



COLLEGE OF ENGINEERING
LAMAR UNIVERSITY

COMMENCEMENT CEREMONY

MONTAGNE CENTER
SATURDAY, MAY 21, 2016

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Derina Holtzhausen, Ph.D.	Dean of Fine Arts and Communication
Kevin Dodson, Ph.D.	Dean of Reaud Honors College
David J. Carroll, M.L.S.	Director of Library Services



Dear Graduates of Spring 2016, Relatives and Friends:

On behalf of the Lamar University Administration, the College of Engineering Leadership Team and faculty and staff of your academic department, congratulations on achieving this very significant milestone in your life. Each of you have worked hard, made new friends, received guidance and support from family, University faculty and staff, and friends. This ceremony has three purposes: First is to formally celebrate your achievement. Second is to thank those who supported and helped you along the way, and finally, is to begin the next phase of your life where you will set new goals and pursue them with the same or even higher levels of dedication.

My challenge for you is to set the right goals. Set them high enough so that you must work both smart and hard to achieve them, and then feel that happiness that comes from seeing your hard work and excellent preparation pay off. It has been said many times that success is at the intersection of hard work and preparation.

In closing, I would ask that you maintain your ties to Lamar University. I encourage you to support your college through various activities, programs and scholarships and ask that you keep us updated on your many achievements to come.

A handwritten signature in black ink, appearing to read 'S. Palanki', with a horizontal line underneath.

Srinivas Palanki, Ph.D.
Dean



CEREMONY PROGRAM

Musical Prelude	Lamar University Brass Ensemble Scott Deppe, Ed.D. <i>Director of Bands</i>
Academic Processional*	Hsing-wei Chu, Ph.D. <i>Chair of Mechanical Engineering Piper Professor</i>
<i>Crown Imperial</i> Walton	Lamar University Brass Ensemble
The National Anthem* <i>The Star Spangled Banner</i> Francis Scott Key	Abigail Dueppen, M.M. <i>Assistant Professor of Voice</i>
Welcome/Introductions	Srinivas Palanki, Ph.D. <i>Dean</i>
Commencement Address	Anita Riddle, D.E. <i>Procurement Project Leader and Senior Advisor, ExxonMobil</i>
Undergraduate Address	Keeley Townley-Smith <i>Bachelor of Science Degree in Electrical Engineering and Physics</i>
Certification of Graduates	Srinivas Palanki, Ph.D.
Conferring of Degrees	Kenneth R. Evans, Ph.D. <i>President</i>

Presentation of Graduating
Class/Investiture of
Doctorates

Srinivas Palanki, Ph.D.

Announcement of
Graduates

Sujay Mahale
Doctoral Student
Department of Industrial Engineering

Manisha Patel
Undergraduate Student
*Dan F. Smith Department of Chemical
Engineering*

Presentation of Order of
the Engineer

Srinivas Palanki, Ph.D.

Evan Wujcik, Ph.D.
Assistant Professor

Concluding Remarks
and Awards

Srinivas Palanki, Ph.D.

Lamar University
Alma Mater*
G. Rhodes Smartt

Abigail Dueppen, M.M.

*Lamar to thee we're singing
Voices raised on high.
We will forever love thee
Laud thee to the sky.*

*We will ever need thee
As our guiding star.
To us you'll always be
Our glorious Lamar.*

Academic Recessional*

Hsing-wei Chu, Ph.D.

Please join us for an informal reception under the tent, located in front of the Montagne Center, following the ceremony.

*Audience please stand.

To maintain the dignity of the program, guests are requested to refrain from unnecessary noises (air horns, etc.) and movement during the ceremony.



COLLEGE OF ENGINEERING FACULTY

Srinivas Palanki, *Dean*
Victor Zaloom,
Associate Dean

Chemical Engineering

T. C. Ho, *Chair*
Tracy Benson
Tianxing Cai
Daniel Chen
David Cocke
John Gossage
Clayton Jeffryes
Daniel Knight
Peyton Richmond
Tao Wei
Evan Wujcik
Qiang Xu

Civil and Environmental Engineering

Robert Yuan, *Chair*
Nicholas Brake
Mien Jao
Jerry Lin
Qin Qian
Dan Su
Xing Wu
Hao Yang
Renzun Zhao

Electrical Engineering

Harley Myler, *Chair*
Reza Barzegaran
Koji Hirano
G.N. Reddy
Selahattin Sayil
Gleb Tcheslavski
Ruhai Wang
Hassan Zargarzede

Industrial Engineering

Brian Craig, *Chair*
James Curry
Xinyu Liu
Alberto Marquez
Mohammad Sima
Ezra Wari
Gary Yentzen

Mechanical Engineering

Hsing-wei Chu, *Chair*
Ali Beheshti
Paul Corder
Xuejun Fan
Ramesh Guduru
Xianchang Li
Monayem Mazumder
Chun-wei Yao
Jenny Zhou

FACULTY MARSHALS

Reza Barzegaran
Tracy Benson
Xinyu Liu

Dan Su
Ezra Wari
Xing Wu

Evan Wujcik
Hassan Zargarzede

DIRECTORS OF GRADUATION CEREMONY

David Short Jr., *Registrar*

Barbara Price, *Assistant Registrar*

DIRECTORS OF RECORDS & REGISTRATION

Summer Rather

Natasha Walker

GRADUATION COORDINATORS

Faye Johnnie-Soileau

Mildred Piert

THE ORDER OF THE ENGINEER

The Order of the Engineer is a national organization whose purpose is to foster a spirit of pride, individual integrity, and responsibility in the engineering profession. It promotes ethics and professionalism in the practice of engineering and bridges the gap between education and practice.

Membership is voluntary and open to seniors and graduate students in EAC of ABET-accredited engineering programs, graduate students enrolled in other engineering programs housed in departments that administer EAC of ABET-accredited undergraduate programs, graduates of EAC of ABET-accredited engineering programs, licensed professional engineers, members of the Canadian Calling, and special individuals.

As part of this ceremony, inductees take a solemn obligation to themselves to “uphold devotion to the standards and dignity of the engineering profession”.

Each inductee who accepts the obligation receives a stainless steel ring. The ring is to be worn on the fifth finger of the working hand. Inductees are encouraged to wear the ring and to display the signed obligation certificate as visible reminders of the publicly accepted obligation as a contract with themselves.

OBLIGATION OF AN ENGINEER

(The candidates read aloud the parts in bold italic type.)

I am an Engineer. In my profession I take deep pride. To it I owe solemn obligations. Since the Stone Age, human progress has been spurred by the engineering genius. Engineers have made usable nature’s vast resources of material and energy for humanity’s benefit. Engineers have vitalized and turned to practical use the principles of science and the means of technology. ***Were it not for the heritage of accumulated experience, my efforts would be feeble.***

As an Engineer, I pledge to practice integrity and fair dealing, tolerance and respect, and to uphold devotion to the standards and the dignity of my profession, conscious always that my skill carries with it the obligation to serve humanity by making the best use of Earth’s precious wealth.

As an Engineer, I shall participate in none but honest enterprises. When needed, my skill and knowledge shall be given without reservation for the public good. In the performance of duty and in fidelity to my profession, I shall give the utmost.





Originally from Bisbee, Arizona, Anita Riddle travelled with her family on summer vacations to her mother's home country of Chile, where she retains strong relationships with close relatives. Anita graduated as valedictorian from Safford High School, where she also served as Student Body President. Anita was selected one of two representatives from the State of Arizona at the 1980 National Youth Science Camp. That experience, coupled with her father's successful engineering career, inspired her to study engineering. She won a U.S. Army ROTC scholarship and attended Cornell University in Ithaca, New York. There she received a B.S. in Chemical Engineering and a Regular Army Commission. She spent seven years on active duty with three command positions in Explosive Ordnance Disposal and Transportation in the U.S. and Europe.

Upon leaving active duty, she started at the Mobil Beaumont Refinery in Texas in 1990, starting as a Process Engineer. It provided challenging engineering projects requiring teamwork with Process and Maintenance staff. She also completed two advanced degrees at Lamar University while working full time. Her 1996 Doctoral field study in Chemical Engineering at Lamar drove a significant improvement in the solvent extraction process at the Beaumont Refinery. She applied artificial neural network modeling technology to find new opportunities that grew product yields and improved energy efficiency with zero capital investment. She was soon promoted to Shift Superintendent, a leadership position on rotating shifts. Smooth refining operations depended on active listening, being inspired by shift staff, and learning to inspire others. In 1998 she was named Plant Manager for the Lubricant Refinery and in 1999 moved to Chicago as Manager of Midwest Fuels Supply.

Throughout her career, ExxonMobil has capitalized on Anita's skills and interests. A passionate advocate for social responsibility, Anita served as Senior Advisor for Environment at our Corporate Headquarters in Irving, Texas. She founded ExxonMobil's Corporate Citizenship Report and worked with international peers for improved public reporting. She served in global managerial roles within ExxonMobil Procurement while in Fairfax, Virginia. Her current role in Spring, Texas is another perfect fit—as Data Scientist and Senior Advisor in Procurement. Drawing on experience with engineering problem solving, leadership, and a love of data, Anita is a decorated innovator within ExxonMobil. "My father once told me, 'Don't go to work to get ahead. Go to get the work done extremely well, and a great career will follow.' I truly believe that, and I pass that advice along to the people I mentor." Anita also strongly believes "Everyone can do something amazing. It's a leader's job to not get in their way."

Anita is blessed with a wonderful family. Her husband, Dr. Steven Schmidt, is an Environmental Remediation Manager at ExxonMobil. They have two daughters, Sierra, age 13, and Christine, age 10. Together they enjoy travel, snow skiing, volleyball, hiking, camping and Girl Scouting. Anita's greatest joys come from being a mother, coaching, and volunteering. Anita will tell you, "Life isn't about you. It's about what you give."



Keeley Townley-Smith is a graduate of Lumberton High School and is currently pursuing a Bachelor of Science Degree in Electrical Engineering and Physics at Lamar University. She has served as a Lamar University Ambassador and is a member of the Reaud Honors College. She serves as President of the Society of Physics Students and has served as Secretary in Rotaract.

Keeley interned as an Electrical Engineering Intern at Huntsmann PNPP where she tested the safety logic for their PLCs in an ethylene oxide unit. In 2013, she joined the STAIRSTEP program for undergraduate research where she conducted research in emission and absorption spectroscopy, blackbody radiation, and polarization of light. Keeley was selected as a 2014 Goldwater Scholar in recognition of her research done through the STAIRSTEP program and the research she would have completed under her Beck Fellowship. As a 2014 Beck Fellow, Keeley interned at the National Institute of Standards and Technology in Gaithersburg, MD where she fit atomic spectral lines to obtain more information about the atomic structure of manganese ions. In 2015, Keeley returned to the institute and gathered more atomic data in the ultraviolet region of the electromagnetic spectrum of titanium ions and prepared a linelist for energy level optimization and identification. She plans to continue her research in atomic spectroscopy a third summer at NIST.

Keeley has also participated in the McNair Scholars program and in the Office of Undergraduate Research, presenting her research in atomic spectroscopy at the Undergraduate Research Day at the Capital.

Upon graduation, Keeley plans to pursue a Ph.D. in Optics at the University of Rochester.



DOCTOR OF PHILOSOPHY IN CHEMICAL ENGINEERING

Ziyuan Wang
Shujing Zhang

DOCTOR OF ENGINEERING IN INDUSTRIAL ENGINEERING

Chinar Kishore Potnis

MASTER OF ENGINEERING SCIENCE IN CHEMICAL ENGINEERING

Adarsh Pradip Bafana
Md. Tariqul Islam
Akshay Umesh Jagtap
Sakshi Babulal Yadav

MASTER OF ENGINEERING IN CHEMICAL ENGINEERING

Shashank Aryasomyajula Rao
Deepak Narendrakumar Awhad
Shiva Krishna Burra
Dijala O. Feludu
Sai Siri Gollapudi
Shohrab Hossain
Zhiyang Huang
Vinayak Ravinandan Oza
Sunil Kumar Racha
Dilip Sharief Shalk
Jaipal Reddy Varigireddy

MASTER OF ENGINEERING SCIENCE IN CIVIL ENGINEERING

Aesha Lalitkumar Mehta

MASTER OF ENGINEERING IN CIVIL ENGINEERING

Anurag Krishna Addala
Prashanth Reddy Bolla
Prashanth Babu Kodurupaka
Anita Lama
Sai Krishna Manda
Sai Phani Chandra Rohith Modali
Abdul Rahman Mohammed
Kranti Chetan Paandi
Mohammad Shahnawaz
Tejaswini Tadi

MASTER OF SCIENCE IN ENVIRONMENTAL ENGINEERING

Arun Kumar Earpula
Md. Shafiuddin Shatu

MASTER OF SCIENCE IN ENVIRONMENTAL STUDIES

Umair Ashfaq

MASTER OF ENGINEERING SCIENCE IN ELECTRICAL ENGINEERING

Md Reshad Ul Hoque
Anita Ehinomen Igberaese
Kazi Aminul Islam

Archit Hitesh Shah
Samin Sifat Sobhani
Sharmin Sultana
Jiaxiang Tang

MASTER OF ENGINEERING IN ELECTRICAL ENGINEERING

Adharsh John Chundammanal
Adithya Gudapati
Bhargava Movva
Koushik Reddy Mudireddy
Phanikrishna Narra
Rahul Varma Poosapati
Saikrishna Racharla
Pramod Kumar Sapireddy
Anthony Quinn Simon
Yash Harshadbhai Tanna

MASTER OF ENGINEERING IN INDUSTRIAL ENGINEERING

Alekhya Arnepalli
Suraj Kumar Atluri
Venkata Nagarjuna Raju Chiluvuri
Deepak Duggineni
Ranjith Kumar Gandhi
Jayachander Reddy Kandakatla
Anil Kumar Komatineni
Mouna Chandra Konidhina
Varshith Tagore Korrapati
Krishna Chaitanya Kurra
Varun Kusuma
Venkata Dheeraj Mudapaka
Abhilash Reddy Pathuri
Siva Krishnam Raju Penumatsa
Martin Dang Tran
Ravi Kiran Vanukuru

MASTER OF ENGINEERING MANAGEMENT

Praveen Kumar Reddy
Annapureddy
Ranjith Basani
Jessica Laveta Farr
Shalini Gundu
Harshang Manoj Jiyavia
Lokesh Kanakamedala
Sushma Kodidala
Puja Rajaram Mahtole
Bargow Mani
Sasidhar Reddy Maramreddy
Owais Ahmed Mohammed
Vaishnavi Purushottam Sattigeri
Lucky Singh
Rakesh Singh Thakur
Samanthkumar Yarlagadda
Avinash Yerramsetti

MASTER OF ENGINEERING IN MECHANICAL ENGINEERING

Vamshikrishna Reddy Avuthu
Shivanadan Reddy Boddham
Ameya Jayant Chaudhari
Yuvrajsinh Rajendrasinh Chauhan
Sameer Surendra Deoolwadikar
Ajit V. Gaikwad
Pranav Reddy Raja Reddy Godalwar
Sunil Shashikant Goswami
Maricela Guerrero Hernandez
Ravikanth Gurugubelli
Rohan Pradeep Jakhi
Martin Mathew
Saleh Mohammad Mobin
Sachin Vithalrao Nagde



Adit D. Patel
Harsh Kiritkumar Patel
Harshkumar Bhupendrabhai Patel
Himanshu Munendrabhai Patel
Jensy Nileshbhai Patel
Naman Maheshbhai Patel
Rushabh Patel
Sagar Sharad Patel
Mayuri Narendra Patil
Phani Chaitanya Saraswathula
Venkata Raghavendra
Hersh Rajul Shah
Krushik Vineshkumar Shah
Parth Kamleshkumar Shah
Krishna Sai Yadav Vootla

BACHELOR OF SCIENCE IN CHEMICAL ENGINEERING

Mhd Amjad Abou Shama*
Amer Sabet Alanazi
Nicholas Emmett Hollanda
Cavalcanti
Kristin Brooke Crawford
Thomas James Curran
Arebel Cherry Fajardo De Torres
Robert Alton Ehrlich
Tiffany Yvette Fierro
Avijeet Ghosh
Bryce Michel Grimes
Russell Allen Hare
Brent Michael Hill
Saqib Muhammad Humayun
Benny Huynh
Charles Huynh
John Edwin James V
Lauren Nicole Leshikar*
Norma Lizet Manzanarez

Emily Erin McMillon
Nicholas Say Jin Neo
Tran Bao Nguyen
Karla Alexandra Obregon
Julius Mba Okoruku
Hassan G. Qassem
Jay Sharma
Joshlyn Cheree' Spencer
Mark Travis Stewart
Colby Daniel Sundgren
Zachery Thomas Edward
Townley-Smith*
David Michael Williamson
Joshua Christopher Wilson
William Kyle Wilson

BACHELOR OF SCIENCE IN CIVIL ENGINEERING

Brandon G. Belaire
Harold Ernest Crochet Jr.
Molly Kate Duge
Anthony Charles Dundee
Joshua Strong Farrow
Alan Robert Gruenstein
Kyle Douglas Kibodeaux
Adriana Lucia Salazar Diersche
Jessica Sezikeye
Justin Wayne Vasek*
LaDonna Marie Waters
Remington Lloyd Whitt

BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING AND MATHEMATICS

Tyler Gayle Doiron*

BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING

Babatunde Akhigbe Akindede
Ahmed Abduljaleel Alhamoud
Abdulmageed Mohammed
Alhawsawi
Paul Bradley Armstrong
Francisco Cazares
Jordan Ross Cox
Vinh The Do
Jonathan D. Frazier
Jeffrey Wayne Frederick
Hector Gerardo Garcia
Odera Millicent Ibekwe
Michael Christopher Leviege
Travis James Asa Lindsey
Joel A. Lozano
Marinko Mandic
Cortney Carlease Moore
Hoang Van Nguyen
Joseph Jontavin Reed
Michael Savage
Keeley Irene May Townley-Smith*
Ryan Wade Watts
Lashaina Simone White

BACHELOR OF SCIENCE IN INDUSTRIAL ENGINEERING

Ali Ahmed M. Al Jumaan
Hector Camarillo
Clinton Van Choate
Scorpio Dion Collins
Tyler Lane Currie
David Alexander Durr
Kristi E. Joseph
Huy Quoc Luong

Silvia Gabriela Phillips
Akshay Shreekant Sutrave

BACHELOR OF SCIENCE IN INDUSTRIAL TECHNOLOGY

Andrew Lucas Araniva
Jeremy Wayne Chauvin
Shannon Marie Coffee
Gerald Wayne Domoneck Jr.
Carl Edward Duckworth II
William Gerad Head
Ameena Mitha
Jonathan David Sheppard
James D. Swaim
Jeremy Kyle Vaclavik
Rayvon Alexander Washington
Earl Brown Williams III

BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING

Ethan Michael Baker
Dustin Ryan Berry
Jordan Lee Blanchard
Matt Duane Butler II
Christopher Mark Corman
Kaci Lynn Davis
Blake Anthony Duhon
Justin Loyd Eckols
Allen James Giberson
William Hunter Grillo
Adrian Gutierrez
Miguel A. Hernandez
Mark Nicholas Herrington
John Daniel Johnson
David Peter Kwong
Michael Todd LaFleur



Canh Xuan Lam
William Robert Lydic
Manuel Mandujano
Michael Kyle Markum
Jayson Montgomery McKinley
Riley Drew McMillon
Steven D. McMullan
Cesar Antonio Melendez
Thomas George Michel*
Brandon Harris Midkiff
Owen Michael Miller
Grant Edward Neal
Valentin Ortega
Matthew Kemper Perdue
Jonathan Eugene Pierce II

Garrett Maxwell Raines
Clayton Thomas Rollin Robinson*
Edgar Roque
Benjamin Andrew Rushing
Nicholas Alexander Talbert
Khanh Duy Thai
Roberto Torres
Hoa Phu Tsan*
Caleb Shane Washburn
Brandon Mckinley Wilkerson
David Timothy Wood II
Thomas Lee Yawn

*Reaud Honors College Graduate

DOCTORAL DISSERTATIONS

Potnis, Chinar Kishore – *Cleaning Large Data Sets with a Coordinated Machine Learning and Manual Approach* – James Curry, Supervising Professor

Wang, Ziyuan – *Multi-Scale Dynamic Modeling for Simultaneously Improving Chemical Plant Turnarounds and Regional Air Quality* – Thomas C. Ho, Supervising Professor; Qiang Xu, Co-supervising Professor

Zhang, Shujing – *Optimal Scheduling of Chemical Process Industry for Better Operability and Profitability* – Qiang Xu, Supervising Professor

MASTERS THESES

Bafana, Adarsh – *Polypropylene Nanocomposites Reinforced with Graphene Nanoplatelets* – Evan Wujcik, Supervising Professor

Hoque, Md Reshad – *EEG Analysis of Driver Cognitive Response via Spectral Estimation and Wavelet Analysis* – Gleb Tcheslavski, Supervising Professor

Igberaese, Anita – *Pilot Study of Using EEG as a Biomarker to Diagnose Autism* – Gleb Tcheslavski, Supervising Professor

Islam, Kazi Aminul – *Independent Component Analysis for EOG Artifacts Minimization of EEG Signals Using Kutosis as a Threshold* – Gleb Tcheslavski, Supervising Professor

Islam, Md. Tariqul – *Contact Angle Hysteresis for Pendant Liquid Drops* – Rafael Tadmor, Supervising Professor

Jagtap, Akshav – *Colorometric Sensing of Aromatic Compounds by Electrospun Silica Fibers* – Evan Wujcik, Supervising Professor

Mehta, Aesha – *Analysis of Waterway Transportation in Southeast Texas Waterway Based on AIS Data* – Xing Wu, Supervising Professor

Shah, Archit – *3D Analysis of Self-Heating and Its Impact on Performance of SOI and Bulk FinFET* – Selahattin Sayil, Supervising Professor

Shatu, Md. Shaffiuddin – *Characterization of a Selected Refinery Wastewater Streams for Treatability Assessment* – Che-Jen (Jerry) Lin, Supervising Professor

Sobhani, Samin S. – *An Improved Algorithm to Extract Knowledge Base from Measurement Data* – G.N. Reddy, Supervising Professor

Sultana, Sharmin – *EEG-Based Assessment of Driver's Cognitive Response in Virtual Traffic Light Environment* – Gleb Tcheslavski, Supervising Professor

Yadav, Sakshi – *Interfacial Modulus and Retention Force of Cervical Cancer Cell (HeLa)* – Rafael Tadmor, Supervising Professor



HONORS

An Honor Graduate must have completed 60 hours at Lamar University for a 4-year degree. A student with a GPA of 3.5 or higher on all LU undergraduate work will be awarded honors. Cum laude is 3.5 to 3.64, magna cum laude is 3.65 to 3.79 and summa cum laude is 3.8 to 4.0.

ALPHA LAMBDA DELTA

Freshman Honors
Red, White and Gold Triple Cord

ALPHA PI MU

Industrial Engineering Honor Society
White Cord joined with White Panel

BETA XI CHAPTER OF PHI

BETA DELTA

International Student Honors
Gold Medallion with Red and Yellow Ribbon

CHI EPSILON

Civil Engineering Honor Society
White Stole

DELTA-BETA CHAPTER OF

ETA KAPPA NU

Electrical and Computer Engineering Honor Society
Yellow Stole with Insignia,
Yellow Cord with Red and Blue Tassel

LU AMBASSADORS

Student Ambassadors
Red and Gold Double Cord

LU HONORS

Latin Honors
Red and White Double Cord

LU VETERANS

US Military Veteran
Red, White and Blue Double Cord

OMEGA CHI EPSILON

Chemical Engineering Honor Society
White Stole

THE ORDER OF THE ENGINEER

Upholding Engineering Integrity
Orange Stole with Red Trim

ORDER OF OMEGA

Greek Honors
Gold Stole with Logo, Gold and Ivory Cord

PHI BETA DELTA

International Honor Society
Gold Medallion with Red and Gold Ribbon

PHI ETA SIGMA

Freshman Honors
Black and Gold Double Cord

PHI KAPPA PHI

Junior/Senior Honor Society
Yellow Stole with Insignia on White Background,
White Medallion with a Blue Ribbon and Blue Cord

REAUD HONORS COLLEGE

Graduate who has completed 23 hours of honors coursework,
including an honors thesis, or 26 hours with eight hours of
upper-level credits while maintaining a 3.25 GPA.
Bronze Medallion with Red and White Ribbon

RONALD E. MCNAIR SCHOLAR

First generation, low income, and underrepresented graduate who has
completed graduate-level research internship, including undergraduate
thesis and research defense.

NASA Blue Stole with Lettering, Lamp of Knowledge Medallion with
Red, White, and Blue Ribbon

SMITH-HUTSON SCHOLAR

Smith-Hutson Scholarship Recipient
Black Stole with Red Trim

TAU BETA PHI

Engineering Honor Society
White Stole with Orange Insignia



THE ACADEMIC REGALIA

In its essential features, the academic regalia worn at American college exercises had its beginning in the Middle Ages. The oldest universities in Northern Europe grew out of church schools, and both faculty and students were regarded as part of the clergy. Hence, as their regular costume, they wore clerical garb borrowed largely from the monastic dress of their day.

The academic gown and hood were first regularly adopted by the University of Cambridge in 1284 and by the University of Oxford a little later. The custom transplanted to this country in Colonial times by King's College in New York, now Columbia University. In 1895, American universities and colleges decided to standardize their academic styles and developed the intercollegiate code of academic costume. The style follows in the vein of the Cambridge tradition. The distinctive caps, gowns and hoods worn at present-day college and university functions denote the institution that granted the degree, the field of learning in which the degree was earned and the level of the degree – bachelor, master or doctorate.

The gown is usually of black material (serge or worsted for bachelors, the same or silk for masters and silk for doctors). Bachelor's gowns have pointed sleeves and master's have long pouch-like sleeves, which reputedly were once used to carry books. Doctor's gowns are faced with panels of velvet down the front and three bars of velvet across each sleeve.

The hood, worn around the neck so as to hang down the back, is the principal emblem of the nature and source of the degree held. The colors in the hood lining are the colors of the school conferring the degree. The color of the border indicates the scholarly field of the wearer. Hoods may be worn only after the degree has been granted.

The cap, the square mortarboard in American universities, but a round, short, flat velvet hat in British, Canadian and some European universities, bears a tassel which may be black, or it may be colored

according to the scholarly field of the wearer. Only the doctors' cap may be of velvet.

The degree colors are used for the edging of all hoods and may be used for the velvet facing and sleeve bars of doctors' gowns and tassels on bachelors' and masters' caps. This includes: Arts and Letters – White, Commerce – Drab, Education – Light Blue, Engineering – Orange, Fine Arts – Brown, Humanities – Crimson, Law – Purple, Library Science – Lemon, Medicine – Green, Music – Pink, Pharmacy – Olive, Philosophy (Ph.D.) – Dark Blue, Physical Education – Sage Green, Science – Golden Yellow and Theology – Scarlet.

UNIVERSITY MACE

Originally a medieval weapon and later carried by Sergeants at Arms guarding kings and high church officials, the mace has gradually assumed a purely ceremonial character symbolizing authority. As used in formal academic processions, the mace derives from the early university history. The Lamar University mace is traditional in design. The mahogany shaft is crowned by a head on which are mounted four representations of the university seal. The president of the Faculty Senate, who leads the academic procession, carries the mace in today's ceremony.

ACADEMIC GONFALONS

Gonfalons, banners that are designed to hang from a crossbar, have historical roots dating back to the 12th century when they served as the official emblems to represent the various districts of Florence, Italy. In more recent times, gonfalons have been adopted by academia to serve as symbols to represent each college within a university. Each college has their own representative banner with the dean from the respective college carrying the gonfalon in the academic processional.



Lamar University engages and empowers students with the skills and knowledge to thrive in their personal lives and chosen fields of endeavor. As a doctoral granting institution, Lamar University is internationally recognized for its high quality academics, innovative curriculum, diverse student population, accessibility and leading edge scholarly activities dedicated to transforming the communities of Southeast Texas and beyond.



Special appreciation is extended to volunteers for serving as ushers for today's commencement ceremony.

This program is not an official graduation list. This printed program lists students who are eligible to graduate pending the outcome of final examinations and final grades. Therefore, it should not be used to determine a student's academic or degree status. The student's permanent academic record is kept by the Records Department, P.O. Box 10010, Beaumont, Texas 77710. *Students, faculty and staff members are selected without regard to their race, color, creed, sex, age, disability or national origin, consistent with the Assurance of Compliance with Title VI of the Civil Rights Act of 1964; Executive Order 11246 as issued and amended; Title IX of the Education Amendments of 1972, as amended; Section 504 of the Rehabilitation Act of 1973.*