



FF RACING

IN THE PURSUIT OF PERFECTION



FLORIDA A&M UNIVERSITY
FLORIDA STATE UNIVERSITY
COLLEGE OF ENGINEERING



WHO WE ARE

FF Racing is the official Society of Automotive Engineers (SAE) team affiliated with the FAMU-FSU College of Engineering. Our team consists of a group of motivated student engineers in the pursuit of automotive perfection. By May 2022 we will plan, build, and test a Formula-style vehicle for the International Collegiate Design Series competition.



To accomplish this, we are divided into teams of functional divisions working on Chassis, Aerodynamics, Suspension, Brakes, Electrical, Powertrain, and Ergonomics. To maximize performance and reliability of the vehicle while remaining cost-effective, teams work on computers in the College of Engineering to perform CFD and FEA analysis, and CAD modeling. We then bring our team together to work hands on in the automotive lab to assemble and test our vehicle.



*FAMU-FSU Society of Automotive Engineers (SAE)
2525 Pottsdamer Street
Tallahassee, FL 32310
fam.fsu.sae@gmail.com*



OUR HISTORY

We've had a long journey building Formula and Baja cars since 1990. Our team has thrived on the core values of persistence, innovation, and teamwork. Despite the challenges our team has faced, we have been resilient to ensure this program will continue to grow larger in the future.

Our program has a rich history of building both Formula-style and Baja projects, dating back to the early 1990's. We have raced in multiple events and even placed 46th in the Baja SAE event for 2016-2017. FF Racing owes its success to our faculty advisors, alumni, engineering students, and the Tallahassee community, who all come together to make FF Racing possible.

Featured below are previous FF Racing Formula-style builds.



FAMU-FSU Society of Automotive Engineers (SAE)
2525 Pottsdamer Street
Tallahassee, FL 32310
famu.fsu.sae@gmail.com



SEASON GOALS

This 2021-2022 season will be the revival of FF Racing. Last year, Covid-19 caused a complete shutdown of club operations, and the 2021 Collegiate Design Series event in Michigan was cancelled just weeks before it was scheduled to occur.

This year, our primary goal is to build a solid foundation that we can improve upon in the future. Long-term success is our number one priority, so we focus on becoming better every day, whether it be communication skills, engineering design, or parts fabrication. With constant adjustments and incremental improvement, we plan on reshaping what it means to be a part of FF Racing— by building a winning team that competes for years to come. This year, we have already gained a large base of 30 new members who will bring this program to its full potential.



*FAMU-FSU Society of Automotive Engineers (SAE)
2525 Pottsdamer Street
Tallahassee, FL 32310
famufsu.sae@gmail.com*



THE COMPETITION

The Formula SAE Collegiate Design Series event is the culmination of a year's meticulous planning and execution. The May 2022 event has registrations from the biggest universities in the United States, as well as international universities from Canada, Brazil, Mexico, Venezuela, and more. Over 120 teams will bring their internal combustion Formula-style builds to the Michigan International Speedway to compete in this prestigious event. The two main competition categories are Static and Dynamic metrics. During Static events, team's provide a full analytical breakdown of their vehicle's design and cost, as well as a business presentation to investors that showcases organizational efficiency. Dynamic events assess the performance and reliability of the vehicle and driver during racing. Our place in the competition will be based off of the point system below:

Static Metrics

Points	Engineering Design	150 Points
	Cost Analysis	100
	Business Presentation	75 Points

Dynamic Metrics

Endurance Race	275 Points
Autocross Event	125 Points
Fuel Efficiency	100 Points
Acceleration	100 Points
Skid-Pad	75 Points

Event Totals

1000 Points



OUR JOURNEY

"It's a long way to the top... if you wanna rock and roll" -AC/DC

At FF Racing, dedicated faculty advisors, student engineers, and alumni contribute time and effort to bring this project to life. We will settle for nothing less than an aesthetic, high performance racing machine. Each week, our team spends hours researching industry standards, evaluating our designs, and looking for improvements to implement. When the time comes to assemble the final product, we will know that we have upheld our college's tradition of excellence in engineering. Guided by our core values and our program's history, FF Racing is seeking to create our most reliable, safest, and fastest Formula-style build yet.

In order to accomplish this goal, we depend on the support and generosity of our alumni, the Tallahassee community, and our corporate sponsors. We genuinely hope that you will find our purpose meaningful and contribute to our season. This organization promotes student development at the highest experiential level, in a real-world application with real consequences and tangible results. We appreciate any support that you would be willing to provide. Raw material donations, advice, tools and resources, and monetary funding are all important building blocks to this year's project. If you have any questions please feel free to reach out to:



Jordan Steverson
President
(850) 508-8020



Julio Velasquez
Vice President
(786) 376-6576



Joshua Itzhak
Treasurer
(772) 713-5641



Carson Clark
Team Captain
(252) 639-1854

*FAMU-FSU Society of Automotive Engineers (SAE)
2525 Pottsdamer Street
Tallahassee, FL 32310
famu.fsu.sae@gmail.com*



FUNDRAISING TARGET

\$25,000

Materials Needed

Aluminum tubing	Shop towels
Sheeting	Soap
Honeycomb	Angle Grinding Brushes
Carbon Fiber sheets	ABS Plastic sheets
Carbon Fiber resin	Tires
Header Armor	Feeler Gauges
Racing Seat	Tig Welder
6 Point Harness	Drill Press
Sandpaper	Lathe

CHASSIS/AERO	\$6,735.42
SUSPENSION	\$3,195.83
BRAKES	\$1,120.67
ELECTRIC	\$150.00
POWERTRAIN/TIRES	\$3,029.95
ERGONOMICS	\$2,300.00
MISCELLANEOUS	\$170.00
TRAVEL	\$7,670.00
TOTAL	\$24,371.87



SPONSORSHIP DETAILS

Gold \$5,000 plus:

- Large logo on the trailer and car
- Inclusion in marketing and engagement initiatives
- A formal picture with the car (hand signed by the team)
- Aluminum cut SAE Logo with a special thank you note
- Autograph on the car

Silver \$1,000 - \$4,999:

- Medium logo on the trailer and car
- Inclusion in marketing and engagement initiatives
- Aluminum cut SAE Logo with a special thank you note
- Autograph on the car

Bronze \$999 or less:

- Small logo on the trailer and car
- Aluminum cut SAE Logo with a special thank you note
- Handwritten thank you card from the team

ADDITIONAL SPONSORSHIP DETAILS

We hope to host Sponsor Luncheons and have guest speaker events this season. All sponsors will be welcome to visit our shop for general body meetings to see our project's progression and meet our team members.

If you would like to donate online please visit the address:

<https://one.fsu.edu/foundation/donate/give-online>



Return to –
Society of Automotive Engineers,
2525 Pottsdamer St.
Tallahassee FL, 23210

Company Name: _____

Company Address: _____

State: _____ Zip: _____

Primary Contact: _____

Primary Contact Phone: _____

Primary Contact Email: _____

Secondary Contact: _____

Email: _____

Enclosed is our check to the Society of Automotive Engineers for:

\$ _____

We would also like to donate:

Materials: _____

Other: _____

Please email company logos to famu.fsu.sae@gmail.com