

**In the July 2022 issue of OU ENGINEER,  
learn how OU connects to the next generation of engineers.**

## First-Year Engineering Students Embark on OU Campus



On July 9, incoming freshmen hailing from Arkansas, Hawaii, Kansas, Oklahoma and Texas embarked on the Norman campus to take part in the OU [Summer Bridge](#) program, an intensive academic and residential experience to help first-year engineering students integrate into the OU community. Sponsored by AT&T, Dolese and Phillips 66, the program lasts four weeks. *Photo: John Klier, dean of the Gallogly College of Engineering, with the Summer Bridge 2021 class.*

## Summer Workshop Introduces High Schoolers to Engineering

Since 2015, the Gallogly College of Engineering has hosted Engineering Days, a one-day learning experiences held over four weekends each June. Participants come to campus and complete an engineering project under the guidance of OU engineering faculty and current engineering students. Learn more [here](#) and visit the [Engineering Days' photo album here](#).



## NSF Funds Help Rural High School Teachers, Students

Oklahoma high school teachers and students benefit from opportunities to experience research through the lens of OU engineering faculty. They use their National Science Foundation grants to help train the next generation of scientists and those who guide them.

### Nanny Hosts 6-Week STEM Program

This summer, Mark Nanny, a professor in the School of Civil Engineering and Environmental Science, is hosting a six-week [professional development program](#) for STEM educators who are involved in K-14. The program allows rural teachers to work closely with OU engineering faculty. Participants this year are focusing on sustainable energy research while developing classroom curricula.

### BE4NANO Program Helps Tribal Students

In May, assistant professor Stefan Wilhelm in the Stephenson School of Biomedical Engineering, hosted a summer research camp that is called [Bionanotechnology Engagement for Native Americans in Oklahoma](#) (BE4NANO). He works with Oklahoma's Wichita and Kiowa nations. On Day 1, the Tribal students practiced micropipetting, synthesized and characterized nanoparticles, as well as learned about cell culture.



## Awards, Honors & More News

- Kash Barker, a professor in the School of Industrial Engineering, has been named a [Fulbright Scholar](#). He will spend five months at Aalto University in Finland working with Ahti Salo, a leader in decision analysis.
- Michael Detamore, a professor in the Stephenson School of Biomedical Engineering, was featured on [KFOR-TV and KOCO-TV](#). He discussed how his research team is the first to use regenerative medicine as a tool to help [treat traumatic brain injury](#).
- Kianoosh Hatami, a professor in the School of Civil Engineering and Environmental Science, was elected a [Fellow of the American Society of Civil Engineers](#). A known scholar in geosynthetics and soil reinforcement, he has five U.S. and international patents and more than 135 peer-reviewed technical publications.
- Thirumalai (Venky) Venkatesan, a professor in the School of Electrical and Computer Engineering, continues to be [recognized worldwide for his work](#) in advanced technology innovation. This year, he is a newly inducted fellow in the National Academy of Inventors, the Royal Society and the Singapore National Academy of Science.
- The first cohort of students in a new Aerospace Software Systems course through the Oklahoma Aerospace and Defense Innovation Institute's Software Foundry program were recognized in June. Computer Science associate professor Dean Hougen is the lead faculty member for the [Software Foundry program](#).
- CREW students received awards at the [American Society of Reclamation Sciences'](#) annual meeting held in Duluth, Minnesota. Robert Nairn, a professor in the School of Civil Engineering and Environmental Science, serves as CREW

director.



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