





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 to 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 all have one thing in common: you are 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, Cougar engineers! 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 and Professor



Convocation Speaker

GABRIEL CUADRA

Vice President for Compliance, Gulf of Mexico

In his current role, Gabe Cuadra is responsible for compliance with legal and regulatory agreements for the BP Exploration & Production's Gulf of Mexico Operations. He held a similar post in his previous role at the Texas City Refinery where he was also responsible for communications, investigations, internal assurance, leadership and culture, and the development of management systems and work processes. In

addition to his recent roles focused on compliance, Gabe has held numerous business leadership, commercial, operations management, and engineering roles throughout his 25 years with Amoco and now BP. Gabe's tenure includes a technology development project in Argentina and Retail Business Unit Leadership for Latin America based in Mexico City. He is a two time recipient of the company Chairman's Award and also received the Technology Award in 1998.

A native Houstonian, Gabe attended Strake Jesuit College Preparatory and completed his BS in Chemical Engineering at the University of Houston in 1988. He also graduated Magna Cum Laude from the University's Executive Masters in Business Administration in 1995.

Gabe serves as BP's Executive Sponsor for the University of Houston where he leads university relations, corporate funding, and recruiting activities for BP. He has served as the vice-president for UH's Chemical and Biomolecular Engineering Industrial Advisory Board and Chair of the Cullen College of Engineering Leadership Advisory Board.

Mr. Cuadra has been married to his wife, Joanne for twenty five years and has two sons, Gabriel and Benjamin of whom he is very proud. As a family they enjoy the outdoors, traveling, and working together on various projects.

University of Houston
Cullen College of Engineering

Convocation

Saturday, May 13, 2017, 2 p.m.
NRG Arena

PROCESSIONAL	Grand Marshal Chad Wilson <i>Instructional Assistant Professor</i> Grand Marshal Leonard Trombetta <i>Associate Professor</i> Faculty Banner Bearer Platform Party Dean Joseph Tedesco
PRESENTATION OF THE COLORS	UH ROTC
NATIONAL ANTHEM	ManCorps
WELCOME AND INTRODUCTORY REMARKS	Joseph W. Tedesco <i>Elizabeth D. Rockwell Dean and Professor</i>
CONVOCATION ADDRESS	Gabriel Cuadra <i>Cullen College of Engineering Alumnus</i>
PRESENTATION OF BEST DISSERTATION AWARDS	Suresh Khator <i>Associate Dean for Graduate Programs and Computing Facilities</i>
PRESENTATION AND HOODING OF DOCTORAL CANDIDATES	Mike Lejeune <i>Presenter</i>
PRESENTATION OF MASTER'S CANDIDATES	Mike Lejeune <i>Presenter</i>
PRESENTATION OF BACHELOR'S CANDIDATES	Mike Lejeune <i>Presenter</i>
CLOSING REMARKS	Dean Tedesco
ALMA MATER	ManCorps
RECESSIONAL	

Event music provided by ManCorps, Moores School of Music.



Cullen College of Engineering

The University of Houston Cullen College of Engineering, established in 1941, is accredited by the Engineering Accreditation Commission of ABET. The Cullen College is ranked among the top 100 engineering schools in the country and is recognized as one of Best Engineering Schools of 2017 by U.S. News & World Report.

Approximately 5,000 students are enrolled in engineering courses—3,722 undergraduates as well as 1,247 master's 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 space architecture, subsea, aerospace, materials, and computer and systems engineering. Chemical, mechanical, electrical, computer and civil engineering are ranked among the top graduate programs nationally by U.S. News & World Report.

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 and 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
and Biomolecular Engineering*

Roberto Ballarini

*Chair, Department of Civil
and Environmental Engineering*

Badrinath Roysam

*Chair, Department of Electrical
and Computer Engineering*

Gino Lim

*Chair, Department of
Industrial Engineering*

Pradeep Sharma

*Chair, Department of
Mechanical Engineering*

Mohamed Soliman

*Chair, Department of Petroleum
Engineering*

Russell Dunlavy

Chief Development Officer - UH STEM

Stephen Bangerter

Executive Director of Business Operations

Audrey Grayson

Executive Director of Communications

Jagannatha Rao

*Director of Online Programs and
Extension Services*

Janice Quiroz-Perez

*Director of the Engineering
Career Service Center*

Roshawnda Anderson

Assistant Dean of Administration

National Academy of Engineering Members

J.J. Azar

Petroleum Engineering

Benton Baugh

Subsea Engineering

Charles Cutler

Chemical and Biomolecular Engineering

Christine Ehlig-Economides

Petroleum Engineering

John Lienhard

Mechanical Engineering

Dan Luss

Chemical and Biomolecular Engineering

Andrea Prosperetti

Mechanical Engineering

Kaushik Rajashekhara

Electrical and Computer Engineering

James Symons

Civil and Environmental Engineering

Jerome Schultz

Biomedical Engineering

Ganesh Thakur

Petroleum Engineering

Anestis Velestos

Civil and Environmental Engineering

Kaspar Willam

Civil and Environmental Engineering

Department of Biomedical Engineering

Mohammad Abidian

Associate Professor

Metin Akay

Professor and Chair

Yasemin Akay

Instructional Assistant Professor

Muayyad Al-Ubaidi

Professor

Joseph Francis

Associate Professor

Howard Gifford

Associate Professor

Nuri Ince

Assistant Professor

Kirill Larin

Professor

Sheereen Majd

Assistant Professor

Elebeoba May

Associate Professor

Chandra Mohan

Professor and Associate Chair

Muna Naash

Professor

Ahmet Omurtag
Associate Professor

Jerome Schultz
Biomedical Engineering

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
Associate Professor

Vincent Donnelly
Professor

Demetre Economou
Professor

Lars Grabow
Assistant Professor

Michael Harold
Professor and Chair

Ramanan Krishnamoorti
Professor

Dan Luss
Professor

Michael Nikolaou
Professor

Jeremy Palmer
Assistant Professor

Jeffrey Rimer
Associate Professor

Megan Robertson
Assistant Professor

Navin Varadarajan
Associate Professor

Peter Vekilov
Professor

Richard Willson
Professor

Jonathan Worstell
Instructional Professor

Department of Civil and Environmental Engineering

Roberto Ballarini
Professor and Chair

Abdeldjelil Belarbi
Professor

Mina Dawood
Associate Professor

Egor Dontsov
Assistant Professor

Craig Glennie
Associate Professor

Reagan Herman
Instructional Associate Professor

Thomas Hsu
Professor

Yandi Hu
Assistant Professor

Konrad Krakowiak
Assistant Professor

Hyongki Lee
Assistant Professor

Arturo Leon
Associate Professor

Stacey Louie
Assistant Professor

Yi-Lung Mo
Professor

Kalyana Nakshatrala
Assistant Professor

Hanadi Rifai
Professor and Associate Dean

William Rixey
Associate Professor and Associate Chair

Debora Rodrigues
Associate Professor

Ramesh Shrestha
Professor

Joseph Tedesco
Professor and Dean

Cumaraswamy Vipulanandan
Professor

Keh-Han Wang
Professor

Kaspar Willam
Professor

Department of Electrical and Computer Engineering

Jiming Bao
Associate Professor

Masoud Barati
Instructional Assistant Professor

Aaron Becker
Assistant Professor

Stanko Brankovic
Associate Professor

Ji Chen
Professor

Jiefu Chen
Assistant Professor

Jinghong Chen
Associate Professor

Yuhua Chen
Associate Professor

Frank Claydon
Professor and Director

Jose Contreras-Vidal
Professor

Xin Fu
Assistant Professor

Zhu Han
Professor

Thomas Hebert
Associate Professor

David Jackson
Professor

Han Le
Professor

Huang Quang Le
Instructional Assistant Professor

Jung Uk Lim
Instructional Assistant Professor

Dmitri Litvinov
Professor

Stuart Long
Professor

David Mayerich
Assistant Professor

Hien Nguyen
Assistant Professor

Miao Pan
Assistant Professor

Shin-Shem Pei
Professor

Saurabh Prasad
Assistant Professor

Kaushik Rajashekara
Professor

Badrinath Roysam
Professor and Chair

Paul Ruchhoeft
Associate Professor

Xiaonan Shan
Assistant Professor

David Shattuck
Associate Professor

Bhavin Sheth
Associate Professor

Wei-Chuan Shih
Associate Professor

Leonard Trombetta
Associate Professor and Associate Chair

John Wolfe
Professor

Yan Yao
Assistant Professor

Wanda Zagozdzon-Wosik
Associate Professor

Department of Industrial Engineering

Christopher Chung
Associate Professor

Qianmei Feng
Associate Professor

Ali Kamrani
Associate Professor

Suresh Khator
Professor and Associate Dean

Gino Lim
Professor and Chair

Jiming Peng
Associate Professor

Lawrence Schulze
Associate Professor

Randal Sitton
Instructional Associate Professor

Yaping Wang
Instructional Assistant Professor

Department of Mechanical Engineering

Ashutosh Agrawal
Assistant Professor

Daniel Araya
Assistant Professor

Haleh Ardebili
Associate Professor

Richard Bannerot
Professor

Theocharis Baxevanis
Assistant Professor

Christina Chang
Instructional Assistant Professor

Xuemei Chen
Instructional Assistant Professor

Yi-Chao Chen
Professor

Matthew Franchek
Professor

Hadi Ghasemi
Assistant Professor

Karolos Grigoriadis
Professor

Yashashree Kulkarni
Associate Professor

Dong Liu
Associate Professor

Holley Love
Instructional Assistant Professor

Philippe Masson
Assistant Professor

Anastassios Mavrokefalos
Assistant Professor

Ralph Metcalfe
Professor

Andrea Prosperetti
Professor

Jagannatha Rao
*Associate Professor,
Associate Chair and Director*

Jae-Hyun Ryou
Assistant Professor

Venkat Selvamanickam
Professor

Pradeep Sharma
Professor and Chair

Gangbing Song
Professor

Li Sun
Professor

Su Su Wang
Professor

Kenneth White
Professor

Di Yang
Assistant Professor

Cunjiang Yu
Assistant Professor

Department of Petroleum Engineering

Christine Ehlig-Economides
Professor

Lori Hathon
Assistant Professor

Dimitrios Hatzignatiou
Professor

Konstantinos Kostarelos
Associate Professor

Michael Myers
Associate Professor

Guan Qin
Associate Professor

Mohamed Soliman
Professor and Chair

Ganesh Thakur
Professor

Huai Wang
Instructional Assistant Professor

George Wong
Associate Professor

Division of Undergraduate Programs and Student Success

Daniel Burleson
Instructional Assistant Professor

Diana de la Rosa-Pohl
Instructional Assistant Professor

Jerrod Henderson
Instructional Assistant Professor

Erin McCave
Instructional Assistant Professor

Chad Wilson
Instructional Assistant Professor

Best Ph.D. Dissertation Award

Spring 2017

This semester, we have awarded the following individual a plaque and a check for \$1,000 for being the outstanding dissertation award winner:

Katy N. Olafson,

Ph.D. in Chemical Engineering

DISSERTATION TITLE: Deciphering the Molecular Interactions between
Antimalarials and Hematin Crystal Surfaces

DISSERTATION ADVISORS: Dr. Peter Vekilov and
Dr. Jeffrey Rimer

The Honors College Honors

The Honors College at the University of Houston offers students special opportunities to develop their academic abilities. Below are the Honors College honors designations.

University Honors with Honors in Major

Students who complete the Honors College curriculum (36 hours) and complete a senior honors thesis.

University Honors

Students who complete the Honors College curriculum and elect not to complete a senior honors thesis.

Collegiate Honors and Collegiate Honors with Honors in Major

Students who fulfill the requirements for the honors program in the college of their major, including 21 hours of honors courses; who complete an Honors College minor, or who complete 21 hours of approved honors courses. If students also complete a senior honors thesis, they graduate with Collegiate Honors with Honors in Major.

Membership in The Honors College and Membership in The Honors College with Honors in Major

Students who affiliate with the Honors College during their undergraduate years and complete fewer than 21 hours of honors courses. If students also complete a senior honors thesis and fulfill the requirements of their major with distinction, they graduate with Membership in The Honors College with Honors in Major.

Honors in Major

Students who complete a senior honors thesis but are not members of the Honors College.

Honors Recipients

University Honors with Honors in Major

Rawan Hussein Almallahi

Vikash B Patel

University Honors

Ashwin P. Antony
Irbaz Imtiyaz Arab
Shivam Yogesh Bhakta
Christiana Sokeland Freitas Chamon
Elizabeth Rachel Dunn
Sujata Gautam
Christopher G. Gay
Kevin J. Gu
Moriah Stephanie Hargrove Anders
Nairah Hashmi
Nancy Angelica Ibarra
Daniel Jarjour
Zachary M. Khan
Saniya Khowaja
Maria Ciara Lalata

Tara Elise Mars
Jorge Luis Martore
Kevin J. McEnery
Rafi M. Mohammed
Kasan K. Momin
Christina Renee Ramsey
Phillip Andrew Reid
Tevin J. Richards
Stephanie Nicole Roohi
Benjamin William Rose
Ruqaiya Taha Shipchandler
Daniel Sierra
Franklin Tam
Carol M. Upchurch
Christopher Colby Wiggs

Collegiate Honors

Melati Amtar
Maria F. Djuanda
Dylan Eser Jose
Eric R. Hudgins
Jose Victor Lopez
Clayton Manchaca

Eunice Marquez
Rachel W. Mills
Tri Huu Nguyen
Raaz Saeed Pathan
Anthony P. Richmond
Maria Angelica Rodriguez Bermudez

Collegiate Honors with Honors in Major

Tam Nguyen

Luc Hoang To

Membership in The Honors College

Fernando Sergio Curiel

Rogelio Fonseca

Lauren Ford

Ayodh Y. Patel

Membership in The Honors College with Honors in Major

Vijay Arjun Dharmaraj

Honors in Major

Tarek Ghoneim

Aqib Hasnain

Munib A. Hasnain

Minahil Samee

Outstanding Seniors of the Year

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 2017 recipients of these awards.

Outstanding Senior of the Cullen College of Engineering

Tam Nguyen

Departmental Outstanding Seniors

Outstanding Biomedical Engineering Student

Vijay Arjun Dharmaraj

Outstanding Chemical Engineering Student

Phillip Andrew Reid

Outstanding Civil Engineering Student

Christopher Colby Wiggs

Outstanding Computer Engineering Student

Tevin J. Richards

Outstanding Electrical Engineering Student

Andrew Maicke

Outstanding Industrial Engineering Student

Christopher Avalos

Outstanding Mechanical Engineering Student

Tam Nguyen

Outstanding Petroleum Engineering Student

Bryan K. Printz

Honors

Academic Honors are based on the requirements of the catalogue year students entered the university. The final designation for honors is determined by the Provost's Office upon final completion of all degree requirements.

PRE-FALL 2010 CATALOGUE

Undergraduate students who complete their degree requirements under any catalogue prior to Fall 2010 will graduate with the stated academic honors if they achieve the following grade point averages earned in the last sixty-six (66) hours completed at the University of Houston.

3.75 to 4.0	Summa Cum Laude (with Highest Honors)
3.50 to 3.74	Magna Cum Laude (with High Honors)
3.25 to 3.49	Cum Laude (with Honors)

FALL 2010 CATALOGUE TO PRESENT

Undergraduate students who complete their degree requirements under, and since, the Fall 2010 catalogue will graduate with the stated academic honors if they achieve the following grade point averages earned in the last fifty-four (54) hours completed at the University of Houston.

3.90 to 4.0	Summa Cum Laude (with Highest Honors)
3.70 to 3.89	Magna Cum Laude (with High Honors)
3.50 to 3.69	Cum Laude (with Honors)

Spring 2017

DOCTOR OF PHILOSOPHY IN BIOMEDICAL ENGINEERING

Haleh Aghajani

Assessment of mental workload
by EEG+fNIRS

ADVISOR: Dr. Ahmet Omurtag

Majid Latif Jr.

Nathaniel Z. Piety

Microfluidic and Paper-Based Devices
for the Analysis of Red Blood Cells:
Improving the Quality and Accessibility
of Diagnosis, Monitoring and
Treatment for Sickle Cell Disease

ADVISOR: Dr. Sergey S. Shekopyas

Taha Salim

Experimental and Computational Modeling of
Dynamic Formation of the Proinflammatory

Microenvironment in Response to
Francisella tularensis LVS Infection

ADVISOR: Dr. Elebeoba May

DOCTOR OF PHILOSOPHY IN CHEMICAL ENGINEERING:

Jihae Chung

Role of Polyprotic Acids as Inhibitors
of Calcium Oxalate Crystallization

ADVISOR: Dr. Jeffrey D. Rimer

Sanbir Kaler

Etching of Silicon Materials using
Plasma Beams from Finfet Processing
to Atomic Layer Etching

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

Aaditya Khanal

Numerical Study and Production
Forecasting of Unconventional
Liquid-Rich Shale Reservoirs with
Multi-Fractured Horizontal Wells
ADVISOR: Dr. Guan Qin

Qiaowei Lou

Optical Spectroscopic Studies
of CH₃F with O₂/CO₂ and
C₄F₈ Inductively Coupled Plasmas

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

Yang Ning

Numerical Modeling and Simulation
of Natural Gas Transport in Multi-
Scale Shale Digital Rocks using the
Lattice Boltzmann Method

ADVISOR: Dr. Guan Qin

Katy N. Olafson

Deciphering the Molecular Interactions of
Antimalarials to Hematin Crystal Surfaces

ADVISORS: Dr. Peter Vekilov and
Dr. Jeffrey Rimer

DOCTOR OF PHILOSOPHY IN CIVIL ENGINEERING

Justin Chang

Structure-Preserving High
Performance Computational Methods
for Transport in Porous Media

ADVISOR: Dr. Kalyana Babu Nakshatrala

Ahmed Amine El Kacimi El Hassani

Interface Characterization of Embedded
Fiber Reinforced Polymer Strands in
Sensing Cement and Polymer Composites

ADVISOR: Dr. Cumaraswamy Vipulanandan

Cullen College of Engineering
CANDIDATES FOR GRADUATION

Meng Liu

Reliability Analysis of Carbon Fiber Reinforced Polymer (CFRP) Strengthened Steel Beams

ADVISOR: Dr. Mina Dawood

Can Xu

Modeling Material Degradation Due to Moisture and Temperature

ADVISOR: Dr. Kalyana Babu Nakshatrala

Ting Yuan

Congo Wetlands Hydrology using SAR, INSAR, and Radar Altimetry

ADVISOR: Dr. Hyongki Lee

**DOCTOR OF PHILOSOPHY
IN ELECTRICAL ENGINEERING**

Nikunj Arunkumar Bhagat

Brain-Machine Interface controlled neuromuscular stimulation for grasping in stroke and spinal cord injury survivors

ADVISOR: Dr. Jose L. Contreras-Vidal

Fahrettin Firat Gonen

Real-Time Visual Stimulus Selection through Attentional and Decisional Processes

ADVISOR: Dr. Haluk Ogmen

Hung Khanh Nguyen

Big Data Optimization for Distributed Resource Management in Smart Grid

ADVISOR: Dr. Zhu Han

Fahira Sangare

RF Energy Harvesting and Information Transfer Implementation in the Internet of Things

ADVISOR: Dr. Zhu Han

Hao Wu

Semi-supervised and Deep Learning for Hyperspectral Image Analysis

ADVISOR: Dr. Saurabh Prasad

Qi Zeng

RF Shimming Impacts on RF-Induced Heating for Medical Implants at 3T

ADVISOR: Dr. Ji Chen

Zhuan Zhu

Investigation of Environmental Stability of Methylammonium Lead Iodide Perovskite and Its Interaction with Water

ADVISOR: Dr. Jiming Bao

**DOCTOR OF PHILOSOPHY
IN ENVIRONMENTAL ENGINEERING**

Aparna Balasubramani

Carbon-Based Technologies for Remediating Polychlorinated Biphenyls in Contaminated Sediment

ADVISOR: Dr. Hanadi S. Rifai

**DOCTOR OF PHILOSOPHY
IN INDUSTRIAL ENGINEERING**

Guvan Kaya

Large Scale Optimization Models and Algorithms in Healthcare Delivery

ADVISOR: Dr. Gino J. Lim

**DOCTOR OF PHILOSOPHY
IN MATERIALS ENGINEERING**

Meysam Heydari Gharahcheshmeh

Shahab Shervin

Flexible III-Nitride-Based Materials and Devices for Electronic and Photonic Applications

ADVISOR: Dr. Jae-Hyun Ryou

DOCTOR OF PHILOSOPHY IN MECHANICAL ENGINEERING

Himani Agrawal

Continuum and Atomistic Reinvestigations
of Protein Membrane Interactions

ADVISORS: Dr. Pradeep Sharma and
Dr. Yashashree Kulkarni

Renzo Ivan Beraun Escudero

Weijie Li

Innovative Structural Health
Monitoring Using Smart Sensors

ADVISOR: Dr. Gangbing Song

Yi Lu

Electrowetting (EW) Modulation of Droplet
and Bubble Dynamics and Its Application
to Critical Heat Flux (CHF) Enhancement

ADVISOR: Dr. Dong Liu

Amine Meziou

Low-Dimensional Modeling of
Two-Phase Flow in Pipelines

ADVISOR: Dr. Matthew Franchek

Ala Eddine Omrani

Multiphase Flows in Vertical Pipelines

ADVISOR: Dr. Matthew A. Franchek

MASTER OF SCIENCE IN BIOMEDICAL ENGINEERING

Jaganth Nivas Asok Kumar

Christopher J. Candelari

Chika A. Okolo

Kelsey M. Smegner

MASTER OF SCIENCE IN CIVIL ENGINEERING

Parameswaran Ariram

Matthias Heinrich Bowman

Aji George

Erick Ika

Ashley Schneider Poe

Seng Sok

Upender Telukuntla

Mythili Thevamaran

MASTER OF CHEMICAL ENGINEERING

Shahab Malayeri

MASTER OF SCIENCE IN CHEMICAL ENGINEERING

Kyle Andrew Karinshak

Hanyang Li

Anh Viet Vu

MASTER OF SCIENCE IN COMPUTER AND SYSTEMS ENGINEERING

Sai Prakash Reddy Addula

Aditya Bhaskaruni

Nithish Reddy Billa

Anil Sai Bodepudi

Priya Dixit

Abhinav Gundlapalli

Rohan Gupta

Alekhya Karavadi

Sneha Kolli

Sreedhar Gupta Kothamachu

Vishnu Prashad Kumar

Harish Maram

Venkata Naga Raja Sekhar Nanduri

Chaitanya Narayanavaram

Rohith Navulla

Praveen Gayatree Pendyala

Srinivasa Karthic Ponguru

Saya Pradeep

Cullen College of Engineering
CANDIDATES FOR GRADUATION

Sakshi Rajpal
Amara Datta Sachidananda
Nagoor Saheb Shaik
Sai Ramya Tanniru
Bharath Vemula
Deepti Ramachandra Walvekar
Yuanshuo Yang
Devi Mounika Yarra

**MASTER OF SCIENCE
IN ELECTRICAL ENGINEERING**

Anirudh Shandilya Annavajhala
Viraj Bhagat
Indra Narayana Sandilya Bhogaraju
Mary C. Burbage
Amaldev Devadas
Osman A. Jamshed
Khalil Tarek Khalil
Surya Teja Kondala
Rebecca Elizabeth Kusko
Madhuri Manjunath
Dhruv Mukesh Modi
Jaffer Mohammed Ismail
Maanasa Mohanambal Sathianarayanan
Srijani Mukherjee
Suhas Reddy Nalla
Pallavi-Dilip Pant
Chintankumar Natvarbhai Patel
Divya Rajendran
Chinmay Bharat Shah
Shalini Singh
Soumya Sinha
Chandrayee Soneja
Srinivasa Subrahmanyan Puneeth Vandrapu
Vani Murthy Vellanki
Arun Viswanathan Mahadev
Chen Wang

**MASTER OF ELECTRICAL
ENGINEERING**

Sneha Gadamsetty
Amani Jridi
Lakshmi Kesavan
Mohammed Hussain Shareef
Siswitha Yadlapati
Tong Yang

**MASTER OF SCIENCE IN
ENVIRONMENTAL ENGINEERING**

Roshni D. Krishnasing
Sean Christopher Smith

**MASTER OF INDUSTRIAL
ENGINEERING**

Lakshman Chakravarthy Attuluri
Rishi Manojbhai Bavishi
Lapaigearian Ceasar
Karan Bharatbhai Desai
Rakesh Gajula
Balaji Govindarao
Muhammad Asad Hafeez
Hessam Harandi
Zaida Y. Hernandez
Naveen Reddy Jakka
Dharani Reddy Kalluru
Sri Sai Krishna Chaitanya Kari
Akhil Kumar Reddy Kariveda
Renu Khatri
Nayan Vitthal Kulkarni
Kishan Kumarapuram Ranganathan
Rohit Basavaraj Kumbar
Viraj Pravin Lele
Karthik Marella
Aditya Masur
Keerthi Sagar Muralidhar

Sandeep Reddy Nallamilli
Vivek Pabla
Shantanu Bhartkumar Panchal
Dhruv Hasmukhbhai Patel
Bhushan Jayeshkumar Patel Aka
Kachhiyapatel
Sarang Patil
Venkata Gopi Sai Pavan Kumar
Ponakampalli
Dhavalkumar Vishnubhai Prajapati
Sudeep Puvvada
Anirudh Ranganatha
Sai Tejaswi Ravulapalli
Adil Singh Sandhu
Arun Scaria Dominic
Shalin Suhaskumar Shah
Rushang Nipam Shah
Amol Mehl Shah
Deepak Shankar
Kunal Singh
Pradeep Kumar Singireddy
Srivignesh Somasundaram
Venkata Sai Santhosh Somisetty
Vignesh Subbu Krishna
Arathy Surendran
Abhiram Tanna
Dhinesh Thiru Narayanan Muralitharan
Venkata Siva Arun Tippavajjula
Sai Dheeraj Veeravalli
Siva Naga Sudhakar Velivela
Vignesh Vivekanandan
Nitin Yendapally

MASTER OF SCIENCE IN INDUSTRIAL ENGINEERING

Bilal Majeed
Maulin Yogesh Raval

MASTERS OF SCIENCE IN MATERIALS SCIENCE AND ENGINEERING

Yao Wei Chia
Kuan Chih Huang
Tzu-Han Li
Hui Xian Mah
Navjot Singh Randhawa

MASTER OF MECHANICAL ENGINEERING

Diego Alejandro Rojas

MASTER OF SCIENCE IN MECHANICAL ENGINEERING

Aman Nilesh Bhav
Akash L. Dewnani
Ravishanker V. Gampa
Garrett T. Hallmark
Manikandan Jayaraman
Ramsha Khan
Sai Krishna Pranav Kompalli
Alexander S. Kortum
Sairam Krishna Chaitanya Manda
Rizwan Mohammed
Graham Michael Mullings
AbhiShaileshkumar Patel
Saikiran Reddy Peddabavi
Nikunj Rakeshkumar Rana
Sahil Nitin Ray
Ankit Sinha
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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.

Words and music by Harmony Class of 1942

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

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

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