





Letter from the Dean

Dear Engineering Graduates,

By nature of you being here today, you are among the best, brightest and hardest working engineers the world has to offer.

You have made it through one of the most rigorous engineering programs in the country. During your time as an engineering student, you have collectively spent thousands of hours researching, volunteering and interning in the city of Houston, adding to the strength and vibrancy of our community. When you leave our labs and classrooms and embark on your careers, your professional contributions will have a resounding impact here in the city of Houston and around the world.

You are the thinkers, doers and creators of our modern world. You will be the designers, builders, problem-solvers and inventors of our tomorrow. Although you represent a wide variety of backgrounds and disciplines, as you walk across the stage to accept your diploma, you will all have one thing in common: you are all world-class engineers.

From here, the world is at your fingertips. Work hard, give back, and trust in the knowledge you have acquired during your time as a student at the UH Cullen College of Engineering. Everything else will fall into place.

Congratulations, engineering Cougars! I look forward to seeing the impact your bright careers will have on our future and our world. Please stay in touch and fill me in on all of your successes: dean@egr.uh.edu.

Sincerely,

A handwritten signature in black ink that reads "Joseph W. Tedesco". The signature is written in a cursive, slightly slanted style.

Joseph W. Tedesco
Elizabeth D. Rockwell Dean & Professor

University of Houston
Cullen College of Engineering

Convocation

Friday, May 15, 2015, 9 a.m.
Hofheinz Pavilion

PROCESSIONAL	Grand Marshal Chad Wilson <i>Assistant Professor</i> Grand Marshal Leonard Trombetta <i>Associate Professor</i> Faculty Banner Bearer Platform Party Dean Joseph Tedesco
PRESENTATION OF THE COLORS	UH Army ROTC
NATIONAL ANTHEM	Members of the Moores School of Music Concert Chorale
WELCOME AND INTRODUCTORY REMARKS	Joseph W. Tedesco <i>Elizabeth D. Rockwell Dean & Professor</i>
COMMENCEMENT ADDRESS	Charles E. Jones <i>UH Cullen College of Engineering Alumnus</i>
PRESENTATION OF HONORS AND OUTSTANDING STUDENTS	Frank Claydon <i>Director of the Division of Undergraduate Programs and Student Success</i>
PRESENTATION OF BACHELOR'S CANDIDATES	Professor Claydon
PRESENTATION OF MASTER'S CANDIDATES	William Epling <i>Associate Professor of Chemical & Biomolecular Engineering</i>
PRESENTATION AND HOODING OF DOCTORAL CANDIDATES	Jagannatha Rao <i>Associate Professor of Mechanical Engineering</i>
CLOSING REMARKS	Dean Tedesco
ALMA MATER	Members of the Moores School of Music Concert Chorale
RETIRING OF COLORS	UH Army ROTC
RECESSIONAL	

*Event music provided by Moores School of Music Brass Quintet
A reception will be held in the Engineering Building 1, Commons Area, 1st floor,
immediately after the Ceremony. Refreshments will be served.*



Cullen College of Engineering

The University of Houston Cullen College of Engineering, established in 1941, is accredited by the Engineering Accreditation Commission of ABET and is ranked among the top 100 engineering schools in the country by U.S. News & World Report.

Nearly 4,500 students are enrolled in engineering courses—3,282 undergraduates as well as 1,210 masters and doctoral students in biomedical, chemical, civil, computer, electrical, environmental, geosensing systems, industrial, mechanical and petroleum engineering. The college also offers interdisciplinary graduate programs in subsea, aerospace, materials, and computer and systems engineering. Chemical and mechanical engineering have ranked among the top programs nationally.

The mission of the Cullen College of Engineering at the University of Houston is to serve the Greater Houston community, Texas and the nation by educating engineers to assume leadership positions in the identification and solution of the complex technical challenges of society, to advance the state of knowledge through pioneering research and scholarly work, to facilitate the transfer of new technology to Texas and U.S. industries, to play a key role in economic development for the Greater Houston region and the State of Texas, and to benefit the public sector through service to the university, community, industry, government and the engineering profession.

Administration

Joseph Tedesco

Elizabeth D. Rockwell Dean & Professor

Hanadi Rifai

Associate Dean for Research and Facilities

Suresh Khator

*Associate Dean for Graduate Programs
and Computing Facilities*

Frank Claydon

*Director of the Division of Undergraduate
Programs and Student Success*

Metin Akay

*Chair, Department of
Biomedical Engineering*

Michael Harold

*Chair, Department of Chemical
& Biomolecular Engineering*

Roberto Ballarini

*Chair, Department of Civil
& Environmental Engineering*

Badrinath Roysam

*Chair, Department of Electrical
& Computer Engineering*

Gino Lim

*Chair, Department of
Industrial Engineering*

Pradeep Sharma

*Chair, Department of
Mechanical Engineering*

Thomas Holley

*Director of the Petroleum Engineering
Program*

Russell Dunlavy

Chief Advancement Officer

Stephen Bangerter

Executive Director of Business Operations

Audrey Grayson

Executive Director of Communications

Lisa Robertson

Executive Director of External Relations

Vita Como

Director of Professional Development

Roshawnda Anderson

Assistant to the Dean

National Academy of Engineering Members

J.J. Azar

Petroleum Engineering

Benton Baugh

Subsea Engineering

Charles Cutler

Chemical & Biomolecular Engineering

Bonnie Dunbar

Mechanical & Biomedical Engineering

Christine Ehlig-Economides

Petroleum Engineering

John Lee

Petroleum Engineering

John Lienhard

Mechanical Engineering

Dan Luss

Chemical & Biomolecular Engineering

James Symons

Civil & Environmental Engineering

Anestis Velestos

Civil & Environmental Engineering

Kaspar Willam

Civil & Environmental Engineering

Department of Biomedical Engineering

Metin Akay

Professor & Chair

Ravi Birla

Associate Professor

Howard Gifford

Associate Professor

Nuri Ince

Assistant Professor

Kirill Larin

Associate Professor

Elebeoba May

Associate Professor

Chandra Mohan

Professor

Ahmet Omurtag

Associate Professor

Sergey Shevkoplyas

Associate Professor

Tianfu Wu

Assistant Professor

Yingchuan Zhang

Assistant Professor

Department of Chemical and Biomolecular Engineering

Vemuri Balakotaiah
Professor

Patrick Cirino
Associate Professor

Jacinta Conrad
Assistant Professor

Vincent Donnelly
Professor

Demetre Economou
Professor

Christine Ehlig-Economides
Professor

William Epling
Associate Professor & Associate Chair

Lars Grabow
Assistant Professor

Michael Harold
Professor & Chair

Konstantinos Kostarelo
Associate Professor

Ramanan Krishnamoorti
Professor

John Lee
Professor

Dan Luss
Professor

Michael Myers
Associate Professor

Michael Nikolaou
Professor

Jeremy Palmer
Assistant Professor

Guan Qin
Associate Professor

Jeffrey Rimer
Assistant Professor

Megan Robertson
Assistant Professor

Gila Stein
Assistant Professor

Navin Varadarajan
Assistant Professor

Peter Vekilov
Professor

Richard Willson
Professor

Department of Civil and Environmental Engineering

Roberto Ballarini
Professor & Chair

Abdeldjelil Belarbi
Professor

Shankar Chellam
Professor

Mina Dawood
Assistant Professor

Bora Gencturk
Assistant Professor

Craig Glennie
Assistant Professor

Thomas Hsu
Professor

Yandi Hu
Assistant Professor

Hyongki Lee
Assistant Professor

Mo Li
Assistant Professor

Yi-Lung Mo
Professor

Kalyana Nakshatrala
Assistant Professor

Hanadi Rifai
Professor & Associate Dean

William Rixey
Associate Professor & Associate Chair

Debora Rodrigues
Assistant Professor

Ramesh Shrestha
Professor

Joseph Tedesco
Professor & Dean

Cumaraswamy Vipulanandan
Professor

Keh-Han Wang
Professor

Kaspar Willam
Professor

Department of Electrical and Computer Engineering

Jiming Bao
Associate Professor

Aaron Becker
Assistant Professor

Stanko Brankovic
Associate Professor

Ryan Canolty
Assistant Professor

Jinghong Chen
Associate Professor

Yuhua Chen
Associate Professor

Ji Chen
Professor

Frank Claydon
Professor & Director

Jose Contreras-Vidal
Professor

Xin Fu
Assistant Professor

Cullen College of Engineering

FACULTY

John Glover
Professor

Zhu Han
Associate Professor

Thomas Hebert
Associate Professor

David Jackson
Professor

Ben Jansen
Professor

Han Le
Professor

Dmitri Litinov
Professor

Stuart Long
Professor

Pauline Markenscoff
Associate Professor

David Mayerich
Assistant Professor

Haluk Ogmen
Professor

Shin-Shem Pei
Professor

Saurabh Prasad
Assistant Professor

Badrinath Roysam
Professor & Chair

Paul Ruchhoeft
Associate Professor

David Shattuck
Associate Professor

Bhavin Sheth
Associate Professor

Wei-Chuan Shih
Assistant Professor

Leonard Trombetta
Associate Professor & Associate Chair

John Wolfe
Professor

Yan Yao
Assistant Professor

Wanda Zagodzdon-Wosik
Associate Professor

Department of Industrial Engineering

Christopher Chung
Associate Professor

Qianmei Feng
Associate Professor

Ali Kamrani
Associate Professor

Suresh Khator
Professor & Associate Dean

Gino Lim
Associate Professor & Chair

Jiming Peng
Associate Professor

Lawrence Schulze
Associate Professor

Department of Mechanical Engineering

Ashutosh Agrawal
Assistant Professor

Haleh Ardebili
Assistant Professor

Richard Bannerot
Professor

Yi-Chao Chen
Professor

Bonnie Dunbar
Professor

Matthew Franchek
Professor

Hadi Ghasemi
Assistant Professor

Karolos Grigoriadis
Professor

Yashashree Kulkarni
Assistant Professor

Dong Liu
Associate Professor

Philippe Masson
Assistant Professor

Anastassios Mavrokefalos
Assistant Professor

Ralph Metcalfe
Professor

Jagannatha Rao
Associate Professor & Associate Chair

Jae-Hyun Ryou
Assistant Professor

Venkat Selvamanickam
Professor

Pradeep Sharma
Professor & Chair

Gangbing Song
Professor

Li Sun
Associate Professor

Su Su Wang
Professor

Kenneth White
Professor

Cunjiang Yu
Assistant Professor

Cullen College of Engineering

OUTSTANDING SENIORS

Each academic year one graduating senior from each of the eight undergraduate disciplines is chosen by the faculty of that department as the outstanding student of the year. From these eight students, one is chosen by merit of his or her superior scholarship and leadership to be the Texas Society of Professional Engineers Outstanding Senior of the Year, the highest honor awarded to a student by the college. The faculty, students and staff of the Cullen College of Engineering congratulate the 2015 recipients of these awards.

Outstanding Senior of the Cullen College of Engineering

Tessy M. Lal

DEPARTMENTAL OUTSTANDING SENIORS

Outstanding Biomedical Engineering Student

Tessy M. Lal

Outstanding Chemical Engineering Student

Connor Fernandez

Outstanding Civil Engineering Student

Ryan Byrd

Outstanding Computer Engineering Student

Daniel Romero

Outstanding Electrical Engineering Student

Brian Roy McNeil

Outstanding Industrial Engineering Student

An T. Trinh

Outstanding Mechanical Engineering Student

Borith Seng

Outstanding Petroleum Engineering Student

Brandon Saavedra

Spring 2015

DOCTOR OF PHILOSOPHY IN BIOMEDICAL ENGINEERING

Matthew Hogan

A Heart Artificial: Building the Foundation for the Development and Maintenance of In Vitro Tissue Mimetic Cardiovascular Models

ADVISOR: Dr. Ravi K. Birla

Nikita Mukesh Patel

Bioengineering a Three-Dimensional Cardiac Left Ventricle

ADVISOR: Dr. Ravi K. Birla

Betsy Habeth Salazar

Development of Real Time Sensing Systems to Assess the Electrophysiological Properties of Bioengineered Cardiac Tissues

ADVISOR: Dr. Ravi K. Birla

Iman K. Yazdi

Development of Nanostructured Materials for Drug Delivery and Tissue Engineering

ADVISORS: Dr. Mauro Ferrari and Dr. Metin Akay

DOCTOR OF PHILOSOPHY IN CHEMICAL ENGINEERING

Anupam Aich

A Free Heme Perspective to Sickle Hemoglobin Polymerization

ADVISOR: Dr. Peter G. Vekilov

Gregory Bugosh

Performance Studies of Multifunctional Pt/Pd Monolithic Catalysts for Hydrocarbon Oxidation Emission Control

ADVISOR: Dr. Michael P. Harold

Daehak Kim

Nanoparticles for Oil Field Applications

ADVISOR: Dr. Ramanan Krishnamoorti

Indranil Mitra

Tuning Melt/Brush Interactions for Functional Polymer Films

ADVISOR: Dr. Gila E. Stein

Rahul Pandey

Confined Flow of Attractive Colloidal Suspensions

ADVISOR: Dr. Jacinta C. Conrad

Abhijit Patil

Acid Catalyst Transport in Chemically Amplified Resists

ADVISOR: Dr. Gila E. Stein

Ashutosh Kumar Srivastava

Chamber-Wall Interactions with HBr/Cl₂/O₂ Plasmas

ADVISOR: Dr. Vincent M. Donnelly

Siyuan Tian

Sub-10 nm Nanopantography and Nanopattern Transfer Using Highly Selective Plasma Etching

ADVISORS: Dr. Vincent M. Donnelly and Dr. Demetre J. Economou

Chinedu D. Umeasiegbu

Microstructure Studies of Tunable pH-Sensitive Mixtures of Cationic Surfactant and Hydrotropic Salt

ADVISORS: Dr. Ramanan Krishnamoorti and Dr. Vemuri Balakotaiah

Shu Wang

Development of Nanostructured Polymeric Materials from Sustainable Sources

ADVISOR: Dr. Megan Robertson

¹ Summa Cum Laude - ² Magna Cum Laude - ³ Cum Laude - ⁴ Banner Bearer (highest GPA)

⁵ University Honors with Honors in Major - ⁶ University Honors - ⁷ Honors in Major

Cullen College of Engineering
CANDIDATES FOR GRADUATION

**DOCTOR OF PHILOSOPHY
IN CIVIL ENGINEERING**

Mossab Wahba El-Tahan

Development and Characterization of a Self-Stressing Shape Memory Alloy (SMA)-Fiber Reinforced Polymers (FRP) Composite Patch for Repair of Cracked Steel Structures

ADVISOR: Dr. Mina Dawood

Paul Hamilton

Autogenic Processes on Supercritical Submarine Fans

ADVISOR: Dr. Kyle Strom

Chen Chuan J. Kuo

Evaluation of the Best Equation of State for Enhanced Oil Recovery Use in Ultra-high Pressure Hydraulic Calculation

ADVISOR: Dr. Keh-Han Wang

**DOCTOR OF PHILOSOPHY
IN ELECTRICAL ENGINEERING**

Mehmet Naci Agaoglu

Nonretinotopic Reference Frames for Dynamic Form and Motion Perception

ADVISOR: Dr. Haluk Ogmen

Ela Bulut

Reaction Kinetics of Au Deposition by Surface Limited Red-ox Replacement of Pb Underpotential Deposition Studied by Surface Reflectivity

ADVISOR: Dr. Stanko R. Brankovic

Ruoli Jiang

Manipulating Cells with a Dynamically-Reconfigurable Electro-Magnetic Coil

ADVISOR: Dr. Ben H. Jansen

Pratik Infer Motwani

Plasmonic Nanosensors for Improving the Sensitivity of Surface Enhanced Raman Spectroscopy

ADVISORS: Dr. John C. Wolfe and Dr. Wei-Chuan Shih

Xiyao Xin

Wireless Power Transfer Along Oil Pipe Using Ferrite Materials

ADVISOR: Dr. Ji Chen

**DOCTOR OF PHILOSOPHY
IN ENVIRONMENTAL ENGINEERING**

Tugba Onal Okyay

Carbon Dioxide Sequestration through Microbially-Induced Calcium Carbonate Precipitation using Ureolytic Environmental Microorganisms

ADVISOR: Dr. Debora Frigi Rodrigues

**DOCTOR OF PHILOSOPHY
IN INDUSTRIAL ENGINEERING**

Ali Arab

Asset Analytics for Smart Grid Infrastructure Under Natural Disasters

ADVISORS: Dr. Suresh K. Khator and Dr. Zhu Han

Khaled Eldressi

A New Approach to Measure Intangibles in Economic Analysis of Advanced Technology Projects

ADVISOR: Dr. Gino Lim

**DOCTOR OF PHILOSOPHY
IN MATERIALS ENGINEERING**

Szu Te Lin

Laser Manufacturing Modeling and Experimental Simulation on Metal Matrix Composite of Rapid Formation

ADVISOR: Dr. Ali K. Kamrani

¹ Summa Cum Laude - ² Magna Cum Laude - ³ Cum Laude - ⁴ Banner Bearer (highest GPA)

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DOCTOR OF PHILOSOPHY IN MECHANICAL ENGINEERING

Gregory Donald Joseph

A Novel Approach to Robust Design Using
Recent Advances in Robust and MultiObjective
Optimization Methods

ADVISOR: Dr. Jagannatha Rao

Qingzhao Kong

Innovation in Piezoceramic Based Structural
Health Monitoring

ADVISOR: Dr. Gangbing Song

Qin Li

Mechanisms of Enhancing Solid Polymer
Electrolytes Using Nanofillers and Ionic
Liquid for Applications in Flexible
Lithium Ion Batteries

ADVISOR: Dr. Haleh Ardebili

MASTER OF SCIENCE IN AEROSPACE ENGINEERING

Arviandy Gustrianto Aribowo

Joshua Flores

Vivek Prabhakaran Menon

MASTER OF SCIENCE IN BIOMEDICAL ENGINEERING

Rose Ann M. Huynh

Trac Duy Nguyen

Yanshen Yang

Amarayca Zambrano Cobo

MASTER OF CHEMICAL ENGINEERING

Abdulaziz Daabash

Cuong Tran Nguyen

Laura B. Nicholson

Vanessa M. Palacios

Yoke Chuan Teoh

MASTER OF CIVIL ENGINEERING

Ritchie A. Acosta

MASTER OF SCIENCE IN CIVIL ENGINEERING

Barry Adkins

Mustafa Dal

Sindhu Bhaskaram Dattatreya

Besart Dibra

Melvin Efrain Garcia

Seyed Mohammad Hossein Hosseiny

Sri Lakshmi Jasti

Cedric Ling

Chandhraaas Unnava

MASTER OF SCIENCE IN COMPUTER AND SYSTEMS ENGINEERING

Sriteja Aluri

Suraj Bharath Chada

Krithivasan Chandran

Nikhita Desari

Abhinay Reddy Erra

Ashwini Koushik Hochihally Sudarshan

Kondal Reddy Ramidi

Karanj Bhagvanjibhai Rupareliya

Srivatsa Shailesh

Ravi Teja Takkellapati

MASTER OF ELECTRICAL ENGINEERING

Srivatsan Badri Narayanan

Rajashekar Reddy Billapati

Sathvik Borra

Guo Chen

Sharath Chandra Chindam

Feliz Yohan Christian

¹ Summa Cum Laude - ² Magna Cum Laude - ³ Cum Laude - ⁴ Banner Bearer (highest GPA)

⁵ University Honors with Honors in Major - ⁶ University Honors - ⁷ Honors in Major

Cullen College of Engineering

CANDIDATES FOR GRADUATION

Sai Krishnakanth Reddy Devireddy
Varsha Dwajan
Jayaprakashreddy Dyapa
Pratik Abhay Ghatpande
Sriram Gorantla
Vishweshwara Rao Guntreddi
Ameer Hamza
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Jiwat Jayanthi Heera Nandani
Osagioduw Igiehon
Shashikiran Kothakapu
Varun Kumar Kotte
Shobhit Kumar
Vinoth Kumar
Tarun Reddy Manda
Krunal Mandani
Srinivas Manne Gajanand
Gustavo Alonso Martinez
Mayur Manohar Nankani
Pranay Kushal Parry
Nilakshi Vasudeo Patil
Himaja Patsa
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Ankit Sahu
Pratik Jitendra Shah
Raj Ravindra Shenoy
Sagar Malyavantham Shivaram
Aditya Anil Sodhani
Sai Krishna Tadimeti
Sai Prakash Reddy Tippi Reddy
Preethishri Trichy Prabha Venkataraman
Srinath Vedantam
Soumya Veer
Santosh Kiranmayee Vemuri
Jingkai Wu
Kavya Yerrabandi
Mengyuan Zhang

MASTER OF SCIENCE IN ELECTRICAL ENGINEERING

Nyuykighan Karl Marvin Mainsah
Stewart M. Nash
Ateeth Kumar Thirukkovulur

MASTER OF SCIENCE IN ENVIRONMENTAL ENGINEERING

Taylor Burton
Caitlin Meyer

MASTER OF SCIENCE IN GEOSENSING SYSTEMS

Yehing Piao

MASTER OF INDUSTRIAL ENGINEERING

Siddardha Deccens Adusumilli
David E. Aguilera
Karthik Reddy Ambati
Sharat Kumar Busireddy
Sayan Chakraborty
Sumantra Chatterjee
Karim W. Dayeh
Akshar Desai
Garima Doshi
Poorna Sri Vikas Dwara
Girish Ganachari
Anish Goyal
Aubrey Irene Johnson
Nitin Menon Kalappurakkal
Khalid Kayal
Aditya Kommu
Shixiao Liu
Akshit Reddy Lucky Reddy
Mahsa Kamali
Lalithendra Chowdari Mandava

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Maria S. Nacinovich
Siddharth Vallatharasu Namachivaya
Vallatharasu
Sandeep Kumar Neeradi
Alekhya Pakhal
Riken Sanjaykumar Pandya
Kavya Pelluru
Sriram Potluri
Nikhil Purwar
Kartheekvenkatanagamallikarjun
Ramakrishnavadlapatla
Rifadh Mohammed Jeelani Vahitha Ghulam

MASTER OF SCIENCE IN INDUSTRIAL ENGINEERING

Nitin Matta
Krishna Saraschandra Ryali

MASTER OF SCIENCE IN MECHANICAL ENGINEERING

Rushabh Naishadhkumar Bhansali
Saketh Chakilam
Sai Naveen Chimata
Swapnil Prabhakar Durve
Sai Teja Gaddipati
Neha Jhinge
Shiva Joshi
Sai Pradeep Keesari
Praveena Kuntilla
Behnam Labaf
Rehan A. Mallick
Akshay Pravinchandra Patel
Kapil Praveenrao Pawar
Haden James Popnoe
Tianyu Sheng
Abbas Tavakolian
Tatchanon Thanasiripong
Weijie Wang

Xiaohua Wang
Xiaoxiang Wang

MASTER OF PETROLEUM ENGINEERING

Oluwunmi Olumide Akinbayo
Kumar Dinkar Anand
Ronald Ndifreke Bickham
Le Cai
Timothy Ryan Dunne
Aishwarya Gogoi
Thitaree Lertliangchai
Chang Liu
Yuanhang Liu
Ankit Mirani
William Fabio Ramos
Shreyans Sahu
Sarva Shakti Maan Sehra
Rishabh Nandlal Sharma
Mark E. Turnbaugh
Luis Alberto Urdaneta Nava
Kaiyi Zhang

MASTER OF SCIENCE IN PETROLEUM ENGINEERING

Malik Essam Hamzeh Al Salman
Hoagie Reginald Hugh Merry

MASTER OF SCIENCE IN SUBSEA ENGINEERING

Justin Charles Anderson
Amin Elhami
Chinenyeze C. Enwereuzoh
Yusha Han
Leonard Widya Hartono
Mohammed Ahmed G. Obeid
Kamorudeen S. Salako

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Cullen College of Engineering
CANDIDATES FOR GRADUATION

Rohit Pandurang Todkar
Hari Kiran Veena
Kanaka Venkata Naga Satish Vemuri

**BACHELOR OF SCIENCE
IN BIOMEDICAL ENGINEERING**

Seyed Arshan Arshad ^{2,6}
Nicholas C. Dias
Thien-Song Thi Diep ²
James Aaron Grigsby ⁶
Thai Cuong N. Ho ³
Usama Jazzar ¹
Tessy M. Lal ^{1,6}
Zuan-Fu Lim ^{1,5}
Quoc Nguyen
Kent Emory Page
Daniel Ryan Richards ³
Sunil Jagdish Shahani
Cameron K. Shoraka ²
Suneil Tandon ^{3,6}
Hailey L. Teague ³
Juliana I. Zaid
Fangfei Zhang

**BACHELOR OF SCIENCE
IN CHEMICAL ENGINEERING**

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Maneesh Anand
Razin I. Arab ⁶
Blake Thomas Broussard ⁶
Ben Abraham Cherian
Joseph Robert Dana
Sergio De La Fuente
Bruck Hailu Degaffe
An Dinh
Anh Ky Hoang Do
Omar Y. Enan
Chanelle Monete Ferguson

Feng Guo
Bing Shiang Hsu
Bor-Yea Hsu ³
Wamiq Iftikhar ⁶
Corey Douglass Knutson-Huddleston
Sean Michael Kraus
Robert Michael Langley
Kim Mai Jennifer Le
Uyen Le
Bruce Christian Livingston
Abel Lopez
Huong Dieu Ly
Luis Dias Bumba Manuel
Daniel Lilletvedt Masters
Sana Mateen ⁶
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Edward Rae Held McDowell III
Vanessa Laurene Mengue-Beyeme
Mohammad A. Moiz ⁶
Eliazar Nava
Shereen M. Nawaz
Hoang Vincent Nguyen
Tam Quang Nguyen ^{3,7}
Thuy Thi Diem Nguyen
Tochukwu Ofoegbuna
Ezinne Amarachi Okoko
Iyibi Ronald Omie-Abbey
Nicholas Michael Ritchey
Munira Tayyab
An The Tran ²
Hayden Douglas Trask
An Tan Trinh
Chi Mai-Thi Vo
Michelle Xie ^{3,6}
Jia Pei Ye

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BACHELOR OF SCIENCE IN CIVIL ENGINEERING

Tawfeeq Ali Al-Ajaj
Joshua Samuel Benitez
Lauren Naomi Blake
Edwin Saul Corcuera
Shane Coleman Cossey
John Paul Flores
Jimmy Charlton Flowers Jr.
Kenneth W. Fuentes ²
Ryan Hymas Hinson
Andrew Charles Johnson
In Wook Kang
Andrew A. Landry ³
Adilene Mendino
Jose G. Mendiola
Marvin Cliff Morris
Gunther Nguyen
Cosme Reyes Jr.
Ruby Rodriguez ³
Thu Minh Tang
Timothy Tyler Thomason
John D. Tran
Susana Vallejo
Daniel V. Vasquez
Gregory Michael Williams

BACHELOR OF SCIENCE IN COMPUTER ENGINEERING

Kevin Leonard Adams Jr. ²
Scott Patrick Garrison
Hector Javier Reyna
Daniel Romero ³
Erick Saucedo
Samuel Jerome-Simon Stephen

BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING

Christopher Minh Ahn
Juan S. Alarcon ³
Shehnil Ali
James E. Annis ^{1, 4}
Khaldon Y. Batnij
Alexander Efren Bello ²
Robert Godwin Smith Boswell
Justin M. Brandon
Victor R. Brzeski
Fabiana Carolina Cirino ³
Steven Huu Do
Jamal El Alaoui
Fergyl Estioco ⁶
Sriram Goparaju
Jason Robert Le Gaspi ²
Brian Lee ²
Gilberto Martinez ²
Zachary B. May
Brian Roy McNeil ¹
Sho Misawa ³
An Nguyen
Alvaro Angel Ordonez ³
Ernest L. Patenia
Jorge Revuelta ²
Jorge Antonio Rivera ¹
Rabal Sheikh
Meagan Michele Shores
Tori Lee Speer-Manson
Sean Strickland ³
Artemio Villarreal

BACHELOR OF SCIENCE IN INDUSTRIAL ENGINEERING

Faraz Ahmed
Nahyan Saud Ahmed ³

¹ Summa Cum Laude - ² Magna Cum Laude - ³ Cum Laude - ⁴ Banner Bearer (highest GPA)

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Cullen College of Engineering
CANDIDATES FOR GRADUATION

Shahd Abdulaziz Alotaibi
Youssef Ben Jemaa
Veronica Neary By ³
Rosendo Cardoso ¹
Adaezekwem Euphrasia Chukwu ³
John W. Crawford ³
Berk Dogan
Mohammad Elsaadi
Saeid Heidari ³
Hamza A. Khawaja
Victor M. Moreno
Dulce Orozco ³
Orapun Phuthomdi
Constantino Elias Pineda
Areej Adnan Radwan
Ahmad Rifai
Melissa Sandoval
Leon Joseph Smith
An T. Trinh ²
Anita Vaezian ³

**BACHELOR OF SCIENCE
IN MECHANICAL ENGINEERING**

Michael R. Abou-Nassif ³
James J. Abraham
Salman Adil
Alia R. Ajero
Tarek Akchar
Carlos Jesus Arocha
Jose Miguel Briceno Enriquez
Robert Henry Byers
Daniel Camacho
Joseph Tyler Campbell ⁶
Kevin Alexis Cantor
Erick Coronado
Hanh M. Dao
Dylon Elliot DeAtley ³
Bryan Thomas Diegelman

Jason A. Doucen
Hosanna Elizabeth Escalante
John-Roland Espinosa
Jeremy Dean Evans
Sheila Lizeth Galindo ^{2,6}
Francisco J. Gamarra
Rachel Bremer Gamblin
Kelly Bryan Gandy II
Alan Torres Garcia
Bryan R. Garza
Walter Jose Gomez Sandoval
Isaac Jalil Gonzalez
Frank Joseph Green
Andres Alberto Gutierrez
Mehdi Hatim
Shawn W. Havener
John C. Hearn
Jason S. Hendrickson
Jose Reynaldo Hernandez Jr.
Nicholas Alan Hluchan
Hue Chan Huong ²
Nghia P. Huynh ²
Jasmine A. James ³
Mohamad Ibrahim Kachmar
Brian M. Kneeland
Navin Priyam Krishnasing ⁷
Sarah Kristiansson ³
Hannah Eve Lau
Jessica Lynn Liberatore
Jereomy Brandon Lopez
David Andrew Marquise
Christine Ann McDuff ⁷
Juan Mendez
Jesus Mora
Gustavo A. Navarrete
Nguyen Thanh Nguyen
Sarmed M. Omran
Mitul V. Patel

¹ Summa Cum Laude - ² Magna Cum Laude - ³ Cum Laude - ⁴ Banner Bearer (highest GPA)
⁵ University Honors with Honors in Major - ⁶ University Honors - ⁷ Honors in Major

David J. Pineda
Seneca R. Rinehart ³
In Hey Robison
Fernando Romo
Jordan P. Rothe
Michael Philip Russo ²
Borith Seng
Matthew R. Simpson
Rodrick Quintin Smith
Andres D. Soto
Alamdar Hasnain Syed
Jose Tenorio
Jaison T. Thomas
Jackson Colton Tidwell
Andrew Kenichi Tutia
Nikhil Korah Varghese ³
Shamshuddin Jalaluddin Venkani
Quentin L. Walker

BACHELOR OF SCIENCE IN PETROLEUM ENGINEERING

Chiagozie Camillus Agbatah
Yousef Khalid Y. Alhammad ²
Luai Abdullah Aljishi ³
Jovanny Valentin Andrade
Alexandrea Onza Antonio
Mark Luis Bermudez
Sarah Jacqueline Castany
Rensol H. Cheng ⁶
Christopher A. Davidson

Tuan Ngoc Dinh
Saloumeh Ebrahimzadeh
Seif Elfeky ⁶
Kassem Elsayed
Kendall C. Farrell ²
Juan Sebastian Garcia
Joseph Daniel Harmier
Jason Thomas Hu ³
Yannick Jimbueam Yao
Mohammed Ali Khan
Donovan Patrick Kuan
Hieu Quoc Le
Ana Chabeli Mend Lopes
Don D. Nguyen
Jorge Alberto Pereida-Hernandez ³
Hung Pham
Marco Reginato
Syed Abdul Rehman
Katherine Elizabeth Chere Reyes
Luis F. Reyes
Omar Isidro Rodriguez-Arellano
Brandon Saavedra ²
Kendall J. Sizemore ³
David Sang Hoon Song
Daniela Tasso
Tyler D. Todd
Khoa Dang Tran
Hunter Jackson Wylie
Antonio R. Zapata
Xi Zhang
Venera Zhumagulova

¹ Summa Cum Laude - ² Magna Cum Laude - ³ Cum Laude - ⁴ Banner Bearer (highest GPA)

⁵ University Honors with Honors in Major - ⁶ University Honors - ⁷ Honors in Major

The Alma Mater

All hail to thee,
Our Houston University.
Our hearts fill with gladness
When we think of thee.
We'll always adore thee
Dear old varsity.
And to thy memory cherished,
True we'll ever be.

Academic Regalia

THE ATTIRE of the participants dates back to the 12th and 13th centuries, when universities began to be established in Europe. In 1321, at the University of Coimbra in Portugal, gowns were required attire not just for faculty members, but also for students of all classifications. Other European universities started requiring gowns, but there was not a standard design. In 1887, Gardner Leonard volunteered to design the graduation gowns for his class at Williams College. His design, as well as the standardization of colors to denote areas of study, were later adopted by an intercollegiate commission, and are the ones used today by most United States colleges and universities.

GOWNS. The bachelor's gown has long pointed sleeves; the master's gown has an oblong sleeve open at the wrists (some older gowns may be open near the upper part of the arm); the doctoral gown is fuller than the others with full-length velvet panels on the front and three velvet crossbars on each sleeve in black or in the color distinctive to the academic discipline of the wearer's degree.

HOODS. The hood, worn by master's and doctoral degree recipients, drapes over the shoulders and down the back and indicates the academic discipline to which the degree pertains; the field of the hood denotes the university that conferred the degree. The size of the hood indicates the level of the degree.

CAPS. The black mortarboard is the most common cap used. The tassel fastened to the center of the cap is black, although it may be the color appropriate to the subject of the degree. The tassel for the doctoral cap may be of gold thread. Candidates for bachelor's degrees wear the tassels on the right side, shifting it to the left side after being awarded their degrees. Candidates for master's and doctoral degrees wear their tassels on the left side from the outset and do not shift them after receiving their degrees.

BACHELOR'S DEGREES	<i>Gown:</i> Black <i>Tassel:</i> Orange
MASTER'S DEGREES	<i>Gown:</i> Black <i>Hood:</i> Orange <i>Tassel:</i> Black
DOCTORAL DEGREES	<i>Gown:</i> Black <i>Hood:</i> Dark Blue <i>Tassel:</i> Old Gold

A special thanks to the Convocation Committee and volunteers who assisted in making this memorable event possible.

Convocation Committee

Fallon Noel

Convocation Coordinator and Administrative Assistant

Lesley Sisk

Academic Advisor III

Shirley Mate

Academic Advisor III

Miranda Vernon-Harrison

Academic Records Coordinator

Roshawnda Anderson

Assistant to the Dean

Volunteers

Erene Abraham

Rachel Craig

Jenna Donnelly

Cyrena Edwards

Veronica Ellison

Katelyn Finnegan

Kenneth Garcia

Sharon Hall

Claire Holley

Zaniffa Jan

Trina Johnson

Caitlin MacNeil

Kaitlin Mallory

Emily McGovern

Charkethia Mimms

Lupe Munoz

Tracy Pringer

Jose Rodriguez

Monica Sanchez

Cecily Smith

Dawn Smith

Nicolette Solano

Kimberlie Spencer

Anne Sturm

Yolanda Thomas

McChelle Turner

Brandie Yale

Cullen College of Engineering

AUTOGRAPH & MEMORIES



