



AEROSPACE LAB



Aerospace Laboratory Now Open at Polytechnic University

We're excited to announce the opening of the **New Aerospace Laboratory** at Polytechnic University—a cutting-edge space designed to support students in the aerospace concentration of mechanical engineering. This state-of-the-art facility is equipped with the latest technology, offering hands-on experience to prepare students for careers in the aerospace industry.

The lab will be used for curriculum-based experiments, senior Capstone projects, research initiatives, and aerospace competitions. It's open to faculty and students working in the three key areas of aerospace engineering: **Manned Aerospace Vehicle Design, Propulsion Systems Design, and Unmanned Aerial System Design.**

Among the advanced equipment available are subsonic and **supersonic wind tunnels, a gas turbine engine, dynamic modeling platforms like the Aero 2 and 3 DOF systems, and tools for autonomous vehicle research.** These resources will allow students to explore aerodynamics, propulsion, structural analysis, and control systems firsthand.

Located in the heart of Central Florida—home to NASA, Boeing, SpaceX, and more—this lab strengthens our mission to prepare graduates for impactful careers in one of the nation's leading aerospace hubs. **A Boost for Florida's Aerospace Industry!**

We invite you to visit our campus and see how we're shaping the future of aerospace.

Best regards,

Ernesto Vazquez Martinez
President of PUPR

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