



**IRIS RIVERO, PH.D.**

DEPARTMENT CHAIR, PAUL AND  
HEIDI BROWN PREEMINENT CHAIR IN  
INDUSTRIAL & SYSTEMS ENGINEERING

The University of Florida's **Department of Industrial & Systems Engineering (ISE)** in the Herbert Wertheim College of Engineering was founded in 1965 based on years of coursework with a focus in engineering and management. Since then, the department has consistently expanded its teaching and research missions to include other areas of ISE.

Department excellence in these areas has allowed for recruiting of outstanding faculty and students who

have enhanced the existing curriculum and made major research contributions. Today, the department is highly ranked among public universities, and is creating new research concentration areas in data analytics and human systems, as well as developing new laboratories to support student hands-on learning and world-class research. The program is ABET-accredited and offers bachelor's, master's and doctorate degrees in ISE.

## RESEARCH AREAS

ADVANCED MANUFACTURING

DATA ANALYTICS

HEALTH SYSTEMS

HUMAN SYSTEMS

OPERATIONS RESEARCH

SMART PRODUCTION & LOGISTICS  
SYSTEMS

**#4**  
**PUBLIC**  
**UNIVERSITY**  
**FORBES, 2024**

## FACTS & FIGURES

**600+**

ENROLLED STUDENTS

UNDERGRADUATE INDUSTRIAL  
ENGINEERING PROGRAM

**#11**

AMONG PUBLIC UNIVERSITIES

2024 U.S. News & World Report

GRADUATE INDUSTRIAL  
ENGINEERING PROGRAM

**#14**

AMONG PUBLIC UNIVERSITIES

2024 U.S. News & World Report

**\$7M**

CURRENT RESEARCH  
AWARD FUNDING

**83%**

UNDERGRADUATE  
STUDENTS COMPLETE  
AT LEAST ONE  
INTERNSHIP

**52**

STUDENTS  
ENROLLED IN THE  
OEM PROGRAM



**Our Ph.D. graduates have filled academic roles at institutions** such as the University of Louisville, San Jose State University, and the University of Iowa





# GRADUATE PROGRAMS

MASTER OF ENGINEERING | MASTER OF SCIENCE | DOCTOR OF PHILOSOPHY

The mission of the graduate program at the Department of Industrial & Systems Engineering is to provide our students with marketable skills as well as preparing them to pursue further graduate work and/or independent research. Studies at the master's level culminate in the Master of Science or Master of Engineering degree. The M.E. degree requires an undergraduate engineering degree. The doctoral program covers the areas of data analytics, health systems engineering, human-systems engineering, operations research, risk management and financial engineering, and supply chain and logistics systems.

## RESEARCH SPECIALIZATIONS

### DATA ANALYTICS & ARTIFICIAL INTELLIGENCE

Applied Artificial Intelligence • Deep Learning Neural Networks • High-Dimensional Data Analytics • Statistical Analysis • Machine Learning • Multimodal Data • Data Analysis & Systems Monitoring

### OPERATIONS RESEARCH

Applied Optimization • Discrete Optimization • Network Optimization • Stochastic Optimization • Simulation • Stochastic Modeling • Quantitative Finance

### HUMAN FACTORS & ERGONOMICS

Human Systems • Human-Robot Interaction • Workplace Ergonomics • Occupational Biomechanics • Occupational & Systems Safety • Healthcare Systems & Medical Decision Making

### PRODUCTION, SERVICE & MANUFACTURING

Advanced Manufacturing • Engineering Management • Supply Chain & Logistics • Information Technology • Smart Manufacturing



## EDGE: ELECTRONIC DELIVERY OF GATOR ENGINEERING

EDGE is a great way to earn an online master's degree in industrial and systems engineering. This innovative program features the same preeminent instructors as traditional degree tracks — delivered online.



EDGE is also perfect for learners looking for a specific course to support their lifelong engineering professional development. Students can take one to three courses per semester, or take a semester off with no penalty.

## APPLICATION REQUIREMENTS

ONLINE APPLICATION

RESUME

STATEMENT OF PURPOSE

THREE LETTERS OF RECOMMENDATION

UNOFFICIAL TRANSCRIPTS/DEGREE DOCUMENTS

GRE WAIVED FOR ALL PH.D. PROGRAMS AND MASTER'S PROGRAMS

TOEFL OR IELTS SCORES FOR INTERNATIONAL STUDENTS

ALWAYS CHECK DEPARTMENTAL ADMISSIONS WEBSITES FOR POSSIBLE ADDITIONAL REQUIREMENTS

## DEADLINES

### FALL ADMISSION

PH.D. PRIORITY DEADLINE: DEC. 5

MASTER'S PRIORITY DEADLINE: JAN. 5

### SPRING ADMISSION

CHECK WITH GRADUATE STAFF IN YOUR PREFERRED DEPARTMENT FOR ADDITIONAL DETAILS



## APPLICATION FEE WAIVERS

### MASTERS



### PH.D.

