

**Welcome to SURF - Gaithersburg, MD** <http://www.surf.nist.gov/welcome.htm>

Undergraduate, including graduating seniors, are invited to participate in the National Institute of Standards and Technology's Gaithersburg, MD Summer Undergraduate Research Fellowship (SURF) program for students majoring in science, mathematics and engineering. Note that applications for participation in this SURF program are only accepted from colleges or universities, and not from individual students. Students can participate in any one of the seven NIST laboratories:

<http://www.surf.nist.gov/respr.htm>

- Building and Fire Research
- Chemical Science and Technology
- Electronics and Electrical Engineering
- Information Technology
- Manufacturing Engineering
- Materials Science & Engineering
- Physics.

The student will indicate in which laboratory he/she is most interested. The applications will be considered by all programs, with consideration of the student's preferences and research interests. We anticipate providing meaningful research opportunities for approximately 25 SURFers in the Physics Laboratory (PL), and 10-15 in each of the other Laboratories. The NIST facilities are located just outside Washington, DC.

The NIST site in Boulder, Colorado, also operates a SURF programs with a distinctly separate application. Students are encouraged to review research opportunities in Boulder. An application for one SURF program does not constitute an application for the other.

The SURF Program is anticipated to run between May 29 - August 10, 2007; adjustments may be made to accommodate specific academic schedules (e.g., a limited number of 9-week (June 11 - August 10, 2007) slots). SURF students receive **stipend and housing and travel allotments** (as needed). Students who complete the full 11 week program will receive a **\$4,000 stipend**.

You will find a list of frequently asked questions here: <http://www.surf.nist.gov/faqs.htm>

### ***Eligibility***

Citizenship Requirements <http://www.surf.nist.gov/elig.htm>

The program is open to all United States citizens or permanent residents.

Students must be undergraduates at a U.S. university or college with a scientific major, have a G.P.A. of 3.0/4.0 or better (recommended), and are considering pursuing a graduate degree (M.S. or Ph.D.). Students with physics, material science, chemistry, applied mathematics, computer science, or engineering majors are always encouraged to apply. There may be research opportunities for students with other majors.

**Application:** Complete the attached Application Checklist and submit all materials for review by Dr. Teresa Viancour, [viancour@umbc.edu](mailto:viancour@umbc.edu), 5-5881, ADM-909, no later than January 15, 2008 – we must receive your completed application no later than two weeks prior to the February 15 deadline listed on the application.

National Institute of Standards and Technology  
**NIST SURF Program**

**Student Applicant Information**

To be filled out by student applicant and included with completed institutional application  
**DO NOT SEND SEPARATELY**

Name \_\_\_\_\_ Institution \_\_\_\_\_

Email address + quickest contact (cell, apt/dorm phone) \_\_\_\_\_

Home Address \_\_\_\_\_

**Current Class Standing (check only one)**

Freshman     Sophomore     Junior     Senior     5<sup>th</sup> Year Senior

**Applying to SURF Program in: (*Please Note: indicate 1<sup>st</sup> and 2<sup>nd</sup> choices*)**

**(Look under "Research Programs" at the website below for more information)**

Physics     Materials Science & Engineering     Manufacturing Engineering     Information Technology  
 Building & Fire Research     Electronics & Electrical Engineering     Chemical Science & Technology

Major (Minor) \_\_\_\_\_ Current Overall GPA \_\_\_\_\_

Do you require housing?  Yes  No    (your gender)  Male  Female    (for housing purposes only)  
*Students should expect to share a bedroom with one other student*

Available for the entire 12-week SURF Program? (5/29/2007- 8/10/2007)     Yes     No  
*If no, give availability dates \_\_\_\_\_*

Limited number of 9-week slots are available (6/11/2007 – 8/10/2007)

***NOTE: All students must attend through the final week in August***

Are you a U.S. Citizen? \_\_ YES or \_\_ NO

If not a U.S. Citizen, are you a Permanent U.S. Resident with a valid Green Card? \_\_\_ YES or \_\_\_ NO

Do you have health insurance? \_\_\_ YES or \_\_\_ NO

**Checklist:**

- Resume
- Two letters of recommendation
- Transcripts (unofficial copies acceptable)
- Personal statement of commitment to participate and description of prioritized research interests
- If selected, willing to provide verification of U.S. citizenship or permanent legal residence, (e.g. copy of birth certificate, passport, or green card)
- If selected, willing to provide verification of health coverage (e.g., copy of health insurance card)

**Submit to University contact for inclusion with institutional application – DO NOT SEND SEPARATELY**

**APPLICATION DEADLINE: February 15**

**Application Questions: Anita Sweigert, Phone: 301-975-4200, Fax: 301-975-3038**

**Website: <http://www.surf.nist.gov/surf2.htm>**