

## EXPLORE RESEARCH OPPORTUNITIES FOR UNDERGRADUATES

# JOIN THE RESEARCH TEAM



Engineer solutions for the revitalization of the U.S. petrochemical and fuels industries through basic research aimed at sustainable development of America's light hydrocarbon resources today for a sustainable tomorrow



## RESEARCH EXPERIENCE FOR UNDERGRADUATES

Fuel the future as a **Research Experiences for Undergraduates (REU)** summer researcher with CISTAR. You will have the opportunity to work with world-class researchers at one of CISTAR's five partner universities. As a CISTAR REU student, you will work on a research project in your area of interest and be matched with a CISTAR Graduate Fellow mentor who will help you develop your skills as a researcher and gain insight into the world of graduate school.

## RESEARCH AREAS

- Synthesis and characterization and testing of new catalyst or membranes for separation
- Separations (advanced membranes and ionic liquids)
- Process modeling and systems integration
- Environmental and life cycle analysis

## PROGRAM DETAILS

Opportunities available at CISTAR partner universities for undergraduate students studying chemical engineering, materials engineering or chemistry.

**DATES:** May 26, 2020 - July 31, 2020

**APPLICATION PERIOD:** December 1, 2019 - February 15, 2020

**STIPEND:** \$5,000 plus housing and travel.

**MAY 26,  
2020 -  
JULY 31,  
2020**

**APPLY NOW:**

<http://bit.ly/REUapp20>



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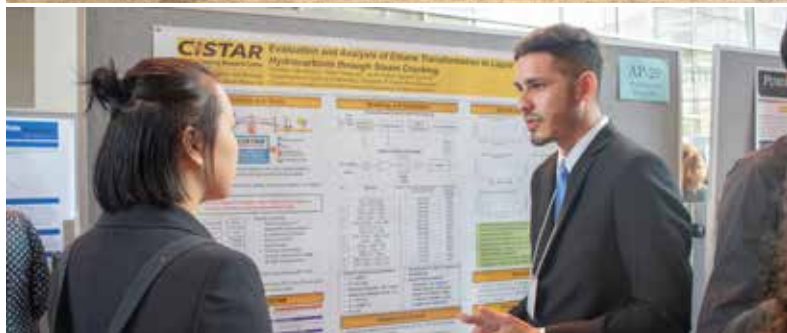
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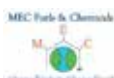
CISTAR is dedicated to creating an environment that welcomes, respects, and supports people from all backgrounds.

# 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 who value cultural differences in the global energy economy.

## CISTAR INDUSTRIAL PARTNERS



For more information, please contact Assistant Director for Education, Maeve Drummond. [maeve@purdue.edu](mailto:maeve@purdue.edu), 765-494-2254



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