REU 
Research Experience for Undergraduates

LOCATION
(Hattiesburg) www.visithattie.com
One hour from Mississippi Gulf Coast
Close to New Orleans, Mobile and Jackson

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WWW.USM.EDU/POLYMER/NSF-RESEARCH-EXPERIENCE-UNDERGRADUATES-REU

THE UNIVERSITY OF SOUTHERN MISSISSIPPI
School of Polymers and High Performance Materials
118 College Drive #5050
Hattiesburg, Mississippi 39406-0001
Phone: 601.266.4868 | Fax: 601.266.5504
AA/EOE/ADA
REU
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2015 – Tuesday, May 26 – Friday, July 31
2016 – Tuesday, May 31 – Friday, August 5
2017 – Tuesday, May 30 – Friday, August 4

Each summer, participants will be engaged in fundamental research projects that span the complex, interdisciplinary facets of materials sustainability—including polymer synthesis from renewable sources, materials with enhanced properties and lifetime, materials to improve utilization of natural resources, reduced energy polymer processes, and biodegradable materials—while gaining the tools to assess the environmental impact of new material development.

**RESEARCH Areas**

- Materials for the Preservation and Extension of Natural Resources: Alternative energy materials and devices, membranes for carbon dioxide separation, polymers for contaminant remediation
- Materials Designed for Zero Waste Using Biobased Raw Materials: Composite materials development from polymers and additives from renewable resources, degradable plastics
- Materials Replacement for a Safer and More Secure Future: Low-weight composites, low-energy processing techniques
- Improved Materials During Operating Conditions: Infrastructure protection through corrosion mitigation and energy absorption, extending the lifetime of materials

**Participant BENEFITS**

- $5,000 summer stipend
- On-campus housing (www.usm.edu/reslife)
- Limited travel support
- Team-building activities
- Field trips

**APPLICATION Materials**

- Completed application form
- Two letters of recommendation
- Current transcripts

**DEADLINE**

All application materials due March 1. www.usm.edu/polymer/nsf-research-experience-undergraduates-reu