



CEAT HIGHLIGHTS

JUNE 20, 2025



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CEAT academic changes to propel college forward

The College of Engineering, Architecture and Technology is expected to see academic and leadership changes within the Division of Engineering Technology, the School of Materials Science and Engineering, the School of Civil and Environmental Engineering, and the School of Architecture. The Division of Engineering Technology and the School of Materials Science and Engineering will transition into two new schools: The School of Materials, Mechatronics and Manufacturing Engineering (MMME) and the School of Fire, Construction and Emergency Management (FCEM).

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OSU FST credited with making real-world impact

Oklahoma State University's Fire Service Training, part of CEAT, recently received a powerful testimony from a new firefighter who credited FST's Firefighter I Academy with helping him make his first successful rescue on the job just days after graduating from the updated program.

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Dr. Zheyu Jiang of CHE awarded prestigious NSF CAREER Award

Dr. Zheyu Jiang, who started at OSU in 2021, is the recipient of a \$500,000 NSF grant that runs through the end of 2029. His research focuses on developing advanced computational models and AI methods to digitalize modern agriculture



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Research focusing on interdisciplinary NASA projects

The College of Engineering, Architecture and Technology is home to many different interdisciplinary research efforts. One example is multiple projects with NASA, as CEAT researchers are studying types of cybersecurity, infrasound noise mitigation for Venus exploration and development of multi-elemental thermal coatings for super alloys.



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MAE students produce model of innovative CVD engine

Students in Oklahoma State University's College of Engineering, Architecture and Technology collaborated with a company based in Fort Worth, Texas, on an innovative engine design. Four mechanical engineering technology seniors, Jack Chartier, Ian Gresley, Jayden Wall and Dax Yosten, and two mechanical engineering seniors, Austin Landrum and Jacob Schindall, worked with AmeriBand on aspects of an engine dubbed the AspireCVD.

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Human Factors and Ergonomics Society chapter started at OSU

A new student organization within Oklahoma State University's College of Engineering, Architecture and Technology will help showcase the versatility of human factors to students. The OSU chapter of the Human Factors and Ergonomics Society was started in spring 2024 as the research of human factors in the School of Industrial Engineering and Management has continued to grow.

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STEM highlighted by KOCO 5

STEM stands for science, technology, engineering and math. This week, KOCO 5 Meteorologist Sabrina Bates introduces an aviation program at Mustang High School that is putting its students' knowledge to the test. At the heart of their journey last school year was "Speedfest," where build and fly a remote-controlled aircraft.



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CEAT alumnus wins 2025 Oklahoma Book Award in fiction for his novel

Ken Steele, a civil and environmental engineering alumnus, recently won the 2025 Oklahoma Book Award in fiction for his debut novel *The Promise of Unbroken Straw*. Rooted in Oklahoma history and heart, Steele's novel draws inspiration from his own family's wheat farm and the lives of his father and grandfather. The story follows Paul, a young boy coming of age during World War II, as he grapples with loss, strained family ties, and the search for meaning across a lifetime.



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CEAT graduate one of three OSU students to earn NSF Graduate Research Fellowships

Three Oklahoma State University undergraduate students were awarded National Science Foundation Graduate Research Fellowships. The five-year fellowship provides each student with three years of financial support totaling \$159,000 to continue their scientific pursuits in graduate school.



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Two OSU chemical engineering students receive Niblack Research Scholarship

Rachel Davis and Noor Atiyeh, undergraduate students in the School of Chemical Engineering, have been awarded the Niblack Research Scholarships for the 2025-26 academic year. The Niblack Research Scholars Program at Oklahoma State University supports undergraduates by providing opportunities to conduct research in OSU labs.