UF

MECHANICAL & AEROSPACE ENGINEERING

AT A GLANCE



WARREN DIXON, PH.D.

DEAN'S LEADERSHIP PROFESSOR, DISTINGUISHED PROFESSOR, AND DEPARTMENT CHAIR The Department of Mechanical & Aerospace Engineering pursues greater understanding of the fundamentals of force, displacement, energy, and evolution of motion as a means to develop predictive theory, design, manufacture, power, and control systems. Our Mechanical Engineering program celebrated its 100 year anniversary in 2009 and is one of the founding departments of the Herbert Wertheim College of Engineering. Now more than a decade beyond the successful merger of the mechanical and

aerospace programs, MAE remains a vibrant and intellectually diverse program at both the undergraduate and graduate levels.

Through innovations from 68 faculty members and more than 2,700 undergraduate and graduate students, the department has comprehensive body of research in all areas of mechanical and aerospace engineering with world-class renown in various areas.

RESEARCH AREAS

AI/MACHINE LEARNING

AERONAUTICS

ASTRONAUTICS

BIOENGINEERING

CONTROL & OPTIMIZATION

DESIGN & MANUFACTURING

DIGITIAL ENGINEERING

ENERGY CONVERSION & STORAGE

ENGINEERING EDUCATION

FLUID DYNAMICS & ACOUSTICS

MULTISCALE MODELING & SOLID MECHANICS

ROBOTICS & AUTONOMOUS SYSTEMS

SOFT MATTER

THERMAL TRANSPORT

THERMODYNAMICS AND POWER

#4

PUBLIC UNIVERSITY FORBES, 2024

FACTS & FIGURES

2,792+

ENROLLED STUDENTS

UNDERGRADUATE STUDENTS

45%

UNDERREPRESENTED GROUPS **24.5**%

WOMEN

GRADUATE MECHANICAL AND AEROSPACE ENGINEERING PROGRAM

#19

AMONG PUBLIC UNIVERSITIES

23

CAREER AWARD WINNERS

38

FELLOWS: IEEE, ACM AAAS

17

ACTIVE GRANTS
OVER \$1 MILLION

\$20M

RESEARCH EXPENDITURES (2021-2022)

120

PATENTS GRANTED (2012-2020)



OUT OF 40 PH.D. STUDENTS ENROLLED IN THE MECHANICAL AND AEROSPACE PROGRAM, 23.6 PERCENT ARE WOMEN.

2023 DEPARTMENTAL ENROLLMENT DATA.



DOMESTIC STUDENTS COMPRISE 77.8 PERCENT OF UF MAE PH.D. ENROLLMENT. 2022 DEPARTMENTAL ENROLLMENT DATA

