

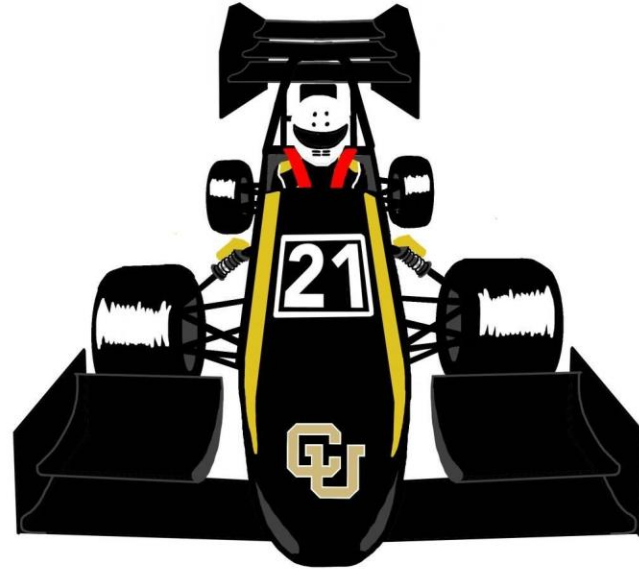


Fall 2023 New Member Information

Join us at our Fall 2023 Introduction Meeting on
September 7th, in Math 100 @ 7:00 pm

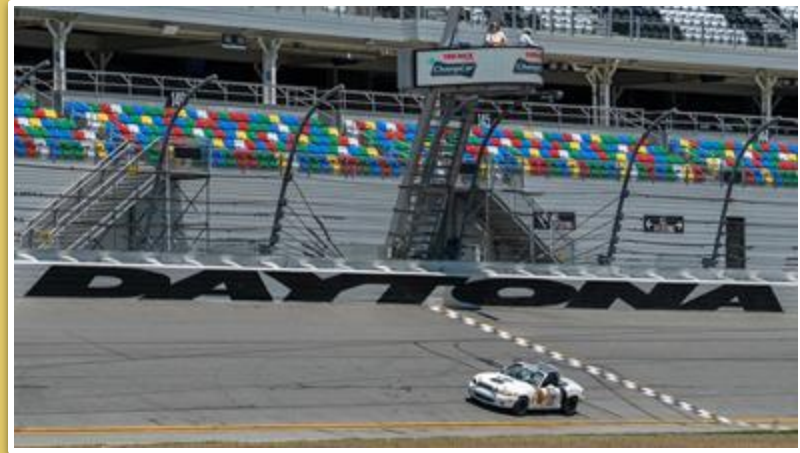
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Mission Statement

Founded in 2016, the CU Boulder Racing Team is an organization focused on various automotive road racing competitions. We have two divisions. The Formula SAE division cites goals of building a race car to compete in an intercollegiate competition known as Formula SAE. The Endurance Championship division's goals revolve around building endurance race cars to compete in the ChampCar Endurance Series. As well as being one of the largest STEM organizations on campus, our club welcomes everyone, with or without prior racing experience. All we ask from our members is the willingness to learn and an enthusiasm for racing.



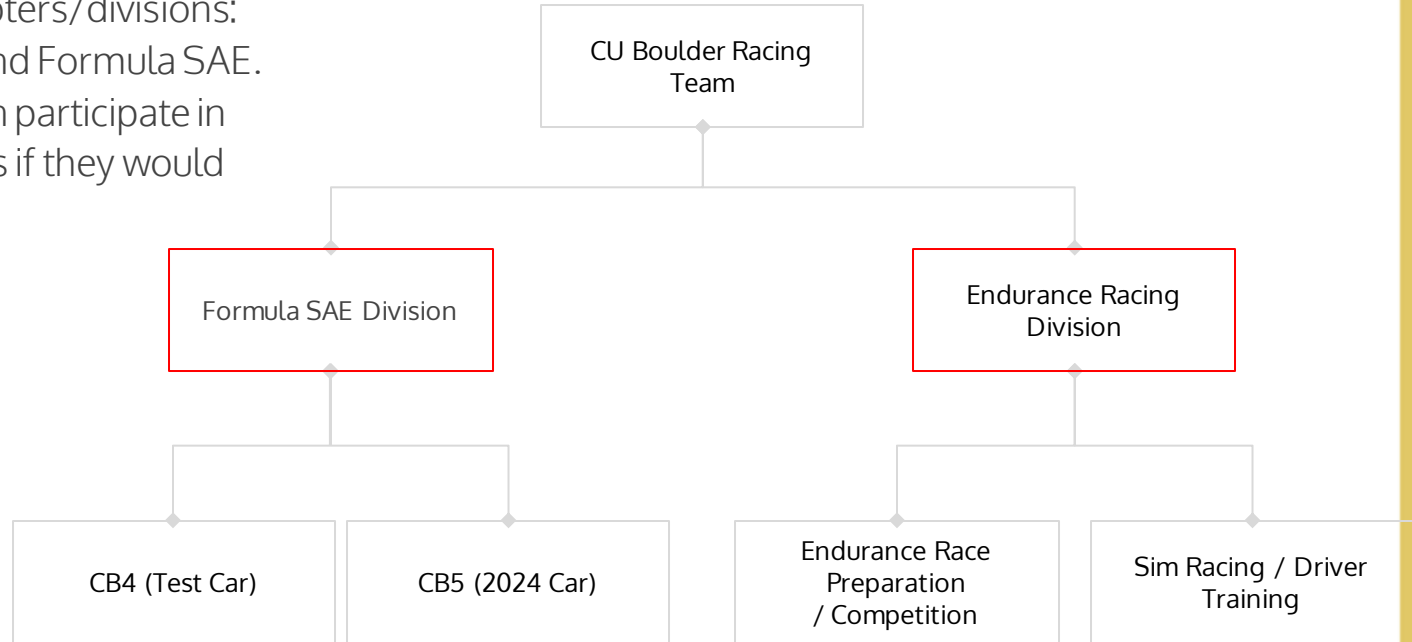
Daytona International Speedway, April 2021

Video



Team Structure

- The CUBRT is broken down into two chapters/divisions: Endurance and Formula SAE.
- Members can participate in both divisions if they would like.





Endurance Racing

About

- The Endurance racing division competes in 8-24 hour long wheel-to-wheel road races prominently in The ChampCar and 24 Hours of LeMons racing series.
- Members are expected to attend at least three work meetings which are often on Sundays, to be eligible to attend and drive in team races.
- Occasional general meetings (pre / post race, team updates, etc.)



Goals

- Compete in 3-5 races every year
- Provide hands-on mechanical and problem solving experience
- Equal opportunities to drive during testing and races
- Facilitate projects to improve the cars' performance
- Hold a high regard for safety on and off the track
- Have fun



Our Cars

- 2001 NB Mazda MX-5 Miata #719
 - 2.4L GM Ecotec Swap
 - Fancy buttons
 - Data logging
 - Aerokit
- 1999 NB Mazda MX-5 Miata #718
 - Stock Miata 1.8L Inline-4
 - Built to accommodate tall drivers
 - Comfy seat
 - Colorful trunk



Daytona International Speedway, April 2022

High Plains Raceway, September 2022



Involvement Opportunities

- ❑ Drivers
 - ❑ Open qualification process
 - ❑ 4-6 per car at each race
- ❑ Mechanics
 - ❑ All members, including drivers
 - ❑ Race preparation - work meetings
- ❑ Leadership Positions
 - ❑ Sponsorship and social media
 - ❑ Race crew (logistics, strategy, etc)
- ❑ Engineering
 - ❑ Project Management
 - ❑ Programming (telemetry, streaming, etc)



Formula SAE



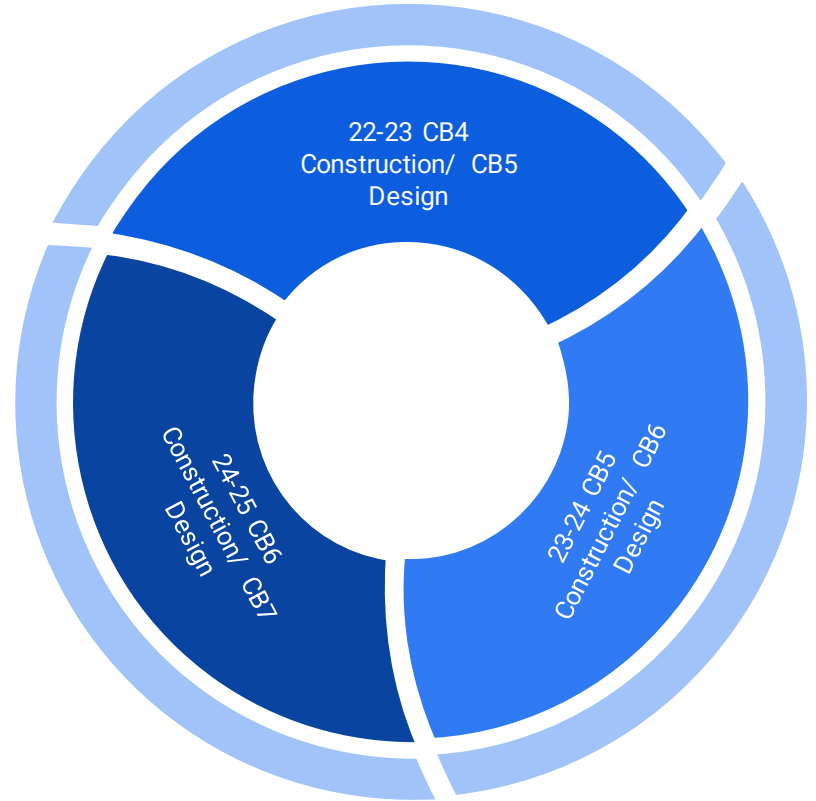
What is Formula SAE?

- Formula SAE is an intercollegiate engineering competition hosted by the Society of Automotive Engineers (SAE). Founded in 1981, it has become the country's most prestigious collegiate engineering design event.
- Design and build a race car from the ground up
- Present design to a board of judges as a business venture
- FSAE involvement is highly sought after by employers in the aerospace and automotive industries



CU Formula SAE Chapter

- Started in Fall of 2019
- The team operates on a 2 year cycle
- CB3 Completed in Spring 2022
- CB4 Completed in Spring 2023
- CB5 design began Summer 2023
- We offer training on essential skills necessary to be a valuable member of our team, machining, CAD etc.



Involvement

- Car design
- Manufacturing
 - Machining
 - Welding
 - Fabrication
 - and more...
- Leadership opportunities
 - Systems engineers
 - Business team
 - Project Management



Member Benefits

- Education
 - CAD, Component Design, FEA, CFD, and more
- Practical engineering/ business experience
- Recruitment opportunities
- Well-recognized by employers
- Build/Drive a freaking race car



What We Look For

- Multidisciplinary
 - All majors welcome
- Enthusiasm for racing
- Dedication to the team
- Previous experience is a plus
 - Not a must
- Freshman- PhD
- **Willingness to learn!!**



Time Commitment & Meetings

- Weekly general meetings
- Weekly subsystem meetings
(For example, powertrain, Chassis, ect.)
- Weekly shop meetings
- 5+ hrs/ week





Application Process

Endurance Process

- Visit buffsracing.com
- Click “Join Now” and fill out the application
- Applications are due **Sunday, Sep. 10th @ 11:59 PM**
- Decisions are made on first-come-first-serve basis and application information
 - Limited spots available
- You will receive a decision email before the end of Friday, Sep. 15th



FSAE Process

- Visit buffsracing.com
- Click “Join Now”
- Applications close Sep 10th at 11:59 pm
- Applicants will be required to attend a walk-in interview during our office hours UMC 448
- Decision email will be sent before the end of Sep. 17th



- CU Boulder Racing Team office - UMC 448
- Walk-in-interview Office Hours:

	4-Sep	5-Sep	6-Sep	7-Sep	8-Sep		11-Sep	15-Sep	16-Sep	17-Sep	18-Sep
8:00 AM	LABOR DAY NO OFFICE HOURS										
8:30 AM											
9:00 AM		Edwin	Josh	Edwin				Edwin	Josh	Edwin	
9:30 AM		Edwin	Josh	Edwin				Edwin	Josh	Edwin	
10:00 AM		Edwin	Josh	Edwin	Hunter			Edwin	Josh	Edwin	Hunter
10:30 AM		Edwin	Josh	Edwin	Hunter			Edwin	Josh	Edwin	Hunter
11:00 AM		Hunter	Greg	Edwin	Hunter		Greg	Hunter	Greg	Edwin	Hunter
11:30 AM		Hunter	Greg	Edwin	Hunter		Greg	Hunter	Greg	Edwin	Hunter
12:00 PM		Hunter	Greg	Edwin	Hunter		Greg	Hunter	Greg	Edwin	Hunter
12:30 PM		Hunter	Greg	Edwin	Hunter		Greg	Hunter	Greg	Edwin	Hunter
1:00 PM					Quinn						Quinn
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2:30 PM											
3:00 PM											
3:30 PM											
4:00 PM											
4:30 PM				Kayla				Kayla		Kayla	
5:00 PM				Kayla				Kayla		Kayla	
5:30 PM				Kayla				Kayla		Kayla	
6:00 PM			Kayla				Kayla		Kayla		

Normal Fall 2023 Office Hours Schedule

Monday	11:00AM - 12:30PM; 4:30PM - 6:00PM
Tuesday	9:00AM - 12:30PM
Wednesday	9:00AM - 12:30PM; 4:30PM - 6:00PM
Thursday	9:00AM - 10:30PM
Friday	10:00AM - 12:30PM

Team Bonding Events

- F1, Indy, NASCAR watch parties
- Track days
 - IMI, HPR, etc.
- Go Karting Events
 - Podium Karting
- Shop days
 - Work on your car with other
- Team bonding events schedule coming soon



Please attend the intro meeting for more information and to meet the team!



The Fall 2023 Introduction Meeting will be held on September 7th, in Math 100 @ 7:00 pm



Contact Information

Email: buffsracing@colorado.edu

buffsracing.com

colorado.edu/studentgroups/racing-team

Please email us with any questions or stop
by our office hours



Socials



CURACINGTEAM



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