



Center for Research on Interface Structures and Phenomena
An NSF Materials Research Science and Engineering Center
Southern CT State University • Yale University • Brookhaven National Laboratory

Research Experience for Undergraduates (REU) Fellowship Program
Southern Connecticut State University

The CRISP Research Experience for Undergraduates at SCSU (CRISP REU @SCSU) fellowship program provides students with the opportunity to conduct team-based interdisciplinary research. Participating students conduct a ten-week research project as members of a research team including university faculty and graduate students. Fellows will be exposed to other research available on campus and at other CRISP laboratories at Yale through weekly meetings and seminars. At the end of the program, participants document and present their work in a professional forum.

The fellowship period is for 10 weeks starting in June and ending in August (i.e. June 1 – August 3) and will carry a stipend of \$3,000. Fellows should have completed their junior year by the beginning of the fellowship period, although consideration will be given to exceptionally well qualified underclassmen. Students participating in the CRISP@SCSU REU program will be responsible for obtaining transportation to SCSU and/or Yale University for the duration of the program (the program is non residential).

Candidates should complete the attached application. Applications should be mailed as soon as possible, but **no later than February 15, 2010**; results will be announced no later than April 1, 2010.

Applications from women and underrepresented minorities are especially encouraged and should be so identified. Undergraduate student participants supported with National Science Foundation funds must be citizens or permanent residents of the United States or its possessions.

Information about CRISP can be found at <http://www.crisp.yale.edu>.

CRISP at SCSU project topics include:

- Microscopy study of nanomaterials with interdisciplinary applications
- Image processing of microscopy data
- Structure of single-crystal oxide surfaces
- Magnetic force microscopy
- Electronic and optical properties of nanotubes and nanowires
- Electrical characterization of semiconductor devices
- Microstructural characterization of semiconductor devices
- Atomic scale visualization of semiconductor nanowires

For additional information, contact:

Dr. Christine Broadbridge, Education Director, CRISP
SCSU Department of Physics, JE 108 • 501 Crescent Street • New Haven CT • 06515-1355
christine.broadbridge@yale.edu

CRISP at SCSU REU Fellowship Application

PLEASE TYPE OR PRINT IN INK THE NEEDED INFORMATION REQUESTED BELOW. If any additional space is needed, please use a separate sheet of paper with your name and current undergraduate institution clearly indicated.

PERSONAL INFORMATION:

Last: _____

First: _____ Middle: _____

D.O.B. : _____ Age: _____ Gender: Male Female

Citizenship Status: U.S. Citizen Permanent Resident Foreign Citizen

Country of Citizenship: _____

Visa Status: _____

MAILING ADDRESS (Valid until _____)

Street: _____

City: _____ State: _____ Zip Code: _____

Country: _____ Daytime Phone: _____

PERMANENT ADDRESS

Same as Mailing Address

Street: _____

City: _____ State: _____ Zip Code: _____

Country: _____ Daytime Phone: _____

Email address: _____

ACADEMIC INFORMATION:

Undergraduate Institution: _____

Major(s): _____

Minor(s): _____

Overall Cumulative GPA: _____ Cumulative GPA in Major: _____

Expected date of Graduation (MM/YY): ____ / ____

RACIAL/ETHNIC BACKGROUND:

- White
- Black/African American
- Hispanic (Please specify) _____
- Native American (Please specify) _____
- Asian American (Please specify) _____
- Pacific Islander (Please specify) _____
- Bi- or Multi-racial (Please specify) _____
- Other background (Please specify) _____

YOUR COMPLETED APPLICATION MUST INCLUDE THE FOLLOWING:

- ✧ **CURRENT RESUME or CURRICULUM VITAE**
Include a copy of your updated resume/CV with this application.
- ✧ **RECOMMENDATION LETTERS**
Two letters of recommendation either sent directly to CRISP Education Director or included with your application in a sealed envelope and signed across the seal by your recommender.
- ✧ **OFFICIAL TRANSCRIPT**
Current official transcript(s) are to be sent directly to the CRISP Education Director.
- ✧ **PERSONAL STATEMENT**
Statement should be no longer than 1 page in length (single-spaced, 12 point).

INFORMATION VERIFICATION:

All information included in this application is true and correct to the best of my knowledge.

Student Signature: _____

Date: _____

MAIL ALL APPLICATION MATERIALS TO:

Dr. Christine Broadbridge, Education Director, CRISP
SCSU Department of Physics, JE 108 • 501 Crescent Street • New Haven CT • 06515-1355