

Join us for an
exciting second
year of summer
school in

HIGH ENERGY DENSITY SCIENCE

Unlock the Mysteries of Extreme Physics

Are you an undergraduate student with a passion for physics, engineering or related fields? Are you ready to dive into the cutting-edge world of High Energy Density Science (HEDS)? This is your chance to explore one of the most dynamic and impactful areas of modern science.

What is HEDS?

HEDS explores the behavior of matter under extreme conditions—pressures, temperatures and densities found in stars, planetary cores and fusion experiments. It's a field that bridges fundamental physics, astrophysics and advanced technology.

Program Highlights

- Lectures on cutting-edge topics in HEDS, including plasma physics, laser-matter interactions and astrophysical applications
- Hands-on workshops and experiments using state-of-the-art tools and techniques
- Career development sessions to help you prepare for graduate school or a career in science and technology

Why Attend?

- Learn from Experts: *Engage with leading scientists and researchers in the field.*
- Hands-On Experience: *Participate in labs, experiments and simulations.*
- Expand Your Horizons: *Discover real-world applications in astrophysics, fusion energy and beyond.*
- Network: *Connect with peers and mentors who share your passion for science.*
- The school is open to undergraduate students in physics, engineering or related fields who are curious, motivated and eager to learn about the frontiers of science.

AUGUST 3-7, 2026
**Held at the University of California
Livermore Collaboration Center
in Livermore, CA • uclcc.org**

Students and faculty can request travel stipends.