



# New Member Information Fall 2024

Join us at our Fall 2024 Introduction Meeting on  
September 5th, in Math 100 @ 7:00 pm

# Agenda

- Mission Statement
- Promotional Video
- Team Structure
- Team Bonding Events
- Endurance Racing Division
- Formula SAE Division
- Application Process
- Contact Information
- Social Media Accounts



# 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.



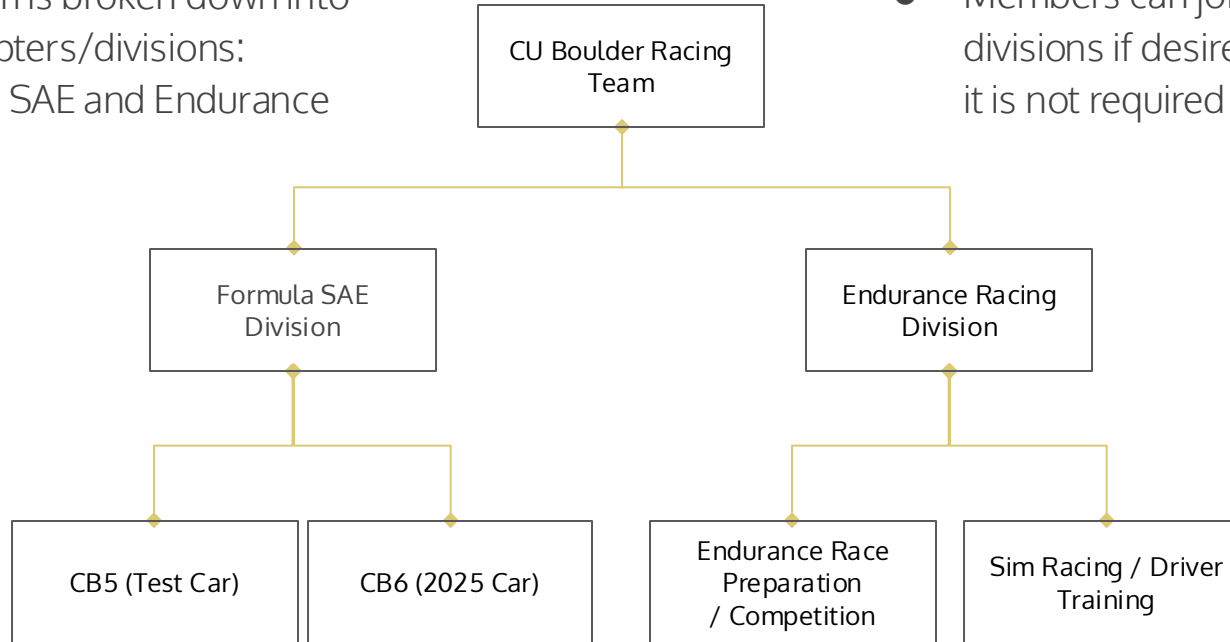
# Promotional Video



# Team Structure

- Our team is broken down into two chapters/divisions: Formula SAE and Endurance

- Members can join both divisions if desired, but it is not required



# Team Bonding Events

- F1, Indy Car, NASCAR watch parties
- Weekly Sim Racing Challenges
- Track Days: IMI, HPR, etc.
- Go Karting Events
- Team Barbeques
- Shop Days
- Ski Trips
- Bowling





# 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 each year
- Provide hands-on mechanical and problem solving experience
- Equal opportunities to drive during testing and races
- Facilitate projects to improve car 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
  - Data logging
  - Aero kit
- 1999 NB Mazda MX-5 Miata #718
  - Stock Miata 1.8L Inline-4
  - Built to accommodate tall drivers



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 each year to compete in the annual competition
- 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 1.5 year design cycle
- CB3 Completed in Spring 2022 - *DNS*
- CB4 Completed in Spring 2023 - *20th*
- CB5 Completed in Spring 2024 - *63rd*
- CB6 Design Began Summer 2024
- We offer training on essential skills necessary to be a valuable member of our team, machining, CAD etc.





# Involvement

- Component design
- Manufacturing
  - Machining
  - Welding
  - Fabrication
- Leadership opportunities
  - Systems engineers
  - Business team
  - Project Management



# Member Benefits

- Design, build, and drive a racecar
- Team education and classes: CAD, FEA, CFD, etc.
- Practical engineering and business experience
- Well-recognized by employers, various job recruitment opportunities





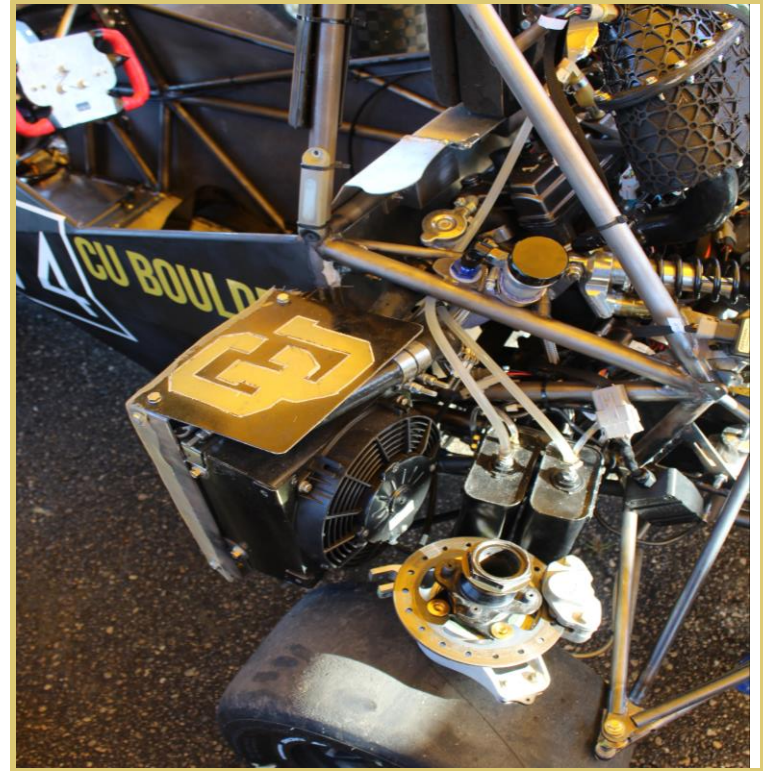
# What We Look For

- Multidisciplinary
  - All majors welcome
- Enthusiasm for racing
- Dedication to the team
- Previous experience is a plus
  - Not required
- Freshman - PhD
- The willingness to learn!



# Time Commitment & Meetings

- Weekly general meetings
- Weekly sub team meetings (For example, powertrain, Chassis, etc.)
- Weekly shop meetings
- 5+ hrs/ week





# Application Process

# Endurance Process

- Visit [buffsracing.com](http://buffsracing.com)
- Click “Join Now” and fill out the application
- Applications are due **Friday, Sep. 6th @ 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 day Sep. 20th



# Formula SAE Process

- Visit [buffsracing.com](http://buffsracing.com)
- Click "Join Now"
- Complete the application form
- Applications close Sep. 6th at 11:59 pm
- Applicants will be required to attend a walk-in interview \*FSAE Only
- Application decision email will be sent before the end of day Sep. 20th





The Fall 2024 Introduction Meeting will be held  
on September 5th, in Math 100 @ 7:00 pm



# Contact Information

Website: [buffsracing.com](http://buffsracing.com)

Email: [buffsracing@colorado.edu](mailto:buffsracing@colorado.edu)

School Page: [colorado.edu/studentgroups/racing-team](http://colorado.edu/studentgroups/racing-team)

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



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