



## CENTERS & LABS

### CENTER FOR APPLIED OPTIMIZATION LAB

Promotes interdisciplinary applied research in discrete and network optimization among other applications

### COMPUTATIONAL & STOCHASTIC OPTIMIZATION LAB

Focused on modeling of large-scale, stochastic integer programs

### DATA INFORMATICS OF SYSTEMS IMPROVEMENT & DESIGN LAB

Develops efficient data analytics and operations research algorithms for designing, modeling, monitoring, and controlling data-rich systems for performance improvement

### HEALTH-ENGINE LAB

Develops innovative analytical solutions for effective and affordable healthcare practices

### HUMAN-SYSTEMS ENGINEERING LAB

Focused on quantitative models of human performance and design

### SUPPLY CHAIN & LOGISTICS ENGINEERING CENTER

An interdisciplinary center focused on applied projects with industry partners.



**DAVID KABER, PH.D.**  
DEAN'S LEADERSHIP  
PROFESSOR &  
DEPARTMENT CHAIR

In 1965, **the Department of Industrial & Systems Engineering** (ISE) was established 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.



## UNDERGRADUATE STUDENTS

**438**  
ENROLLED

**40%**  
UNDERREPRESENTED  
MINORITIES

**45%**  
FEMALE

## GRADUATE STUDENTS

**181**  
ENROLLED

**49%**  
UNDERREPRESENTED  
MINORITIES

**36%**  
FEMALE

Information sourced from the 2022 U.S. News & World Report & ASEE's "Engineering by the Numbers" 2019 report



## FACULTY

**16** TENURED/TENURE-TRACK  
FACULTY AND GROWING

## RESEARCH AREAS

- DATA ANALYTICS
- HEALTH SYSTEMS
- HUMAN SYSTEMS
- OPERATIONS RESEARCH
- SMART PRODUCTION & LOGISTIC SYSTEMS

