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

**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

**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, Shreyas Gupta, received the INFORMS Service Award. Additionally, UT alumna Guzin Bayraksan won the organization’s Distinguished Service Award.

**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.

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