

Donation Packages

Team Owner: \$2000+

- In addition to all of the benefits of other packages
- Most visible representation on vehicle
- Meeting with the team

Crew Chief: \$1000-\$2000

- Prominent representation on vehicle and website
- Progress updates from the team
- Appreciation Plaque

Pit-Crew: \$500-\$1000

- Decal on vehicle and website
- Appreciation Plaque

Fan: \$500 and under

- Representation on website

Some of the costs the team anticipates for this year:

Drivetrain

-2 CBR engines	\$1200
-intake and exhaust	\$2200

Suspension

-Shocks and springs	\$1240
-Raw material for uprights, rotors etc.	\$1446

Frame

-Steel Tubing	\$725
-Fiberglass and Paint	\$600

Join the Team

Participating in the Formula SAE competition can be expensive as well as time intensive. The team currently has a small allotted budget but still needs funding in order to purchase many of the necessary racing components, materials, shop tools and entry fee for competition.

This project has been an important part of the development of 165 Bradley mechanical engineering students over the past fourteen years. If only half of these graduates were to donate \$100 it would completely pay the team's budget

Contact Us!

Faculty Advisor:

Dr. Martin Morris
310 Jobst Hall 1501
W. Bradley Ave.
Peoria, IL 61625
309-677-2717
mjmorris@bumail.bradley.edu

Team Captains

Suspension: Curtis Brackett
cbrackett@mail.bradley.edu
Drive train: Steve Brodtkin
sbrodtkin@mail.bradley.edu
Frame: Kyle Mulligan
kmulligan@mail.bradley.edu

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Formula SAE Senior Design Project



What is Formula SAE?

2010-2011 Teams

The Society of Automotive Engineers (SAE), an international organization hosts an annual collegiate design competition in which students must design and build an open wheel racer. Teams participating in this competition must meet stringent design criteria and safety regulations. Cars will be judged in events that will test the car's acceleration, aesthetics, braking, endurance, fuel economy, and more. Also judged is how well the team conforms to its budget.

Bradley University incorporates the competition into the Mechanical Engineering curriculum through its senior design projects. The project is divided into three teams: frame, drive train, and suspension/controls. While each team has its own discipline they will have to work together to build Bradley's car from the ground up.

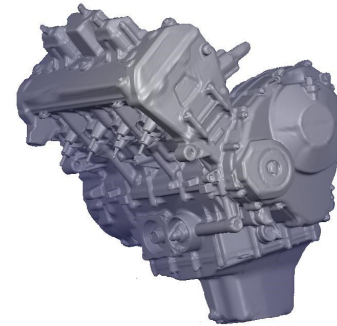
More information available at:

<http://cegt401.bradley.edu/projects/2010-2011/FSAE/>

Or through Bradley's homepage at
Bradley.edu

Engine And Drivetrain

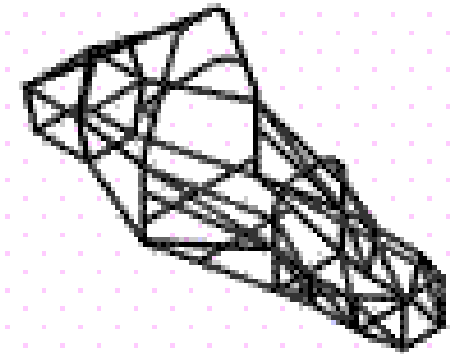
The Engine-Drivetrain team aims to upgrade the engine this year. The team will use a Continuously Variable Transmission (CVT) to eliminate the need for shifting. The aim is to buy a sport bike or snowmobile engine within 610cc. As a result, the designs of the exhaust, intake, and axels will change. Some fabricated parts will be made from carbon fiber to save weight.



Suspension and Controls

The Suspension and Controls team will design a suspension and braking system that meets FSAE team needs and the competition rules. This team is responsible for

- Shocks and springs
- Brakes and Calipers
- Wheels and Tire
- Suspension Members



Frame and Ergonomics Team

The Frame and Ergonomics Team will produce a frame that functions as a strong foundation for the other teams to work with. The frame must fit all team members, be safe, and be rigid, while maintaining light weight. The team plans to use space frame construction to keep the car as small as possible. The team will also construct a fuel cell, driver seat, firewall and an exterior body.

