Are you looking for a summer research experience that is both professionally and personally rewarding? The Department of Chemical and Biological Engineering at the University of Colorado will be conducting a ten-week summer research program for undergraduates in chemical engineering, chemistry, biochemistry, environmental engineering, bioengineering, materials science, and related fields. Undergraduates will be selected for this program via a competitive process based on their academic record, letters of recommendation, personal statements, and accomplishments. This program is restricted to U.S. citizens or permanent residents.

**Research Projects**

Each undergraduate will work with a faculty member on a research project in the area of advanced functional materials. Specific projects include:

- Degradable orthopaedic biomaterials
- Ultrathin polymer film growth
- Biotechnology membrane separations
- Atomic layer deposition
- Liquid-crystal biosensors
- Cross-linked liquid crystal assemblies
- Zeolite membrane separation
- Catalysis
- Microparticle flows and synthesis
- Polymers for microfluidic devices
- Gas separation using ionic liquids
- Photopolymerized microcomposites
- Microparticles containing viruses
- Nano-patterned molecular monolayers
- Photopolymerized hybrid copolymers
- Semiconductor gas sensors

**Program Highlights**

- Weekly seminar
- Weekly luncheons with faculty
- Poster session
- Graduate and postdoctoral research mentors
- Social events: rafting, hiking, Shakespeare festival
- Financial provisions: $4,500 stipend/$2,000 food/lodging/travel
- Modern apartment-style housing available
- Minutes from downtown Boulder, 45 minutes from Denver
- Access to public recreational trails

Interested students should submit a completed application form along with the requested supporting materials. Additional information and applications are available at:

http://www.colorado.edu/che/reu/

Application packets must be postmarked by March 1, 2011