

## SAE Aero Design

The Challenge: To conceive, design, fabricate and test a radio-controlled unmanned aerial vehicle (UAV) that has the ability to take off and land at cargo capacities that are more than triple the weight of the airframe. The competition includes design, flight and presentation.

2004 Performance:

April (Orlando) – East

- 1st overall
- 35 teams

May (Fort Worth) – West

- 2nd overall
- 44 teams



## Contact Us

Visit our Web site to learn more about the wide range of student competitions that Auburn engineering students participate in – from concrete canoe to hovercraft to solar car to steel bridge.

[www.eng.auburn.edu/motorsports](http://www.eng.auburn.edu/motorsports)

Auburn University  
Samuel Ginn College of Engineering  
108 Ramsay Hall  
Auburn University, AL 36849



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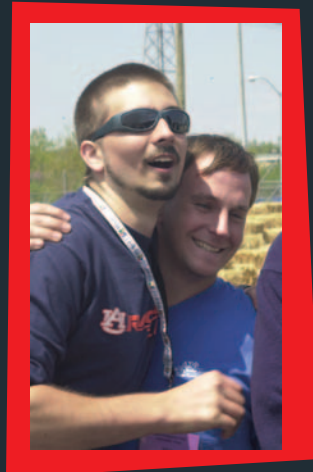
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# GINN COLLEGE OF ENGINEERING



AUBURN UNIVERSITY



## Reality Education

At Auburn we know that experience counts. That's why our curriculum models lead to hands-on senior projects that join classroom theory with real-world experience.

Our Society of Automotive Engineers (SAE) teams – Formula, Mini Baja and Aero Design – represent some of the most visible opportunities that our students have to put their newly learned engineering skills to the test in a real-world setting. It's not just about racing and flying. It's about teamwork, problem solving and project management.

These student teams are fueled by alumni and friends who contribute to the Auburn Annual Fund and the Samuel Ginn College of Engineering Fund for Excellence.

To learn more about these educational and fun student activities, log on to [www.eng.auburn.edu/motorsports](http://www.eng.auburn.edu/motorsports).

## Formula SAE

The Challenge: An annual competition to design, build and drive an open-wheel racer to rigorous specifications within a tight timeline. Teams must demonstrate production costs and manufacturability and market their design on its merits before proving their machine's abilities on the racetrack. FSAE is considered the world series of intercollegiate engineering. In December 2003, Auburn's award-winning team traveled to Australia for the Australasia FSAE event, placing fourth overall.

### 2004 Performance:

#### May (Detroit)

- 3rd overall
- 3rd in autocross
- 2nd in endurance
- 140 teams from 11 countries



## Mini Baja

The Challenge: An annual competition to design, build and race a mini baja all-terrain vehicle for off-road use. Compared to conventional all-terrain vehicles, it must be wider, longer, have a lower center of gravity, a more sophisticated steering and suspension system, and a full roll cage. It must also float, propel and navigate in deep water.

Each year, more than 240 universities from across North America and overseas compete in one or more of the three regional competitions: East, Midwest and West. Auburn fields both a coed team and one of the few all female teams.

### 2004 Performance:

#### May (Quebec) – East

- 6th overall
- 4th in endurance and design
- 62 teams

#### June (Wisconsin) – Midwest

- 3rd overall
- 1st in endurance
- 138 teams

