



PROGRAM SNAPSHOT

Operations Research and Industrial Engineering at The University of Texas at Austin is a highly ranked graduate-only (M.S. and Ph.D.) program that encompasses a broad range of analytical methodologies and techniques to assess and improve decision-making in a variety of complex systems. The discipline sits at the intersection between humans and the natural and engineered systems they interact with across industries. It's process-based and data-driven, with an eye toward helping people and organizations make high-quality decisions. Our graduates work in a wide range of industries and government institutions.

STUDENTS

- 70** Enrolled (M.S. and Ph.D.)
- 25%** of M.S. students are U.S. citizens
- 30%** of Ph.D. students are women
- 168** average quantitative GRE score for incoming 2017 students (93rd percentile)
- \$1 million** awarded in fellowships and assistantships per year

FACULTY

- 15** Tenure/tenure-track faculty
- The majority of ORIE faculty members have received NSF CAREER awards or other young investigator awards, they are INFORMS fellows, and many have served as presidents of the largest professional societies in INFORMS.*

DEGREES AWARDED 2016-17

- 25** Master's degrees
- 5** Doctoral degrees

After Graduation

- \$100,000** Average Starting Salary
- Graduates from ORIE at UT Austin join a variety of industries such as fintech, mobile, logistics and supply chain, revenue management, analytics, health care, financial services, energy and consulting.

RESEARCH AREAS

We approach our research areas in two dimensions — methods and applications.

Methods

- Deterministic Optimization
- Stochastic and Robust Optimization
- Stochastic Systems and Queueing
- Systems Engineering
- Decision Analysis
- Control Theory
- Scheduling

Applications

- Analytics
- Revenue Management
- Health Care Systems
- Energy Development and Policy
- Manufacturing Systems
- Transportation Networks
- Wireless Networks
- Electrical Power Systems
- Corporate Strategy

FACULTY FROM TOP PROGRAMS

ORIE is a highly ranked program that integrates faculty from top programs across The University of Texas at Austin.

#9 Overall Engineering Graduate Program

#9 Computer Science Graduate Program

#14 Mathematics Graduate Program

U.S. News & World Report

RECENT PROGRAM HIGHLIGHTS

The Institute for Operations Research and the Management Sciences (INFORMS) awarded its **2017 Franz Edelman Award for Achievement in Operations Research** to Holiday Retirement in partnership with Prorize LLC, a revenue management firm that was founded in 2006 by UT ORIE program alumnus Utku Yildirim and former instructor Ahmet Kuyumcu. The Edelman Award is the highest award for practice given by INFORMS.

Assistant professor **Evdokia Nikolova** received a National Science Foundation grant for her work on algorithms and mechanisms for the distribution grid. The goal is to create a grid that integrates prosumer, renewables and distributed energy resources.

In an op-ed published in Fortune, assistant professor **Ben Leibowicz** offered insights on what U.S. cities can do to continue fighting climate change in the wake of the country's withdrawal from the Paris climate agreement.

In conjunction with the UT Health Science Center in San Antonio, professor **Jonathan Bard** and his team developed new procedures for scheduling medical residents over the year to allow more time for them to sharpen their skills and provide outpatient care.

The **student chapter of the INFORMS** won the annual Magna Cum Laude Award and the 2016-17 student president, Shreya Gupta, received the INFORMS Service Award. Additionally, UT alumna Guzin Bayraksan won the organization's Distinguished Service Award.