Background
UCI Cargo Plane participates in the Society of Automotive Engineers (SAE) Aero Design West Competition. This competition provides engineering students exposure to real-life engineering challenges in the aerospace industry.

Goal
Our goal is to win the SAE Aero Design West Competition. In order to achieve this goal, we must create a bush plane design that can operate from short runways while carrying outsized cargo.

Requirements
- Maximum Loaded Weight: 55 lbs.
- Maximum Wingspan: 10 ft.
- Maximum Power: 1000W
- Takeoff Runway: 100 ft.
- Cargo: Size 5 Soccer Balls & Steel Plates
- CG Requirement: Flyable in empty and loaded configuration

Cargo Plane 2019-2020 Budget

Contact Information
Advisor | John C. LaRue | jclarue@uci.edu
Project Manager | Maximiliano Flores | maximisf@uci.edu

Specifications

Team Structure

Specifications

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Team Members
- Project Manager: Maximiliano Flores
- Advisor: John C. LaRue
- Fabrication Manager: Brandon LaRue
- Flight Test Manager: Lucas Castro
- Flight Test Engineer: Daniel Smith
- Production: Edward Lee
- Manufacturing: Brian Lu
- Assembly: Emily Aslan
- Content: Megan Bailey
- Marketing: Isabella Santos
- Publicity: Scout Vargas
- Publicity: Tyler Leung
- Web: Jack Liu
- Web: Olivia Chiu
- SAE Competition: April 3rd - 5th
- Flight Test: March 13th
- Assembly Complete: March 6th
- SAE Competition: April 3rd - 5th
- Redesign: February 14th
- Testing: January 31st
- Manufacturing: December 6th
- Research and Design: November 8th
- Cargo Plane 2019-2020 Budget
- Competition ($1,200) Controls ($1,350) Wing ($1,030) Fuselage ($976) Tail ($429) Tools ($670)

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