PROGRAM DESCRIPTION
Cal Poly Aerospace Engineering students prepare for careers in aerodynamics, propulsion, stability and controls, and structures of aircraft, missiles and spacecraft. The problems faced by the aerospace industry offer an exciting engineering challenge, and an opportunity for our students to gain valuable hands-on experience in design and manufacturing.

OUR MISSION
To educate students for professional aerospace careers of technical responsibility and leadership in a modern, multidisciplinary, system-based environment. This is achieved through a hands-on approach in labs integrated with a systems view of engineering and a team-centered, yearlong, capstone design experience.

CONCENTRATIONS OFFERED
- Aeronautics, which focuses on the design, building and testing of aircraft and related systems; and Astronautics, which focuses on complex space-based systems, spacecraft power and communications systems and spacecraft design.

LABS INCLUDE:
- Aircraft and Spacecraft Design
- Aerothermodynamics
- Computational Fluid Dynamics
- Control Systems
- Flight Simulation
- Nano-Satellite Design
- Orbital Debris Analysis
- Propulsion
- Space Environments and Testing
- Unmanned Aerial Systems

ASSOCIATED CLUBS
- Advanced Structures Design and Manufacturing Lab — aero.calpoly.edu/clubs/asdm
- Aircraft Design and Construction Club — calpolyadcc@gmail.com
- American Institute of Aeronautics and Astronautics (AIAA) — aiaa.calpoly.edu
- Cal Poly Design/Build/Fly — twitter: @calpolydbf
- Cal Poly Space Systems — cpspacesystems.com
- CPInterSEP — aero.calpoly.edu/clubs/cpintersep
- CubeSat and PolySat — polysat.org
- PROVE Lab — provelab.com
- Sigma Gamma Tau — sgt.aero.calpoly.edu

AEROSPACE ENGINEERING GRADUATES
Aerospace Engineering graduates are employed in industries whose workers design or build aircraft, missiles, systems for national defense or spacecraft. Major employers include NASA, The Boeing Co., Lockheed Martin Corp., Northrop Grumman Corp., and United Launch Alliance.

462 undergraduate students enrolled in Aerospace Engineering
39 graduate students enrolled in the Blended BS+MS programs