WM MICHAEL BARNES '64 DEPARTMENT OF INDUSTRIAL AND SYSTEMS ENGINEERING

Department Head: S. Bukkapatnam

Graduate Advisor: J. Geunes

The department offers Master of Science (MS), Master of Engineering (MEng) and Doctor of Philosophy (PhD) degrees in industrial engineering and a Master of Science (MS) in Engineering Management. Facilities for study and research are excellent, and participation in research is an integral part of the PhD program.

Departmental faculty working in diverse areas of industrial engineering provide students with a wide range of opportunities to gain valuable research experience. Faculty members are presently involved in research in applied statistical analysis, mathematical optimization, stochastic processes, production and inventory control, manufacturing processes and system organization, networks, systems simulation, manufacturing system analysis, quality and reliability engineering, human factors and cognitive ergonomics, transportation systems and logistics.

There is no foreign language requirement for the PhD in industrial engineering. Students in the industrial engineering PhD program are required to pass a departmental qualifying exam within three semesters of starting the program, and all students are required to maintain a GPA of 3.00 in order to remain in good academic standing and graduate. PhD students must also have a 3.0 GPA in order to meet the Preliminary Exam and the Final Exam requirements toward their degree.

Faculty

Abuabara, Alexander, Instructional Assistant Professor
Industrial & Systems Engineering
PHD, Texas A&M University, 2022

Aprahamian, Hrayer, Associate Professor
Industrial & Systems Engineering
PHD, Virginia Tech, 2018

Banerjee, Amarnath, Professor
Industrial & Systems Engineering
PHD, University of Illinois at Chicago, 1999

Bennett, Kem, Senior Professor
Industrial & Systems Engineering
PHD, Texas Tech University, 1970

Bukkapatnam, Satish T, Professor
Industrial & Systems Engineering
PHD, Pennsylvania State University, 1997

Butenko, Sergiy I, Professor
Industrial & Systems Engineering
PHD, University of Florida, 2003

Currie-Gregg, Nancy J, Professor Of The Practice
Industrial & Systems Engineering
PHD, University of Houston, 1997

Curry, Guy L, Senior Professor
Industrial & Systems Engineering
PHD, University of Arkansas, 1971

Diaz Martinez, Neil O, Instructional Assistant Professor
Industrial & Systems Engineering
PHD, Texas A&M University, 2023

Do, Michael D, Professor Of The Practice
Industrial & Systems Engineering
PHD, University of Arizona, 2012

Eckman, David J, Assistant Professor
Industrial & Systems Engineering
PHD, Cornell University, 2019

Eksin, Ceyhun, Associate Professor
Industrial & Systems Engineering
PHD, University of Pennsylvania, 2015

Elizondo, Jon P, Lecturer
Industrial & Systems Engineering
PHD, Texas A&M University, 2021

Elwany, Alaa, Professor
Industrial & Systems Engineering
PHD, Georgia Institute of Technology, 2009

Erraguntla, Madhav, Professor Of The Practice
Industrial & Systems Engineering
PHD, Texas A&M University, 1996

Feldman, Rich, Senior Professor
Industrial & Systems Engineering
PHD, Northwestern University, 1975

Ferris, Thomas K, Associate Professor
Industrial & Systems Engineering
PHD, University of Michigan at Ann Arbor, 2010

Garcia, Alfredo A, Professor
Industrial & Systems Engineering
PHD, University of Michigan, 1997

Geunes, Joseph Patrick, Professor
Industrial & Systems Engineering
PHD, Pennsylvania State University, 1999

Gutman, David Huckleberry, Assistant Professor
Industrial & Systems Engineering
PHD, Carnegie Mellon University, 2019

Idan, Lihi, Assistant Professor
Industrial & Systems Engineering
PHD, Yale University, 2022

Jeong, Jihoon, Assistant Professor
Industrial & Systems Engineering
PHD, University of Texas at Austin, 2020

Lawley, Mark A, Professor
Industrial & Systems Engineering
PHD, University of Illinois at Urbana-Champaign, 1995

Lee, Jaesung, Assistant Professor
Industrial & Systems Engineering
PHD, University of Wisconsin - Madison, 2022

Li, Yan, Assistant Professor
Industrial & Systems Engineering
PHD, Georgia Institute of Technology, 2024

Malave, Ceasar, Professor
Industrial & Systems Engineering
PHD, University of South Florida, 1987

Maros, Marie, Assistant Professor
Industrial & Systems Engineering
PHD, KTH Royal Institute of Technology, 2019

Mayer, Richard John, Professor Of The Practice
Industrial & Systems Engineering
PHD, Texas A&M University, 1988

Momcilovic, Petar, Associate Professor
Industrial & Systems Engineering
PHD, Columbia University, 2003

Moreno-Centeno, Erick, Professor
Industrial & Systems Engineering
PHD, University of California at Berkeley, 2010

Ntaimo, Lewis, Professor
Industrial & Systems Engineering
PHD, University of Arizona, 2004

Park, Jangho, Assistant Professor
Industrial & Systems Engineering
PHD, Virginia Tech, Blacksburg, 2021

Parsaei, Hamid R, Professor
Industrial & Systems Engineering
PHD, University of Texas Arlington, 1984

Pei, ZJ, Professor
Industrial & Systems Engineering
PHD, University of Illinois, 1995

Sagapuram, Dinakar, Associate Professor
Industrial & Systems Engineering
PHD, Purdue University, 2013

Sasangohar, Farzan, Professor
Industrial & Systems Engineering
PHD, University of Toronto, 2015

Smith, Donald R, Senior Associate Professor
Industrial & Systems Engineering
PHD, University of Arkansas, 1973

Tuo, Rui, Associate Professor
Industrial & Systems Engineering
PHD, Chinese Academy of Sciences, 2013

Valdez Flores, Ciriaco, Professor Of The Practice
Industrial & Systems Engineering
PHD, Texas A&M University, 1987

Wang, Shiren, Professor
Industrial & Systems Engineering
PHD, Florida State University, 2006

Wang, Yen J, Senior Lecturer
Industrial & Systems Engineering
PHD, Northwestern University, 1991

Zahabi, Maryam, Associate Professor
Industrial & Systems Engineering
PHD, North Carolina State University, 2017

Zhang, Shixuan, Assistant Professor
Industrial & Systems Engineering
PHD, Georgia Tech, 2022

Zhang, Xudong, Professor
Industrial & Systems Engineering
PHD, University of Michigan Ann Arbor, 1997

Masters

- Master of Engineering in Industrial Engineering (https://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/engineering/industrial-systems/meng/)
- Master of Engineering in Systems Engineering (https://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/engineering/industrial-systems/systems-engineering-meng/)
- Master of Science in Engineering Management (https://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/engineering/industrial-systems/engineering-systems-management-ms/)
- Master of Science in Industrial Engineering (https://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/engineering/industrial-systems/ms/)

Doctoral

- Doctor of Philosophy in Industrial Engineering (https://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/engineering/industrial-systems/phd/)

Certificates

- Industrial Data Analytics Certificate (https://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/engineering/industrial-systems/industrial-data-analytics-certificate/)