UF MECHANICAL AND AEROSPACE ENGINEERING

AT A GLANCE



WARREN DIXON, PH.D.

The University of Florida's Department of Mechanical & Aerospace Engineering in the Herbert Wertheim College of 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. We explore the combination of physics, mathematics, data, and information with advances in AI & machine learning to educate our diverse world and address enduring societal problems. Through innovations from 68

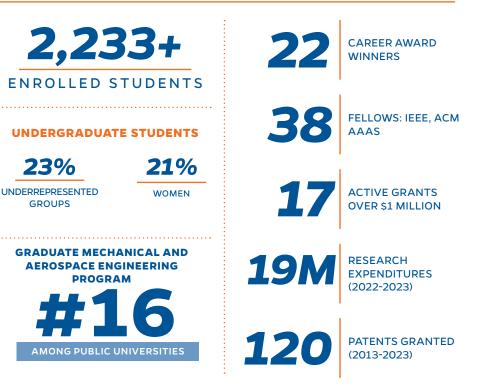
faculty members and more than 3,200 undergraduate and graduate students, the department has comprehensive body of research in all areas of Mechanical and Aerospace Engineering with worldclass renown in areas such as Autonomy, Multiphase and Multiscale Dynamics, Cryogenics, Soft Matter, Thermal Transport, Alternative Energy Systems, and others. As a result, we are privileged to lead multiple large-scale federal Centers of Excellence and have strong industrial networks.

RESEARCH AREAS

AI/Machine Learning Aeronautics Astronautics Bioengineering **Control and Optimization Design and Manufacturing Digitial Engineering Energy Conversion and Storage Engineering Education** Fluid Dynamics and Acoustics **Multiscale Modeling and Solid** Mechanics **Robotics and Autonomous** Systems Soft Matter Thermal Transport, **Thermodynamics and Power**



FACTS & FIGURES





OUT OF 40 PH.D. STUDENTS ENROLLED IN THE MECHANICAL AND AEROSPACE ENGINEERING PROGRAM, 23.6 PERCENT ARE WOMEN. 2023 DEPARTMENTAL ENROLLMENT DATA



DOMESTIC STUDENTS COMPRISE 77.8 PERCENT OF UF MAE'S PH.D. ENROLLMENT. 2023 DEPARTMENTAL ENROLLMENT DATA

UF Herbert Wertheim College of Engineering UNIVERSITY of FLORIDA

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POWERING THE NEW ENGINEER