



UNIVERSITY OF ALBERTA

AERO DESIGN

SPONSORSHIP

PACKAGE 2025-2026



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ABOUT US

FLYING ABOVE: PURSUING THE PASSION OF AEROSPACE

University of Alberta Aero Design is an **interdisciplinary engineering student group** dedicated to designing and manufacturing unmanned aerial vehicles (UAVs) from the ground up. Each year, the team develops a fully functional RC aircraft capable of flight and payload delivery, with the goal of competing in the SAE Aero Design Competition, an internationally recognized engineering design challenge.

Founded in 1985, UAlberta Aero Design is one of the University of Alberta's **longest-standing** student engineering project groups. Since its inception, the team has consistently provided students with the opportunity to apply engineering principles in a practical, team-based environment while representing the university on the global stage.

OUR MISSION

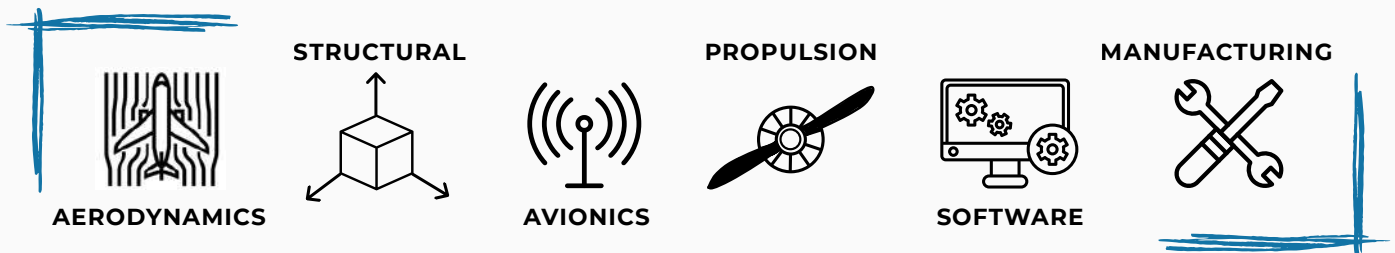
To engage students in the design, fabrication, and optimization of competitive unmanned aerial systems, fostering interdisciplinary collaboration, technical excellence, and innovation at the University of Alberta.



OUR TEAM

Each year, **UAlberta Aero Design continues to grow**. Not only in technical ambition but in the opportunities it offers to the new students joining every year. As the team takes on more advanced challenges, such as entering the SAE Advanced Class, students are exposed to increasingly complex systems and cutting-edge technologies.

Students can get involved in specialized sub-teams:



Beyond technical expertise, UAlberta Aero Design members develop skills in project management, communication, and teamwork. For many, Aero Design is a defining part of their undergraduate experience. It's a place where they tackle real engineering challenges, make meaningful design decisions, and see their ideas take flight, often for the first time. These experiences directly prepare students for careers in aerospace, robotics, automotive, and other cutting-edge engineering fields.

Today, UAlberta Aero Design carries on its legacy of innovation and excellence, building competitive aircraft and proudly representing the University of Alberta at the SAE Aero Design Competition.

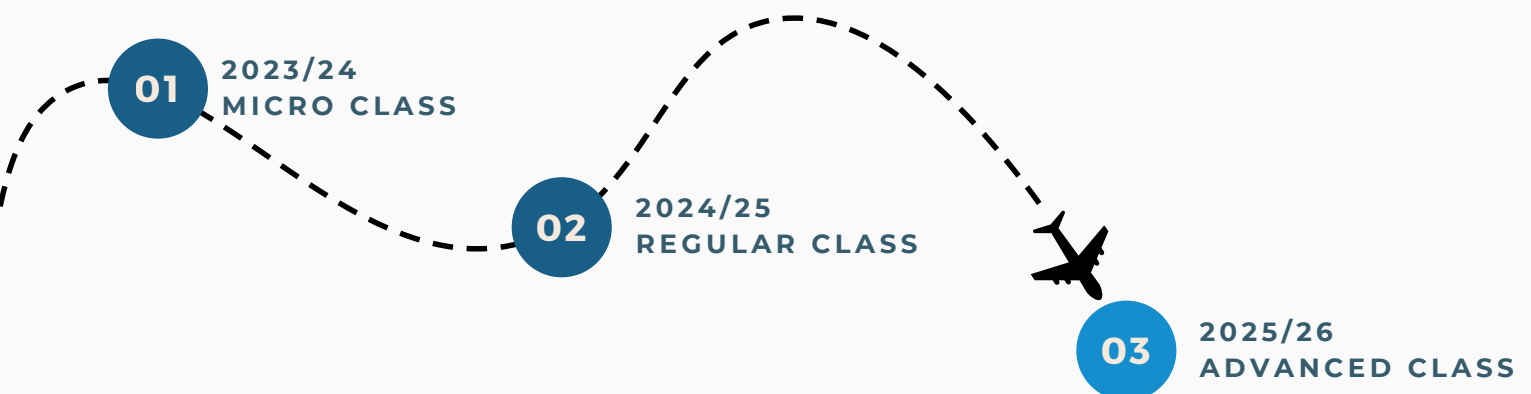


THE COMPETITION

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UAlberta Aero Design competes annually in the **SAE Aero Design Competition**, an international event that challenges university teams to design, build, and fly fixed-wing radio-controlled aircraft. The competition mirrors a complete engineering development cycle, from concept and analysis to fabrication and flight testing. This offers students valuable hands-on experience in aerodynamics, manufacturing, systems integration, and project management.

The competition is divided into three classes: Micro, Regular, and Advanced. UAlberta Aero Design has successfully advanced through each class over the past seasons, and for the 2025–2026 season, we are focusing on the Advanced Class which is the most technically demanding tier of the competition.



ADVANCED CLASS

2025/26: The Next Chapter

UAlberta Aero Design is stepping up to the Advanced Class, marking an exciting evolution for the team. This decision reflects our desire to leverage the unique blend of software and electrical expertise we have this year, adding new dimensions to our design beyond aerodynamics and manufacturing.

While the aircraft is still in the early design phase, we're eager to tackle the challenges of autonomy, real-time control, and system integration that define this next-level competition. It's a bold step that pushes us to expand our skills and innovate at the intersection of hardware and software.



OUR BUDGET

2025-2026

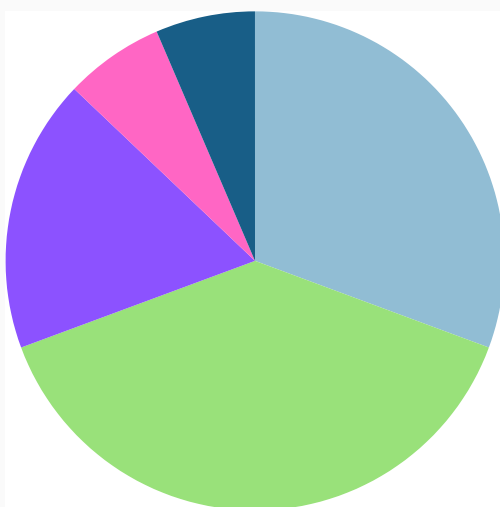
Last year, UAlberta Aero Design invested over **\$24,500** into travel, materials, competition fees, and outreach initiatives, all in pursuit of hands-on learning, cutting-edge design, and excellence on the international stage.

This year, we're aiming even higher. As our team grows and we take on the challenge of building a more technically complex aircraft for the Advanced Class competition, our projected costs have increased to **\$31,000**. Unfortunately, rising manufacturing and transportation expenses have forced us to scale back. This limits the number of students who can attend competition and represent the University of Alberta and forces the team to simplify part of the design due to material costs.

With your support, we can change that. Your contribution will help us:

- Invest in higher-quality materials that bring our innovative designs to life without compromise
- Prototype and test with advanced technologies, increasing our chances of success on competition day
- Send more of our skilled and dedicated team members to proudly represent our university — and your company — on the international stage

Together, we can turn ambition into achievement. **Help us take flight.**



	SAE Competition fees \$5 500
	Administration \$2 000
	Transportation \$2 000
	Manufacturing + Testing \$9 500
	Travel \$12 000

TOTAL: \$31 000

WHY SPONSOR AERO DESIGN?

EXPOSURE

We'll proudly showcase your brand across our platforms and projects . Including social media, official reports, team apparel, and more! Your support will be visible to a wide audience of University of Alberta students, peers from universities worldwide, recent graduates, and professionals across the aviation industry.



COMMUNITY OUTREACH

UAlberta Aero Design works hand in hand with the community to inspire youth across the province. This includes events like the Canada Wide Science Fair, Alberta International Airshow, and FIRST® Robotics Season Kickoff at the Telus World of Science. With your support, we can share our passion for STEM with Albertan youth!

NETWORKING AROUND THE GLOBE

Not only will your company gain exposure to top talent at the University of Alberta, but the international scope of the competition means your brand will also reach hundreds of passionate aerospace students from over 45 universities around the world!



SPONSORSHIP TIERS

GROUND CONTROL	ECONOMY	BUSINESS	FIRST CLASS	PILOT
In Kind	(\$250)	(\$500)	(\$1000)	(\$2500+)
Small Logo on Club Banner ✈ Website ✈ Social Media Post	Small Logo on Club Banner ✈ Small Logo on Plane ✈ Website ✈ Team uniform ✈ Social Media Post	Small Logo on Club Banner ✈ Medium Logo on Plane ✈ Website ✈ Team uniform ✈ Social Media Post	Medium Logo on Club Banner ✈ Large Logo on Plane ✈ Website ✈ Team uniform ✈ Social Media Post	Main Logo on Club Banner ✈ Large Logo on Plane ✈ Website ✈ Header Logo on Team uniform ✈ Individual Social Media Post

We appreciate every bit of support, it truly makes a difference.

Here's what you can expect in return for your sponsorship: all tiers include parts or services of equivalent value, ensuring your contribution directly fuels our success.

We also offer bespoke sponsorship packages tailored to your company's goals! Let's work together to create a partnership that delivers real value for both sides.

If you have any questions, ideas, or special requests, we'd love to hear from you. **Our sponsors mean the world to us, and we'll make sure everyone knows it.**



SULLEY

A look into how our 2024-2025 Regular class plane fared against 36 teams

TECHNICAL PRESENTATION

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OVERALL

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Wingspan: 15 feet
Tip-to-Tail Length: 9 feet
Mean Aerodynamic Chord: 26.3 inches
Aspect Ratio: 7.12
Maximum Static Thrust: 42.5 newtons
Empty Weight: 22.9 pounds
Estimated Payload: 26.6 pounds

The 2024–2025 season marked the launch of Sulley, UAlberta Aero Design's Regular Class aircraft, engineered to maximize payload-to-weight ratio while maintaining structural and aerodynamic performance.

All aircraft components could be disassembled into segments no longer than 48 inches, with wingtip installation restricted to the runway. This demanded a modular airframe architecture, featuring precision-designed joints and reinforced connection interfaces to ensure structural continuity and load transfer under flight conditions. Sulley represented a leap forward in modular aircraft design and demonstrated the team's ability to innovate under complex real-world constraints!

PERRY

A look into how our 2023-2024 Micro class plane fared against 15 teams

DESIGN REPORT

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OVERALL

3



Wingspan: 48 inches

Tip-to-Tail Length: 52.4 inches

Mean Aerodynamic Chord: 12 inches

Aspect Ratio: 4

Maximum Static Thrust: 4.7 pounds

UAlberta Aero Design Micro Class with Perry, a compact, mission-optimized UAV engineered for maximum efficiency within stringent wingspan limitations. A key technical highlight of Perry was its capability to carry a liquid payload which proved to be a complex challenge that necessitated meticulous weight distribution management and stability optimization to maintain controlled flight dynamics.

Perry's performance was exceptional, achieving 3rd overall out of 15 teams at SAE Aero Design East and securing 2nd place in the written design report!



CONTACT US

If you have any questions, comments, concerns, or are interested in becoming a sponsor, don't hesitate to reach out.

We look forward to hearing from you!



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