



# CoSense Summer Program

## June 2nd – June 6th, 2025

**This summer, we are proud to present a co-center collaboration between the Center on Cognitive Multispectral Sensors (CogniSense) and the Center for the Co-Design of Cognitive Systems (CoCoSys), offering students a unique opportunity into our Centers' research to explore the latest advancements.**

The CoSense Summer Program invites high school students (grades 10-12) to explore the cutting-edge fields of cognitive sensing and collaborative human-AI systems. This hands-on program will focus on the latest advancements in sensor technology, artificial intelligence, and system integration, providing students with a unique opportunity to develop leadership skills and engage in creative problem-solving.



### Throughout the week, students will:

- Engage in hands-on activities and simulations focused on sensor design, signal processing, machine learning, and AI collaboration.
- Attend guest talks from leading researchers and industry experts.
- Collaborate on mini projects, working in teams to solve real-world challenges at the intersection of cognitive sensors and AI systems.
- Participate in leadership workshops aimed at fostering creative thinking, teamwork, and problem-solving skills.
- Showcase their projects and research findings to peers, families, and faculty at the end of the program.

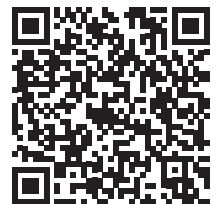
The program will also feature site visits to labs and facilities, providing students with firsthand insights into the technologies shaping the future of sensing.



### Who Should Apply?

The CoSense Summer Program is designed for high school students (grades 10-12) who are passionate about technology, innovation, and creative problem-solving. No prior experience is required, just a curiosity about how advanced sensors and systems can be integrated to address real-world challenges.

Join us for an exciting week of learning, collaboration, and leadership development!



*SRC Acknowledgment: This work was supported in part by CogniSense, one of seven centers in JUMP 2.0, a Semiconductor Research Corporation (SRC) program sponsored by DARPA.*