

BYU *Racing*



FULL THROTTLE.



SPONSORSHIP PROPOSAL

FSAE 2023-2024

About Us



BYU Racing

Welcome to BYU Racing! Sponsored by the Brigham Young University Mechanical Engineering Department, students are applying knowledge from the classroom to design and build a fully electric single-seater race car. Through this exciting endeavor students are exposed to diverse and challenging situations enabling them to acquire a range of skills beyond STEM including communication, problem-solving, leadership, business proposals and more. These students proudly travel with their car to compete in the Formula Society of Automotive Engineers (FSAE) competition in June, engaging in design, static and dynamic events against other teams in design, static, and dynamic events against fellow teams. Regardless of prior STEM experience, BYU Racing warmly welcomes all students. There's a spot for everyone at BYU Racing!

Brigham Young University

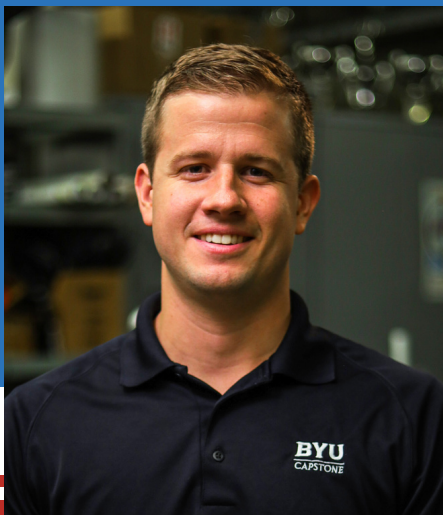
Boasting an impressive student body exceeding 30,000 and a commendable 62% graduation rate within six years, BYU has secured its position among the top 20 universities, according to The Wall Street Journal, in terms of overall educational experience. Moreover, BYU has achieved a notable top 10 ranking for its emphasis on experiential learning and application. The university's primary educational objective centers on intellectual enrichment and character development, encouraging students to embrace lifelong learning and meaningful service. BYU is committed to fostering equality across all domains implementing targeted programs supporting women in STEM, a student-led EMS office, and various cultural appreciation clubs. In line with its mission to broaden academic horizons, BYU endeavors to engage as many students as possible in research and knowledge-based applications, even during their undergraduate studies. Many majors within the university have integrated this as a mandatory component, encouraging hands-on learning and the practical application of knowledge.

About

BYU'S DEPARTMENT OF MECHANICAL ENGINEERING

One of the Universities' prominent departments is Mechanical Engineering, boasting an impressive enrollment of over 1,200 students. BYU is home to a state-of-the-art Engineering Building, spanning an expansive 180,000 square feet. This facility serves as a hub for students to learn, collaborate, apply their knowledge, and engage in recreational activities. Dedicated to fostering a dynamic learning environment, the first floor of the Engineering Building is exclusively designated for various clubs and organizations, including BYU Racing, BYU Aeronautics, BYU Robotics, among others. The Mechanical Engineering department places a particular emphasis on the senior year, mandating participation in a Capstone project where students apply their accumulated knowledge to real engineering projects. The department endeavors to cultivate well-rounded individuals, preparing them for a seamless transition into the workforce upon graduation while also striving for a balanced gender ratio.

BRAD NELSON



TEAM CAPTAIN

MATT ALLEN



FACULTY SPONSOR

Performance

About the Competition

During the competition hosted by the International Society of Automotive Engineers (SAE), students will participate in a total of 3 static events and 5 dynamic events, challenging teams from all corners of the globe. In the previous year, the Electric Vehicle division witnessed the participation of 75 teams from 3 distinct countries. Dynamic testing involves evaluating the vehicle's performance in acceleration, handling, and reliability. These critical attributes are assessed by panels of industry leaders through a series of events, including acceleration, autocross, endurance, skidpad, and efficiency tests. On the other hand, static events focus on examining teams' understanding of design principles, the manufacturing process, and their aptitude for business leadership. Teams will be evaluated based on their presentations covering cost reports, business strategies, and design concepts.

Results

2009: *4th place*, Thayer School of Engineering Dean's Award for Innovation and the Chrysler Award for Best Hybrid System Engineering

2010: *4th place*

2011: *2nd place*

2012: *1st Place*, Competition record for acceleration

What does BYU Racing have in store for 2024?

Statistics

Top Speed: 80 mph

0-60 mph: 3.5 seconds

Power: 450 Volst, 100 HP



Crew Levels

Diamond

\$5000+

BYU Racing Website
Social Media Mention
Banner at Competition
Large Logo on Car
Logo on Shirt

Gold

\$2500-\$4999

BYU Racing Website
Social Media Mention
Banner at Competition
Small Logo on Car
—

Silver

\$1000-\$2499

BYU Racing Website
Social Media Mention
Banner at Competition
—
—

Bronze

\$100-\$999

BYU Racing Website
Social Media Mention
—
—
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sincerely thanks...



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