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DEPARTMENT CHAIR, PAUL AND HEIDI BROWN PREEMINENT CHAIR 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, such as optimization, information systems, and supply chain and logistics systems.

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

Data Analytics

Focus on process monitoring and modeling, adaptive sampling, high dimensional data analysis, integrated simulation and optimization methods

Health Systems

Medical decision-making, personalized medicine, treatment models, quantitative human systems analyses in healthcare

Human Systems

Human motion monitoring, activity classification, biometrics, usability in safety critical systems, human-robot interaction, driver safety, physiological signal processing/analysis

Operations Research

Focus on stochastic and discrete optimization, stochastic modeling and control, data-driven modeling, algorithm design and analysis, and network optimization

Smart Production & Logistics Systems

Supply chain design and operation, process datamining, statistical methods for data reduction, machine learning for process classification and decision making, data-driven stochastic inventory control, inventory and production planning for manufacturing and maintenance systems

FACTS & FIGURES

600+
ENROLLED STUDENTS

\$6.9M CAREER RESEARCH FUNDING

UNDERGRADUATE STUDENTS

48% WOMEN
45% UNDERREPRESENTED GROUPS

\$82k AVERAGE STARTING SALARY FOR MASTER'S DEGREE GRADUATES

87% UNDERGRADUATE STUDENTS COMPLETE AT LEAST ONE INTERNSHIP

GRADUATE INDUSTRIAL ENGINEERING PROGRAM

#11
AMONG PUBLIC UNIVERSITIES

56% STUDENTS WHO HAVE A GPA OVER 3.50

48 STUDENTS ENROLLED IN THE OEM PROGRAM

