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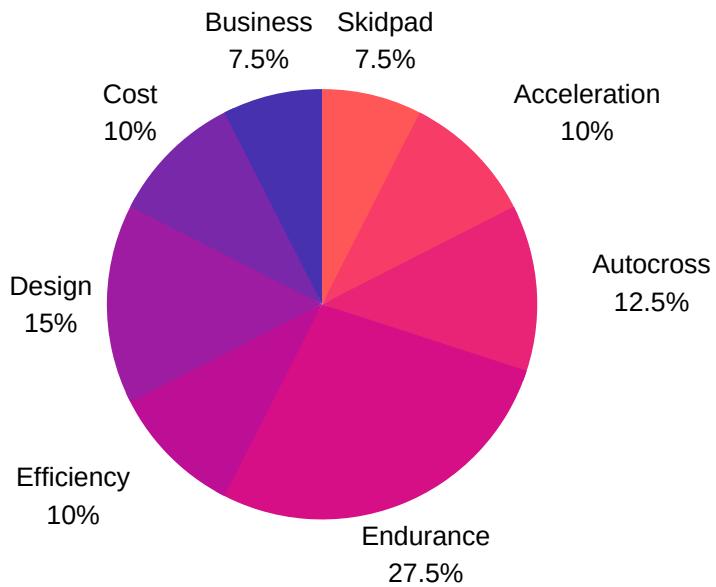
WASHU RACING

WASHINGTON UNIVERSITY IN ST. LOUIS

Since 2010, Washington University in St. Louis has attended FSAE Michigan, one of the largest student design competitions in the world, where students design, build, and race formula-style racecars in a single school year. Over 120 teams from around the world travel to Michigan International Speedway to collaborate with, learn from, and compete against other students while receiving feedback from distinguished design judges from the automotive industry. It is crucial to the design process that everything is tested and validated before it can go on the project. Competition is the highlight of the year for the team as it is a chance learn from our peers and show off the hard work we have put in over the previous year.

The competition consists of 8 events designed to test all aspects of the team's knowledge and preparation for the event.

The Competition



The Team



Operating out of Jolley Hall on the Danforth Campus, WashU Racing has expanded considerably since its revival in 2010. As of the 2020 development season, the team boasts a membership of over 50 members from all engineering disciplines within the James McKelvey School of Engineering, as well as students from the Sam Fox School, the Olin School of Business, and the College of Arts and Sciences. As a result of this size, the team has adopted a leadership structure with 6 members of an elected executive board collaborating with appointed system leads. These executive members are the President, Project Manager, Technical Lead, Treasurer, Vice President, and Recruitment Chair. Additionally, the team is split into 7 systems: Electronics and Data Acquisition, Aerodynamics and Composites, Powertrain, Ergonomics, Manufacturing, Chassis, and Suspension. Each system has one or two leads that oversee the design and build of each division of the project.

For the 2019 design year, WashU Racing changed its platform and evolved the architecture within our FSAE product. Our previous car, the Bears Formula Racing 18 (BFR-18) car became the Wash U Formula Racing 2019 (WUFR-19). This change was spearheaded by the change of our wheel profile (downsizing from 13" wheels to 10" wheels) that lead to a massive suspension and frame overhaul.

For the 2020 season, the WUFR-20 will feature the team's first full aerodynamic kit, highlighted by the advent of a brand new front wing, rear wing, and undertray.

WUFR-19



© MALARAI

Overall: 47/108

US: 29th

Design: 19th

Cost: 38th

Business: 79th

Acceleration: 67th

Skidpad: 36th

Autocross: 53rd

Endurance: 43rd

Facts about the WUFR-19

- Designed around a team goal of **drivability**
- Our first car to feature 10" wheels
- Featured a carbon-aluminum suspension
- Our first adjustable pedal box
- 30lb weight reduction
- Our best all-time result in **design** and **skidpad**

CELEBRATING 10 YEARS: 2010-2020



BFR-18

Overall: 61/114
Design: 48th
Cost: 25th
Business: 59th
Acceleration: 57th
Skidpad: 55th
Autocross: 63rd
Endurance: 48th

"The last iteration of the BFR platform"



BFR-17

Finished: 69/109
Design: 51st
Cost: 63rd
Business: 93rd
Acceleration: 23rd
Skidpad: 67th
Autocross: 70th
Endurance: 57th

"A complete powertrain overhaul"



BFR-16

Finished: 74/115
Design: 74th
Cost: 68th
Business: 57th
Acceleration: 23rd
Skidpad: 71st
Autocross: 83rd
Endurance: DNF

"Our first aerodynamic component"



BFR-15

Finished: 39/111
Design: 57th
Cost: 95th
Business: 71st
Acceleration: 27th
Skidpad: 43rd
Autocross: 36th
Endurance: 27th

"Our highest scoring car"

GET INVOLVED



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DIAMOND (\$10,000+)*

- **Highest prominence** of company logo on competition apparel
- **Highest prominence** of company name on website (with link when available)
- **Custom size logo** on car
- **Promotional use of car for local company outings and exhibitions****
- All applicable PLATINUM benefits

**with advanced notice pending the availability of team members and the car

PLATINUM (\$5,000-\$9,999)

- **Increased prominence** of company logo on competition apparel
- **Increased prominence** of company name on website (with link when available)
- **Extra-large logo** on car
- **Use of team media and write-ups for company's promotional material**
- All applicable GOLD benefits

GOLD (\$3,500 - \$4,999)

- **Increased prominence** of company logo on competition apparel
- **Increased prominence** of company name on website (with link when available)
- **Large logo** on car
- All applicable SILVER benefits

SILVER (\$1,000-\$3,499)

- Company logo on competition apparel
- **Medium logo** on car
- All applicable BRONZE benefits

BRONZE (\$250 - \$999)

- Company name on competition apparel
- Company logo on website (with link when available)
- Subscription to team newsletter
- Invitation to all team events
- A post on social media tagging your company and any desired hashtags for your brand
- **Small logo** on car

*All donations are tax deductible and subject to terms and agreements between WashU Racing, you (the company/donor), and Washington University in St. Louis. We will work with you on whatever promotional package best meets your needs.



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