



**OKLAHOMA STATE UNIVERSITY**

## College of Engineering, Architecture & Technology

### STUDENT ORGANIZATIONS

It is highly recommended that students get involved on campus. Student organizations enhance leadership skills and help students network for the future. Here are a few organizations that CEAT has to offer.

- CEAT Student Council
- CEAT Freshmen Council
- Society of Women Engineers
- Society of Black Engineers, Technologists and Architects
- Society of Hispanic Professional Engineers
- American Indian Science and Engineering Society

### STUDENT DESIGN TEAMS

Design teams provide hands-on learning opportunities while competing against other schools from across the nation. Teams are open to all students regardless of classification or major. Below are a few examples of competition teams in which students may participate:

- Cowboy Racing
- Cowboy Motorsports (1/4 scale tractor)
- Chem-E-Car
- Design/Build/Fly
- National Concrete Canoe Competition
- Steel Bridge and Timber Bridge
- Formula SAE

### SCHOLARSHIPS

CEAT freshmen scholarship recipients are selected from the OSU Scholarship Application. These competitive scholarships are generally \$1,000 awards to entering freshmen who major in Engineering, Architecture or Technology.

Numerous scholarships are available to continuing and transfer students. These are privately funded and vary in amounts from \$500-\$5,000. The CEAT Continuing / Transfer Student Scholarship Application is available online through the CEAT website.

<http://studentservices.ceat.okstate.edu>

### INTERNSHIPS

Summer internships with engineering firms are not required but the work experience gained is key to future success. They can provide an exciting opportunity to apply what you have learned in the classroom while earning money to help finance your education.

Some students choose to participate in a Cooperative Education Program. Co-ops offer students an opportunity to work full-time in a field related to their major. Co-op positions extend over multiple semesters with the same employer and provide academic credit for time spent on the job. Co-ops are designed to expand classroom learning through paid work experience in a supervised work setting.

### UNDERGRADUATE DEGREES

- Aerospace Engineering
- Architectural Engineering
- Structures
- Architecture
- Biosystems Engineering
- Biomechanical
- Bioprocessing & Biotechnology
- Environment & Natural Resources
- Food Processing

- Chemical Engineering
- Biomedical/Biochemical
- Environmental
- Pre-Medical
- Civil Engineering
- Environmental
- Computer Engineering
- Construction Management Technology
- Building
- Heavy

- Electrical Engineering
- Electrical Engineering Technology
- Computer
- Telecommunications
- Fire Protection & Safety Technology
- Industrial Engineering & Management
- Mechanical Engineering
- Pre-Medical
- Mechanical Engineering Technology



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### FAST FACTS

- OSU features the only combined engineering, architecture and technology college in the nation.
- CEAT's Success Coach Program offers students in engineering, architecture, and technology programs an opportunity to work with current students to help them with time management, study skills and basic information at the university level for the first six weeks of classes.
- CEAT hosts a career fair each fall semester for students in the college. The high demand for graduates from our programs has expanded the career fair to more than 175 companies.
- CEAT students who complete the Fundamentals of Engineering exam during their senior year have a pass rate of 97 percent. This exceeds the national average by over 12 points.

### RESEARCH

The College of Engineering, Architecture and Technology offers a unique opportunity to freshmen who are talented and research-minded. The students will gain experience in research that is rarely afforded to college freshmen. The freshmen students will work side-by-side with graduate students under the close supervision of a research professor.

The Freshmen Research Scholars students participate in many research projects such as: civil structural systems exposed to fire conditions, using microparticles to alter the physical properties of matrix materials, inflatable aircraft wings to be used in the exploration of Mars, and how mechanical stresses impact the function of blood platelets in the human body.

To find out more information about research opportunities, please visit the CEAT Student Services website at <http://studentservices.ceat.okstate.edu>

### LIVING AND LEARNING COMMUNITIES

Students have the opportunity to participate in living and learning communities where those with similar interests and goals live in common housing units and take several courses together during their first year at OSU. Living and learning options under CEAT include the Maude's Quad: the Women in Engineering House as well as engineering housing in Kerr, Drummond, Allen and Bost Halls. Upperclassmen mentor underclassmen in each living option.



*Thomas Hays,  
Andy Arena  
and Dustin Gamble*

The Dragonfly is a plane designed to break several official Fédération Aéronautique Internationale world aviation endurance and range records. The airplane has set world records for duration and distance to the goal and return. OSU has had success in the competition the past six years, finishing first and second in 2004, 2005 and 2006, taking second and fourth in 2007 and first and third in 2008.

### CONTACT INFORMATION

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