton, Vice Chairman . . . . . Fort Worth

Mr. David C. Baggett . . . . . Houston

Mr. John W. Bellinger . . . . . San Antonio

Mr. James R. "Randy" Brooks . . . . . San Angelo

Mr. Jay C. Graham . . . . . Houston

Mr. Michael A. "Mike" Hernandez III . . . . . Fort Worth

Mr. Michael J. Plank . . . . . Houston

Mr. R. Sam Torn . . . . . Houston

Mr. Cage M. Sawyers (Student Regent) . . . . . Texoma

*Chancellor*

Mr. John Sharp . . . . . Placedo

*Texas A&M University Administrative Officers*

President . . . . . General Mark A. Welsh III (Ret.)  
Provost and Executive Vice President. . . . . Dr. Alan R. Sams  
Vice Chancellor and Dean, College of Agriculture and  
Life Sciences . . . . . Dr. Jeffrey W. Savell  
Dean, College of Architecture (interim) . . . . . Dr. Patrick C. Suermann  
Dean, College of Arts and Sciences . . . . . Dr. Mark J. Zoran  
Dean, Mays Business School . . . . . Dr. Nate Y. Sharp  
Dean, College of Dentistry . . . . . Dr. Lily T. Garcia  
Dean, College of Education and  
Human Development . . . . . Dr. Michael A. de Miranda  
Vice Chancellor and Dean,  
College of Engineering . . . . . Dr. Robert H. Bishop  
Dean, Bush School of Government and  
Public Service . . . . . Mr. John B. Sherman  
Dean, School of Law and Vice President for  
Professional Schools and Programs . . . . . Mr. Robert B. Ahdieh  
Dean, College of Medicine . . . . . Dr. Amy L. Waer  
Dean, College of Nursing . . . . . Dr. T. Leann Horsley  
Dean, College of Performance,  
Visualization and Fine Arts . . . . . Mr. Timothy D. McLaughlin  
Dean, Irma Lerma Rangel  
College of Pharmacy (interim) . . . . . Dr. Mansoor A. Khan  
Dean, School of Public Health . . . . . Dr. Shawn G. Gibbs  
Dean, College of Veterinary Medicine and  
Biomedical Sciences . . . . . Dr. John R. August  
Dean, College of Marine Sciences and Maritime  
Studies, Texas A&M University at Galveston . . . . Dr. Deborah J. Thomas  
Associate Provost and Dean, Graduate and  
Professional School . . . . . Dr. Fuhui Tong  
Chief Operating Officer and  
Senior Vice President. . . . . Mr. Peter Lange  
Chief Operating Officer and Senior Vice President,  
Texas A&M Health (interim) . . . . . Dr. Indra K. Reddy  
Chief Operating Officer and Vice President,  
Texas A&M University at Galveston . . . . . Colonel Michael E. Fossum (Ret.)  
Chief Operating Officer and Associate Vice President,  
Higher Education Center at McAllen . . . . . Mr. Manuel M. Vela  
Chief Operating Officer and Assistant Vice President,  
Texas A&M – Washington, D.C. . . . . Lt. General Jay Silveria (Ret.)  
Chief of Staff . . . . . Dr. Susan G. Ballabina  
Chief Financial Officer and Vice President. . . . . Mr. John W. Crawford  
Chief Information Officer and Vice President for  
Information Technology . . . . . Mr. Edwin L. Pierson



Chief Compliance Officer . . . . . Ms. Lisa K. Akin  
Vice President for Planning, Assessment and  
Strategy . . . . . Mr. Joseph P. Pettibon II  
Vice Provost for Faculty Affairs (interim) . . . . . Dr. Michael D. Johnson  
Vice President and Chief Marketing  
and Communications Officer . . . . . Mr. R. Ethan Braden  
Vice President for Human Resources and  
Organizational Effectiveness (interim) . . . . . Mr. Henry D. Judah  
Vice President for Research . . . . . Dr. Jack G. Baldauf  
Vice President for  
Student Affairs . . . . . Brigadier General Joe E. Ramirez, Jr. (Ret.)  
Vice Provost of Academic Affairs . . . . . Dr. Timothy P. Scott  
Athletic Director . . . . . Mr. Trev K. Alberts  
Commandant of the Corps  
of Cadets (interim) . . . . . Lieutenant General Loyd S. Utterback (Ret.)  
University Librarian and Assistant Provost,  
Texas A&M University Libraries . . . . . Ms. Julie A. Mosbo Ballestro

Candidates for Graduate and Professional Degrees

Presented by Dr. Fuhui Tong  
Associate Provost and Dean

Graduate and Professional School

College of Agriculture and Life Sciences

Doctor of Philosophy

- Sophia Francesca Antillon . . . . . Biochemistry and Molecular Biophysics  
 Dissertation: "Characterization of Single Gene Lysis Mechanisms"  
 Chair: Jennifer K. Herman
  
- Ronnie Walter Bourland, Jr. . . . . Biochemistry and Molecular Biophysics  
 Dissertation: "Enzymes Required for Biosynthesis of the HS1 Capsular Polysaccharide of Campylobacter jejuni and Novel Vulnerabilities of Cell Wall Biosynthesis in Mycobacterium tuberculosis"  
 Chair: Margaret Glasner
  
- Brandon Chase Bowers . . . . . Wildlife and Fisheries Sciences  
 Dissertation: "Identifying the Scale of Conservation in Data Deficient Species: A Case Study of Western Chicken Turtles (*Deirochelys reticularia miaria*) in Texas"  
 Chair: Roel R. Lopez  
 Co-Chair: Wade A. Ryberg
  
- Garrett Scott Brogan. . . . . Agricultural Leadership, Education, and Communications  
 Dissertation: "A Phenomenological Study of Ghanaian Youth Perceptions of Agriculture and Agricultural Careers while Participating in a School-Based Agricultural Experience"  
 Chair: Kim W. Dooley
  
- Miriam Morua Catalan . . . . . Ecology and Conservation Biology  
 Dissertation: "Investigating Sap Flow Patterns and Radial Variation in Response to Stressors"  
 Chair: Carol Loopstra  
 Co-Chair: Georgianne Moore
  
- Ramiro Chavez Mota. . . . . Water Management and Hydrological Science  
 Dissertation: "Analysis of Trends in Climatological Variables in Mexico"  
 Chair: Ronald Kaiser  
 Co-Chair: Juan M. Enciso
  
- Xochitl Fabiola De La Rosa Reyna. . . . . Ecology and Conservation Biology  
 Dissertation: "Conservation Genetics of the Kemp's Ridley (*Lepidochelys kempi*), the Most Endangered Sea Turtle"  
 Chair: Luis Hurtado Clavijo

- Alexius O. Dingle . . . . . Genetics and Genomics  
 Dissertation: "Exploring Mechanisms for Developing an Inducible Death in the Yellow Fever Mosquito, *Aedes aegypti*"  
 Chair: Zachary N. Adelman
- Viviana Garza . . . . . Physiology of Reproduction  
 Dissertation: "Impacts of Pre- and Postnatal Nutrition on Adult Reproductive Neuroendocrine Function in Heifers: Basal Gonadotropin Secretion, Estradiol Feedback, and KNDY Neuron Responsiveness"  
 Chair: Rodolfo De Carvalho Cardoso
- Ryan Tyler Gilreath . . . . . Entomology  
 Dissertation: "Quantification of Bt Concentrations within Different Plant and Fruiting Structures of Transgenic Cotton and Their Efficacies Toward the Cotton Bollworm *Helicoverpa zea* (Boddie)"  
 Chair: David L. Kerns
- Kyle Mark Glockzin . . . . . Biochemistry and Molecular Biophysics  
 Dissertation: "Enzyme-Catalyzed Hydrolysis of Organophosphorus Compounds and Characterization of ProTide Prodrug Activation"  
 Chair: Tatyana Igumenova
- Xinlei Guo . . . . . Nutrition  
 Dissertation: "Investigation of the Regulation and Pathological Role for Macrophage Sting in MASLD and Insulin Resistance"  
 Chair: Chaodong Wu
- Nicole Anne Havrilchak . . . . . Ecology and Conservation Biology  
 Dissertation: "Lineage-Related Physiological, Morphological, and Anatomical Drivers of C4 Grass Responses to Low Water Availability"  
 Chair: Jason B. West
- Jonathan R. Hernandez . . . . . Entomology  
 Dissertation: "Evaluating the Efficacy of Pyrethroids against *Aedes aegypti* in Field Cage Tests: How kdr Mutations and Insecticide Resistance Disrupt Vector Control"  
 Chair: Patricia Pietrantonio
- Benjamin Hoose . . . . . Wildlife and Fisheries Sciences  
 Dissertation: "Reversing the Decline of the Forgotten Quail: The Spatiotemporal Dynamics and Habitat Associations of Scaled Quail in Texas"  
 Chair: Roel R. Lopez  
 Co-Chair: Brian L. Pierce
- Casey Anne Hughes Lago . . . . . Genetics and Genomics  
 Dissertation: "Comparative and Functional Analysis of Secretion Systems in *Campylobacter rectus*"  
 Chair: David W. Threadgill
- Amaka Maryrose Ifeduba . . . . . Horticulture  
 Dissertation: "Global Warming-Ready Potatoes: Understanding Heat Tolerance in Potato Clones from the Texas A&M Breeding Program"  
 Chair: Maria Isabel Vales

- Shubham Jain . . . . . Water Management and Hydrological Science  
 Dissertation: "Towards Enhancing the Performance and Interpretability of Machine Learning Approaches for Large Sample Hydrology"  
 Chair: Raghavan Srinivasan
- Alaya Sierra Keane . . . . . Ecology and Conservation Biology  
 Dissertation: "Understanding the Conservation Value of Brazilian Cacao Agroforestry Systems Using a Threatened Primate, *Callithrix kuhlii*"  
 Chair: Thomas Lacher
- Haley Danielle Kennedy . . . . . Entomology  
 Dissertation: "Ascertaining the Risks Associated with Vip3Aa Resistance in *Helicoverpa zea*"  
 Chair: David L. Kerns  
 Co-Chair: Gregory Sword
- Julie Michelle Kircher . . . . . Recreation, Park and Tourism Sciences  
 Dissertation: "Coping and Healing: An Intersectional Analysis of Serious Leisure, Resistance, and Self-Care within Millennial Quilting"  
 Chair: Courtney Suess-Raeisinafchi
- Lingyi Li . . . . . Agricultural Economics  
 Dissertation: "Three Essays on Water Management Strategy, Climate Change Impacts on Agricultural Land Uses, and Grass-Fed Beef Market"  
 Chair: Bruce McCarl  
 Co-Chair: Chengcheng Fei
- Niankui Li . . . . . Molecular and Environmental Plant Sciences  
 Dissertation: "TOUSLED Phosphorylates SGS3 to Tilt RDR6 Activities to Control RNA Silencing"  
 Chair: Xiuren Zhang
- Mengqiao Liu . . . . . Agricultural Economics  
 Dissertation: "Understanding Decision-Making in Job Markets, Financial Planning, and E-Commerce"  
 Chair: Yu Zhang  
 Co-Chair: Ariun Ishdorj
- Cassandra Marie Marbach . . . . . Horticulture  
 Dissertation: "Exploring Texas Wine: Consumer Dynamics, Verjus Economics, and Cluster Thinning Effects"  
 Chair: Charles R. Hall  
 Co-Chair: Ioana Botezatu
- Jodie Marie McVane . . . . . Agronomy  
 Dissertation: "Evaluation of Summer and Winter Cover Crop Mixes for Weed Suppression and Improving Soil Health in the Southern U.S."  
 Chair: Muthukumar V. Bagavathiannan
- Vikas Kumar Mishra . . . . . Agricultural Economics  
 Dissertation: "Three Essays on Food and Agricultural Policy Evaluation Using Quantitative and Qualitative Methods"  
 Chair: Ariun Ishdorj  
 Co-Chair: Pourya Valizadeh

- Henry Rogne Nelson . . . . . Agricultural Economics  
 Dissertation: "Three Essays Modeling Farm Level Policy Effects"  
 Chair: Henry L. Bryant
- Ji Yeon Noh . . . . . Nutrition  
 Dissertation: "Macrophage GHSR Increases Colitis Susceptibility and Severity in Aging"  
 Chair: Yuxiang Sun
- Brittany Leigh Paris . . . . . Animal Science  
 Dissertation: "Bisphosphonate Pharmacokinetics and Comprehensive Effects on Juvenile Bone Growth and Healing"  
 Chair: Jessica L. Lucia  
 Co-Chair: Thomas Welsh
- Samuel Lockhart Priestley . . . . . Agricultural Economics  
 Dissertation: "Experimental Economics & Applied Econometrics Studying Inequality & Food Economics"  
 Chair: Marco Palma
- Vanessa E. Thomas . . . . . Plant Pathology  
 Dissertation: "Distinguishing the Hyphosphere-Pathobiome of Fusarium Wilt of Watermelon, Bananas, and Cotton"  
 Chair: Sanjay Antony-Babu
- Morgan N. Thompson . . . . . Entomology  
 Dissertation: "Local and Systemic Plant Defense against Aboveground and Belowground Specialist Insect Herbivores"  
 Chair: Anjel M. Helms
- Jordan Frances Twombly Ellis . . . . . Entomology  
 Dissertation: "Determining the Mechanism and Impact of Honey Bee (*Apis mellifera*) Premature Hive Exiting Behavior"  
 Chair: Juliana Rangel Posada
- Xian Wang . . . . . Nutrition  
 Dissertation: "The Regulatory Role of Pcsk6 in the Pathogenesis of Adipose Tissue Fibrosis under Obesogenic Conditions"  
 Chair: Linglin Xie  
 Co-Chair: Ke Zhang
- Yuanhang Wang . . . . . Agricultural Economics  
 Dissertation: "Three Essays on the Economics of Small Farm Economies"  
 Chair: Kashi R. Kafle
- Xingxing Yan . . . . . Molecular and Environmental Plant Sciences  
 Dissertation: "Microna Production Landscape in Arabidopsis"  
 Chair: Xiuren Zhang
- Omar Youssef Kamal Youssef . . . . . Recreation, Park and Tourism Sciences  
 Dissertation: "The Influence of Anthropomorphized Moral-Appeal Media on the Pro-Environmentalism of Coral Reef Vacationers"  
 Chair: Courtney Suess-Raeisinafchi
- Zihao Yu . . . . . Biochemistry and Molecular Biophysics  
 Dissertation: "Divergence and Convergence: Spatiotemporal Development During Bacteriophage Infection Cycles"  
 Chair: Ryland Young

*College of Architecture*

*Doctor of Philosophy*

- Jounghwan Ahn ..... Architecture  
 Dissertation: "Thermal Environmental Conditions and Energy Savings from a Ducted Multi-Split Air-Source Heat Pump System for Residential Application"  
 Chair: Jeff Haberl
- Mitra Azimi ..... Architecture  
 Dissertation: "Analysis of Climate Change Impacts on the Performance of Net-Zero Energy Buildings"  
 Chair: Juan-Carlos Baltazar
- Manasa Vigneshwar Hegde ..... Architecture  
 Dissertation: "Environmental Disparities and Residents' Physical Activity: A Study of Multi-family Subsidized Housing"  
 Chair: Xuemei Zhu  
 Co-Chair: Chanam Lee
- ◊ Osazuwa John Okundaye, Jr. .... Architecture  
 Dissertation: "Mental Context Reinstatement in Digitally Represented Work through Computationally Augmented Physical Artifacts"  
 Chair: Stephen Caffey
- Neda Sadeghi ..... Construction Science  
 Dissertation: "Quantifying the Impact of Time-Space Conflict on Construction Project Schedules: A Task-Centric Approach"  
 Chair: Ho-Yeong Kang  
 Co-Chair: Wei Yan
- Yangtian Yin ..... Construction Science  
 Dissertation: "Integrated Simulation Modeling of Flooding Impacts on Roadways: Enhancing Decision Support and Public Communication through Digital Twin Technology"  
 Chair: Kunhee Choi
- Xi Zhao. .... Architecture  
 Dissertation: "Development of Simplified Building Energy Simulation Models for Atrium Buildings to Be Used for Urban-Scale Building Energy Models (UBEM)"  
 Chair: Jeff Haberl

*College of Arts and Sciences*

*Doctor of Philosophy*

- Rakibul Ahasan ..... Geography  
 Dissertation: "Forecasts of Road-Network Development and Urban Expansion by the Mid-21st Century and Impacts on Biodiversity"  
 Chair: Burak Guneralp
- Abdullah Fahad A Alturki ..... Physics  
 Dissertation: "Some Novel Optical Effects in Exotic Media"  
 Chair: Muhammad Zubairy

◊ *Double Degree*

- ◇ Kristian Joel Cantens . . . . . Philosophy  
 Dissertation: "Imagining Animals Differently: Developing a Murdochian Account of Moral Disagreement and Moral Change for Animal Ethics"  
 Chair: Clare A. Palmer
- Hao-Yuan Chang . . . . . Physics  
 Dissertation: "Higher Derivative Corrections to Heterotic Supergravities"  
 Chair: Ergin Sezgin
- Xingzhuo Chen . . . . . Astronomy  
 Dissertation: "Deep Learning on Type Ia Supernovae"  
 Chair: Lifan Wang
- Xinyuan Chen . . . . . Chemistry  
 Dissertation: "Self-Assembly of Porphyrin and Diketopyrrolopyrrole Nano- and Micro-Structures on Oxide and Metal Surfaces"  
 Chair: James Batteas
- Brenna Kieran Collins . . . . . Chemistry  
 Dissertation: "Platinum-Bound Polyynes: The Synthesis of Molecular Polygons en Route to Cyclo[n]carbons"  
 Chair: John Gladysz
- Jessie Lene Cortez . . . . . English  
 Dissertation: "Constructing Vulnerability: Reading Openness to Disease"  
 Chair: Sara DiCaglio
- Stephen David DeCasien . . . . . Anthropology  
 Dissertation: "The Naval Ram: History, Production, and Symbolism in Ancient Greece and Rome"  
 Chair: Deborah N. Carlson
- Sourajit Dey Baksi . . . . . Chemistry  
 Dissertation: "Syntheses of Platinum and Silicon Adducts of Conjugated Polyynes: En Route to the Extended *sp* Carbon Chain of Carbyne, with Stops at Various Intermediates"  
 Chair: John Gladysz
- Katarzyna Magdalena Doktor . . . . . Chemistry  
 Dissertation: "Harnessing SuFEx Click Chemistry toward the Synthesis of Drug-Like Molecules and Sustainable Plastics via a 'Click and Modify' Approach"  
 Chair: Quentin Michaudel
- Billy Utah Hales, Jr. . . . . Geography  
 Dissertation: "Influence of Bend Forms on the Evolution of Lowland Meandering Rivers and Floodplains"  
 Chair: Inci Gunalalp
- John C. Hoefler . . . . . Chemistry  
 Dissertation: "Dynamics and Selective Air Oxidation of Phosphines Adsorbed on Silica and Activated Carbon and Immobilized Phosphine Oxides as Carriers for Peroxides"  
 Chair: Janet Bluemel

◇ *Double Degree*

- Whitney C. Howie . . . . . Clinical Psychology  
 Dissertation: "If These Shears Could Talk: Assessing the Feasibility and Acceptability of a Training for Black Haircare Professionals"  
 Chair: Idia B. Thurston  
 Co-Chair: Noni Gaylord-Harden
- Whitney Christine Howlett . . . . . Biology  
 Dissertation: "Pax2a, Pax5, Cdh1, and B-Catenin, but Not Wnt, Protect Sensory Hair Cells from the Destabilizing Effects of Fgf Signaling on Cell"  
 Chair: Bruce Riley
- Tongtong Hu . . . . . Economics  
 Dissertation: "Essays in Financial Regulations and Shadow Banking"  
 Chair: Li Gan
- Elizabeth Diane Jenkins . . . . . Industrial/Organizational Psychology  
 Dissertation: "Constant Catcalls: An Experience Sampling Study of the Relationship between Street Harassment and Women's Well-Being"  
 Chair: Mindy Bergman
- Kevin Ditaniel Lorence Johnson . . . . . Anthropology  
 Dissertation: "Afro-Intrasectionality: A Study of Cultural Expressions and Ethnic Identities among Afro-Indigenous and Afro-Transnational Populations in the United States"  
 Chair: Cynthia Werner  
 Co-Chair: Sergio Lemus
- Byeibitgul Khaumyen . . . . . Anthropology  
 Dissertation: "Identity, Agency, and Belonging: Young Qazaq Muslim Women in Mongolia"  
 Chair: Cynthia Werner
- Kyungwon Kwak . . . . . Geology  
 Dissertation: "Sinks and Sources of Arsenic in Riverbanks of Tidally and Seasonally Fluctuating Rivers"  
 Chair: Peter S. Knappett
- Annika S. Lee . . . . . Chemistry  
 Dissertation: "Electronic Populations in Plasmonic Gold: A Steady-State Analysis"  
 Chair: Matthew T. Sheldon
- Laura Elizabeth Leonard . . . . . Oceanography  
 Dissertation: "Characterization of Dissolved Organic Matter in Coastal Margins across High and Low Latitudes with Metabolomics Tools"  
 Chair: Karl Kaiser
- Derek Walter Leong . . . . . Chemistry  
 Dissertation: "Ligand Design for Polymetallic Complexes and Highly Reactive Carbocations to Access Reactive Main-Group Species"  
 Chair: Oleg Ozerov
- Wei-Chun Liu . . . . . Chemistry  
 Dissertation: "Harnessing Carbenium Ions in Donor-Acceptor Interaction and Applications in Catalysis"  
 Chair: Francois Gabbai

- Kylie Marlene Lytle ..... Chemistry  
 Dissertation: "Thermally Activated Single-Photon Up-Conversion in Cesium Lead Bromide Perovskite Nanocrystals"  
 Chair: Matthew T. Sheldon
- Kai Lyu ..... Atmospheric Sciences  
 Dissertation: "Improving the Understanding and Representation of Cirrus Clouds in a Global Climate Model"  
 Chair: Xiaohong Liu
- Debayan Mandal ..... Geography  
 Dissertation: "Toward Smart and Resilient Communities: Advancing Multiscale Disaster Resilience in the Age of CyberGIS and Digital Twins"  
 Chair: Lei Zou
- Raymond Roy Mitchell ..... History  
 Dissertation: "Sorrowful Reality: The Survival of Prisoners of the American Civil War"  
 Chair: Walter Kamphoefner
- Hieu Xuan Nguyen ..... Chemistry  
 Dissertation: "Microbial Natural Products: A Promising Source for Nutritional Enhancement and Drug Discovery"  
 Chair: Coran Watanabe
- Randinu Pulukkody ..... Chemistry  
 Dissertation: "Novel Fluorinated Ionic Liquid-Based Materials and Their Application in Hydrofluorocarbon Gas Uptake"  
 Chair: Emily Pentzer
- John Scott Rogers, Jr. .... Physics  
 Dissertation: "A Non-Insulated, Non-Transposed REBCO Tape-Stack Cable and Winding Strategy for High-Field Magnets"  
 Chair: Peter McIntyre
- Michael James Roosa ..... Physics  
 Dissertation: "Proton Removal Spectroscopy in TexAT"  
 Chair: Grigory V. Rogachev  
 Co-Chair: Gregory A. Christian
- Pritam Roychowdhury ..... Chemistry  
 Dissertation: "Traceless Amination via Bifunctional *N*-Aminopyridinium Intermediates"  
 Chair: David C. Powers
- Allison M. Savoie ..... Oceanography  
 Dissertation: "Carbonate Chemistry across Ocean Environments: Coastal Waters, Coral Reefs, and the Deep-Sea"  
 Chair: Kathryn E. Shamberger
- Patricia Helen Schwindinger ..... Anthropology  
 Dissertation: "The Design and Performance of Wooden Sailing Ships"  
 Chair: Kevin Crisman
- Anindya Sengupta ..... Physics  
 Dissertation: "Linearized 11-D Supergravity in 4D,  $N = 1$  Superspace"  
 Chair: Katrin Becker  
 Co-Chair: Christopher Pope

- Renat Sergazinov ..... Statistics  
 Dissertation: "Topics in Multi-modal Data Integration"  
 Chair: Raymond Carroll  
 Co-Chair: Irina Gaynanova
- Maxwell Q. Sorensen ..... Chemistry  
 Dissertation: "Study of 58Fe's Photon Strength Function via (d,p) Reaction in Inverse Kinematics Using a Forward Method"  
 Chair: Sherry Yennello
- Janelle Marie Steffen ..... Oceanography  
 Dissertation: "Seawater Iron Isotopes: Sources and Speciation of Dissolved Iron in the Marine Environment"  
 Chair: Jessica N. Fitzsimmons
- Zeyang Sun ..... Geology  
 Dissertation: "Carbonate Clumped Isotope Reordering from an Atomic Approach: Heating Experiment, Kinetic Modeling, and Application"  
 Chair: Ethan Grossman
- Seth Adrian Van Andel ..... Chemistry  
 Dissertation: "Regulation of Sulfur Trafficking and Fe-S Cluster Formation by the Human Cysteine Desulfurase NFS1 through Phosphorylative Control of Structure"  
 Chair: David Barondeau
- Chih-Wei Wang ..... Chemistry  
 Dissertation: "Modulation and Enhancement of Hot Electron Photo-current in Mn(II)-Doped Semiconductor Nanocrystals"  
 Chair: Dong Son
- Jiaxuan Wang ..... Physics  
 Dissertation: "Quantum Fisher Information and Quantum-Enhanced Parameter Estimation"  
 Chair: Girish Agarwal  
 Co-Chair: Olga Kocharovskaya
- Branford Oliver Wilkins ..... Chemistry  
 Dissertation: "Synthesis and Structural Characterization of Lanthanide Complexes Featuring Heterocyclic Ligands and Investigation of Their Magnetic Properties"  
 Chair: Michael Nippe
- Samuel Robert Zarcone ..... Chemistry  
 Dissertation: "Bis(trialkyl)pnictogen Adducts of Iron Carbonyls: Exploration in Gearboxes and Gyroscopes"  
 Chair: John Gladysz
- Yuheng Zhang ..... Atmospheric Sciences  
 Dissertation: "The Convergence and Consistency of Light Scattering Methods and Applications in Dust Optics and Oceanic Particle Modelling"  
 Chair: Ping Yang

*Mays Business School*

*Doctor of Philosophy*

Erik Hoempler ..... Management  
Dissertation: "The Company You Keep: The Impacts of Scandals on  
Industry Peer Interlock Networks"  
Chair: Srikanth Paruchuri

*College of Education and Human Development*

*Doctor of Education*

Jennifer L. Alexander ..... Curriculum and Instruction  
Record of Study: "Using Peer Observation and Feedback to Support Novice  
Educators' Teaching Efficacy"  
Chair: Sharon D. Matthews  
Co-Chair: Robin A. Rackley

Tomas Eugenio Guerra, Jr. .... Curriculum and Instruction  
Record of Study: "Enhancing Engagement: A Sequential Mixed Methods  
Approach to Understanding 9th-Grade Students' Experi-  
ences in Blended Learning Science Environments"  
Chair: Robin A. Rackley  
Co-Chair: Susan Fields

Jennifer Orpitelli Gurnea ..... Curriculum and Instruction  
Record of Study: "Disrupting Traditional Texts: A Content Analysis of  
Social Studies Graphic Novels"  
Chair: Radhika Viruru  
Co-Chair: Sharon D. Matthews

Latanza Lashae Haggerty-Allen ..... Curriculum and Instruction  
Record of Study: "When They See Us: Narrowing the Science Achievement  
Gap Through Culturally Responsive Teaching"  
Chair: John Williams  
Co-Chair: Julie A. Singleton

Keri E. Reynolds ..... Curriculum and Instruction  
Record of Study: "Art Curricula in the 21st Century"  
Chair: Michelle M. Kwok  
Co-Chair: Karen E. Rambo

Jennifer D. Sidlauskas ..... Curriculum and Instruction  
Record of Study: "Breaking Down Barriers: Helping Students Pass the  
English End of Course Exam"  
Chair: Debra McKeown  
Co-Chair: Ramona T. Pittman

*Doctor of Philosophy*

Baykal Marques Altiner ..... Kinesiology  
Dissertation: "Unveiling the Role of Personal Networks on College  
Athletes' Help-Seeking Intention and Behavior"  
Chair: Marlene A. Dixon  
Co-Chair: Kristofer C. Nite

- Syahrul Amin . . . . . Curriculum and Instruction  
 Dissertation: "Science Teacher Educators' Patterns of Pedagogical Messages and Practices Across the Expert-Novice Continuum"  
 Chair: Joanne Olson
- Andrew Phillip Carruth . . . . . Educational Human Resource Development  
 Dissertation: "Experiences of the Impostor Phenomenon among Student Affairs Professionals: A Phenomenological Study"  
 Chair: Jia Wang
- Sofie M. De Wandel . . . . . Kinesiology  
 Dissertation: "Functional and Metabolic Phenotyping of Older Mildly Cognitive Impaired Adults and the Response to Exercise Rehabilitation"  
 Chair: Marielle P. Engelen
- Meaghan Nicole Devlin . . . . . Educational Psychology  
 Dissertation: "Supporting New Teachers of Students with Disabilities: Systematic Review of and Contribution to Experimental Research"  
 Chair: Julie Thompson
- Jessica Michelle Furrer . . . . . School Psychology  
 Dissertation: "Latine Adolescent Students with Limited or Interrupted Education: Social-Emotional and Academic Strengths and Emergent Areas in Need of Support"  
 Chair: Sara M. Castro Olivo
- Alyson Gleason . . . . . Kinesiology  
 Dissertation: "Coach-Captain Leadership Dynamics in Elite Women's Sports: A Qualitative Analysis of NWSL and NCAA Division 1 Soccer"  
 Chair: Marlene A. Dixon
- Frances Noeline Gunasekara . . . . . Educational Human Resource Development  
 Dissertation: "Career Development Experiences of Mid-Level Female Managers in the Sri Lankan Banking Sector: A Basic Interpretive Qualitative Study"  
 Chair: Khalil M. Dirani
- Rosa Alicia Henao . . . . . Educational Psychology  
 Dissertation: "Examining the Effects of Science Notebook Writing on the Academic Language Development and Conceptual Understanding of Emergent Bilingual Learners"  
 Chair: Rafael Lara-Alecio  
 Co-Chair: Hector H. Rivera
- Puskar Raj Joshi . . . . . Curriculum and Instruction  
 Dissertation: "Navigating the Prospects for Multilingual Education in Nepal"  
 Chair: Cheryl J. Craig  
 Co-Chair: Zohreh Eslami
- Joung Bo Ko . . . . . Kinesiology  
 Dissertation: "Effects of Human Milk Oligosaccharide 2'-Fucosyllactose Ingestion on Weight Loss & Markers of Health"  
 Chair: Richard Kreider

- Megan Alexis Leonard ..... Kinesiology  
 Dissertation: "Assessment of Nootropic Properties of Emerging Nutrients Proposed to Improve Cognitive Performance in E-Gaming"  
 Chair: Richard Kreider
- Lindsey Jo Loflin ..... Educational Psychology  
 Dissertation: "An Investigation of Educator Implemented Interventions to Reduce Severe Problem Behaviors in a School Setting and Their Effects on Student Outcomes: A Meta-Analysis and Single-Case Experimental Design"  
 Chair: Julie Thompson
- Raven Agata McNew ..... Kinesiology  
 Dissertation: "Metabolic and Functional Implications of Obesity and the Response to Weight Loss by a Very Low-Calorie Diet"  
 Chair: Marielle P. Engelen  
 Co-Chair: Nicolaas Deutz
- Thi Thu Huyen Nguyen ..... Educational Human Resource Development  
 Dissertation: "Work-Life Balance of Vietnamese Female Faculty in Higher Education Institutions: A Phenomenological Study"  
 Chair: Jia Wang
- Casey Allen Ricketts ..... Educational Administration  
 Dissertation: "Trade-offs and Motivations: A Case Study of Elected Undergraduate Student Leadership"  
 Chair: Vicente Lechuga
- Seongmi Song ..... Kinesiology  
 Dissertation: "Neurophysiological Adaptations to Body Weight Unloading during Gait and Balance"  
 Chair: Andrew Nordin
- Angelia Katrina Swinton ..... Curriculum and Instruction  
 Dissertation: "Black Women Educators: Perceptions of Teacher Preparation and Identity Construction at Historically Black Colleges and Universities"  
 Chair: Radhika Viruru  
 Co-Chair: Gwendolyn Webb-Johnson
- Maiya Ayhana Turner ..... Curriculum and Instruction  
 Dissertation: "The Blueprint, Never the Exception: Examining Black Women Educators in Texas Urban Schools"  
 Chair: John Williams
- Chih-Wei Wang ..... Educational Human Resource Development  
 Dissertation: "Program Support and Instructor Professional Development within Adult ESL Programs in Texas: A Qualitative Study"  
 Chair: Jia Wang

*College of Engineering*

*Doctor of Engineering*

Michael William Bass ..... Engineering  
 Dissertation: "The Lessons of a Bootstrapped Startup, a Journey to Know the Art of Entrepreneuring"  
 Chair: Jean-Francois Chamberland-Tremblay

*Doctor of Philosophy*

Adeyemi Adegoke Adeleke ..... Biological and Agricultural Engineering  
 Dissertation: "Automated Solutions for Cotton Ginning: Towards Improved Lint Quality and Energy Efficiency"  
 Chair: Robert G. Hardin

Ankur Kumar ..... Electrical Engineering  
 Dissertation: "PAM4 Micro-Ring Resonator-Based Optical Links for High-Speed Communication"  
 Chair: Samuel M. Palermo

Timothy William Assel ..... Aerospace Engineering  
 Dissertation: "Advanced Analysis and Characterization of Energy-Containing and Dissipative Scales in Practical Turbulent Flows"  
 Chair: Sharath Girimaji

Abdullah Mohammed Osama Jad Azzam ..... Civil Engineering  
 Dissertation: "Development of Test Methods to Characterize Desiccation Behavior of Inorganic Microfiber-Reinforced Engineered Barrier Materials for Nuclear Waste Geological Repositories"  
 Chair: Yong-Rak Kim

Daniel Badawi ..... Petroleum Engineering  
 Dissertation: "Applications of Data-Driven and Physics-Informed Machine Learning in Reservoir Engineering"  
 Chair: Eduardo Gildin

Ye Bai ..... Mechanical Engineering  
 Dissertation: "Human-Robot Collaboration Framework: Modeling, Dynamic, and Adaptive Control Strategy for Precise Assembly"  
 Chair: Sheng-Jen Hsieh

Nour Mansour Abdelhafez Mohamed Basha ..... Chemical Engineering  
 Dissertation: "Advanced Data-Driven Process Monitoring Framework and Its Application to Chemical Processes"  
 Chair: Mohamed N. Nounou  
 Co-Chair: Costas Kravaris

Dounia Boushab ..... Mechanical Engineering  
 Dissertation: "Understanding Damage Mechanisms in Carbon-Epoxy PRSEUS Composites under Extreme Environments"  
 Chair: Thomas Lacy

Sapana Chaudhary ..... Electrical Engineering  
 Dissertation: "On Safety in Sequential Decision Learning"  
 Chair: Dileep Manisseri Kalathil

- Madhura Sanjay Chavan . . . . . Civil Engineering  
 Dissertation: "Evaluation of Nonprestressed and Post-Tensioned Slab-Column Connections Using Experimental Databases and Nonlinear Finite Element Analysis"  
 Chair: Mary Beth Hueste
- Jiayue Chen . . . . . Petroleum Engineering  
 Dissertation: "Analysis of Acoustic Signals Generated by Proppant Slurry Flow through Perforations"  
 Chair: Ding Zhu  
 Co-Chair: Alfred Hill
- Jungang Chen . . . . . Petroleum Engineering  
 Dissertation: "Reservoir Simulation in the Era of Big Data: Multi-Physics Numerical Modeling, Physics-Informed Machine Learning, and Data-Driven Surrogate Modeling and Optimization"  
 Chair: John E. Killough  
 Co-Chair: Eduardo Gildin
- Kai Cheng . . . . . Civil Engineering  
 Dissertation: "Evaluating the Microheterogeneous Distribution of Reactive Intermediates Produced from Photolysis of Dissolved Organic Matter"  
 Chair: Garrett J. McKay
- Heebum Chun . . . . . Mechanical Engineering  
 Dissertation: "Wafer-Level Inspection and Metrology for Heterogeneous Integration Applications"  
 Chair: ChaBum Lee
- Marcello Di Martino . . . . . Chemical Engineering  
 Dissertation: "Advances in Food-Energy-Water Nexus Systems Modeling and Optimization"  
 Chair: Efstratios Pistikopoulos  
 Co-Chair: Patrick Linke
- Jamison Richard Ebert . . . . . Electrical Engineering  
 Dissertation: "Coded Sparse Signal Processing for Next-Generation Communications"  
 Chair: Krishna Narayanan  
 Co-Chair: Jean-Francois Chamberland-Tremblay
- Siqi Fan . . . . . Computer Engineering  
 Dissertation: "Optimization of Computation and Communication in Edge Networks"  
 Chair: I-Hong Hou
- Carlisle William Fauver . . . . . Mechanical Engineering  
 Dissertation: "Effects of Property Gradients on Spall Damage: A Multi-scale Investigation"  
 Chair: Justin W. Wilkerson
- Stephen Caleb Foster . . . . . Mechanical Engineering  
 Dissertation: "Strategies for Incorporating Micro-Computed Tomography into Homogenized Ductile Damage Models"  
 Chair: Justin W. Wilkerson

- Amit Gajurel . . . . . Civil Engineering  
 Dissertation: " A Systematic Integration of Synthetic Aperture Radar for Monitoring Transportation and Geotechnical Assets"  
 Chair: Anand J. Puppala
- Chen Gong . . . . . Electrical Engineering  
 Dissertation: "The Study of Lateral Cavity Surface Emitting Laser (LCSEL) and Related Processing"  
 Chair: Harlan Harris
- Mohamed Naveed Gul Mohamed. . . . . Aerospace Engineering  
 Dissertation: "Selected Problems in the Optimal Control of Nonlinear Dynamical Systems"  
 Chair: Suman Chakravorty
- Zhaokun Han . . . . . Computer Engineering  
 Dissertation: "Assessing Security of Hardware IP Protections for IC Supply Chain"  
 Chair: Jeyavijayan Rajendran
- Shima Hasanpour . . . . . Electrical Engineering  
 Dissertation: "Magnetically Geared Permanent Magnet Synchronous Motors for High-Torque Applications"  
 Chair: Hamid Toliyat
- Michelle Hayek. . . . . Industrial Engineering  
 Dissertation: "Cost-Effectiveness and Utilization of Tele-Services in Modern Healthcare"  
 Chair: Mark A. Lawley  
 Co-Chair: Hye-Chung Kum
- Joshua Scott Herrington . . . . . Aerospace Engineering  
 Dissertation: "On Intrinsic and Apparent Lode Effects in Ductile Fracture"  
 Chair: Amine Benzerga
- Himanshu Prabhat. . . . . Aerospace Engineering  
 Dissertation: "A Convex Framework to Robustness Margin Maximization with Guaranteed Estimation Performance"  
 Chair: Raktim Bhattacharya
- Joshua E. Howell . . . . . Computer Science  
 Dissertation: "Creating Accessible Mathematics for Individuals with Blindness or Severe Low Vision"  
 Chair: Frank Shipman
- Chia-Wei Hsu . . . . . Civil Engineering  
 Dissertation: "Understanding Urban Resilience through Post-Disaster Human Mobility Patterns and Recovery Dynamics"  
 Chair: Ali Mostafavi
- Oscar Dc Huang. . . . . Materials Science and Engineering  
 Dissertation: "Utilization of Metakaolin and Calcined Clays for a More Sustainable Civil Infrastructure"  
 Chair: Miladin Radovic
- Md Zafar Iqbal . . . . . Biological and Agricultural Engineering  
 Dissertation: "Round Cotton Module Monitoring System: A Smart Solution for Efficient Module Management"  
 Chair: Robert G. Hardin

- Vahid Janfaza .....Computer Engineering  
 Dissertation: "Accelerating Deep Learning Operations Using Hardware Support"  
 Chair: Abdullah Muzahid
- Prajesh Arvind Jangale .....Mechanical Engineering  
 Dissertation: "Computational Analysis of Droplet Breakup at Transcritical Conditions"  
 Chair: Dorrin Jarrahbashi
- Mohammadali Kargar .....Mechanical Engineering  
 Dissertation: "Optimal Powertrain Energy Management for Autonomous Hybrid Electric Vehicles"  
 Chair: Xingyong Song
- Hadyn Marie Kistle .....Nuclear Engineering  
 Dissertation: "MC-15 Neutron Multiplicity Counter Characterization for Dosimetry and Spectroscopy Applications"  
 Chair: Shaheen A. Dewji
- Santosh Reddy Kommidi ..... Civil Engineering  
 Dissertation: "Computational Modeling of Damage in Critical Civil Infrastructure: Roadways and Railroads"  
 Chair: Yong-Rak Kim
- Mengdi Li ..... Chemical Engineering  
 Dissertation: "Optimal Energy Storage, Integration, and Electrification of Process Heat for Industrial Decarbonization"  
 Chair: M M Faruque Hasan
- Zihao Li ..... Civil Engineering  
 Dissertation: "Enhancing Cyber-Physical Resilience of Connected and Automated Vehicle Systems"  
 Chair: Yunlong Zhang
- Tong Liu .....Electrical Engineering  
 Dissertation: "Design Techniques for High-Speed Interconnects"  
 Chair: Samuel M. Palermo  
 Co-Chair: Sebastian Hoyos
- Giriraj Kailas Lokhande .....Biomedical Engineering  
 Dissertation: "Exploring the Pro-Angiogenic Role of Silicate Nanoparticles in Wound Regeneration"  
 Chair: Akhilesh K. Gaharwar
- Gavin Donald Lukasik .....Mechanical Engineering  
 Dissertation: "Novel Optical Diagnostics for Flow and Particulates in Hypervelocity Test Environments"  
 Chair: Waruna D. Kulatilaka
- Guoqi Ma .....Mechanical Engineering  
 Dissertation: "Robustness and Safety in Adaptive Cruise Control (ACC) and Cooperative Adaptive Cruise Control (CACC) Systems"  
 Chair: Prabhakar Pagilla
- Wei Ma .....Petroleum Engineering  
 Dissertation: "Numerical Modeling and Data Interpretation of Distributed Strain Sensing Measurements during Production"  
 Chair: Kan Wu

- Luke Alan Madden . . . . .Mechanical Engineering  
 Dissertation: "Implementation of Energy Efficiency Measures in Existing Building Commissioning & Methodology for Supply Air Temperature Resets"  
 Chair: David Claridge
- S M Farabi Mahmud . . . . .Computer Engineering  
 Dissertation: "Leveraging Microarchitectural Support for Secure, Fast and Efficient Computation"  
 Chair: Abdullah Muzahid
- Tanaya Mandal . . . . .Materials Science and Engineering  
 Dissertation: "Self-Healing Behavior of Vitrimeric Composites"  
 Chair: Mohammad Naraghi
- Alan Martinez . . . . .Materials Science and Engineering  
 Dissertation: "Electrochemical Degradation Behavior of Supermartensitic and Additively Manufactured Stainless Steels in CO<sub>2</sub> and H<sub>2</sub>S Saturated Salt Brines for Oil and Gas Applications"  
 Chair: Homero Castaneda-Lopez
- Mohamed Sadok Massaoudi . . . . .Electrical Engineering  
 Dissertation: "Machine Learning for Enhanced Power System Stability Analysis and Assessment under Grid Disturbances"  
 Chair: Haitham Abu-Rub  
 Co-Chair: Miroslav M. Begovic
- Andrew Jerald Miller . . . . .Computer Engineering  
 Dissertation: "Leveraging Natural Language Processing Techniques for More Natural Human-Computer Interactions in Extended Reality Environments"  
 Chair: Stavros Kalafatis
- Mirza Riyaz Akhter . . . . .Mechanical Engineering  
 Dissertation: "Investigation of Nanosecond Pulsed Plasmas for Drilling Applications"  
 Chair: David Staack
- Sandra Juliana Montanez Gil . . . . . Civil Engineering  
 Dissertation: "Capturing Durability in Balanced High Recycled Binder Ratio (RBR) Asphalt Mixtures"  
 Chair: Amy E. Martin
- Vanessa N. Nasr . . . . . Industrial Engineering  
 Dissertation: "Assessing Usability of Indoor Navigation Apps for People with Disabilities"  
 Chair: Maryam Zahabi
- Farrhin Nowshad . . . . . Chemical Engineering  
 Dissertation: "Role of Gut Microbial Metabolism in the Bioactivity of Dietary Flavonoids and Flavonoid-Derived Metabolites"  
 Chair: Arul Jayaraman
- Emmanuel Chisom Nwoye . . . . .Mechanical Engineering  
 Dissertation: "Predictive Mechanochemistry: Quantitative Framework for Understanding and Controlling Mechanochemical Reactions"  
 Chair: Jonathan R. Felts

- Chinemerem Edmond Obi . . . . . Petroleum Engineering  
 Dissertation: "Advanced Wellbore Hydraulics: Gas Kick Modelling and Complex Fluid Flow Experiments Optimizes Drilling Assurance"  
 Chair: Abu Rashid Hasan  
 Co-Chair: Mohammad A. Rahman
- Abdurrahman Ozturk . . . . . Nuclear Engineering  
 Dissertation: "Multiscale and Multiphysics Modeling of Fission Gas Behavior and Its Effects on UO<sub>2</sub> Fuel Performance"  
 Chair: Karim E. Ahmed
- Trevor Drake Parker . . . . . Nuclear Engineering  
 Dissertation: "Nitridation of Stainless Steel for Molten Salt Corrosion Applications in Advanced Nuclear Reactors"  
 Chair: Lin Shao
- Mohammad Rahmani . . . . . Civil Engineering  
 Dissertation: "Multiphysics Modeling of Desiccation Behavior of Engineered Barrier Materials for Geological Repositories of Nuclear Spent Fuel"  
 Chair: Yong-Rak Kim
- Kartik Kumar Rajagopalan . . . . . Materials Science and Engineering  
 Dissertation: "Thermo-Responsive Polymer Salogels for Shape Stabilization of Inorganic Salt Hydrate Phase Change Materials"  
 Chair: Svetlana Sukhishvili
- Akhil Anil Rajput . . . . . Civil Engineering  
 Dissertation: "Urban Flood Resilience: Integrating Human Mobility and Traffic Network Dynamics"  
 Chair: Ali Mostafavi
- Otto Christian Randolph . . . . . Mechanical Engineering  
 Dissertation: "Machining Characteristics of Additively Manufactured A205 Aluminum"  
 Chair: Li-Jung Tai
- Matthew Donovan Runyon . . . . . Computer Science  
 Dissertation: "A Sketch Recognition Powered, Web-Based, Statics Tutoring System"  
 Chair: Tracy Hammond
- Abdulahit Sahin . . . . . Civil Engineering  
 Dissertation: "Laboratory Investigation of Pelletized Clay Barrier Materials Intended for the Isolation of High-Level Nuclear Waste"  
 Chair: Marcelo-Javier Sanchez Castilla
- Angela Michelle Tan San Juan . . . . . Biomedical Engineering  
 Dissertation: "Development of a Sensitive miRNA-Based Assay Using Surface-Enhanced Raman Spectroscopy"  
 Chair: Samuel B. Mabbott
- Prianka Sengupta . . . . . Computer Engineering  
 Dissertation: "Machine Learning-Based Early IC Design Prediction, Analysis and Optimization"  
 Chair: Jiang Hu

- Ashwath Sethu Venkataraman . . . . . Aerospace Engineering  
 Dissertation: "Development, Validation, and Applications of a Numerical Framework for Simulations of the Dynamics of Detonations"  
 Chair: Elaine S. Oran
- Zeynep Sevimli Yurttas . . . . . Biological and Agricultural Engineering  
 Dissertation: "Development and Characterization of *Trans*-Cinnamaldehyde Loaded Zeolitic Imidazole Framework-8 (ZIF-8) and Their Application Against *Escherichia coli* (MG1655) Adhered to Food Contact Surfaces"  
 Chair: Rosana Moreira
- Zihao Shang . . . . . Civil Engineering  
 Dissertation: "An Experimental Study of Soils Subject to Freeze-Thaw Cycles"  
 Chair: Marcelo-Javier Sanchez Castilla
- Ali A.H. Sharida . . . . . Electrical Engineering  
 Dissertation: "Bidirectional Fast EV Chargers: Control, Reliability, Scalability, and Grid Interaction"  
 Chair: Haitham Abu-Rub  
 Co-Chair: Sunil Khatri
- Juan Irving Solis Vidana . . . . . Computer Science  
 Dissertation: "Hybrid Multi-Robot Motion Planning"  
 Chair: Nancy Amato
- Aishwarya Srinivasan . . . . . Petroleum Engineering  
 Dissertation: "Numerical Investigation of Distributed Fiber Strain Measurements for Fracture Geometry Quantification and Rock Deformation Characterization: Modeling and Field Applications"  
 Chair: Kan Wu  
 Co-Chair: George J. Moridis
- Martin Ssembatya . . . . . Mechanical Engineering  
 Dissertation: "Evaluation of Persistence of Savings from Continuous Commissioning, and Chiller Retrofit Measure Processes for Improved Field-Implementation"  
 Chair: David Claridge
- Dorsa Talebi . . . . . Electrical Engineering  
 Dissertation: "Axial Flux Dual Rotor Motors Design and Development for High Power Dense Applications"  
 Chair: Hamid Toliyat
- Fangzhou Tong . . . . . Ocean Engineering  
 Dissertation: "Ship Wake Dynamics in a Shallow Bay System"  
 Chair: Jens Figlus
- Arinzechukwu Uchenna Ufondu . . . . . Chemical Engineering  
 Dissertation: "Understanding the AhR-Bile Acid-Microbiome Axis: An Integrated Multi-Omic and Longitudinal Investigation of Gut Microbiome Dynamics and Metabolic Interactions"  
 Chair: Arul Jayaraman

- Joshua David Vancura . . . . . Mechanical Engineering  
 Dissertation: "Terramechanics of Soft Locomotive Mechanisms on Soft  
 Terrains"  
 Chair: Justin W. Wilkerson
- Louis O. Vaught . . . . . Mechanical Engineering  
 Dissertation: "Phenomenological Characterization and Process  
 Development of Infrared-Driven, Automated, Thin-Film  
 Deposition of High-Performance Self-Healing Vitrimers"  
 Chair: Andreas A. Polycarpou  
 Co-Chair: Matt Pharr
- Ningze Wang . . . . . Computer Engineering  
 Dissertation: "Enabling Efficient and Private Data Access in Distributed  
 Storage Systems"  
 Chair: Alexander Sprintson
- Xincheng Wang . . . . . Civil Engineering  
 Dissertation: "Optimization and Application of Hempcrete for Carbon-  
 Negative 3D Printed Buildings"  
 Chair: Zachary Grasley
- Yicheng Wang . . . . . Computer Science  
 Dissertation: "Towards Trustworthy and Robust Multi-modal Machine  
 Learning"  
 Chair: Xia Hu
- Zhuoer Wang . . . . . Computer Science  
 Dissertation: "Efficient Methods for Trustworthy Generation with  
 Large Language Models"  
 Chair: James Caverlee
- Joel D. White . . . . . Aerospace Engineering  
 Dissertation: "Hypersonic Boundary Layer Transition on Two Rough-  
 Wall Flared Cones with Environmental Disturbances"  
 Chair: Nathan R. Tichenor
- Shuangyu Xie . . . . . Computer Engineering  
 Dissertation: "Towards Coupled Active Perception and Manipulation  
 Planning in Precision Agriculture"  
 Chair: Dezhen Song
- Zhao Xu . . . . . Computer Engineering  
 Dissertation: "Deep Learning for Molecular Geometry and Property  
 Analysis"  
 Chair: Shuiwang Ji
- Mingyue Yang . . . . . Water Management and Hydrological Science  
 Dissertation: "Estimating Historical Streamflow at Ungauged Water-  
 sheds"  
 Chair: Francisco Olivera
- Sencheng Yu . . . . . Mechanical Engineering  
 Dissertation: "Towards Practical Implementation of Approximate  
 Dynamic Programming (ADP) Based Optimal Control"  
 Chair: Xingyong Song

- Qiang Zhang ..... Electrical Engineering  
 Dissertation: "Machine Learning Approaches to Offline Black-Box Optimization"  
 Chair: Tie Liu  
 Co-Chair: Yang Shen
- Samira Ziyadidegan ..... Industrial Engineering  
 Dissertation: "Understanding Heart Responses to Stress in Naturalistic Settings"  
 Chair: Farzan Sasangohar

*School of Law*

*Juris Doctor*

- Haven Alyssa Albiez ..... Law  
 Amanda Michelle Arrington ..... Law  
 Talmage C. Brown ..... Law  
 Cheol Y. Choi ..... Law  
 Terrance John Foster ..... Law  
 Donte Dijon Houston ..... Law  
 Joseph W. Padjune ..... Law

*College of Medicine*

*Doctor of Medicine*

- Abigail Doyinsola Adaramola ..... Medicine  
 Cerci Danielle Hammons ..... Medicine  
 ◇ Caroline Denison Jordan ..... Medicine  
 Waverly Brooke Kundysek ..... Medicine  
 Ezequiel Romero Paz ..... Medicine

*Doctor of Philosophy*

- Amy Amariany Gomez ..... Medical Sciences  
 Dissertation: "Characterization of a Novel Conjugative Element pICE-Sepi-ST2 and Its Role in Hemostasis Modulation in Staphylococcus epidermidis ST2 Bloodstream Infections"  
 Chair: Axel Hook
- Anh Tran Tram Vo ..... Medical Sciences  
 Dissertation: "Nanozyme-Mediated Signaling and Metabolism In Cellular Protection and Recovery"  
 Chair: Thomas A. Kent

◇ *Double Degree*

*College of Nursing*

*Doctor of Nursing Practice*

Jody Yvette Collins . . . . .	Nursing Practice
Leslie Dupont . . . . .	Nursing Practice
Kelsey Lynn Ellison . . . . .	Nursing Practice
Jessica Rae Gallegos . . . . .	Nursing Practice
Christopher Edward Joyal . . . . .	Nursing Practice
Brandy Nicole LaPaglia . . . . .	Nursing Practice
Tham Nguyen . . . . .	Nursing Practice
Peter Ryan Passarelli . . . . .	Nursing Practice
Angelic Pedraza . . . . .	Nursing Practice
Lila Pena . . . . .	Nursing Practice
Miranda Renee Ramirez . . . . .	Nursing Practice
Stephen Larry Reid . . . . .	Nursing Practice

*School of Public Health*

*Doctor of Philosophy*

Janae Alexander-Bady . . . . .	Health Education
Dissertation:	“#Black Health Matters: An Analysis of the Type Two Diabetes-Related Health Behaviors and Environments for Black College Students”
Chair:	Ledric Sherman
Christina Elizabeth Amo . . . . .	Health Education
Dissertation:	“An Assessment of Remote Social Support and Physical Activity”
Chair:	Megan S. Patterson
Laurel Sage Curran . . . . .	Health Education
Dissertation:	“Active, Equitable Aging: Insights for Age-, Queer-, and Disability-Friendly Communities”
Chair:	Tyler M. Prochnow

*Doctor of Public Health*

Adam Bradley . . . . .	Public Health Sciences
Dissertation:	“Community Health Development: A Case Study in Two Central Texas Communities”
Chair:	Dennis Gorman
Co-Chair:	James Burdine

Sarayu Chandra Mouli ..... Public Health Sciences  
 Dissertation: "Exploring Healthy Spaces from Multiple Perspectives: Connecting the Effects of Nature and Built Environment on Human Health"  
 Chair: Jason E. Maddock  
 Co-Chair: Aubrey R. Pentecost

*College of Veterinary Medicine and Biomedical Sciences*

*Doctor of Philosophy*

Agostino Buono ..... Biomedical Sciences  
 Dissertation: "Investigation of Serum Biomarkers of Immune Activation in Canine Chronic Enteropathy: Serum Pro-Inflammatory Cytokines and Soluble Receptors"  
 Chair: Joerg M. Steiner  
 Co-Chair: Jan Suchodolski

Joseph Waylan Cain ..... Biomedical Sciences  
 Dissertation: "Transport Mechanisms Used by the Porcine Conceptus for Interferon Gamma-Mediated Communication, and SPARC Expression in the Mouse Decidua, Placenta, and Fetus"  
 Chair: Gregory Johnson  
 Co-Chair: Heewon Seo

Edem Fiatsonu ..... Biomedical Sciences  
 Dissertation: "Mathematical Modeling of Canine Chagas Disease and Control Strategies"  
 Chair: Martial L. Mbah

Tennille Krystal Lamom ..... Biomedical Sciences  
 Dissertation: "Evaluation and Validation of Stress Assessment Tools for Monitoring Shelter Animal Welfare"  
 Chair: Christine Budke

Rebecca Maria Legere ..... Biomedical Sciences  
 Dissertation: "mRNA-Encoded Anti-VapA Monoclonal IgG1 for Passive Immunization of Foals Against *Rhodococcus equi*"  
 Chair: Noah Cohen

Ingrid Maribel Leon Moreno ..... Biomedical Sciences  
 Dissertation: "Exploring Antimicrobial Resistance in Viable Bacteria within Cattle Feedyard Dust"  
 Chair: Keri N. Norman  
 Co-Chair: Harvey Scott

Robert Kyle Phillips ..... Biomedical Sciences  
 Dissertation: "A Search for Novel Biomarkers of Liver Disease in Dogs"  
 Chair: Jonathan A. Lidbury  
 Co-Chair: Joerg M. Steiner

Carolina Rivera ..... Biomedical Sciences  
 Dissertation: "Translational Research in Canine Kidney Disease: From Primary Cultures to Biomarkers and Therapeutics"  
 Chair: Mary B. Nabity



---

Jordan Raquel Romero Salomon . . . . . Ecology and Evolutionary Biology  
Dissertation: "Identifying Drivers of Trophic Interactions: Vector-  
Borne Zoonotic Diseases as a Study System"  
Chair: Sarah A. Hamer

*Candidates for Master's Degrees*

*College of Agriculture and Life Sciences*

Presented by Dr. Jeffrey W. Savell, Dean

*Department of Agricultural Economics*

*Master of Agribusiness*

*Agribusiness*

Anna Belle Berry  
 Ryan Elliott Hames  
 Dora Olivia Hillyer  
 Coman James Lennon  
 Maggie Marie Long  
 Brendan Noel McCarthy  
 Nikileswari Palukuru

Maeser Taylor Pickett  
 Tristen Faith Rutledge  
 Kenadee Lenn Stewart  
 Matthew Clay Sykes  
 Blair T. Watz  
 Edi William Yapi

*Department of Agricultural Leadership, Education, and Communications*

*Master of Agriculture*

*Agricultural Development*

Savannah Harrington

Bradley Ian Lopez

*Master of Applied Youth Development*

*Applied Youth Development*

Alana Colleen Cherie Gilbert Snow

*Master of Science*

*Agricultural Leadership, Education, and Communications*

Anna Elizabeth Abbe  
 Taylor Linann Herbert

Briana N. Hicks  
 Ty Lawrence Jansky

*Department of Animal Science*

*Master of Agriculture*

*Animal Science*

Caitlin Titan Bentley  
 Zajria Monet Bradshaw

Kyle Jack Despain  
 Allison Nicole Hajny

*Master of Science*

*Animal Science*

Nicholas Charles Broz  
Katherine Audrey Doria  
Alyson Brooke Fontenot

Hayden Danielle Rook  
Pier La'ren Semanchik  
Tanner Wright

*Department of Biological and Agricultural Engineering*

*Master of Science*

*Agricultural Systems Management*

Zhiyi Yong

*Department of Ecology and Conservation Biology*

*Master of Science*

*Ecology and Evolutionary Biology*

Angela M. Haggard

*Department of Food Science and Technology*

*Master of Science*

*Food Science and Technology*

Mariana Gonzalez De Cossio  
Cepeda

Augustus Bedford Harrison

*Department of Horticultural Sciences*

*Master of Science*

*Plant Breeding*

Cheyenne G. Cotie

*Department of Hospitality, Hotel Management and Tourism*

*Master of Science*

*Hospitality, Hotel Management and Tourism*

Abdullah Ali M Hawsawi  
Chase Alan Kubala

Samantha Claire Williams

*Recreation, Park and Tourism Sciences*

Clacey S. Core

Alison Jill Hughson

*Department of Nutrition*

*Master of Science*

*Nutrition*

Angelica Michelle Rigsby

*Department of Plant Pathology and Microbiology*

*Master of Science*

*Plant Pathology*

Cara Deromedi Hockenbury

*Department of Poultry Science*

*Master of Agriculture*

*Poultry Science*

Mary Lee Ann Ennis

Casey B. Jones

*Master of Science*

*Poultry Science*

Mollie Kaitlin Cobb

*Department of Rangeland, Wildlife and Fisheries Management*

*Master of Natural Resources Development*

*Natural Resources Development*

Archie Lee Cooper III  
Kai Morgan Eshbach

Dakota William Kempken

*Master of Science*

*Rangeland, Wildlife and Fisheries Management*

Alyssa C. Freeman  
Hallie Halstead

James E. Peterson  
Conner Aloysius Ties

*Master of Wildlife Science**Wildlife Science*

Natalie Anne Craig

*Department of Soil and Crop Sciences**Master of Science**Agronomy*Jaiveer Singh Brar  
Keegan Tyler Crawford

Pulkit Juneja

*Plant Breeding*

Himabindhu Badavath

Anil Konan

*College of Architecture*

Presented by Dr. Patrick C. Suermann, Interim Dean

*Department of Construction Science**Master of Science**Construction Management*Erin Kyle Brayley  
Lakshmi Priyanka Challa  
Jayesh Dhanraj Chaudhari  
Seoyoung Cheon  
Sarthak Sachin Chintawar  
Sahil Pravinbhai Godhani  
Vivek Vikas Hatkare  
William Jones  
Dhruvinkumar Ratilal  
Kachhadiya  
Divya Chaithanya Reddy Kalikiri  
Justin David MillerBhumika Munuga  
Prajwal Manish Patel  
Suketu Mukeshkumar Patel  
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*Urban and Regional Planning*

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*Department of Economics*

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*Economics*

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*Geoscience*

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*Data Science*

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*Master of Science*

*Oceanography*

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*Department of Statistics*

*Master of Science*

*Data Science*

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*Statistical Data Science*

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*Business*

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*Master of Science*

*Accounting*

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*Financial Management*

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*Master of Science*

*Finance*

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◇ Double Degree

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Chunlin Shi

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*Department of Management**Master of Science**Entrepreneurial Leadership*

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*Human Resource Management*

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*Master of Engineering*

*Computer Engineering*

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*Master of Science*

*Computer Engineering*

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*Computer Science*

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Hasan A. Dhanji	Ravneet Sokhi
Rachel Rae Helguero	Shubham Shyam Tharval
Che Chen Hu	Kumpanat Thongmai
Nathaniel Curtis Jarrett	Leonardo Alberto Vasquez
Haemin Jung	Mingi Yeo
Arjun Krishnamoorthi	Tianle Zhang
Devanand Mahesh	

*Department of Engineering Technology and Industrial Distribution*

*Master of Engineering Technical Management*

*Technical Management*

Caulin Tyler Silber

*Master of Science*

*Engineering Technology*

Yasaman Ahmadi  
Samantha Aya Israel  
Joshua Adam Jalomo  
Brandon Scott Jones  
Derek Glenn Ladd

Vinicius Mazzilli Bobato  
Tony Minh Tang  
Gabriel Alejandro Tijerina  
Mason Ali Yeh

*Department of Industrial and Systems Engineering*

*Master of Engineering*

*Industrial Engineering*

Hisham Alkahoaji Almidani  
Alejandro Garduno Herrera  
Mariano Gonzalez  
Ayush Mittal

Smit Sanjay Patel  
Smit Sanjaykumar Patel  
Jackson Arthur Sneed

*Systems Engineering*

Garett W. Budagher

*Master of Science*

*Engineering Management*

Leticia Adu  
John D. Ayres  
Chandana Hassan Girish  
Raveena Sudhir Jagtap  
Jorge Landois  
Cody James McKee

Nitu Mahadev Munavalli  
Aditya Pethe  
Samruddi Satishkumar  
Krishna Vashista Reddy  
Yarra Bothula

*Industrial Engineering*

Ganesh Karthik Ambattur  
Ramakrishnan Gopikrishnan  
Vasanth Anand  
Sai Vamsi Appari  
Pradnesh Manoj Bamb  
Amod Waman Bhagwat  
Janakivallabhan  
Chandramouleeswaran  
Raksheet Rajan Chawathe  
Varad Sandeep Chivate  
Ramoli Arvind Choudhari  
Arun Chukka  
Sanchi Dharmesh Desai  
Suraj Varma Epuri  
Hemanth Gudibandi

Isha Amod Gujarathi  
Taresh Guleria  
Sumant Sanjay Habbu  
John Michael Hayes  
S M Ashif Hossain  
Manav Iyanna Kuttaiah  
Ajay Jayakumar  
Sreethan Reddy Kaatham  
Ravi Teja Kandala  
Sri Venkata Satya Prakash  
Kodamanchili  
Darshan Maharudrappa  
Vasanth Kumar  
Aditya Sanjay Manjarekar  
Hitansh Sanjay Mehta

Pratik Udaysinh Nagtile  
 Vipul Vilas Patil  
 Venkata Surendra Peddireddi  
 Nishanth Prabhakara  
 Jatin Kiran Saigal  
 Shiva Selvaraju Nandhakumar  
 Sourabh Rakesh Shinde  
 Amit Kumar Singh  
 Bishal Singh

Rudra Sinha  
 Neel Janak Thaker  
 Param Rajeshbhai Thummar  
 Arun Kumar Goud Utkoori  
 Lakshmi Sai Deepthi Vanasarla  
 Sarthak Vats  
 Phravin Xaviour  
 Venkata Siva Prasanth Yendeti  
 Rohith Datta Yerramsetty

*Department of Materials Science and Engineering*

*Master of Science*

*Materials Science and Engineering*

Boliang Jiangli  
 Abdul Mannan  
 Samuel Joshua Molina

Emilio Morales-Cortazar  
 Nishkal Chowdary Unnam

*Department of Mechanical Engineering*

*Master of Engineering*

*Mechanical Engineering*

Ronald Allen Bartsch  
 Miguel Mario Cervantes  
 Mark N. Hermoso  
 Claudia Hoy Tane Lum  
 Nicholas Por Ly

Dylan Ray Roesler  
 Vonnie Elli Soto  
 Tyler Lam Hai Tran  
 Madison G. White  
 Jessica N. Wilson

*Master of Science*

*Mechanical Engineering*

Ammar Hesham Mahmoud  
 Abdalla  
 Anish Anil Agarwal  
 Humayun Akhtar  
 Walaa Taher M Alali  
 Matthew Severin Alford  
 Siva Sankar Ambati  
 Sungjae An  
 Catarina Andrade Gomes  
 De Vasconcelos  
 Prathmesh Rajeshkumar Bhatt  
 Sangam Chapagain  
 Karanveer Shyamdhara Dubey  
 Dafu Gu  
 Adi Putra Hardaya  
 Noah Austin Hill  
 Ayman H. Z. Karaki  
 Serge Tshibangu Kazadi

Shaunak Shailesh Kolhe  
 Manav Ketankumar Kothari  
 Sankaranarayanan  
 Krishnamoorthy  
 Nitesh Kumar  
 Zane M. Magee  
 Roopesh Kishan Mallepaddi  
 Elliot Paul Manuel  
 Jonathan Hoang Nam Maxwell  
 Ariharan Natarajan  
 Nimesh Ranjan Nawal  
 John Francis O'Connor  
 Abhijeet Singh Raina  
 Abubakar Rashid  
 Aravind Ram Sankararaman  
 Rahul Nitin Sarda  
 Zaki Sohail  
 Andrew William Spain

Muhilan Subramanian  
 Jackson Andrew Taylor  
 Christian Stefan Tindula  
 Arunachalam Venkatachalam

Kishorre Annanth Vijayan  
 Ashish Mahesh Wani  
 Nikhil Yogesh

*Department of Multidisciplinary Engineering*

*Master of Engineering*

*Engineering*

Saleh Sadi A Alkhalidi  
 Prashanth Banoth  
 Tejasree Reddy Chimmula  
 Khaled A I Dalbah  
 Abdullah Al Hashib  
 Anam Hashmi  
 Md Russell Imran  
 ◇ Caroline Denison Jordan

Abdur Raffay Kaleem  
 Sayyad Farzam Qamar  
 John Michael Romero  
 Vasudeva Roshan  
 Vallabhajosyula  
 Suresh Venkataramani  
 Han Zhang

*Department of Nuclear Engineering*

*Master of Engineering*

*Nuclear Engineering*

Elias J. Lynch

*Master of Science*

*Nuclear Engineering*

Matthew Fletcher Kinsky  
 Shane Darby Olson

Dalton Pyle

*Department of Ocean Engineering*

*Master of Science*

*Ocean Engineering*

Vicki Chu  
 Blake Allen Thurman

Xinguo Wang  
 Sang-En Wu

*Department of Petroleum Engineering*

*Master of Engineering*

*Petroleum Engineering*

Alexsandra Dinorah Martinez  
 Paul Victor Oberlin

Dylan Sakaria  
 Jonathan Edward Whitmore

*Master of Science**Petroleum Engineering*

Marie Claire Al Ghabban  
Chin Hsiang Chan  
Touka Ibrahim Hafez  
Mohamed Elsayed

Corine Guemdjo Kamtchuen  
Rifan Mahulauw  
Felix Adams Munthe

*School of Law*

Presented by Mr. Robert B. Ahdieh, Dean

*Master of Laws**Intellectual Property*

Senthilkumar Chandiran  
Rhea Joshi

Jennifer Junning Liu  
Kendrick L. Mitchell

*Laws*

Charles Brunner Axmacher  
John Joseph Boscoe III  
Terry Ann N. Campbell  
Emeline Chastang  
James Connolly  
Omar Mauricio Gomez Parra  
Rupali Katkar  
Sai Phani Santosh Lankiseti  
Sindhu Nayakwadi

Anh T. Nguyen  
Alokam Nikitha  
Sara Paglialunga  
Byron Kent Pickering  
Shivangi Saurav  
Dona Harshini Dhamithra  
Suraweera  
Evelyn Lisseth Villalobos Blanco

*Master of Legal Studies**Legal Studies*

Ryan Andrew Aalsma  
Temara Lea Agomuo  
Ashleigh Jordynn Allen  
Jacy Diamond Allen  
Robert Sloan Armstrong  
Felicia Marie Ash  
Melanie Marie Barrios  
Lynette Ann Bass  
Barbara Bellay  
Deena Michelle Berry  
Erin L. Betts  
Vicki Shay Bownds  
Jada E. Boyance  
Kristine M. Boyer  
Zandra Watley Brown  
Christelle Kabamba Buka  
Vonda L. Burton

Megan Ashley Busch  
Kaytlin Rose Call  
Tangela LeeSha Campbell  
David Cody Carnahan  
Chavani Valice Carpenter  
Trametria S. Carraway  
John Paul Casas  
Gladymar Castillo Rivera  
Miah Ann Castillo  
Melissa Catherine Castor  
Ryan Alan Chavez  
Delesia Ann Clark  
Brett Steven Coffman  
Elizabeth Colmenares  
Larissa Nicole Cook  
Cameron Lebron Cruz  
Israel D. Custodio

Tara Jean Wynn DeAndrea  
 Kirsten T. Deeds  
 Tremayne M. Diggs  
 Steven James Douglas  
 Donna S. Driver  
 Tiffany Elizabeth Duquette  
 Leeana Nicole Duran  
 Allison Durst  
 Ashley Lynne Ehardt  
 Christina R. Escobedo  
 Megan Raelynn Ewers  
 Tina Marie Fagan  
 Blake A. Farrell  
 Jesus Flores  
 Traci Friess  
 Cindy Daniel Furr  
 Destiny Rhea Garcia  
 Marisela Lydia Garza  
 Maximiliano A. Gomez  
 Rodney H. Gomez  
 Jessika Karol Gonzalez  
 Kristin Anastasia Goodman  
 Michelle Louise Green  
 Kathryn Suzanne Greene  
 Jennifer Lynn Guillen  
 Taylor Wayne Haile  
 Taylor Blake Heal  
 Kendal Dyann Heath  
 Tiona T. Hodge  
 Khelsie L. Hodges  
 Sharonda M. Holmes  
 Tamara L. Honnen  
 Welden Howard  
 Shannon Elaine Hull  
 Fernando Miguel Jacquez  
 Benjamin David Jamar  
 Kimberly Fan Lynn Johnson  
 Takisha K. Johnson  
 Carin Trenae Jones  
 Penny Prewitt Jones  
 Tyree Leonard Jones  
 Connor Banks Joseph  
 Vishal V. Joshi  
 Abid Amin Khan  
 Wesley Nim Kidd  
 Shreyas Kumar  
 Amy Burt LaDue  
 Jennifer J. Ledezma  
 Marshanna Jeanette Lionel  
 Kendall J. Love, Jr.  
 Peyton Luke  
 April S. McCoy-Henderson  
 Eileen Suzanne Meyer  
 Shannon Meyer  
 Harlie Cheyenne Mobley  
 Dee Chuma Moonga

Ashley A. Moore  
 Yasmine Marmar Moussa  
 Patricia M. Muniz  
 Catharyne Betts Neil  
 Manisha Nigam  
 Candice Marie Nishizawa  
 Teresa L. Odum  
 Jennifer Barnes Olson  
 Jacqueline Erika Olvera  
 Dickson Amos Oyaró  
 Charlotte Sloan Park  
 Jeffrey Scott Pearce  
 Emily Michelle Pell  
 Arielle Nicolle Perez  
 Littzy Thaiz Perez  
 Kasha Lashaie Peterson  
 Suzan Heather Baker Phenicie  
 Jessica Rachelle Poer  
 Vincent L.A. Poole  
 Steven J. Poor  
 Susan Lynn Porter  
 Amber Dawn Potts  
 Gabriela Martinez Prats  
 Bridget Suzette Prescher  
 Linzie Michelle Priegel  
 Nicholas M. Richard  
 Magdalena Rico  
 Briana Rae Rochell  
 Neusa Marlene de Oliveira  
 Rodrigues  
 David Ray Rodriguez  
 Yvette Taylor Rosales  
 Heather Mhairi Rosas  
 Tiffany Gaye Roussel  
 Taylor Michelle Schuff  
 Clinton Wade Seal  
 Sheniqua Yvette Shannon  
 Nathan Shlimak  
 Alina Dael Sholar  
 Brian N. Smasal  
 Marco Antonio Soto  
 James Ryan Chancey Spindler  
 Curtis Wayne Stapleton  
 Chesley Jared Stevenson  
 Abigail Elizabeth Stroh  
 Estefania Swartz  
 Madeline Gabriella Vaught  
 Todd Patrick Vieu  
 Hanna Rae Vinson  
 Maryanne Muir Volkringer  
 Athena Laney Walker  
 Trameka L. Walker  
 Jennifer Christine Walton  
 Rachel Simone Warren  
 Tiffany Washington  
 Jamie Sue Waugh

Jeremy Evan Whatley  
Tiffany Beth White  
Jeri Lynn Wilkerson  
Keely Marie Wilkins

Brandy Ann Valentina Williams  
Tenia Louise Williams-Beasley  
Sallie Curry Woodell  
Joshua R. Worten

### *College of Medicine*

Presented by Dr. Gillian Bartlett, Associate Dean

*Master of Science*

*Medical Sciences*

Javier Parra

### *College of Nursing*

Presented by Dr. T. Leann Horsley, Dean

*Master of Science in Nursing*

*Nursing Education*

Kelsey Bell  
Erin Elizabeth Berlocher  
Briana Jeanette Dorsett  
Ashley Nicole Germaine  
Deonna Nikkai Gilkey

Amy Elizabeth Michael  
Lacy Lu Tidwell  
Mara Schnitzer Young  
Julia Ann Zesch

### *College of Performance, Visualization and Fine Arts*

Presented by Mr. Timothy D. McLaughlin, Dean

*Master of Fine Arts*

*Visualization*

Maleah Christine Miller

Farnoush Torkezadeh

*Master of Science*

*Visualization*

Aayushi Rahul Gandhi

Sean D. Kerrigan

*School of Public Health*

Presented by Dr. Shawn G. Gibbs, Dean

*Department of Environmental and Occupational Health*

*Master of Public Health*

*Environmental Health*

Nnawuihe Chukwuemeka Mbaegbu

*Occupational Safety and Health*

Justin Michael Conrey LaHood      ◇ Estela Rosa Lopez

*Department of Epidemiology and Biostatistics*

*Master of Public Health*

*Epidemiology*

Madison Beardslee

Paula L. Erickson

Adriana Nicole Espinoza

Joshua Aaron Kershner

Erum Waheed

*Department of Health Behavior*

*Master of Public Health*

*Health Promotion and Community Health Sciences*

Valeria Laura Pacheco

*Department of Health Policy and Management*

*Master of Public Health*

*Health Policy and Management*

Uyok Hanson

Sophie Anne Mullens

*College of Veterinary Medicine and Biomedical Sciences*

Presented by Dr. John R. August, Dean

*Department of Veterinary Integrative Biosciences*

*Master of Science*

*Biomedical Sciences*

Jessica Israel	Arya Ranjan
Katlyn Suzanne Lang	Christopher Nicholas Saavedra
Esmeralda Ledezma	Amber Ann Teague
Lauren Nicole McFarland	Karen Vinod

*Veterinary Public Health - Epidemiology*

Hunter Michelle Crane	Yesenia Maria Garza Fuentes
Alexis Christine Dukes	Alaina N. Stewart
Emily Saige Ewing	

*Department of Veterinary Large Animal Clinical Sciences*

*Master of Science*

*Biomedical Sciences*

Madeline Leigh Worth

*Department of Veterinary Pathobiology*

*Master of Science*

*Biomedical Sciences*

Colin P. Etherington	Michael Teve
Madison A. Tatum	

*Department of Veterinary Physiology and Pharmacology*

*Master of Science*

*Biomedical Sciences*

Mekayla Elizabeth Dover	Caitlin Athena Rose Taruc Libed
Arin Keith Ellis	

*Department of Veterinary Small Animal Clinical Sciences*

*Master of Science*

*Biomedical Sciences*

Christine Jih-Ting Yeh

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## *Latin Honors*

Students graduating with Latin honors distinctions have enrolled in and successfully completed a minimum of 60 undergraduate semester hours required for the baccalaureate degree. The category of Latin honors attained is determined by grade point average of all college hours attempted, excluding transfer hours. The categories are as follows:

***Cum Laude:*** A student may be graduated *Cum Laude* with a Grade Point Average of 3.500 to 3.699.

***Magna Cum Laude:*** A student may be graduated *Magna Cum Laude* with a Grade Point Average of 3.700 to 3.899.

***Summa Cum Laude:*** A student may be graduated *Summa Cum Laude* with a Grade Point Average of 3.900 or above.

## *Honors Stoles*

Texas A&M undergraduates who complete the requirements for any of the distinctions listed above or for college- and departmental-level honors programs are awarded a gold satin stole to wear with their commencement robes. The university presents the stoles to honors graduates in recognition of their accomplishments.

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## *Academic Regalia*

Academic institutions throughout the world have created a wide variety of customs including distinctive dress, color and ceremony to indicate the accomplishments of scholars. English traditions originating at Oxford and Cambridge led to the development of American academic regalia. By the twentieth century, institutions of higher learning in the United States had adopted a well-defined code of academic costume, which now includes the identification of the different academic degrees by distinctive gowns, hoods and colors. For instance, the baccalaureate gown is worn closed and is identified by long, pleated front panels and long, pointed sleeves. The master's gown has very long sleeves, closed at the bottom, and the arms of the wearer are placed through an opening in the front of the sleeves. Doctoral gowns are distinguished by velvet panels around the neck and down the front of the gown. Three horizontal black velvet bars also mark the doctorate. In America, the hood is the most colorful feature of academic regalia. The bachelor's hood, when worn, is comparatively short; the master's, a bit longer; and the doctor's, at four feet, reaches far down the wearer's back. The outside of the hood is black and is bordered with a two-, three- or five-inch band of velvet in the color representing the degree received, and the hood is lined with the colors of the granting institution. For instance, the Master of Arts hood from Texas A&M has a white border, for the discipline color of Arts, Letters and Humanities, with a maroon and white lining; the Master of Science hood has a golden yellow border, for Science, with a maroon and white lining; and the Doctor of Philosophy hood has a border in the blue of Philosophy with a maroon and white lining. Among the other discipline colors are Agriculture—maize, Architecture—violet, Business—olive green, Education—light blue, Engineering—orange and Veterinary Medicine—gray. These colors represent the degree earned, not the academic major. The Ph.D. in Engineering, for example, would normally wear the dark blue of Philosophy on the hood and gown instead of the orange of Engineering. Official guests of the University and members of the Board of Regents wear the doctor's gown with the blue of Philosophy on the front and hood.

## *Ceremonial Mace*

The University mace, a gift of the Class of 1990, leads the academic procession at commencement and on other special ceremonial occasions. Historically, the use of a mace dates back to the Middle Ages and was carried before or placed near a magistrate or other dignitary as an ensign of authority. This mace is made of sterling silver, walnut and oak and depicts various University symbols. It was designed by Rodney Hill, Texas A&M architecture professor who also carved the staff. Silversmith Lane Coulter '78, of Santa Fe, prepared the silver head of the mace and Lars Stanley '74, of Austin, designed and manufactured the stand.

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## *Gonfalons*

The gonfalon, a flag that hangs from a crosspiece or frame, originated in the medieval republics of Italy as an ensign of state or office. Gonfalons have been adopted in many universities around the world as college or institutional insignias. The gonfalons displayed represent the colleges of Texas A&M University. The colors of the University, maroon and white, are joined together in a pattern common to all of the flags. The top portion is the designated color for each unit. The white field serves as a background for the symbol of each.

**College of Agriculture and Life Sciences.** On a ground of white appears an emerging sun of yellow and russet rays. Yellow, the discipline color of science, russet, the discipline color of natural resources, and the center orange, color of engineering, combine to illustrate the intellectual interest in human and biological systems and structures. The interweaving ring encompasses the dawn making a full circle of life.

**College of Architecture.** The College of Architecture is comprised of three departments, all dedicated to the advancement of the built environment: Architecture, Construction Science, and Landscape Architecture and Urban Planning. The central triangle, a key shape in the field of architecture, symbolizes power, resilience, and direction, which is tilted to reveal its dimensionality, a non-planar object manipulated by the designer in exploration of unique perspectives. The rectilinear towers that encompass the triangular shape represent the monumental constructions throughout the history of architecture. These structures are all placed upon the foundation, which symbolizes the beginning of architectural education and knowledge. The three ribbons represent the builder's creativity (yellow), reliability (blue), and dedication (red), the essential values instilled within each student in the College of Architecture, leading towards a better world through the scope of knowledge and exploration.

**College of Arts and Sciences.** The symbol shows the connectivity of the distinct areas of knowledge in the College of Arts and Sciences. The components around the hexagonal ring are the domains of sciences, humanities, and social sciences. The design of the ring illustrates how these interlocking domains of learning and scholarship are united in the College of Arts and Sciences.

**Mays Business School.** The golden knot symbolizes unity and coordination of the disciplines of business administration. Surrounding the golden knot, a field of purple represents the rank of authority. The foundation of lozenges under the triangle illustrates the flow of order.

**College of Dentistry.** The color lilac has been associated with dentistry since the 1800s, symbolizing compassion and inspiration. Upon it, rests the Greek Omicron, O, representing the first letter in “odont,” meaning tooth, along with an interlaced Delta representing the letter D for Dentistry. The inner-most component of the emblem depicts healing, as signified with a serpent intertwined around the ancient cauterizing rod of the Greek god of healing, Asclepius. Included in the emblem, are 32 leaves and 20 berries representing both the primary and secondary teeth.

**College of Education and Human Development.** The flourishing flame blazoned with gold, light blue and royal purple signifies the burning zeal of the three missions of education—teaching, research and service. The hands hold the spiritual, social and intellectual flame of education.

**College of Engineering.** As the triangles collaborate alongside each other, projecting a diamond shape, they depict the strong relationship between the diverse engineering disciplines. The use of mathematics, science and technology provide the foundation of solving today’s challenging ideas between and within each engineering department. The center illustrates a circuit board to express the continuing growth in technology and engineering today, resulting in new industries and opportunities. The cohesive elements of this design work together as a whole symbolizing communication, interaction, teamwork, and balance in Engineering as the green, blue and navy color palette represents energy, loyalty, wisdom, professionalism and ambition.

**Bush School of Government and Public Service.** The star symbolizes pride and heritage in our great state of Texas. The two lines on either side of the star represent our connection with the past, and with the future, in an effort to build on experiences from history, while contributing and presenting new opportunities to future generations.

**School of Law.** A widely accepted symbol of peace, the olive leaves highlight one of the most critical contributions of law and legal order to human development. Curving inwards, they also bring to mind the Aggie Ring—and the circle of fellowship and community it represents. Lady Justice symbolizes the values our graduates bring to bear in their careers: a spirit of objectivity (blindfold), an unwavering commitment to fairness (scales), and the strength necessary to pursue it (sword). The six stars, finally, represent Texas A&M’s Core Values—Leadership, Respect, Loyalty, Excellence, Selfless Service, and Integrity—essential requirements of not only members of the legal profession, but all those who study the law and seek to advance justice, fairness, and the Rule of Law.

**College of Medicine.** The white field provides a background for the Aesculapian staff and serpent, long used as the symbol of the healing arts. The green color is the same displayed on the hoods and robes worn for the degree of Doctor of Medicine.

**College of Nursing.** The stars on the College of Nursing gonfalon represent caring, innovation and empowerment, while the cross symbolizes the origins of nursing. The candle honors the founder of nursing, Florence Nightingale. Apricot is the color of nursing.

**College of Performance, Visualization and Fine Arts.** The center of the design is a Penrose triangle, which is a continuous triangle, and an impossible 3D shape. The triangle combines math and creativity through the optical illusion it creates. The extensions of the triangle symbolize growth in all directions, while the overall triangular form communicates unity and continuity.

**Irma Lerma Rangel College of Pharmacy.** The mortar and pestle on the College of Pharmacy gonfalon symbolize the tools of traditional pharmacy. The Rx is from the Latin, "Take thou."

**School of Public Health.** The anchor and caduceus are adapted from the national Public Health Service, which evolved from the Marine Hospital Service to the Public Health and Marine Hospital Service, and finally became the U.S. Public Health Service. The star represents the linkage of the School of Public Health with the Texas A&M Health Science Center and the State of Texas. The salmon color is the color of the public health hoods.

**College of Veterinary Medicine and Biomedical Sciences.** Resting upon a ground of purity, a white snake stands for the science and the art of prevention, cure or alleviation of disease and injury to animals. It is found entwined around a herald's green staff—the symbol of service. The golden radiant triangle atop the Aesculapius illustrates the breadth of veterinary medical science.

*“The Spirit of Aggieland”*

By Mimms-Dunn

Some may boast of prowess' bold,  
Of the school they think so grand,  
But there's a spirit can ne'er be told,  
It's the spirit of Aggieland.

Chorus

We are the Aggies—the Aggies are we,  
True to each other as Aggies can be.  
We've got to fight, boys,  
We've got to fight!  
We've got to fight for Maroon and White.  
After they've boosted all the rest,  
They will come and join the best,  
For we are the Aggies—the Aggies so true,  
We're from Texas A M U.





## CONGRATULATIONS NEW GRADUATES!

### WELCOME TO THE ASSOCIATION OF FORMER STUDENTS!

Today, as a proud graduate of Texas A&M University, you will turn your Aggie Ring so that the Class year faces away from the body symbolizing a readiness to face the world.

Being an Aggie is a lifelong experience that is supported by the Aggie Network. By staying involved with Texas A&M through The Association of Former Students, together, we will continue the work of passing back the core values, traditions and experiences that make Texas A&M unique.

As you begin your new journey, we ask that when you're ready, you consider helping to pass it back to future generations. Join the Century Club at a 50% discount and proudly showcase your very own Century Club member decal.



**The Association**  
OF FORMER STUDENTS®

TEXAS A&M UNIVERSITY®

The Association of Former Students is **HERE** for Aggies during their days as students and former students, **THERE** for Aggies as they make their way around the world and **EVERYWHERE** that the Aggie Network needs us to be.

*This program is accurate with respect to the degree awarded and honors conferred based on available information at the time of print production. Neither a name listed herein nor participation in the ceremony guarantees the awarding of a degree or honors. The Office of the Registrar retains each student's permanent academic record, which indicates these official designations.*

*This program is available for download on the graduation website at <https://registrar.tamu.edu/graduation/ceremony-information/commencement-program-archives>.*