

## EXAMPLE SCHEDULE

### Week 1

- Monday:  
Orientation 8:00am-4:00pm
- Tuesday:  
Lecture: Polymer Synthesis 9:00am-11:00am
- Wednesday:  
Lecture: Polymer Physics 9:00am-11:00am  
Lecture: Ethics I 5:00pm-7:00pm
- Thursday:  
Lecture: Polymer Engineering 9:00am-11:00am
- Friday:  
Lecture: Biomaterials 9:00am-11:00am  
Lunch 12:00pm-1:30pm

### Week 6

- Monday:  
Faculty Research Seminar 9:00am-11:00am
- Thursday:  
Meeting: How to prepare a technical  
Presentation 12:00pm-1:30pm
- Friday:  
Visit: NASA Glenn Research Center

### Week 11

- Monday:  
Faculty Research Seminar 9:00am-11:00am
- Thursday:  
Northeast Ohio Undergraduate Research  
Conference
- Friday:  
Panel Discussion: Government Careers  
9:00am-11:00am  
Lunch 12:00pm-1:30pm  
Discussion about exit requirements  
1:30pm-3:00pm

## HOW TO APPLY

Application instructions can be found at  
<http://www2.uakron.edu/cpspe/DPS/reu.php>.

Send questions and/or applications to  
Kelli Fetter (330-972-7667,  
[polymerreu@zips.uakron.edu](mailto:polymerreu@zips.uakron.edu)):

Kelli Fetter  
College of Polymer Science  
and Polymer Engineering  
REU Coordinator  
The University of Akron  
Akron, OH 44325-3909  
Attn: REU Summer Internships

Please submit application materials by  
**March 1, 2011.**



# RESEARCH EXPERIENCE FOR UNDERGRADUATES

COLLEGE OF POLYMER SCIENCE AND  
POLYMER ENGINEERING  
THE UNIVERSITY OF AKRON  
SUMMER 2011



Goodyear Polymer Center

National Polymer Innovation Center



## RESEARCH TEAMS

The research team will consist of graduate students, interns, post-doctoral research associates and faculty members from the College of Polymer Science and Polymer Engineering (CPSPE) with specific research interests that align with their role in the four cluster areas (R1) Chemistry, (R2) Physics, (R3) Engineering and (R4) Biomaterials.

**Additional research projects may be available depending on the level of funding**

## ABOUT THE PROGRAM

The College of Polymer Science and Polymer Engineering offers a competitive summer research experience for undergraduate (REU) students. Students will participate in a 12-week summer internship to investigate a fundamental question within the broad disciplines of polymer science and polymer engineering including chemistry, physics, characterization, and biomaterials.

Each week, all interns will participate in research activities, a career development activity, discussions outlining their research progress, and a visit to a regional company or national laboratory. The summer will culminate with an oral or poster presentation of each intern's research results at the Northeast Ohio NSF-REU Undergraduate Research Conference.

## ABOUT THE COLLEGE

The College of Polymer Science and Polymer Engineering is located in the Good-year Polymer Center and the Polymer Engineering Academic Center. The college has 86 research laboratories with state-of-the-art research instrumentation in NMR spectroscopy, chromatography, thermal analysis, rheooptics, x-ray diffraction, electron microscopy, computational science and molecular biology.



Polymer Engineering Academic Center

Stipends for Summer 2011 (12 weeks) are \$7,000. The internships are sponsored by the National Science Foundation, the University of Akron and the Goodyear Tire & Rubber Company.



Dates for the internship Program are May 16, 2011-August 5, 2011, unless arranged otherwise.