

Internships and Scholarships Available for 2011

Scholarships:

The Frederick Business & Professional Women's Club is seeking applicants for its annual scholarship awards. This scholarship directly applies to those currently enrolled and attending a college-level course study.

Requirements:

- a. Must be a resident of Frederick County
- b. Must show financial need
- c. Must have professional drive and/or promise
- d. Must have academic achievements and professional qualifications

All applications, college-level transcripts, and (three) letters of reference must be received on or before February 12, 2011. Scholarships typically are awarded for the summer and/or fall semester of 2011.

Applications are available at www.bpwfrederick.org under the Scholarship tab on the left.

The Society of Women Engineers is an organization dedicated to the betterment of women in the fields of computer science or engineering. For current female seniors applied/accepted (in)to accredited colleges, the application for the 2011-2012 year will be available in March here.

To apply, one must fulfill the following requirements:

One must be a full-time student; one must be a U.S. student, or a full-time, permanent resident; one must have a minimum un-weighted GPA of 3.5 on a scale of 4.0; and one must not have full funding through other sources (e.g. Military service, reimbursements from employers).

The American Nuclear Society Incoming Freshman Scholarships are awarded to graduating high-school seniors who have enrolled, full-time, in college courses and are pursuing a degree in nuclear engineering or have the intent to pursue a degree in nuclear engineering. ANS will give a maximum of four Incoming Freshman Scholarships annually. Each award is \$1000.

The Scholarships are awarded based on an applicant's high school academic achievement, Freshman College courses (enrolled in), quality and content of 500-word essay, letters of recommendation by counselors and/or teachers, and other information.

The Application Deadline is April 1st. Check out the [application](#).

The National Action Council for Minorities in Engineering supports African American, American Indian, and Latino engineering students intending to pursue degrees

in engineering. Throughout the year, over four million dollars of scholarships are divvied among qualified applicants enrolled in accredited colleges or universities. To be eligible students must enroll in an engineering program at a partner university, maintain a minimum required GPA (varying from 2.5 – 2.8); and register for NACME's student online resume directory.

To learn more about the council and its offerings, check out the [website](#).

ACE's Frederick affiliate offers many scholarships to deserving participants every year. Scholarships go to seniors, and are based upon performance, originality, participation, and motivation in the ACE program.

The Maryland Ready Mix Concrete Association offers scholarships to students planning to pursue a concrete or construction-related degree. This \$2000 annual scholarship is to be awarded to a Maryland high school graduate who is accepted for enrollment at any of the participating Community Colleges or Universities with a major in Concrete or Construction Management.

Internships:

Summer Undergraduate Research Fellowship Program (SURF) is looking for its new applicants for mathematic researching, visualizations, and high performance computing. Students must submit a copy of their college transcripts, two letters of recommendation, and a letter of intent or personal statement.

For more information, contact Isabel.beichi@nist.gov, or visit NIST's webpage [here](#).

Student Temporary Employment Program (STEP) is also looking for applicants interested in either Mathematics or Computer Science; these students may be undergraduate or graduate students. Students are expected to work full-time in the summer, and in school breaks.

Students should submit resumes directly to the Summer Intern Coordinator of the Mathematical and Computational Sciences Division at NIST, Dr. David E. Gilsinn, dgilsinn@nist.gov.

Resumes must be applied by no later than March 1st. Notification will come around April 1st.

Bechtel, too, has opportunities to students. Mostly positions are available to college students, but there may be exceptions as new opportunities arise. Search Bechtel's online directory at <http://careers.bechtel.com/Positions/search.aspx>. Be sure to select Summer Intern/Co-Op under the Experience Level tab.

The GEMS/YES Program is recruiting young individuals interested in the STEM fields for a Near-Peer Mentoring week. Near-Peers, typically in their late high school years, assist in the teaching of material to middle-school interested STEM students at Hood College for a

week in the summer. To find out more about the program, visit the informational website [here](#).

Student Research Opportunities at the U.S. Army Medical Research Institute of Infectious Diseases has opportunities for student participation in laboratory research. Students gain hands-on laboratory experience and scientific knowledge while contributing to a vital national mission in bio-defense. Research opportunities are available full-time in the summer and part-time during the fall and spring semesters. Prospective students may be from undergraduate or graduate degree programs.

Depending on student interests and their educational institution's program, students may receive class credit for their research participation. The research opportunity may be a paid position or a volunteer position.

Students may apply through the ORISE program at <http://www.oraui.gov/orise.htm>. To learn more about USAMRIID, and its research programs, visit <http://www.usamriid.army.mil>, or call 301-619-4624.

The City of Frederick's internship program offers many internships for hopefuls in fields of Engineering, Information Technology, and Finance. These particular internships require a minimum of 24 hours invested per week.

To apply, you must send in your resume, a one-to-two page essay stating your desire to acquire an internship, and the names, addresses, and phone numbers of three applicable references.

The year-long program, however, is more flexible according to working hours, school, and other scheduling conflicts.

To download an application form, visit [here](#). Otherwise, contact the Human Resources department at 301-600-1388.

The Junior Engineering Technical Society has scholarships for eligible high school students looking to pursue a career in the field of power management and other related fields. This competitive scholarship will be awarded based on an application and a 750-word maximum essay. In the essay, applicants address the following issue: *Tell us why you would or would not want a nuclear power plant to be built in your hometown. Does your answer change if, instead of a nuclear power plant, a big solar energy collector is to be built? Why or why not does your answer change?*

Three scholarships of amounts \$5000, \$2500, and \$1000 will be awarded to the best submitters. For more information, contact Megan Balkovic at mbalkovic@jets.org or (703) 548-5387, ext. 102; or David Wagman of Power Engineering magazine at davidw@pennwell.com or (918) 831-9866.