

2021-22

Design, Build, Fly

SPONSORSHIP INFORMATION



UNIVERSITY *of* WASHINGTON



Letter from the Chief Engineer

Dear Potential Sponsor,

My name is Caleigh and I have the pleasure of serving as the Chief Engineer for the 2021-22 Design, Build, Fly team. While the team primarily worked virtually this past year due to the COVID-19 pandemic, thanks to the generous support from our sponsors, the team was able to push the boundaries and construct a strong, innovative aircraft. As we transition back to in-person operations, we will continue to provide club members with opportunities to gain experience outside of a typical classroom, drive next-level design and manufacturing, and help students apply what they learn. Whether sponsors provide monetary or material donation, the team relies on the contributions of individuals and organizations such as yourself. Any support that can be provided is greatly appreciated and used to grow the next generation of engineers. The following document details more about DBF and how we intend to use contributions and give back to those who choose to sponsor us. On behalf of the Design, Build, Fly team, thank you for taking the time to consider this opportunity.

Sincerely,



Caleigh Stagnone
Chief Engineer 2021-2022

Lead Contact Information



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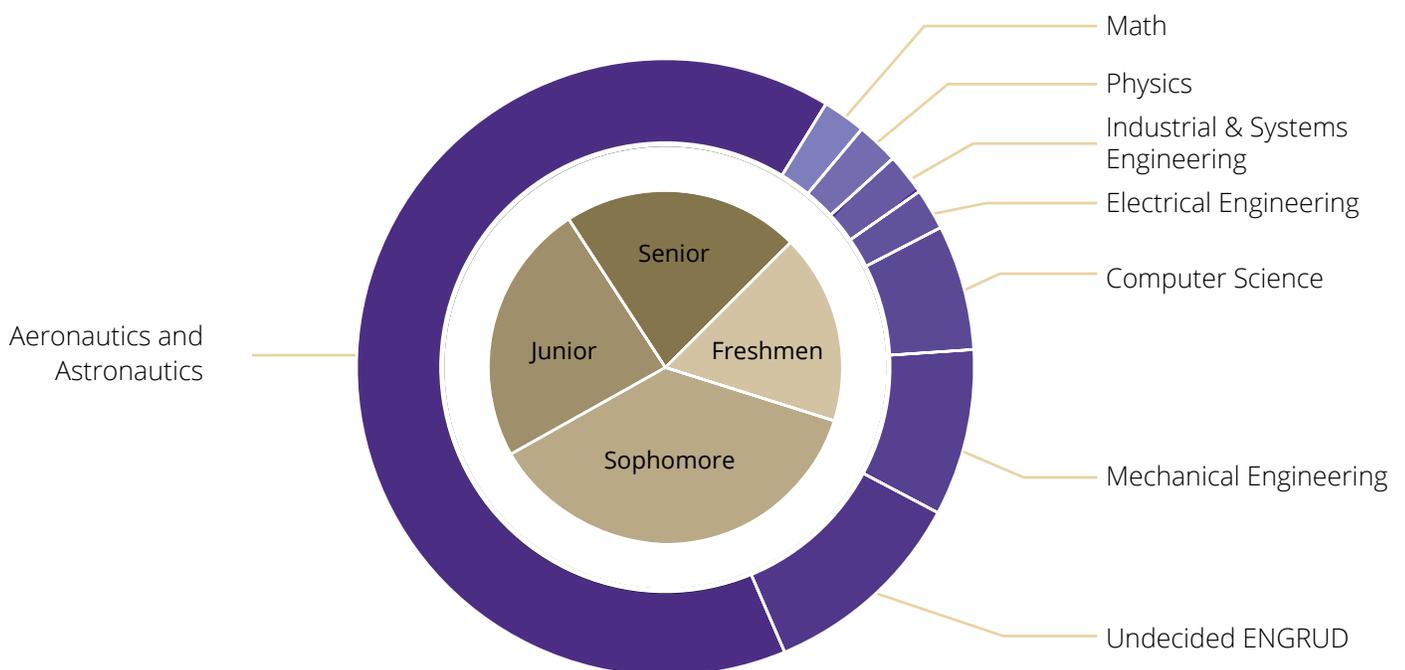


linkedin.com/company/dbfuw

What is DBF at UW?

The Design, Build, Fly team at the University of Washington is a student-run organization with the mission of providing large-scale project experience to the student population of the university. The team competes in the AIAA Design Build Fly competition, in which the AIAA assigns each team several flight missions and a list of design requirements that must be completed by the RC aircraft submitted to the competition. Our team rigorously examines these mission parameters in order to design, construct, and fly an aircraft optimized to best fulfill that flight criteria.

Unlike many other AIAA DBF engineering teams, DBF at UW is primarily composed of freshman and sophomore students. In fact, DBF was founded specifically to provide a hands-on team oriented experience to younger students to facilitate the growth of the skills necessary to succeed in industry. By focusing on collaboration, communication and individual voice, DBF creates an inclusive team environment that produces high quality products and engineers.



The Team

Structures Team

- Designs all load bearing components.
- Responsible for the build integration of all sub-components.

FEA Team

- Performs Finite Element Analysis on key structural members.
- Validates design through 3-D models and simulations.

Aerodynamics Team

- Responsible for the external geometry of the aircraft.
- Runs Computational Fluid Dynamics simulations to predict aircraft performance.
- Compares wind tunnel data to predicted performance.

Materials & Manufacturing Team

- Selects the materials and manufacturing methods for the aircraft.
- Responsible for detailed fabrication of aircraft.
- Performs design review of aircraft with an emphasis on manufacturability of components.

CAD Team

- Responsible for drafting of aircraft and aircraft components.
- Integrates components across all sub-teams.

Business Team

- Responsible for budget, sponsorship, and purchasing.
- Manages the team fundraiser and social media.



Why Sponsor DBF



Business Promotion

As part of a sponsorship, your company's logo will appear on all DBF promotional materials, including team shirts, reports, and the plane itself. Your company will be recognized by the team's members and followers and will be visible at the DBF competition to over 100 universities across the globe. If requested DBF will keep company fliers on hand for distribution at large team events and competition.



Student Experience

Students working with the team will develop skills and experience with your products that will carry over to their professional careers. DBF gives students the opportunity to explore a variety of disciplines within aeronautics and apply what they learn in classes in a setting similar to that of industry.



Recruitment

By sponsoring DBF, your company will have a direct impact on the students on campus, especially in terms of their engineering experience. This gives you direct access to a pool of talented young engineers with experience working in large-scale aeronautics projects.

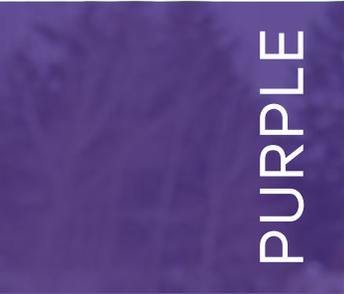
What will your Sponsorship be used for

Sponsorships to the DBF team usually come in two forms – monetary and equipment. For equipment sponsorships, we can guarantee that anything provided to the team will be used not only to develop and optimize our aircraft, but also to teach our members industry standards and knowledge that will help them become better engineers. Monetary amounts will be allocated to the following categories depending on their fair market value and the needs of the team, unless specified directly by the sponsor.



For additional questions, please contact the Chief Engineer directly or send an inquiry to dbfuw@uw.edu

Tiers of Sponsorship



PURPLE

\$500

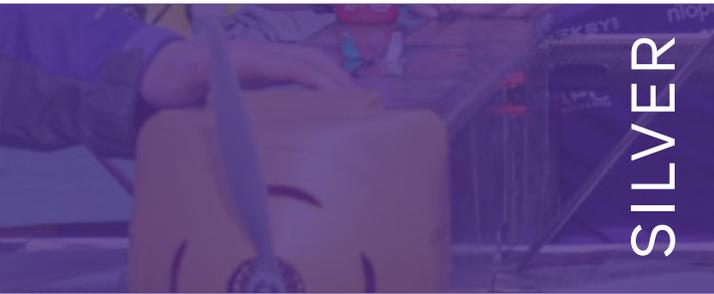
Allows team to restock consumables for one airframe.



BRONZE

\$1000

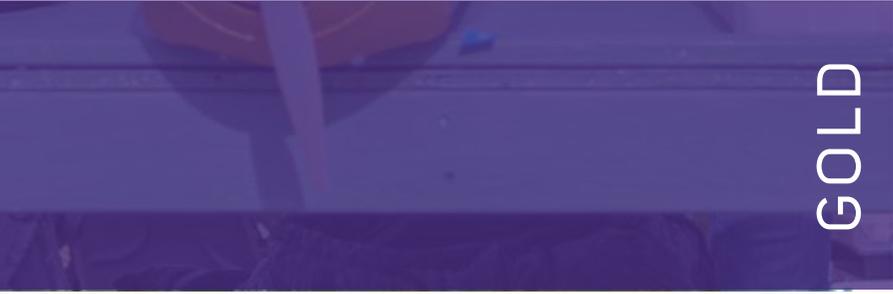
Allows team to purchase and test new motors.



SILVER

\$2000

Covers expenses of competition travel for 3 team members.



GOLD

\$4000

Gives the team the ability to build pre-preg composite fuelage.

Thank you For Your Assistance

Our team depends on sponsors like yourself to fund our mission. With these resources, we can educate members of our team and compete against the best universities in the world.

By supporting our team and our efforts to provide opportunities for new and old students, you are ensuring that the future of aerospace is taken up by a new generation of avid engineers, ready to push the bounds of aircraft even further.

Thank you for your consideration, and we hope that you will join us in our mission to support the engineers of the future.

