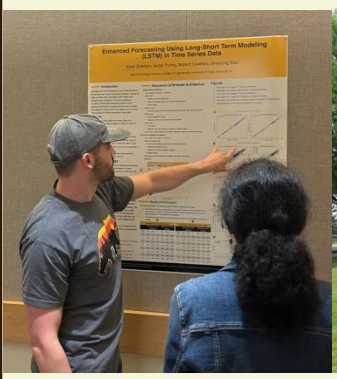
KANI Interdisciplinary Summer Camp for Weather Resilience and Engineering Innovation, 2027

Kansas State University · University of Arkansas · University of Nebraska Lincoln · Iowa

The University of Iowa is hosting a **10-day, paid summer camp/mini-internship** focused on advancing undergraduate students' knowledge in **weather prediction, local weather intelligence assessment, and resilience in agricultural communities**. This immersive program, funded by the National Science Foundation (NSF)'s EPSCoR program (Award #2420405), will provide hands-on training and exposure to cutting-edge technologies to 40 undergraduate students.







Camp Highlights

Participants will:

- Understand weather resilience in the rural community.
- Explore emerging technologies, including the **Internet of Things (IoT), unmanned aerial vehicles (UAVs), machine learning (ML), artificial intelligence (AI),** and cloud and high-performance computing applications.
- Engage in interactive **workshops, group projects,** and **professional development** activities.
- Work on a group project culminating in an **end-to-end application** aligned with students' academic and career interests.
- Receive a camp participation certificate.

How to Apply

Submit the following materials by March 15, 2027, at: https://dare.org.uiowa.edu/

- A one-page resume
- An unofficial transcript
- A one-page essay describing how this camp aligns with your academic and career goals

(Applications may be considered after March 15 until all slots are filled.)

Eligibility: Open to **undergraduate students (US citizens or permanent residents)** currently enrolled in public or private universities and community colleges in **Kansas, Arkansas, Nebraska, and Iowa (KANI states).**

Program Details

- **What:** Workshops and hands-on training in emerging technologies, professional development sessions, networking opportunities, and group projects.
- **When:**
  - Onsite: June 2 – 11, 2027 (8:30 AM – 4:00 PM)
  - Virtual: Pre-workshop training (one week before camp) and post-camp follow-ups (one week after camp).
- **Where:** The University of Iowa, Iowa City, IA
- **Cost:** Free! Includes housing and a stipend of **$100 per day** for Iowa students, June 2 – 11, 2027. (Note: participants from outside Iowa may receive a different stipend amount.)
- **Topics:**
  - Weather intelligence and community resilience
  - Sensor development and deployment
  - Artificial intelligence applications
  - Unmanned aerial vehicles (UAVs)
  - Field trips
  - Professional development workshops
  - Networking opportunities

Take advantage of this opportunity to gain valuable skills, expand your network, and prepare for cutting-edge challenges in weather intelligence and innovative engineering!

DARE

For additional questions, please contact Marc Linderman (marc-linderman@uiowa.edu) and Shaoping Xiao (shaoping-xiao@uiowa.edu). This material is based upon work supported by the National Science Foundation under Grant Number 2420405. Any opinions, findings, and conclusions or recommendations expressed in this material are those of the author(s) and do not necessarily reflect the views of the National Science Foundation.