About Us

Stony Brook Motorsports is an undergraduate student organization at Stony Brook University. Since 1987, the team has competed in Baja SAE, a real-world engineering design project sanctioned by SAE International (Society of Automotive Engineers). Students use the skills they learn in the classroom to design, build, test, and race an off-road vehicle.

Hands-on Experience

The project takes students through a full design cycle: research, computer design and simulation, manufacturing, testing, and re-design. Students can gain skills in:

**Design** Students design the car based on new rules each year, using numerical analysis, 3D modeling software, and computer simulation software.

**Manufacturing** Students fabricate most of the car from scratch, including our custom gearbox and suspension, using equipment including hand tools, manual mill and lathe, and CNC mill.

**Electronics** Students use an assortment of sensors during testing to acquire information such as acceleration, suspension travel, and component temperatures, to verify computer simulations.

**Business** Students give a sales presentation at competition, where they propose a business model to take our car into mass production. Students also manage all the administrative and financial aspects of the project.

Students of all majors, years, and experience levels are welcome to join. Team members train and guide new members, from teaching Baja 101 classes to organizing mock competitions. Our alumni recognize the positive impact Baja has had on them, volunteering their time and knowledge to advise us.
2022 Preparations

This past year, we have been working on the design for the AWD rule. Working from home due to COVID, we finalized a design we have been working on since March 2020.

Now that we have returned to our machine shop, we are finally bringing this design to life. We will proceed with our driveshaft design and we will see it compete in Rochester in June 2022.

This competition includes a 4 hour endurance race as well as a design and sales presentation, hill climb, suspension & traction and maneuverability.

Recognizing Your Support

Each of our Baja SAE competitions is expected to be attended by over 2500 students, professionals, and onlookers. We also display the car around campus, give class presentations, and attend numerous other on-campus and community events. To show our appreciation, sponsors are recognized whenever possible.

Thank you for your time.

If you are interested, please review the enclosed sponsorship form. If you have any questions, our contact information is on the back of this packet.
Please review the enclosed sponsorship form and consider becoming a sponsor. To learn more about our team and ask us any questions:

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Call   631-793-6753 (Daniel Roach, President)