UNIVERSITY OF ARKANSAS

College of Engineering

Department of MECHANICAL ENGINEERING

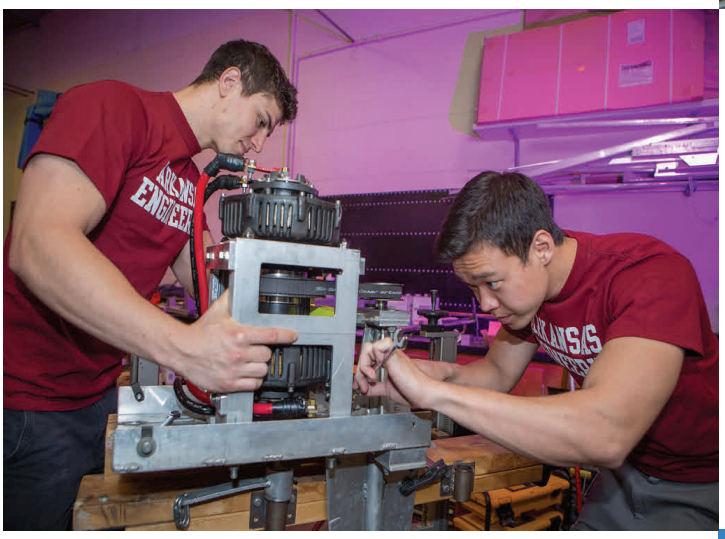
Solar Boat Creative Project

About

Solar Boat is an IEEE sponsored international competition which challenges students to design and build an electric boat. The boat is designed by students from hull shape to drive gearing. At the competition the boat will be tested for speed, maneuverability, and efficiency. It is a great opportunity for students to learn and apply hands-on skills and teamwork.

Website

http://solarsplash.com/



Selection Process

Enrollment for CP credit will be limited to 15-16 students. Underclassman are encouraged to volunteer with the benefit of early training on advanced equipment.

Minimum requirements:
Proficient in SolidWorks or other 3D CAD software

Ideal candidates have one on the following:

1. Previous fabrication experience with either metal, wood, or fiberglass
2. Taking or have taken the machine shop safety course
3. Welding experience with MIG or TIG (Aluminum welding is a big plus)
4. Experienced pulling a long trailer (drivers)

Advisor:

Instructor: Jason Bailey jbaile@uark.edu