JOIN THE RESEARCH TEAM AT CISTAR THIS SUMMER!

Prepare to be an innovative leader in the global energy economy by developing your skills as a researcher in our summer program.

APPLICATION IS OPEN
JANUARY 10-FEBRUARY 15
Application details listed on next page

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2022 RESEARCH EXPERIENCE FOR UNDERGRADUATES (REU) PROGRAM AT PURDUE UNIVERSITY

The CISTAR REU program and Purdue Summer Undergraduate Research Fellowship (SURF) program have partnered to provide a hands-on research experience for undergraduate students from other institutions. This program is designed to stimulate interest in advanced education and research careers. CISTAR/SURF will match undergraduates with a faculty member and graduate student mentor who will then introduce them to the research tools used on the cutting edges of science, engineering, and technology.

DETAILS ABOUT THIS COMPETITIVE FELLOWSHIP:

- A paid, 10-week immersive summer research experience is guided by the faculty and graduate student mentors. Housing and travel to campus are provided.

- In addition to research activities, students will participate in weekly professional development workshops and tours/information sessions with the 30+ companies who are members of CISTAR's industrial consortium.

- The program culminates with a student research symposium where all fellows present a technical poster or an oral talk and a final report.

PROGRAM DETAILS:

- Ten-week session at Purdue University, May 23, 2022 - August 1, 2022
- $5,100 stipend
- Travel and housing provided

RESEARCH PROJECTS:

- Design of Metal-Functionalized Porous Carbons for Electrochemical Reactions
- Geometry Optimization for Electrical Dehydrogenation Reactor
- Synthesis of Alloy Nanoparticles for Selective Catalysis
- Zeolite Catalyst Design for Light Hydrocarbon Conversion
- Zero Emission Chemical Production from Shale Gas

https://cistar.us

CISTAR SUMMER 2022 RESEARCH EXPERIENCE PROGRAM FOR UNDERGRADUATES
HOW TO APPLY:
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JANUARY 10, 2022 - FEBRUARY 15, 2022

1. Complete the application form
Begin the application process with SURF.

2. Submit your letter of interest & resume
Describe your research experience, qualifications, relevant experiences, and career goals in the letter of interest and upload your resume.

3. Send Unofficial University transcript
Upload a PDF of your original transcript to the application system.

4. Explore CISTAR research projects
Search the project listing for those which include CISTAR in the title and indicate those that are of interest to you.

5. Await response from the CISTAR program
Interviews will begin on January 24.

Eligible students must be U.S. citizens or permanent residents, currently enrolled in a college or university, and attending in the fall. Students from underrepresented minority groups, women, persons with disabilities and veterans are strongly encouraged to apply.

For more information, please contact Maeve Drummond Oakes (maeve@purdue.edu)

CISTAR: SHAPING A NEW ENERGY FUTURE
CISTAR’s vision is to create a transformative engineered system to convert light hydrocarbons from shale resources to chemicals and transportation fuels in smaller, modular, local, and highly networked processing plants. Through CISTAR’s four pillars: hydrocarbon research, workforce development, diversity and inclusion and industrial partnerships, CISTAR program participants are given the tools to become technically-excellent and innovative leaders in the global energy economy.