DECEMBER COMMENCEMENT CONVOCATION



SOUTHERN METHODIST UNIVERSITY

DECEMBER 21, 2019

Today we salute our graduates,

who stand ready to take the next steps

into the future. And we honor the

students, faculty, staff, parents and friends

who shaped SMU's first 100 years

and laid the foundation for an

extraordinary second century.



ORDER OF EXERCISE

CARILLON CONCERT

Quarter till Nine in the Morning Adam S. Neal, Carillonneur

Fondren Science Tower

WELCOME

Kevin Paul Hofeditz, Ceremony Marshal

PRELUDIAL CONCERT AND FANFARES

Imperial Brass

ACADEMIC PROCESSIONAL

The audience remains seated during the academic processional and recessional

Thomas B. Fomby, Presiding Chief Marshal

Darryl Dickson-Carr, Platform Marshal

Joseph F. Kobylka, Marshal Lector

Candidates for Graduation

Representatives of the Faculties

The Platform Party

Corinne E. Gibson '20, SMU Banner Bearer, Student Representative and *ex officio* member of the SMU Board of Trustees

CALL TO ORDER

Peter K. Moore, Provost and Vice President for Academic Affairs ad interim

INVOCATION

Stephen W. Rankin, Chaplain and Minister to the University

NATIONAL ANTHEM

John Stafford Smith and Francis Scott Key

Imperial Brass

Ryan W. Hanger '21, Commencement Vocalist

REMARKS

David B. Miller '72, '73, Vice-Chair of the SMU Board of Trustees

Darian D. Taylor '20, Student Body President

SPECIAL RECOGNITIONS

Peter K. Moore

PRESIDENT'S STATEMENT

R. Gerald Turner, President of the University and ex officio member of the

SMU Board of Trustees

COMMENCEMENT ADDRESS

Eric Johnson, Mayor of Dallas, Texas

SPECIAL MUSIC

"SMU Forever"

Jimmy Dunne

Imperial Brass

Ryan W. Hanger '21

CONFERRING OF DEGREES IN COURSE

Please refrain from applause until all candidates have been presented.

Marc P. Christensen, Dean of Lyle School of Engineering

Jennifer M. Collins, Dean of Dedman School of Law

Thomas DiPiero, Dean of Dedman College of Humanities and Sciences

Craig C. Hill, Dean of Perkins School of Theology

Samuel S. Holland, Dean of Meadows School of the Arts

Stephanie L. Knight, Dean of Annette Caldwell Simmons School of Education and Human Development

Matthew B. Myers, Dean of Cox School of Business

James E. Quick, Associate Vice President for Research and Dean of Graduate Studies

Assisting:

John A. Hall '71, '73, '79, Executive Director of Enrollment Services and University Registrar

Joseph F. Monroy '16, President of the SMU Staff Association

Joe Papari '81, Director of Enrollment Services for Student Systems and Technology

THE FAREWELLS

Timothy Rosendale, President of the SMU Faculty Senate and ex officio member of the SMU Board of Trustees

Dori T. Wey '12, Chair of the SMU Young Alumni Board

BENEDICTION

Craig C. Hill

ALMA MATER

"Varsity"

Imperial Brass

Oh we see the Varsity,

Varsity, Varsity,

As she towers o'er the hill

Over there.

And our hearts are filled with joy,

SMU, SMU,

Alma Mater, we'll be true

For ever!

RECESSIONAL

OTHER MEMBERS OF THE PLATFORM PARTY

Gerald B. Alley '75, SMU Board of Trustees

Michael M. Boone '63, '67, SMU Board of Trustees

Brad E. Cheves, Vice President for Development and External Affairs

Robert H. Dedman, Jr. '80, '84, Chair of the SMU Board of Trustees

David S. Huntley '80, SMU Board of Trustees

Holly E. Jeffcoat, Dean of SMU Libraries

Bobby B. Lyle '67, SMU Board of Trustees

Connie Blass O'Neill '77, SMU Board of Trustees

Jeanne L. Phillips '76, SMU Board of Trustees

Chris Regis, Vice President for Business and Finance

Harold W. Stanley, Vice President for Executive Affairs

Paul J. Ward, Vice President for Legal Affairs and Government Relations, General Counsel and Secretary

OTHER MEMBERS OF THE GUILD OF MARSHALS

Richard S. Barr, School Marshal Charles Besio, School Marshal Scott L. Davis, School Marshal David Doyle, Jr., Assisting Procession

David Doyle, Jr., Assisting Procession Marshal Jennifer Lynn Dworak, School Marshal Daniel W. Engels, School Marshal Edward J. Fox, Faculty Marshal Randall C. Griffin, School Marshal Ping Gui, School Marshal Roy L. Heller, School Marshal Lynn Romejko Jacobs, School Marshal Maribeth Kuenzi, School Marshal Brian Molanphy, School Marshal William C. Orr, School Marshal Thomas Osang, Procession Marshal Luke Robinson, School Marshal David Rosenfield, School Marshal David Sedman, Doctoral Marshal

Todd Chiscano, Director of Academic Ceremonies

SMU BOARD OF TRUSTEES 2019-20 IN ABSENTIA

William D. Armstrong '82 Tucker S. Bridwell '73, '74 Bradley Brookshire '76 Laura Welch Bush '68 Pastor Richie L. Butler '93

Kelly Hoglund Compton '79, Secretary Jeanne Tower Cox '78

Katherine Raymond Crow '94

Gary T. Crum '69 Antoine L.V. Dijkstra Gerald J. Ford '66, '69 Antonio O. Garza, Jr. '83

Juan González

Bishop Cynthia Fierro Harvey '99 Frederick B. Hegi, Jr. '66 Clark K. Hunt '87

Ray L. Hunt '65 Bishop Scott J. Jones '81, '92

George W. Killebrew IV '85 Paul B. Loyd, Jr. '68 Bishop Michael McKee '78 Scott J. McLean '78
Frances A. Moody-Dahlberg '92
Rev. Dr. Sheron Covington Patterson '83, '89, '96
Sarah Fullinwider Perot '83
Caren H. Prothro
Rev. Paul L. Rasmussen '04
Carl Sewell '66
Richard K. Templeton

Richard K. Templeton Richard Ware '68 Royce E. (Ed) Wilson, Sr.

COMMENCEMENT SPEAKER

ERIC JOHNSON

Eric Johnson is the 60th mayor of Dallas, Texas, elected in June 2019. Prior to becoming mayor, Johnson served as a member of the Texas House of Representatives, where he represented the city of Dallas from April 2010 to June 2019. During his tenure in the Texas Legislature, Johnson served on 20 prominent legislative committees, including appropriations, ways and means, higher education and natural resources. He also served as chair of the Dallas Area Legislative Delegation. In addition to his service as mayor of Dallas, Johnson is an attorney and partner with the international law firm of Locke Lord LLP.

Johnson was born in Dallas and attended Dallas Independent School District schools through first grade before earning a scholarship to Greenhill

School through the Boys & Girls Clubs of Greater Dallas. He attended Harvard University, where he graduated *cum laude* with a degree in history. Johnson holds a law degree from the University of Pennsylvania Law School and a master's degree in public affairs from the Woodrow Wilson School of Public and International Affairs at Princeton University. He also is an alumnus of Harvard University's John F. Kennedy School of Government's Senior Executives in State and Local Government program and is a member of the Council on Foreign Relations.

Mayor Johnson lives in Dallas with his wife, Nikki, their two sons, William and George, and their dog, Penny. He is a member of the Mountain View Church of Christ.

DECEMBER 2019 AND JANUARY 2020

CANDIDATES FOR GRADUATE AND PROFESSIONAL DEGREES WITH HONORS

The students listed below have anticipated Latin honors based upon estimated academic information. A souvenir version of the confirmed honors will be posted online at smu.edu/registrar in January.

James L. Dees Juan Jose Garcia Elizabeth Ann Harper

Leigh-Anne R. Williams

CANDIDATES FOR BACCALAUREATE DEGREES WITH HONORS

The students listed below have anticipated honors based upon estimated academic information. These honors include Honors in Business, Honors in Liberal Arts, Departmental Distinction and Latin honors. A souvenir version of the confirmed honors will be posted online at smu.edu/registrar in January.

Sunjoli Aggarwal
Bo Drebon Beidleman
Olivia J. Beitelspacher
Isabella Mary Ann Bernardini
Sarah Elizabeth Bivans
Elizabeth Anne Bradshaw
Gianna Lucille Cancellieri
Ben Gill Clements
Katie Nicole Dickerman
Victoria Abrielle Dickson
Roxana Farokhnia
Lee Nova Fedorko
Gaelle Jeanne Gachelin
Rachel Ern-Yi Gan

Maria Paulina Guraieb Abella Hannah Lynn Hess Joshua Theodore Jalowiec Mason Robert King Brooke Franzine Kuempel Vivienne Birthe Alida Kulicke

Sang Jin Lee

Ashley Quynh Huong Mai

Olivia M. Marx
Price Thomas Morgan
Cassidy Jana Najarian
Michael John O'Keefe
Faith Charlotte Perry
Philip John Ponder
Miranda Reese Rockhold

Cambley Noelle Sassman Nicole Lyn Shah Jordan Nicole Tenpas Cole Michael Thomas Alexis Taylor Thornton George Robert Van Bortel Brianna Rae Vandenburg

Kyle David Weber Yuanyuan Wu Priya Lahiri Young Minaz A. Zad Yu Zhang Liwen Zhu

DECEMBER 2019 AND JANUARY 2020

CANDIDATES FOR DEGREES

IN DEDMAN COLLEGE OF HUMANITIES AND SCIENCES

DEGREE OF DOCTOR OF PHILOSOPHY

Stephen Michael Budy *Chemistry* BS Humboldt State University

MS Syracuse University

Ian Thomas Grieve

MS University of Arizona

Dissertation: "Polyarylenes: Synthesis and Characterization Towards

Advanced Applications" Adviser: David Y. Son

Michael Craig Byrd Statistical Science

BS University of North Texas

Dissertation: "High-Dimensional Variable Selection with Measurement Error"

Adviser: Monnie McGee

Toby Matthew Eisenberg Religious Studies

BA Rice University

JD University of Texas, Austin

MA Fuller Theological Seminary

Dissertation: "Ephesians and Ecumenism"

Adviser: William J. Abraham

Haley Feuerbacher Religious Studies

BA Baylor University

MTS Brite Divinity School

Dissertation: "The Unmarried (M)Other: A Study of Christianity, Capitalism, and Counternarratives Concerning Motherhood and Marriage in the

United States and South Africa" Adviser: Joerg Michael Rieger

Elnaz Ghotbi Ravandi Molecular and Cell Biology

BS MS Shahid-Bahonar University of Kerman

Dissertation: "Recruitment of Polycomb-group Proteins at Giant in

Drosophila Embryos" Adviser: Richard Jones David R. Luckey Religious Studies

BS Dallas Baptist University

MTS Southern Methodist University

Dissertation: "'Spirited' Engagement: Latin American Faith and the

Construction of Emancipative Pentecostalism"

*Aditi Malu Molecular and Cell Biology

BS Government Holkar Science College, India

MS Vellore Institute of Technology, India

Dissertation: "HTLV-1 Latency-Maintence Factor p30II Modulates Tax-

Induced NFkB Signaling Through A p53-Regulated Mechanism"

Adviser: Robert L. Harrod

Ryan Patrick Alexander McShane Statistical Science

BS Saint Mary's University

MS University of Texas, San Antonio

Dissertation: "Modeling Stochastically Intransitive Relationships in Paired

Comparisons Data"

Adviser: Ian R. Harris

Avichal Vaish Chemistry

BS MS Indian Institute of Science

Dissertation: "Hypervalent Iodine Compounds With Carboxylate and

Tetrazolate Ligands"

Adviser: Nicolay Vasilev Tsarevsky

Bo Ting Wang Physics

BS National Tsing Hua University, Taiwan

MS National Taiwan University, Taiwan

Dissertation: "Constraints On Parton Distribution Functions Imposed By

Hadronic Experiments" Adviser: Pavel M. Nadolsky

^{*} Spring 2019

Feng Wang Theoretical and Computational Chemistry

BS MS Sichuan Normal University

Dissertation: "Conformational Analysis Through Molecular Dynamic

Simulations With Machine Learning Methods"

Adviser: Peng Tao

Kuangli Xie Economics

BS East China Normal University, China

MS Xiamen University, China

Dissertation: "Three Essays on Incentive Mechanisms"

Adviser: Timothy Craig Salmon

Xiaohan Xu Biostatistics

BS Southwestern University

MS Georgetown University

Dissertation: "Sample Size Considerations for Clustered and Correlated

Outcomes in Clinical Research"

Adviser: Hong Zhu

Anyu Zhang Computational and Applied Mathematics

BS Beijing University of Technology

MS Southern Methodist University

Dissertation: "Model Selection And Experimental Design Of Biological

Networks With Algebraic Geometry"

Adviser: Brandilyn Stigler

Chivu Zhang Statistical Science

BS Sun Yat-sen University

MS University of Illinois, Urbana

Dissertation: "A Comparative Study of Statistical Methods for Quantifying and Testing Between-study Heterogeneity in Meta-analysis with Focus on Rare Binary Events & Estimation and Inference of Variances in Cluster

Randomized Designs Using Ranked Set Sampling"

Adviser: Sherry Wang

IN BOBBY B. LYLE SCHOOL OF ENGINEERING

DEGREE OF DOCTOR OF PHILOSOPHY

Meysam Akbari Mechanical Engineering

BSME MSME Amirkabir University of Technology,

Dissertation: "Development of a Robotized Laser Directed Energy

Deposition System and Process Challenges"

Adviser: Radovan Kovacevic

Mahdi Heidarizad Civil Engineering

BS Shahid Beheshti University of Medical Sciences, Iran

MS Tarbiat Modares University, Iran

Dissertation: "Removal of Pollutants from Aqueous Solution via Graphene

Oxide/Magnesium Oxide Nanocomposites"

Adviser: Andrew Quicksall

*Sherry Xirui Huang Electrical Engineering

BS University of California-Los Angeles

MS University of Texas, Dallas

Dissertation: "Parametric Amplification Study and Applications in Millimeter-

Wave Transmitters" Adviser: Ping Gui

Qutaiba Khasawneh Electrical Engineering

BSC Jordan University of Science & Technology

MSC University of Massachusetts

Dissertation: "Reducing the Production Cost of Semiconductor Chips Using Parent (Parallel and Concurrent) Testing and Real-Time Monitoring"

Adviser: Ping Gui

Xiaoyu Liu Computer Science

BE Nanjing University, China

BS New York Institute of Technology

MSEE Southern Methodist University

Dissertation: "Automating Software Changes via Recommendation Systems"

Adviser: LiGuo Huang

Colin Monroe Loeffler Mechanical Engineering

BA BS University of North Texas

MSME Southern Methodist University

Dissertation: "Failure of High Strength Concrete Under Dynamic Uniaxial

Compression"

Adviser: Xu Nie

Naderehsadat Mansouri Operations Research

BS University of Tehran, Iran

MS Amirkabir University of Technology, Iran

Dissertation: "Cost - and Time - Effective Regional Evacuation Network

Design and Operation Under Travel Congestion and Uncertainty"

Adviser: Halit Uster

Thanh Chinh Nguyen Mechanical Engineering

B.Engr. University of Danang, Vietnam

MS University of Ulsan, Vietnam

Dissertation: "Graphene-Based Water Desalination Using

Atomistic Simulations" Adviser: Ali Beskok

Farnaz Nourbakhsh Operations Research

BS Mazandran University

MS MS University of Nebraska, Lincoln

Dissertation: "Process Reengineering and Optimization in Healthcare for

Treating the Uninsured" Adviser: Sila Cetinkaya

Yan Shi Electrical Engineering

BS Wuhan University, China

MSEE Baylor University

Dissertation: "Beamforming Design for UAVs and Swarms with In-Field

Experimentation" Adviser: Joseph D. Camp

Kaitlin Nicole Smith Electrical Engineering

BS BSEE MSEE Southern Methodist University

Dissertation: "Technology Dependent Quantum Logic Synthesis and

Compilation"

Adviser: Mitchell Aaron Thornton

Matthew Jordan Tonnemacher Electrical Engineering

BSEE MSEE Southern Methodist University

Dissertation: "Leveraging Geographical and Spectral Information for Efficient

Cellular Systems"

Adviser: Joseph D. Camp

Anna Rose Wallace Civil and Environmental Engineering

BS University of Washington

MSENVE Southern Methodist University

Dissertation: "Evaluation of the Mechanisms and Effectiveness of Nano-

hydroxides, Wood and Dairy Manure-Derived Biochars to Remove

Fluoride and Heavy Metals from Water"

Adviser: Wenjie Sun

Amin Ziaeifar Operations Research

BS Isfahan University of Technology

MS University of Tehran, Iran

Dissertation: "Generalized Relay Network Design and Collaborative

Dispatching in Truckload Transportation"

Adviser: Halit Uster

DEGREE OF DOCTOR OF ENGINEERING

Rabih Neouchi Engineering Management

BS Lebanese American University MS University of Windsor, Canada

Dissertation: "Big-Data Talent Analytics in the Public Sector: A Promotion

and Firing Model for Employees at Federal Agencies"

Adviser: Aurelie Charlotte Thiele

Yang Peng Engineering Management BS Beijing University of Posts And Telecom MBA Cranfield University, United Kingdom

MS Northern Illinois University

Dissertation: "Resource Allocation and Task Scheduling Optimization in Cloud-Based Content Delivery Network with Edge Computing"

Adviser: Richard S. Barr

IN ANNETTE CALDWELL SIMMONS SCHOOL OF EDUCATION AND HUMAN DEVELOPMENT

DEGREE OF DOCTOR OF PHILOSOPHY

Jillian Marie Conry Education

BA Texas A&M University

MLS Southern Methodist University

Dissertation: "Examining Three Approaches to Supporting English Learners

by Leveraging Technology"

Adviser: Paige D. Ware

Paul Polanco Education

BBA Pontificia Universidad Católica Madre y Maestra, Dominican Republic

Yue Zou

MBA University of Dallas

Dissertation: "Bilingualism: Visualizing the Outcomes for Latinx Bilinguals in

the U.S."

Adviser: Doris Maria Luft Santos Baker

DEGREE OF DOCTOR OF EDUCATION

Cynthia Elaine Beatty McFarland Educational Leadership, PK-12

BA MEd Texas A&M, Commerce

Dissertation: "Common Leadership Practices for Turning Around High Poverty Schools as Perceived by Principals Utilizing the Accelerating

Campus Excellence (ACE) Model"

Adviser: Frank Hernandez

IN PERKINS SCHOOL OF THEOLOGY

DEGREE OF DOCTOR OF MINISTRY

Ngin Bobby Chaw

Degree of Master of Theological Studies

James L. Dees Raquel Ludim Godinez Herlisa Antionette Gumbs

Degree of Master of Arts in Ministry

Elizabeth Ann Harper Myra Lea Jones Leigh-Anne R. Williams

DEGREE OF MASTER OF THEOLOGY

Demetrius DeWayne McClendon

IN DEDMAN SCHOOL OF LAW

DEGREE OF DOCTOR OF THE SCIENCE OF LAW

Chatchai Lapprathana Norarit Sudsanguan

DEGREE OF MASTER OF LAWS

Comparative & International Law

Siza Elhag Eltahir Ahmed Anne Caroline Mello Batista

Aime Mayamba Kahungu Marta Milan

Degree of Juris Doctor

Juan Jose Garcia John L. Peterson

Samuel C. Kessler Mason Michael Potter

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IN DEDMAN COLLEGE OF HUMANITIES AND SCIENCES

DEGREE OF MASTER OF ARTS

Kevin Briceland History

Christy Noel Carlson Molecular and Cell Biology

Chelsea Noelle Carson Psychology

Thesis: "Mindfulness Within Relationships: Is Partner Discrepancy Related to Relationship Satisfaction"

Kathleen Mayes Hines English Erica Lyn Massey English

Julieta Ezeiza Applied Economics

Samuel Parker Fleming Applied Economics

DEGREE OF MASTER OF SCIENCE

Briley Jane Bezner Chemistry

Thesis: "Chemiluminescent Probes for Monitoring and Imaging Hydrogen Sulfide in Living

Systems"

Todd Buretz Statistical Science Clark Sully Collier Applied Geophysics Jared C. Ferrell-Penniman Molecular and Cell Biology

Thesis: "Peroxiredoxin 6 and Inflammation in Alzheimer's Disease"

Estefania Beatriz Fiallos Barahona Applied Statistics and Data Analytics

Idamawatte Gedara Chamari Geet Idamawatta Statistical Science

Arkadijs Slobodkins Computational and Applied Mathematics

Shimeng Yuan Applied Statistics and Data Analytics

DEGREE OF MASTER OF SCIENCE IN APPLIED ECONOMICS AND PREDICTIVE ANALYTICS

Alec Thomas Chappetta William Lucas Gentry Qingyi Li

Mary Claire Miller Zachary Logan Miller Annie Rabbane

Oiusu Wang Rongxuan Wang

IN MEADOWS SCHOOL OF THE ARTS

DEGREE OF MASTER OF ARTS

Allison Jane Farris Advertising Lauren Michelle Howard Advertising

Rosendo Martinez Arts Management Palmer Alexandra McGraw Advertising Kendall R. Krieger Advertising Noemie Rongo Mwanzuzi Advertising

Jessica Lynn Phillips Advertising Madelein Terreros Lucumi Advertising

DEGREE OF MASTER OF MUSIC

Brooke Alyn Scholl Cello Performance

DEGREE OF MASTER OF MANAGEMENT IN INTERNATIONAL ARTS MANAGEMENT

Ankit Agarwal International Arts Management Mathilde Claude Christine Cadour International Arts Management Rui Deng International Arts Management

Courtney Allyson Kenyon International Arts Management

Virginie Lacombe Gagnon International Arts Management

Marion Maya Lecoq International Arts Management

Biagio Manzotti International Arts Management Yumi Palleschi International Arts Management Caroline Piche International Arts Management

Ann Christine Racette International Arts Management

Maria Manuel Teixeira Carneiro International Arts Management

John H. Tenny International Arts Management Xiaofeng Wang International Arts Management

IN EDWIN L. COX SCHOOL OF BUSINESS

Degree of Master of Business Administration

Katherine Landis Albritton General Business

Gabriel Andonie Real Estate

Rama Krishna Asuri General Business

Blake Christian Berry Finance; Strategy & Entrepreneurship

Amish Bhatia General Business

Nathan Joel Cobos Finance; Strategy ぐ Entrepreneurship

John Michael Constant Real Estate Brandy Whitt Dalton Management

Alexander David Daniel Finance Clark Brittain Davis Finance

Jennifer Elizabeth Doran Marketing Maria de la Luz Espinoza Finance

Rebecca Lynne Everitt General Business Andrew Dennis Gavelek General Business

Jonathan Charles Gibson Finance Katherine Hodge Hamilton Real Estate; Strategy & Entrepreneurship

Bernadette Orona Finance Quentin Newman Pell General Business

Chuan He General Business

Bethany Hostetler Finance

Entrepreneurship

Entrepreneurship

Qiuxiong Li Finance

Entrepreneurship

Analytics

Rosendo Martinez Marketing

Anne Marie McMichael Strategy ぐ

Matthew Ross Hilburn Accounting

David F. Lee Management; Strategy &

Daniel John Keefe V Management; Strategy &

Carl Vincent Karnes, Jr. Finance

Grant William Perry Strategy & Entrepreneurship

Mason Michael Potter General Business

Mark Mahaffey Nastri Finance; Real Estate

Michelle Alejandro Ocampo Vega Business

John Drake Prater General Business Brice Christopher Priestley Strategy & Entrepreneurship

John Lewis Ropp Finance Zachary Thomas Saucier Finance

Stephen A. Scheets Finance Karl R. Snow General Business Edwin D. Tatum General Business

Clayton Russell Thomas Finance

Lan Xuan Tran General Business

James Avery Vaughan Finance; Real Estate Jordan Trevor Wiggs Finance

Vanessa Chung-Yuan Yang Finance

Nathaniel Alexander Zastrow Management; Strategy & Entrepreneurship

Eric Anthony Zimmermann Marketing

Degree of Master of Science in Business Analytics

Sean O'Connell Buzaid Emaan Zahoor Elahi DeAngelo J. Garner

Sienna Nicole Harris Raegan E. Herbert Cara Phillips

Yana Ramilyevna Stafford Tasnim Fatima Sultan Chongnan Yang

DEGREE OF MASTER OF SCIENCE IN FINANCE

Richard Conner Cowart

DEGREE OF MASTER OF SCIENCE IN MANAGEMENT

Eleazar Charlie Flores IV Adrian Gutierrez Don Jordon Williams

IN BOBBY B. LYLE SCHOOL OF ENGINEERING

DEGREE OF MASTER OF ARTS

Clara Rulegura Ford Sustainability and Development

Katherine Nichole Linares Sustainability and Development

Leland Robert Quinter Sustainability and Development

DEGREE OF MASTER OF SCIENCE

Muaz Abrar Security Engineering Muhannad Ajlan M. Alajlan Security Engineering Sydney Lyn Bailey Systems Engineering Christina Bick Security Engineering Denver Michael Brittain Computer Science Blair Hannah Chandler Operations Research Meng Cheng Computer Science Joshua Alexander Clemons Manufacturing Systems Management

Gayatri Ganesh Datar Telecommunications and Network Engineering

Han Deng Computer Science Tuan Do Security Engineering

Ashutosh Ramjanam Dubey Telecommunications and Network Engineering

Paola Duran Suarez Operations Research Ryan M. Fontenot Software Engineering + Mandar Rajendra Ghogale Telecommunications

and Network Engineering Lakisha Denise Glenn Manufacturing Systems

Management

Anthony Grandle Security Engineering Kevin Thomas Harrison Security Engineering Khuong Van Hoang Systems Engineering Hayden Harsy Hodges Operations Research Robert James Holland Systems Engineering John Thomas Rowdy Howell Computer Science Beichen Hu Datacenter Systems Engineering **Enobong Idio** Systems Engineering Rehan Ishrat Security Engineering Harshita Jagtap Telecommunications and Network

Engineering Tushar Uttamrao Jagtap Telecommunications and Network Engineering

Riddhi Jani Telecommunications and Network Engineering

Chhava Lalan Security Engineering Steven Christopher Lawley Security Engineering Keting Li Computer Science Chen-Hao Lin Computer Science

Gokul Madhu Datacenter Systems Engineering Everardo Martinez Systems Engineering Jacobo Martinez Sanchez Operations Research Deepak Wilson Michael Telecommunications and

Network Engineering Reginald Moore Telecommunications and Network Engineering

James Allen Mullen Operations Research Larry K. Naron III Software Engineering Chris Navarro Systems Engineering Mathew Aaron Oehler Operations Research Lucas Pick Security Engineering Cristobal Norberto Ramirez Security

Engineering

Samuel Patrick Rinaldi Operations Research Paul Rolon Security Engineering James Brian Shavers Security Engineering Yang Shen Datacenter Systems Engineering Gaurav Shishir Kumar Singh

Telecommunications and Network Engineering Zhengjie Tang Computer Science

Tara Brittany Thompson Security Engineering

Bowei Tian Computer Science

Snehal Santosh Tirmanwar Telecommunications and Network Engineering

Will Ray Turnbow Manufacturing Systems Management

William Douglas Twyman Security Engineering Raul Vasquez Security Engineering Harikrishnan Vijayaraghavan Security Engineering

Andrew Cole Warden Operations Research Dinesh Kumar Yaday Telecommunications and Network Engineering Jiutian Yu Computer Science

Haifa Mohammed A. Zelai Systems Engineering Yan Zeng Computer Science

Luoming Zhang Computer Science Tianyi Zhu Computer Science

DEGREE OF MASTER OF SCIENCE IN CIVIL ENGINEERING

Mohammed Ageel H. Alharbi

Yujia Wang

Degree of Master of Science in Electrical Engineering

Sen Bing Thesis: "Sparse Transducer Imaging" Chaoming Chang

Jiang Chen Muchen Han Yu Hong

Yue Li Tao Shi Bo Zhang

DEGREE OF MASTER OF SCIENCE IN ENGINEERING MANAGEMENT

Gbemisola Aderonke Alabi Mosa Abdulaziz M. Almajed Faris Ibrahim Altamimi Rodolfo Canamar Guajardo

Kevin Allen Deal Benjamin Ross Givens Daniel Guerra Cardenas Kelly Nicole Howey

Jaime Reverte Rosario Enrique Tomas Ziyuan Wang Samantha Nicole Wyatt

DEGREE OF MASTER OF SCIENCE IN ENGINEERING ENTREPRENEURSHIP

Tamara Bassam

DEGREE OF MASTER OF SCIENCE IN ENVIRONMENTAL ENGINEERING

John Ortlieb Sanfan Pan Zhengzun Zhang

DEGREE OF MASTER OF SCIENCE IN MECHANICAL ENGINEERING

Shiqi Jia

IN ANNETTE CALDWELL SIMMONS SCHOOL OF EDUCATION AND HUMAN DEVELOPMENT

DEGREE OF MASTER OF ARTS IN DISPUTE RESOLUTION

Benjamin John Buchta Ebony Nicole Cuington Jennifer Marlene Torres Kimberly Dawn Calton Emily Michael Stout BreAnne Walsh Paul

DEGREE OF MASTER OF BILINGUAL EDUCATION

Ana Isabel Castillo Imelda Garcia Pacheco

DEGREE OF MASTER OF EDUCATION

Melanie Ward Algermissen Makena Graves Kisa Ann Kanoe Matlin
Kathryn-Amber Alexandra Costa Harriette Elizabeth Hauske Aparna Nisankararao
Philip Cramer Meagan Ariatni Hicks Rukiya Noles Special Education
Sophia Elena Davila Sarah Lauren Johnson Richard Anthony Perry, Jr.

Chantille Diaz Olga Leticia Juarez Siyuan Sui Robert Trigg Edwards Florence Leopold-George Yulin Ye

Kendyl L. Fleury Binny Elizabeth Loveless
Paul David Foster Michael J. Manca

DEGREE OF MASTER OF LIBERAL STUDIES

Jourdan Fitzgerald BlakeKarimah Amatullah HernandezPatrick NelsonRobert Arthur BuckerJustin T. HillSvenja Kristin OjstersekJose Carlos CavazosTerra Moneke JohnsonChanda Camille PriceReilly ChristieCasey KrollChristopher McCall Sanders

Madison Lee Wilkerson

Reilly Christie

Casey Kroll

Kimberly Diane Cobb

Tiffani Romaine Mauldin

Kyle Alexander Cooper

Luz Maria Neaves de Villarreal

DEGREE OF MASTER OF SCIENCE IN COUNSELING

Chanel MaChe' Atkinson Mary D. Jackson Elika Erica Rezakhani Josephine Terese Bibby Gergana Markov Nathan Lee Roberson Henrisse Mae De La Cruz Caluya Sarah Katherine Mecke Maegan Marie Stewart

Donna Bennett Gill Oluwafunmto Toluwalase Ogunbanwo

DEGREE OF MASTER OF SCIENCE IN SPORT MANAGEMENT

Anna Killian

THE GUILDHALL AT SMU, LINDA AND MITCH HART eCENTER

DEGREE OF MASTER OF INTERACTIVE TECHNOLOGY

Parker Allan Johnstone Digital Game

Development - Level Design

Thesis: "Visual Conveyance in a Physically Constrained Space for Mobile Augmented

Reality Adventure Game Levels"

IN RESEARCH AND GRADUATE STUDIES

Degree of Master of Science in Data Science

Vishal Ahir Eduardo Carlos Cantu Medellin Mallory Anne Hightower **Dmitry Andreev** Samuel Lee Coyne Andy Tsun Yung Ho Festus Kwadwo Asare Yeboah Sita Daggubati Jonathan Austin Knowles Clovis Ryan Bass Luay Ziad Dajani Hannah Kosinovsky Stuart Brett Benefield Brandon De La Houssaye Shravan Reddy Kuchkula Vitaly Briker Richard Farrow Sheri Loftin

Vitaly Briker Richard Farrow Sheri Loftin
Peter Byrd Peter Flaming Laura Jane Ludwig

Ruhaab Shay Markas Shon Mohsin An Hai Nguyen Quinton Choice Nixon Jodi Lynne Pafford Muthu Sankara Narayanan Palanisamy Mihir Parikh Bharanikumar Ramasundaram Selwyn Samuel Misael Luis Santana Daniel Joseph Serna Maryam Shahini Trace Smith John David Stroud Anantharam Subramanian Olha Tanyuk Quentin Thomas William Trevino Aravind Veluchamy Jaime Madolora Villanueva, Jr.

IN DEDMAN COLLEGE OF HUMANITIES AND SCIENCES

DEGREE OF BACHELOR OF ARTS

Joseph Lewis Abell Philosophy Ayat A S Y Y Albaloul Psychology Natalia Albores Political Science Jorge Arturo Andrade Economics Karla Francheska Andrade French Studies Lauren Elizabeth Arev Psychology Matthew Ryan Ashby Political Science Olivia J. Beitelspacher Environmental Studies Emily Elizabeth Beljak Human Rights Elliot Robbins Bell Political Science Jesse J. Boal French Studies Elizabeth Anne Bradshaw Biological Sciences Khiabet Campos Political Science Julia Christine Cantu Human Rights Ryan Conner Carver Economics Guanjing Cao Economics Ben Gill Clements Political Science David Joseph Desatnick Markets and Culture Victoria Abrielle Dickson Psychology Sara Elisabeth Ellington Human Rights Rachel Leah Ellington Anthropology Chandler Olivia English International Studies Caroline Amanda Essery International Studies Lee Nova Fedorko Philosophy; Psychology Celeste Juanita Flores Philosophy Alexandra Brooke Frederick Psychology Gaelle Jeanne Gachelin French Shayan Shakil Gagan Economics Callie Elizabeth Garrison Psychology Alexandra Susan Garside Sociology

Szymon Piotr Golczyk Political Science Jose Andres Gonzalez Benavides International Studies Heather Ann Hall Political Science Dermot Harris Economics Kathryn Inez Hartman French Jessica Elizabeth Hays International Studies Helen Hinh Biological Sciences Brandon Curtis Hudson Biological Sciences Joseph Kinyanjui Political Science Lawner Lewis Knox, Jr. Economics Vivienne Birthe Alida Kulicke Spanish Jaclyn Marie Landers History Lindsay Taylor Lindeman Markets and Culture; Elizabeth Janelle Levy Chemistry; English with a Creative Writing Specialization Xinvue Li Mathematics Andrew Lee Lightfoot Markets and Culture Sara Nicole Lubratt English with a Creative Writing Specialization Gideon P. Lyda Anthropology John Stuart Macatee Markets and Culture

Maci Bre Mallahan Economics; Markets and

Katherine Munoz Environmental Studies

Andrea D. Nguyen Anthropology; Markets and

Price Thomas Morgan Public Policy

Edwin T. Munjoma Mathematics

Culture

Culture

Nicholas Peter Nictakis Markets and Culture Iyobosa Esther Obaseki Psychology Jessica D. Baptista De Oliveira Markets and Culture Ashni Pablev English William Worthington Parkinson Political Science Kristin Marie Payne Markets and Culture Karla Paola Perez Public Policy Faith Charlotte Perry Philosophy Preston Oliver Richard Psychology Collin David Rock Markets and Culture Matthew Louis Rose French Studies Lehan Shen Mathematics Matthew Charles Smith Political Science Coleman Patrick Strauss Economics Julian Dockery Clark Taylor Philosophy Jacob Carter Todora Markets and Culture Ana Paula Torres Correas International Studies; World Languages - Spanish William Anderson Turley Economics Paul Von Gontard Political Science Charles Coleman Wall Economics Xintian Wang Economics Yuanyuan Wu French Studies Priya Lahiri Young Economics David MackinTosh Zaragoza English with a Creative Writing Specialization Liwen Zhu Economics

DEGREE OF BACHELOR OF SCIENCE

Ifeanyi George Achu Mathematics; Physics Javier Andrés Aldape Romero Economics Brian Auersperg Economics with Finance Applications

Thomas Barron Mathematics

Christopher Benton Bass Economics with Finance Applications

Sarah Elizabeth Bivans Biological Sciences
Elizabeth Anne Bradshaw Health and Society
Brian Timothy Browne Economics with Finance
Applications

Guanjing Cao Statistical Science
Austin Jacob Corbett Mathematics
Cameron David Cramer Biological Sciences
Yue Cui Economics with Finance Applications;
Statistical Science

Kaitlyn Brooke Daugherty Mathematics Michael Joseph Di Renzo Economics with Finance Applications

Alejandro Dominguez Garcia Mathematics Roxana Farokhnia Biological Sciences; Health and Society

Bianca Jahaira Fillippo Ebrath Economics with Finance Applications

Jessica Ann Garrido Mathematics
John Douglas Graham Economics with Finance
Applications

George Maxwell Harmon Economics with Finance Applications

Clayton Alexander Harper Mathematics
Cooper Christian Hicks Economics with Finance
Applications

Collin Joseph Higgins Economics with Finance Applications

Makenna Danielle Hill Economics with Finance Applications

Helen Hinh Anthropology Carolyn Omar Iduh Psychology

Carson John Klein Economics with Finance Applications

Zachary Scott Kosub Economics with Finance Applications

Applications
Matthew Isaac Lane Economics
Michael Lawrence Link Mathematics
Kelly Anne Little Health and Society
Erin Claire Mackie Biological Sciences
Ashley Quynh Huong Mai Biological Sciences;
Health and Society

Delaney Mattea Mansfield Mathematics
Olivia M. Marx Biological Sciences; Mathematics
Spencer T. Meyer Mathematics
Lauren Eileen Mills Mathematics
Price Thomas Morgan Economics
Christopher Michael Newey Mathematics; Physics
Chiamaka Ngumi Statistical Science
William Joseph Nolan Economics with Finance
Applications
Michael John O'Keefe Mathematics
Ankur Navnitkumar Patel Mathematics

Ankur Navnitkumar Patel Mathematics
Evan Pearlman Morales Mathematics
Hongyu Qing Economics
Kathleen Mason Ranallo Health and Society
Malori Paige Sanders Economics with Finance
Applications

Cambley Noelle Sassman Biological Sciences; Health and Society

Parker Winchester Smith Mathematics
Louisa Marijane Smitherman Biological Sciences
Lucas Lee Stamatis Economics with Finance
Applications

Grace Rene Stinson Economics with Finance Applications Andrew Joseph Stull, Jr. Mathematics Cole Michael Thomas Statistical Science Henry Alexander Thornton Biological Sciences Katherine Nicole Tinch Anthropology Alexa Christine Vandenburg Biological Sciences Brianna Rae Vandenburg Biological Sciences

Xintian Wang Statistical Science Kurtis Samuel Weber Economics with Finance Applications

Dwight Dechard Williams, Jr. Economics with Finance Applications

Nicholas John Woodard Economics with Finance Applications

Xi Xue Economics Yizhe Yuan Mathematics Minaz A. Zad Biological Sciences; Health and Society Yu Zhang Economics; Mathematics

IN MEADOWS SCHOOL OF THE ARTS

DEGREE OF BACHELOR OF ARTS

Hannah Hassan Abu-eideh Film and Media Arts Isabel C. Arcellana Fashion Media; Journalism Olivia J. Beitelspacher Film and Media Arts Yanira Lizet Blackburn Journalism Benton Hale Brooke Film and Media Arts Julia Christine Cantu Music Adrian Jose Cervantes Music John Harrison Fiveash Advertising Gaelle Jeanne Gachelin Advertising Kaleigh Morgan Gallant Music David Vann Garcia Film and Media Arts Maria Paulina Guraieb Abella Art History Collin Joseph Higgins Advertising

Hillery LeeAnn Lemon Advertising; Fashion Media Ethan William Leong Music

Maci Bre Mallahan Film and Media Arts Charles David Mitelhaus II Journalism Mary Angeles Monroy Art

Cassidy Jana Najarian Advertising; Journalism Ashni Pabley Public Relations and Strategic Communication

Kathleen Mason Ranallo Music Fatima Reyna Fashion Media; Journalism Brenda Saray Rivera Franco Advertising Barbara Hairston Roberson Art

Erin Ashling Robinson Advertising Malayah Lejune Stewart Fashion Media John Carter Sullivan Journalism Madeline Jean Warren Advertising Olivia Jeanette West Fashion Media Zachary Alan Wilson Public Relations and Strategic Communication Priya Lahiri Young Corporate Communication

and Public Affairs Phillip Xavier Zotos Journalism

DEGREE OF BACHELOR OF FINE ARTS

Ian Thomas Grieve Art Noah I. Heller Theatre

Joshua Theodore Jalowiec Art Jaehyung Kim Art

Mason Robert King Theatre Chloe Scout Nix Art

DEGREE OF BACHELOR OF MUSIC

Rachel Ern-Yi Gan Music Therapy Lea Faye Hobbie Music Therapy

Zane Robert Mallett Harp Performance; Music

Jordan Nicole Tenpas Music Therapy

IN EDWIN L. COX SCHOOL OF BUSINESS

DEGREE OF BACHELOR OF BUSINESS ADMINISTRATION

Joseph Lewis Abell Management Samuel Olabode Adebayo Management Nasser Muhsen Luwaihi Al Zafna Alefari Finance

Mirelle Asad Management Amber Megan Austin Marketing Barrett Layton Beauchamp Real Estate Kyle Joseph Becker Management Bo Drebon Beidleman Finance Isabella Mary Ann Bernardini Marketing Julia Christine Cantu Finance Katherine Herron Carlton Real Estate

Jae Young Choi Finance Valerie Del Carmen Contreras - Gomez Marketing

Ryan Joseph Coyle Finance Derrick Norman Deraleau Finance Katie Nicole Dickerman Marketing Ashley Nichole Eisenkramer Finance Dominique Nadine Ella Mongo Finance Jackson Andrew Galyardt Finance Priscilla Sandra Garza Finance Shawn Chandler Graybill Finance

Chloe Eileen Hancock Marketing Micheal Harpe General Business Yawen He Accounting Tyler W. Heimert-Train Finance Hannah Lynn Hess Accounting Thomas John Kalb, Jr. Financial Consulting Vivienne Birthe Alida Kulicke Management Sang Jin Lee Accounting Luke Lee Letsche Finance Zivuan Li Accounting Dishan Liao Finance Zaid Hussein Mahrouq Finance Stefan Martinez Ballen Marketing Lauren Christine Mezzanotte Finance Gregory Michael Miller Finance Sung Chan Na Accounting Thien Thong Nguyen Finance Paul Richard Normand General Business Michael John O'Keefe Finance Nicolas Ernesto Olivares Alvarado Finance Philip John Ponder Management Miranda Reese Rockhold Finance

Mathew Romero Finance

Nicole Lyn Shah Finance Jack Thomas Snyder Financial Consulting William Easley Stebbins Real Estate Alexander Scott Stoller Accounting Vanessa Mariana Storaci Accounting Habteab Dawit Tesfagiorgis Accounting Cole Michael Thomas Financial Consulting Trevor Hayden Thompson Marketing Hiep Duc Tran General Business Tiffany Thuylinh Tran Marketing William Anderson Turley Finance Keara Mary Tuttle General Business George Robert Van Bortel Finance Dylan Ross Wallace Finance Xi Wang Finance Skylar Wasserman Marketing Kyle David Weber Finance Ryan Emerson Weiss Real Estate Yilin Wen Accounting Nicholas E. Whiteley General Business Logan Mitchell Young Finance Liwen Zhu Accounting

IN BOBBY B. LYLE SCHOOL OF ENGINEERING

DEGREE OF BACHELOR OF ARTS

Haya Khalid A Alhumaid Computer Science Jackson Andrew Galyardt Computer Science

DEGREE OF BACHELOR OF SCIENCE

Sunjoli Aggarwal Computer Science Arely Alcantara Computer Science

Javier Andrés Aldape Romero Management Science Olivia Katherine Anderson Management Science Zachary Harry Banducci Computer Science Samantha Denice Glasford Computer Science Roberta Maldonado Sistos Management Science Jack Thomas Snyder Management Science

DEGREE OF BACHELOR OF SCIENCE IN CIVIL ENGINEERING

Peter Giles Barney Thelma Aiteseme Imouokhome Omongiade Gerald Okunsebor Jessica Elaine Benitez Lauren Eileen Mills Jonathan Tebbetts Williamson

DEGREE OF BACHELOR OF SCIENCE IN COMPUTER ENGINEERING

Clayton Alexander Harper Adrian R. McClure

DEGREE OF BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING

Ifeanyi George Achu Matthew Edward Stern Yizhe Yuan

Ankur Navnitkumar Patel Jacob Andrew Woodruff

Degree of Bachelor of Science in Environmental Engineering

Kim Thien Ho Madissen P. Robinson Hannah Aston Rutty

DEGREE OF BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING

Ahmed Abdulghani A. Aljishi Nicholas Christopher Hoffmann Parker Winchester Smith

Genesis M. Arroyo Zhiyao Hu Yidi Sun

Thomas Barron Ethan William Leong Haley Miranda Tripp
Matthew Alexander Cinelli Delaney Mattea Mansfield Woodrow L. Watson

Alejandro Dominguez Garcia Spencer T. Meyer

IN ANNETTE CALDWELL SIMMONS SCHOOL OF EDUCATION AND HUMAN DEVELOPMENT

DEGREE OF BACHELOR OF SCIENCE

Ryan James Becker Brooke Franzine Kuempel Julian Dockery Clark Taylor Addison Hope Brown Garrett Allen McLaughlin Alexis Taylor Thornton Gianna Lucille Cancellieri Brandon Mark Niven Karina Lynn Traxler Audrey Nicole Forkner Erick Anthony Pecina Taylor Ann Turner Myron Dominque Gailliard Corey L. Rau Matthew Cole Zimmerman

Boston Spencer Gilbert James Charles Sackville

August 2019

RECIPIENTS OF DEGREES

IN DEDMAN COLLEGE OF HUMANITIES AND SCIENCES

Degree of Doctor of Philosophy

Weiwei An Chemistry

B.Engr. Beijing Institute of Graphic Communication

Dissertation: "Chemiluminescence Imaging Probes for Quantification of

HNO and pH"

Adviser: Alexander Ryan Lippert

Rose Ashraf *Psychology*BS University of Texas, Dallas

Dissertation: "Measurement Equivalence of Ethnic Identity Across Four

Ethnic Groups"

Adviser: George W. Holden

The December portion of the program contains names of candidates for degrees and honors. Inclusion in the program does not constitute evidence of completion of degrees and honors requirements.

Scot Christian Bontrager Religious Studies

BA University of North Texas

Dissertation: "Augustine's Concept of Volition and its Significance for the Doctrine of Original Sin"

Adviser: William J. Abraham

Jiahui Chen Computational and Applied Mathematics

BS Xi'An Jiaotong University, China MS Southern Methodist University

Dissertation: "Parallel Multipole Expansion Algorithms and their Biology Applications"

Adviser: Weihua Geng

Matthew Carl Feickert Physics

BS University of Illinois, Urbana

MA University of Virginia

Dissertation: "A Search for Boosted Low Mass Resonances Decaying to the bb-bar Final State and Produced in Association with a Jet at sqrt(s) = 13TeV with the ATLAS Detector"

Adviser: Stephen Jacob Sekula

Whitney Annette Goodwin Anthropology

BA College of Wooster

MA University of South Florida

Dissertation: "Communities of Consumption on the Southeastern Mesoamerican Border: Style, Feasting, and Identity Negotiation in

Prehispanic Northeast Honduras" Adviser: Brigitte Kovacevich

Daniel M. Jardin Physics

BS Syracuse University

Dissertation: "A Likelihood Search for Low-mass Dark Matter via Inelastic

Scattering in SuperCDMS" Adviser: Jodi Ann Cooley-Sekula

Dateng Li Statistical Science

BS Oklahoma State University

Dissertation: "Sample Size Calculation Methods for Some Longitudinal and

Cluster Randomized Studies"

Adviser: Jing Cao

Shuang Li Statistical Science

BS University of Utah

Dissertation: "Clinical Trial Design and Analysis"

Adviser: Daniel Francis Heitjan

Grace Boyers McKee Psychology

BS University of Mary Washington

MA Appalachian State University

MA Southern Methodist University

Dissertation: "Patterns of Change in Relationship Satisfaction During Couple

Therapy for Veterans" Adviser: Lorelei Simpson Rowe

Mary E. Milleson Geology

BS Southern Methodist University

Dissertation: "Geochemical Analysis of Soil and Lake Deposits as Indicators of Paleoenvironmental Conditions; Examples from Texas, New Mexico,

and D.R. Congo" Adviser: Neil J. Tabor

Cheryl Rae Strimple Religious Studies

BA Texas Christian University

Dissertation: "And They Shall Eat Until They Are Satisfied: "Critical Disability Theory and Widows, Orphans, Aliens, and Levites in the Book of Deuteronomy"

Adviser: Roy L. Heller

Nicole Le Vu Psychology

University of Texas, Dallas

Dissertation: "Does the Cessation of Intimate Partner Violence Lead to Improvements in Child Adjustment?"

Adviser: Ernest Jouriles.

Jijia Wang Biostatistics

MS Texas Tech University

Dissertation: "Robust and Adaptive Design Approaches for Stepped Wedge Cluster Randomized Trials"

Adviser: Song Zhang

Keping Xie Physics

BS Peking University, China

Dissertation: "Massive Elementary Particles in the Standard Model and its Supersymmetric Triplet Higgs Extension"

Adviser: Pavel M. Nadolsky

IN BORRY B. LYLE SCHOOL OF ENGINEERING

DEGREE OF DOCTOR OF PHILOSOPHY

Khalid Suliman Alluhydan Mechanical Engineering

BSME MSME Southern Methodist University Dissertation: "Investigation of Fundamental Principles of Rigid Body Impact Mechanics" Adviser: Yildirim Hurmuzlu

Adviser: Ali Beskok

Anil Koklu Mechanical Engineering BSME Istanbul Technical University, Turkey MSME Southern Methodist University Dissertation: "Investigation of Electrode Polarization Effect for Biosensor Applications" Angelika Leskovskaya Operations Research MA Belorussian State University

Dissertation: "Extreme-point Tabu Search Heuristics for Fixed-Charged Generalized

Network Problems" Adviser: Richard S. Barr

Amin Mansoorifar Mechanical Engineering BSME MSME Shiraz University Dissertation: "Impedance-Based Microfluidic Platform for Quantitative Biology"

Adviser: Ali Beskok

In Annette Caldwell Simmons School of Education and Human Development

DEGREE OF DOCTOR OF LIBERAL STUDIES

Khalil Abdur-Rashid

BSW Georgia State University MA MPhil Columbia University

Dissertation: "The Impact of the Black American Sunni Muslim Community on the American

Muslim Community as a Whole since

Malcolm X, 1964-2016"

Adviser: Robert Hunt

IN PERKINS SCHOOL OF THEOLOGY

DEGREE OF MASTER OF DIVINITY

Chase Hunter Burns Lee Tyson Riley Angela Williams
Magna Cum Laude

DEGREE OF MASTER OF SACRED MUSIC

Zachary William Light-Wells

Magna Cum Laude

DEGREE OF MASTER OF ARTS IN MINISTRY

Karen Joy Eaker
Cum Laude

DEGREE OF MASTER OF THEOLOGY

Glenn J. Johnson

IN DEDMAN SCHOOL OF LAW

DEGREE OF JURIS DOCTOR

Tiffany R. Crawford Samantha Leigh Gaiss Yuan Gao John Kenneth Harper Samuel G. Hughey Trenton K. Patterson Anna Stevens

IN DEDMAN COLLEGE OF HUMANITIES AND SCIENCES

DEGREE OF MASTER OF ARTS

Adam Christopher Davies History

Aastha Gupta Economics

Emily Diane Johnson *Psychology*Thesis: "Evaluation of Web-Based My Voice,
My Choice for Decreasing Sexual Violence
Victimization in College Women"

Nathan Patrick McCabe English
Katelyn Danielle McWilliams English
James Joshua Phillips History
Timothy Ashton Reynolds History
Thesis: "Broken Households: Black and V

Thesis: "Broken Households: Black and White Baptists and Methodist in Transition in Post-Emancipation Texas" Elizabeth Bingham Thomas Anthropology Jordan Gabrielle Wondrack Anthropology

DEGREE OF MASTER OF SCIENCE

Nathan Alexander Drolet Molecular and Cell Biology

Thesis: "Peroxiredoxin 6 and Phospholipids in Alzheimer's Disease"

John D. Fortner Geology

Thesis: "Assessing Diagenetic Conditions in the Late Triassic Chinle Formation through Petrographic and Geochemical Analysis of Phytosaur Teeth"

IN MEADOWS SCHOOL OF THE ARTS

DEGREE OF MASTER OF ARTS

Julia Frances Farina Arts Management Austin Flores Film and Media Arts

DEGREE OF MASTER OF MUSIC

Hunter Morgan Bown Music Education Steven Hugh Moss Music Education Conrad Kwong Yiu Li Advertising Zhongyu Li Film and Media Arts

Kathryn Elizabeth Scheetz Musicology
Thesis: "Charles-Marie Widor's Symphonic
Romane: An Examination of the Performance
Tradition"

Cain Edward Miller Film and Media Arts Hannah Brighton Smith Advertising

IN EDWIN L. COX SCHOOL OF BUSINESS

DEGREE OF MASTER OF BUSINESS ADMINISTRATION

Elissa Joy Ammon General Business

Chhitiz Basnet Finance

Zachary E. Bearson Marketing Dylan Morris Brooks Marketing

David King Carey Strategy & Entrepreneurship

Veronica Castro Management; Strategy & Entrepreneurship

Jonathan Chico Chang General Business Zachary Scott Clyde General Business

Jaime Nicole Collins Information and Operations

Audrey Catherine Cox Strategy &

Entrepreneurship

Tyler Harris Dowdy General Business

Ashley Lindsey Early Real Estate

Connor J. Eska General Business

Ryan Patrick Felde Business Analytics

Jessica Lynn Groshek Finance

Meghan Elizabeth Hanna General Business

Philip Edward Harms Strategy &

Entrepreneurship

John Kenneth Harper Finance Kamron Baron Hedrick Strategy ぐ

Entrepreneurship

André J. Horton General Business Benjamin Joseph Hough Finance

Samuel G. Hughey Business Analytics; Strategy & Entrepreneurship

Timothy Solomon Hunt General Business Lauren Brooke Johnston Strategy & Entrepreneurship

Tyler M. Jones General Business William Wallace Lawson Finance

Andrew Segun Lee Strategy & Entrepreneurship

John Taylor Lee Finance

John Bryan Loy General Business

Margaret Mary Luttrell General Business Kevin Jean-Christophe Mattice Strategy & Entrepreneurship

Abby Warrington Mayer Management Ionathan Evan McClellan Finance

Nathan Omid Moavvad Management: Strategy & Entrepreneurship

Alexander John Munoz General Business Grayson Andrew Nastri Finance; Real Estate

Serge Tchio Noumbet Finance

Nathan Michael Pace General Business Nimish Dinesh Pandya Finance Roberto Robles Nacif General Business Anthony J. Ruggiere General Business John Richard Rutherford General Business Morgan Leigh Schadegg General Business Thomas John Schadegg General Business Christina Sepideh Shams Strategy & Entrepreneurship

Jacob Michael Sigler General Business Ajayjeet Singh General Business Brittany Rae Smith Management Ashok Ranganath Subramanian Finance; Real

Shawn Michael Talucci Finance **Jerry Preston Taylor** Finance Daniel Sunren U. Business Analytics Mattson Holt Uihlein Finance Adam Scott Visosky Finance Matthew Wilson Finance; Real Estate Johnnie Otis Yellock II Strategy ぐ

Entrepreneurship

Yida Zhou

DEGREE OF MASTER OF SCIENCE IN ACCOUNTING

Joel J. Truelson Yun Xie

Degree of Master of Science in Business Analytics

Reed Christopher Michalek

DEGREE OF MASTER OF SCIENCE IN FINANCE

Alexander T. Lamar

Zehuan Xu

DEGREE OF MASTER OF SCIENCE IN MANAGEMENT

Mary Hilliard Larkin

IN BORRY B. LYLE SCHOOL OF ENGINEERING

DEGREE OF MASTER OF ARTS

Andrea Sofia Bastidas Vivar Sustainability and Development

DEGREE OF MASTER OF SCIENCE

Smriti Anil Agarwal Telecommunications and Network Engineering

Meshari Ali A. Alsultan Security Engineering Richard Bryan Casarez Systems Engineering

Liyuan Du Computer Science Robert William Ebelherr Software Engineering Jiaqi Song Operations Research Pamela Stockland Systems Engineering

Oscar Alexander Vallner Computer Science Robert Christopher Vera Systems Engineering Brittni Lauren Watkins Computer Science Qianyou Zhou Computer Science

DEGREE OF MASTER OF SCIENCE IN CIVIL ENGINEERING

Alexis Victoria Stewart

DEGREE OF MASTER OF SCIENCE IN ELECTRICAL ENGINEERING

Tao Fu

Thesis: "High Speed Successive Approximation Register (SAR) ADC Design With Multiple Comparators"

DEGREE OF MASTER OF SCIENCE IN ENGINEERING MANAGEMENT

Meshari Ali A. Alsultan Vipula Vijav Deshmukh Shalini Dinesh

DEGREE OF MASTER OF SCIENCE IN ENVIRONMENTAL ENGINEERING

Hao Ling

DEGREE OF MASTER OF SCIENCE IN INFORMATION ENGINEERING MANAGEMENT

Jake Ryan Zink

DEGREE OF MASTER OF SCIENCE IN MECHANICAL ENGINEERING

Austin P. Flanagan Yuan Ren

IN ANNETTE CALDWELL SIMMONS SCHOOL OF EDUCATION AND HUMAN DEVELOPMENT

Degree of Master of Arts in Dispute Resolution

Ranim Algwaider Karalee Ann Hinz Donald R. Rawlins Geneva Gadberry Burnap Alison MaryJo Jarzombek Caitlin Elise Robb Tammy Moss Cartier Laura Ann Johnson **Iardin Lee Stanton** Myriah Elizza Ford Mary Ann Johnson Margaret Stein Stan R. Heston Tequila Chantez Little Gregg Scott Suttle

DEGREE OF MASTER OF BILINGUAL EDUCATION

Marta Lucía Beltrán Espitia Yesenia Jacquelinne Dominguez Lopez **Kymberly Winegard**

DEGREE OF MASTER OF EDUCATION

Alaina Lynch Atwood Jalen Lamont Hemphill Educational Leadership Lauren Alexandra O'Connor

LuChana Christine Avers Lena Rose Hilbert Pyungwha Oh Alexis Baranoff Mackenzie Elizabeth Horne Andrew Parambath Kelsey Belden James Anthony Hutchison Educational Jonathon Pegues Educational Leadership

Collin Bell Faviola Pena Soriano Educational Leadership Leadership Paige Benyacoub Educational Leadership Cecelia Louise Joslin Alexis Brianne Rocha

Kelly Bluth Priscillah Ndunde Kapten Educational Roxanne Marie Saenz Educational Leadership

Michelle Victoria Byrd Leadership Sreevidya Sethumadhavan Educational Kristopher Michael Caram Educational Olivia Vier Kerans Leadership

Leadership Caitlin Knoll Educational Leadership Chadwick Smith Grace Sarah Chang Hanicia Terry Ki Bok Lee Educational Leadership Susan Coran Malaysia Lee Erika Julissa Vigil Educational Leadership

Lauren Michelle Crow **Emily Ann Waneck** Liliana Mata Halie Alicia Welsh **Beatrice Effiong** Shante Jeniece McCoy Anthony Dionte Guerrero Educational Barbara Ann McGinley Madeline Nash Whitacre

Leadership Caroline Grace Merck Margaret Rivers Wilbanks Angelina Gutierrez Educational Leadership Tyler Morgan Wilkerson Educational Leadership Maria Montova

Shelby Taylor Hague Edith Moreno Madeline Rae Wittich

Elizabeth Clark Halasz Anne Marie Murphy Stephen Marc Wood Educational Leadership

Tatum Hammond John Phillip Yurco Emily R. Murphy

DEGREE OF MASTER OF LIBERAL STUDIES

Sam Skillern Leake Alexandra Nicole Polanchyck Melany Vargas Valencia

Kristy Offenburger Vanessa Elizabeth Valadez

DEGREE OF MASTER OF SCIENCE IN COUNSELING

Jason Volden Anderson Kerri Irma Heintz Daniel Alejandro Rodriguez Kara Emily Bradshaw Cassidy Brook Hudson Tyler Azalea Turner

Mariaa-Annette Christma Castaneda Sarah F. Luce Abby Kate Hartman Julie Marie Pate

DEGREE OF MASTER OF SCIENCE IN SPORT MANAGEMENT

Yara Elias Barghout Andrew Willis Guarino Kathryn Jo O'Bryan Klara Eva Bradshaw Kaitlyn Kearney Gabriel Vega Timothy D. Garcia Brittany Alexandria Mebust Daniel Westerfield

IN RESEARCH AND GRADUATE STUDIES

DEGREE OF MASTER OF SCIENCE IN DATA SCIENCE

Meenu Ahluwalia Iram Bakhtiar Laura Veith Bishop

Ernesto Ivan Carrera Ruvalcaba

Travis Robert Deason Ramin Farhanian Robert Daniel Flamenbaum Antonio Peña Garza III Dana Pike Geislinger Shanqing Gu

James Scott Herford Bruce Philip Kimbark Yejur Singh Kunwar Jeffrey Jude Lancon Jason Guyssan Lin Jason Irl Lingle Melissa Luzardo Korey Macvittie Jonathan Marin Steven Millett

Asha Pournami Mohan Christopher David Morgan Rangaswamy Nagarajan Manisha Amol Pednekar Thomas Pompo Nuoya Kang Rezsonya Caroll Rodriguez Frank Sclafani Andrew Shen Afreen Siddiqui

William Mccord Thigpen

Nathan Wall Yisha Wang Kim Wong Bin Yu

IN DEDMAN COLLEGE OF HUMANITIES AND SCIENCES

DEGREE OF BACHELOR OF ARTS

Marhoon Mohammed M. Al Marhoon *Economics*

Aysialali N. Beal History Karina Becerra Anthropology Magna Cum Laude

Adam James Bixby History; Political Science Adam Frank Campbell Markets and Culture

Rachel Elizabeth Cannon Philosophy
Sarah L. Colley English with a Creatin

Sarah L. Colley English with a Creative Writing Specialization

Hannah Elizabeth Dart English with a Creative Writing Specialization Departmental Distinction

Petros Stavros Daskalos Philosophy

Robert Gerard Fortin Economics; Markets and Culture

Armanii Rashawn Glaspie Sociology Gabriella Grace Gonzalez Philosophy Hannah Elizabeth Gooch Markets and Culture Emma Cate Graham Psychology

Fabian Brandon Gregorio Economics Crystal Anabel Guevara Political Science

Lauren M. Gutierrez History Brooke Monet Haines Economics

Amelia Catherine Elizabeth Hannes Markets and Culture; Sociology

Harrison Pierce Higgins Economics Eric Raymond Hudkins History; Philosophy

Asad Hussain Jiwani Economics

Culture

Ian Joseph Kearns International Studies; Political Science

Katherine Grace Kuechler Economics Elizabeth Jane Lowder Markets and Culture Mallory Brynn Mcminn Anthropology Matthew Humphreys Mendoza Markets and

Hadleigh Anne-Michelle Nelson Psychology

Toluwalase P. Olawale French Studies; International Studies

Rafael Onrubia Fernandini Economics James Anderson Proche Sociology

Robert Richardson French Clinton Lamar Roberson Sociology

Sabreena Nneka Robinson French Studies; International Studies

Kevin Ismael Robledo Sociology

Keviii Isiliael Kobledo Sotto

Kun Sang Economics

Farecha Shabbir International Studies

Yuvraj Surya Singh Economics

Thomas Phillip Tibbetts V Economics

Tasha Aliria Tran Psychology

Jorawar Singh Virk Biological Sciences

Zixuan Wei Economics

Braeden Mikal West Markets and Culture Lidya Hutchison Winnie Markets and Culture

Kunpeng Yang Economics

DEGREE OF BACHELOR OF SCIENCE

Andrew Taylor Apple Mathematics Jett Justine Ballou-Crawford Biochemistry Magna Cum Laude

Ben William Bradley Geology

Samantha Elizabeth Gober Cosgrove Economics with Finance Applications

Robert Paul Dalton Biological Sciences; Environmental Sciences

Honors in Liberal Arts

Hannah Marie Eilers Economics with Finance
Applications

James French Ellison Economics with Finance
Applications

Qinwen Fang Economics

Jacob John Filiatrault Economics with Finance Applications

Mickey Coleman Glover Biological Sciences Andrew Thomas Henry Biological Sciences Jiting Huang Mathematics

Bethel Degene Kumsa Biochemistry; Sociology Katherine Lauren Kushner Biological Sciences

Rosalee I. Lawson Health and Society Cum Laude

Clifford Gerard Loomis Economics with Finance Applications

David H. Melsheimer Economics with Finance Applications

Kane Anthony Norman Mathematics Magna Cum Laude

John Blass O'Neill Mathematics

Mitchell Pomeroy Russell Economics with Finance Applications

Zachary Jon Thibodeau Economics with Finance Applications

Zixuan Wei Statistical Science

Kunpeng Yang Statistical Science

Yaohua Yang Economics with Finance Applications
Baolu Yu Economics with Finance Applications;
Mathematics

Alexander E. Zissis Economics with Finance Applications

IN MEADOWS SCHOOL OF THE ARTS

Degree of Bachelor of Arts

Yvena Chowdhury Fashion Media
Jake Carl Eichstaedt Journalism
Roshaun C. Higgins Journalism
Erica Ray Lewis Corporate Communication and
Public Affairs

John Russell Niederer Journalism Albert Sheppard Perry Film and Media Arts Alessandra Victoria Quintero Fashion Media; Journalism

Haylee Jean Segura Public Relations and Strategic Communication

Jeremiah Christopher Stewart Corporate Communication and Public Affairs Isabelle Caitlin Terry Public Relations and Strategic Communication

Alexandria Aleece Trahan Corporate Communication and Public Affairs Tasha Aliria Tran Film and Media Arts DEGREE OF BACHELOR OF FINE ARTS

Alizah Marie Wilson Dance Performance

DEGREE OF BACHELOR OF MUSIC

Caitlyn Elizabeth Etter Music Therapy
Grace Tian-hui Kuang Music Therapy
Magna Cum Laude and Honors in Liberal Arts

Yooboo Park Music Therapy Hyun Ah Shin Music Therapy

IN EDWIN L. COX SCHOOL OF BUSINESS

Degree of Bachelor of Business Administration

Jack Briton Cahill Finance Brigitte Kyla Cakarnis Marketing Samuel Avis Dunkelberg Accounting

Kyle Heller Finance

Noel Edward Marian Finance

Mikial Dylan Onu General Business
Jillian Grace Owens Accounting
Robert Richardson Accounting
Adam Mcclary Shiffer Real Estate
Nathan Thomas Van Slyke Accounting

Blake Preston Wynott Real Estate Cum Laude

Natalie Elizabeth Yablon Marketing

IN BOBBY B. LYLE SCHOOL OF ENGINEERING

DEGREE OF BACHELOR OF ARTS

Richard Allen Simon Computer Science

DEGREE OF BACHELOR OF SCIENCE

Jeremy Jacob Brachle Computer Science Thomas Connor Kennedy Computer Science Daniel David Mattka Computer Science Sanath Rao Puskoor Management Science Lucas Stevenson Wood Computer Science

DEGREE OF BACHELOR OF SCIENCE IN CIVIL ENGINEERING

Meshal Swilem S. Almasoudi

DEGREE OF BACHELOR OF SCIENCE IN COMPUTER ENGINEERING

William Jackson Byrne Lacey

DEGREE OF BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING

Andrew Taylor Apple Cooper Hei-Yen Mak Eric R. Schott

DEGREE OF BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING

Collin Dalton Edwards Austin P. Flanagan Karina Leigh Hanna William Heydar Heidarian Isabela Natalia Lacayo Wallace Patrick Thien Nguyen John Blass O'Neill Brendan Charles Reynolds Zane Anthony Smith Lucas Gallagher VanDyke

SMU Engaged Learning Fellowship Projects: November 15, 2019

Students listed are candidates for undergraduate degrees in December 2019. For more information, visit **smu.edu/provost/engagedlearning**.

Kim Ho, Feasibility Assessment of Biogas Production in Refugee Camps

Tristan Knotts, Intellisec

Susanna Pool, Intellisec

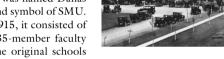
Parker Smith, Formula SAE Rear Sub Frame Design

Katherine Tinch, Ecodisposition, Waste, and Environment: Sustainable Options in Funerals and Disposition

Haley Tripp, Wearable Technology to Monitor Lumbar Range of Motion in Dancers

SOUTHERN METHODIST UNIVERSITY

In 1911, a Methodist education commission made a commitment to establish a major Methodist university in Texas. More than 600 acres of open prairie and \$300,000 pledged by a group of Dallas citizens secured the university for Dallas, and it was chartered as Southern Methodist University. In appreciation of the city's support, the first building to be constructed on the campus was named Dallas Hall. It remains the centerpiece and symbol of SMU. When the University opened in 1915, it consisted of two buildings, 706 students, a 35-member faculty and total assets of \$636,540. The original schools



of SMU were the College of Arts and Sciences, the School of Theology and the School of Music.

Today SMU offers more than 118 undergraduate majors, master's degrees in more than 135 areas, Ph.D. degrees in 34 fields and more than 45 certificate programs. Enrollment for the fall 2019 term was 11,771, including 6,663 undergraduate students and 5,108 graduate students. SMU students come from 50 states, the District of Columbia, Puerto Rico and 84 countries. About 78 percent of first-year students received some form of financial assistance for fall 2019.

In addition to preparing students for graduate and professional schools, or more directly for their life's work, the University strives to enhance their

social, moral, intellectual and religious development so that they may lead worthy lives as individuals and citizens of the nation and of the world.

Academic Procession, Regalia Tradition and SMU Regalia

The academic procession and the regalia worn by the faculty and officers of the University symbolically represent the continuing link between the modern American university and the founding of the great medieval universities in Europe – chief among them Bologna, Paris and Oxford. As those institutions were derived from the Catholic Church, the universities adopted many of the ceremonial trappings of the church in their official public functions.

The caps and gowns worn in the procession vary from place to place. There are variations in design to indicate the degrees held by the wearers, and many universities in America have introduced colorful gowns and other distinguishing details (in place of the customary clerical black from which all originated). The caps, too, vary according to the customs of the university from which the wearer received a degree. While most American universities adopted the "mortarboard" style of Oxford, others have chosen styles based on other European institutions. The color of the tassel worn with the cap may be black for any degree, or the color may be that of the faculty of the major field of learning (e.g., Arts, Engineering, Law). Persons holding doctoral degrees and governing officials of institutions are entitled to wear tassels of gold metallic thread.

Within the great varieties of styles and colors in gowns and caps, there has been one universally accepted code for the hood worn trailing down the wearer's back. Originally, it was like the hood on the habit worn by monks and very useful for protection against the weather and even for begging for

alms. Nowadays, the hood, through length and color, shows the degree and the specialization of the wearer, and the university that granted the degree.

Candidates for degrees at SMU are robed in custom regalia, designed to incorporate SMU's colors and symbols.

The doctoral gown in dark blue includes velvet chevrons on each of the bell sleeves. The front velvet panels are embroidered in gold thread with the SMU seal, and gold braid outlines the chevrons and panels. An eight-sided, crimson-red velvet tam with a gold silk tassel completes the regalia.

The master's gown, also in dark blue, has a front yolk outlined in red braid, and the SMU seal is embroidered in red on the left side. Gowns have a long sleeve through a slit at the wrist. A mortarboard with a colored tassel representing the discipline in which the degree is earned also is worn.

Doctoral and master's candidates wear hoods that are $3\frac{1}{2}$ feet long and 4 feet long, respectively. SMU's hood lining is blue with a red chevron.

The bachelor's gowns' distinguishing characteristics are the long pointed sleeves and full front pleats. A red silk Stole of Gratitude embroidered in blue with the SMU seal is worn across the shoulders. It is tradition for graduates to present their stoles to individuals who have made a positive impact in their lives. Bachelor's gowns are worn with a tassel and mortarboard.

Through these colorful ceremonies, SMU symbolically displays the continuity of its educational purposes with the origins of organized learning in the Western world.

THE HOWARD LANTERN

The Howard Lantern is dedicated to Professor Lorn Lambier Howard, chief marshal emeritus of SMU from 1978-1987. Crafted out of steel, aluminum and water glass, the lantern depicts the Rotunda of Dallas Hall. Engraved around the base is the University's motto, Veritas Liberabit Vos, which means "The truth will make vou free."



Around the top band are the words to "Varsity," SMU's alma mater. The lantern serves as a reminder of the important traditions that make up our University life and the light of learning and intellectual curiosity that shines within the students, faculty and staff at

THE PRESIDENTIAL COLLAR AND MEDALLION

Chains of office, also known as collars, were used as badges of office in the Middle Ages. Today they are custom-designed metal necklaces worn by the president during academic ceremonies as part of his or her regalia.

The chain of office designed for the 10th president of SMU, R. Gerald Turner, is made of bronze, a strong and durable metal. The medallion of the necklace is dominated by the University seal

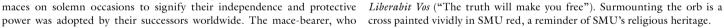


design, just as the seal is the centerpiece in the floor of the Rotunda in Dallas Hall, SMU's historic first building.

The bail, joining the medallion and the chain, represents the institution's bond between the faculty and the student body. Equally, the 32-inch chain, a work of art whose two ends are clasped together, represents the joining of the desire to teach and the eagerness to learn demonstrated by SMU's faculty and students.

THE UNIVERSITY MACE

Staffs that call groups to order are as old as civilization itself. Today's ceremonial maces descend particularly from medieval armor-piercing clubs topped by bludgeoning balls. These fierce weapons swiftly acquired symbolic meaning. By the 14th century, a mace, carried at the front of formal processions, required bystanders to note the authority and integrity of the event. In the 16th century, this formidable weapon lost its battle utility but took a symbolic turn: the spiked head evolved into a decorative orb. The European tradition by which universities presented





is the president of the Faculty Senate, leads formal ceremonies carrying this visible reminder of the University's history and status.

The 22-pound mace currently in use at SMU is linked to the inauguration of President Willis M. Tate (1954-1972 and 1974-75) and is known as the Tate Mace. The 57-inch staff is topped by a 10½-inch orb that represents not only the University's worldly authority but also echoes its distinctive neoclassical style. The orb is impressed with the seal of the University and is encircled with SMU's motto, Veritas

THE BRADLEY KENT CARTER BATON

The Bradley Kent Carter Baton is carried by the Chief Marshal during academic ceremonies and represents the authority of the collective faculty in the academic life of the institution and of the role of Chief Marshal as master of ceremonies at formal university convocations.

A tradition dating back 500 years to the University of Oxford, the Chief Marshal oversees the faculty members of the Guild of Marshals. Faculty marshals are responsible for the execution of the ceremony, the upholding of decorum and traditions, and the

processions of candidates, faculty and the platform party. SMU's marshals are identified by their bright red gowns with black chevrons.

The Carter Baton is dedicated to Associate Professor emeritus of Political Science and Chief Marshal emeritus Bradley Kent Carter, who served for



many years in the Guild of Marshals before serving as Chief Marshal from 1991-2008. Professor Carter is a staunch supporter of the traditions and customs of academic ceremonies, but also added his own mark in fostering a number of the traditions now celebrated.

Made from rosewood, the Carter Baton initially served as the University's first official academic ceremonial mace until it was replaced in 1954 by the Tate Mace, currently still in use. The orb of the Carter Baton bears the seal of SMU. In the fall of 2017, it was

refurbished with bronze bands honoring all known chief marshals in SMU's history. During the ceremony it is placed on a custom stand. The original designer and manufacturer of the baton are unknown. Refurbishment was completed by Medallic Art Company.





For more than 100 years, SMU has shaped minds, explored the frontiers of knowledge and fostered an entrepreneurial spirit in its eight degree-granting schools. Taking advantage of unbridled experiences on the University's beautiful campuses and SMU's relationship with Dallas - the dynamic center of one of the nation's fastest-growing regions - alumni, faculty and nearly 12,000 graduate and undergraduate students become ethical leaders in their professions and communities who change the world.