

# Erik Jonsson School of Engineering and Computer Science

## Combination of Engineering and Management Graduate Degrees

Today's graduates aspiring to assume managerial and leadership positions in high tech firms and research institutions must be knowledgeable in both the engineering and managerial dimensions of the position. In recognition of this growing reality, UT Dallas offers a blend of courses allowing students to earn a combination of master's level degrees in both engineering and management. Specifically, graduates of this program will qualify to earn an MSEE degree in combination with an MBA or a degree in Management.

### Faculty

The combination of master's level degrees in both engineering and management are jointly administered by the faculty members in the Department of Electrical Engineering in the Erik Jonsson School of Engineering and Computer Science and the Naveen Jindal School of Management.

### Objectives

The program of studies leading to the award of an MSEE degree by the Erik Jonsson School of Engineering and Computer Science in combination with one of the following master's degrees, MBA or MS, offered by the Naveen Jindal School of Management, provides intensive preparation for engineers who seek knowledge and skills necessary to manage a technology firm. This program emphasizes both Electrical Engineering and Engineering Management, preparing students for a career in management and for holding leadership positions in engineering companies and research institutions. The program of studies is ideal for students interested in managing new technologies, from conceptualization and development to introduction and production.

NOTE> Please be advised, the admissions section below feeds in from a separate page. Any changes made to the admissions section below will not be retained. Please contact [catalog@utdallas.edu](mailto:catalog@utdallas.edu) with any questions.

### Admission and Degree Requirements

The University's general admission requirements are discussed on the [Graduate Admission](#) page.

Students pursuing the MSEE degree in combination with a master's degree in management must meet the admission requirements for both graduate programs. The University's general degree requirements are discussed on the [Graduate Policies and Procedures](#) page. For this program of studies, the Jindal School of Management will accept a competitive GRE performance in lieu of the GMAT.

## Combination of MSEE and MBA graduate degrees

68 semester credit hours minimum

### ECS Faculty

FACG> ecs-electrical-engineering-msee

**Professors:** Bilal Akin, Naofal Al-Dhahir, Poras T. Balsara, Dinesh Bhatia, Carlos A. Busso-Recabarren, Yun Chiu, Babak Fahimi, John P. Fonseka, William R. Frensley, Andrea Fumagalli, John H. L. Hansen, Rashaunda Henderson, Nasser Kehtarnavaz, Kamran Kiasaleh, Gil S. Lee, Hoi Lee, Jeong-Bong Lee, Jin Liu, Dongsheng (Brian) Ma, Giorgos (Yiorgos) Makris, Hlaing Minn, Aria Nosratinia, Mehrdad Nourani, Kenneth K. O, Lawrence J. Overzet, Issa M. S. Panahi, Siavash Pourkamali, Mohammad Saquib, Carl Sechen, Mark W. Spong, Lakshman Tamil, Murat Torlak, Dian Zhou

**Associate Professor:** Chadwin D. Young

**Assistant Professors:** Benjamin Carrion Schafer, Joseph Friedman, Matthew Gardner, Qing Gu, Yang Hu, Jae Mo Park, Kaveh Shamsi

**Chair Emeritus:** Mathukumalli Vidyasagar

**Professors Emeriti:** Andrew J. Blanchard, C. Robert Helms, Duncan L. MacFarlane, William J. Pervin, Don Shaw

**Associate Professor Emeritus:** Gerald O. Burnham

**Research Professors:** Andrew Marshall, Hisashi (Sam) Shichijo

**Professors of Instruction:** James Florence, Jung Lee, Randall E. Lehmann, Miguel Razo-Razo, Ricardo E. Saad, William (Bill) Swartz, Marco Tacca

**Associate Professors of Instruction:** Md Ali, Diana Cogan, Matthew Heins, Rabah Mezenner, Neal Skinner

**UT Dallas Affiliated Faculty:** Larry P. Ammann, Leonidas Bleris, Yves J. Chabal, Fabiano Da Silveira Rodrigues, Massimo V. Fischetti, Matthew J. Goeckner, Zygmunt Haas, Kenneth Hoyt, Russell A. Hulse, Jiyoung Kim, Moon J. Kim, David J. Lary, Yaoyu Li, S.O. Reza Moheimani, Wooram Park,

Robert L. Rennaker II, Mario A. Rotea, Justin Ruths, Tyler Summers, Yonas Tadesse, William Vandenberghe, Amy V. Walker, Robert M. Wallace, Steve Yurkovich, Jie Zhang

## JSOM Faculty

FACG> jsom-master-of-business-administration-mba

**Professors:** Ashiq Ali, Alain Bensoussan, Gary Bolton, Metin Çakanyildirim, Huseyin Cavusoglu, Jianqing Chen, William M. Cready, Milind Dawande, Gregory G. Dess, Umit G. Gurun, Kyle Hyndman, Sanjay Jain, Ganesh Janakiraman, Elena Katok, Dmitri Kuksov, Nanda Kumar, Seung-Hyun Lee, Stanley Liebowitz, Zhiang (John) Lin, Sumit K. Majumdar, Amit Mehra, Syam Menon, Vijay S. Mookerjee, B. P. S. Murthi, Vikram Nanda, Özalp Özer, Mike W. Peng, Suresh Radhakrishnan, Srinivasan Raghunathan, Ram C. Rao, Brian Ratchford, Michael J. Rebello, Gil Sadka, Sumit Sarkar, Suresh P. Sethi, Kathryn E. Steckle, Wing Kwong (Eric) Tsang, Jun Xia, Ying Xie, Harold Zhang, Zhiqiang (Eric) Zheng

**Associate Professors:** Mehmet Ayvaci, Nina Baranchuk, Norris Bruce, Zhonglan Dai, Rebecca Files, Dorothee Honhon, Surya N. Janakiraman, Robert L. Kieschnick Jr., Atanu Lahiri, Jun Li, Ningzhong Li, Livia Markóczy, Toyah Miller, Ramachandran (Ram) Natarajan, Naim Bugra Ozel, Anyan Qi, Young U. Ryu, Harpreet Singh, Upender Subramanian, Shaojie Tang, Shouqiang Wang, Kelsey D. Wei, Han (Victor) Xia, Yexiao Xu, Alejandro Zentner, Jieying Zhang, Yuan Zhang, Feng Zhao, Yibin Zhou

**Assistant Professors:** Emily Choi, Joonhwi Joo, Sheen Levine, Meng Li, Radha Mookerjee, Alejandro Rivera Mesias, Alessio Saretto, Serdar Simsek, Shervin Tehrani, Christian Von-Drathen, Steven Xiao, Zhe (James) Zhang

**Associate Professors Emeriti:** J. Richard Harrison, Jane Salk

**Clinical Professors:** Abhijit Biswas, Larry Chasteen, David Cordell, Howard Dover, John Gamino, Randall S. Guttery, William Hefley, Sonia Leach, Peter Lewin, Jeffrey Manzi, Divakar Rajamani, Daniel Rajaratnam, Kannan Ramanathan, Mark Thouin, Jeff Weekley, Habte Woldu, Fang Wu, Laurie L. Ziegler

**Clinical Associate Professors:** Shawn Alborz, Carolyn Reichert, Avanti P. Sethi

**Clinical Assistant Professors:** Athena Alimirzaei, Moran Blueshtein, Judd Bradbury, Jeffery (Jeff) Hicks, Revansiddha Khanapure, Liping Ma, Ravi Narayan, Parneet Pahwa, Drew Peabody

**Professors of Instruction:** Charles Hazzard, Chris Linsteadt, Luell (Lou) Thompson

**Associate Professors of Instruction:** Ayfer Gurun, Maria Hasenhuttl, Hubert Zydorek

**Professors of Practice:** Tiffany A. Bortz, Alexander Edsel, Rajiv Shah

**Associate Professors of Practice:** Jackie Kimzey, Steven Solcher

**Assistant Professor of Practice:** Edward Meda

**Senior Lecturer:** Prithi Narasimhan

## Overview

The combination of MSEE and MBA degrees can be earned by completing a minimum of 68 graduate semester credit hours beyond prerequisite courses. This includes a minimum of 24 semester credit hours of approved electrical engineering (EE) courses in combination with a minimum of 44 semester credit hours of approved management courses.

Students enrolled in this combination of MSEE and MBA degree programs are permitted to:

- utilize a maximum of 9 semester credit hours from the approved list of management courses together with 12 semester credit hours of approved elective EE courses to satisfy the required 21 semester credit hours of elective courses listed in the [MSEE degree requirements](#), and
- utilize a maximum of 9 semester credit hours from the approved list of EE courses together with 15 semester credit hours of approved elective MBA courses to satisfy the 24 semester credit hours of elective courses listed in the [MBA degree requirements](#).

Students are required to meet all other core and elective requirements for the MSEE and MBA degrees to obtain the combination of the MSEE with MBA graduate degrees.

## Combination of MSEE with MS graduate degrees

51 minimum semester credit hours

## ECS Faculty

FACG> ecs-electrical-engineering-msee

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**Associate Professors of Practice:** Jackie Kimzey, Steven Solcher

**Assistant Professor of Practice:** Edward Meda

**Senior Lecturer:** Prithi Narasimhan

## Overview

The combination of MSEE and MS degrees can be earned by completing a minimum of 51 semester credit hours beyond prerequisites. This includes a minimum of 24 semester credit hours of approved electrical engineering courses in combination with a minimum of 27 semester credit hours of approved management courses for each of these management degrees.

Students enrolled in a combination of the MSEE and MS degree programs are permitted to:

- utilize a maximum of 9 semester credit hours from the approved list of management courses together with 12 semester credit hours of approved elective EE courses to satisfy the required 21 semester credit hours of elective courses listed in the MSEE degree requirements, and
- utilize a maximum of 9 semester credit hours from the approved list of EE courses in satisfying elective courses requirements for the MS degree requirements.

Students are required to meet all other core and elective requirements for the MSEE and MS degrees to obtain the combination of MSEE with MS graduate degrees.

All students must have a graduate advisor in the Department of Electrical Engineering in the Erik Jonsson School of Engineering and Computer Science and a graduate advisor in the Naveen Jindal School of Management who will advise on respective programs and approve a degree plan. The advising office in each school will provide a detailed listing of approved courses. Courses taken without advisor approval may not count toward the required semester credit hours. No degree will be awarded until the completion of all requirements, including the requirement for the 68 or 51

semester credit hours for the MSEE/MBA or MSEE/MS or combinations respectively.

If a student chooses at a later time to pursue only one of the two degree programs, the student **MUST** again seek admission into the degree program of the student's choice and satisfy the requirements of that degree program. Prior coursework relevant to the specific degree program will be transferred, provided the course requirements have not changed.

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