



**DEADLINE EXTENDED!**

# Learning, Exploration, and Application for Prospective Engineering Students

## 2024 Summer Camps at KU

**Session Dates**  
June 2-7 (Math/AE) June 9-14 (CS/AI)  
Arrival for all camps is Sunday at 4pm. Departure is Friday at 5 pm.

**We have a fun-filled approach to engineering where students learn by doing!**

Our summer camps will have hands-on projects like flight tests and RC cars in each session. All sessions are week-long on-campus residential camps at KU. Students will be housed in a dorm with a full meal plan. Each camp has two focus areas: Math & Aerospace Engineering or Computer Science & Artificial Intelligence.

There is **NO COST** to attend these camps (other than transportation to/from campus). Computers will be provided during classes for those who do not have laptops. Funding for this program is provided by the National Defense Education Program (NDEP) in Science, Technology, Engineering, and Mathematics (STEM), Biotechnology, and Enhanced Civics Education.

Application open for incoming Juniors and Seniors!

**TEACHERS**

Spots are open for High School teachers for all sessions. Housing, enrollment and meals are provided at no cost. Teachers will be provided necessary educational material to transfer the UAV and RC car-based AI educational programs into their high school curriculum.



Apply using this link

### FOCUS AREAS

- Math**  
Learn the basics of linear algebra and probability, two necessary mathematical tools for deep learning and artificial intelligence.
- Computer Science (CS)**  
Learn the fundamentals of optimization algorithms and computer coding critical for computations in deep learning and artificial intelligence.

- Aerospace Engineering (AE)**  
Learn about the basics of aircraft dynamics, control, and autonomy. Deepen your understanding through hands-on projects on unmanned aerial systems and actual flight tests.
- Artificial Intelligence (AI)**  
Build an autonomous car which can drive itself using a neural network model and a front-facing camera. Learn essential basics of AI systems by training a neural network model for the autonomous car on the Google Colab cloud environment and testing the trained model on an actual RC car.

**APPLY TODAY**

**Application deadline: May 1, 2024**

Preference given to rural and military-connected students.

