

2009 STEM (Science, Technology, Engineering & Math)

STUDENT INTERNSHIP OPPORTUNITIES

For more information on requirements and to obtain an application packet contact:

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TUFTS UNIVERSITY Undergraduate Summer Programs:

I. **NSF RESEARCH EXPERIENCE FOR UNDERGRADUATE – Summer**

The Department of Biology offers a paid (stipend) summer research program entitled: “Integrative approaches to studying recognition systems in cells, organisms, and populations.” Students will work closely on a collaborative, interdisciplinary project.

Requirements:

- US Citizenship or Permanent Residency
- Major in a STEM* field
- GPA of 3.0 or above
- Current enrollment at RCC
- 2 letters of recommendation from faculty

Deadline: January 27, 2009

Number of students selected: 10

II. **BUILDING DIVERSITY IN BIOMEDIAL SCIENCES – Summer Research**

The Sackler School offers a 10 week paid (stipend) summer internship for undergraduate students interested in pursuing research careers in the biomedical sciences.

Deadline: February 9, 2009

Number of students selected: 10

UNIVERSITY OF MASSACHUSETTS/BOSTON:

I. **LSAMP Center for International Undergraduate Research**

Summer Undergraduate International Research offers paid (stipend and free housing) opportunities in locations such as Argentina, Brazil, France and Ghana.

Requirements:

- US Citizenship or Permanent Residency
- Major in a STEM* field
- GPA of 3.0 or above
- Current enrollment at RCC
- 2 letters of recommendation from faculty

Deadline: January 1, 2010

Number of students selected: open until slots are filled

II. **Bridges to the Baccalaureate**

Paid (stipend) Summer Research Internships will be conducted at UMASS Boston and Dana Farber. Interns will also participate in facilitated study groups and during the academic year receive Math Tutoring.

Requirements:

- US Citizenship or Permanent Residency
- Major in a STEM* field
- GPA of 3.0 or above
- Current enrollment at RCC
- 2 letters of recommendation from faculty

Deadline: February 15, 2009

Number of students selected: 10

III. **LSAMP - Spring and Fall**

Research internship opportunity:

Assignment will be in a company, organization or school that has been approved by RCC faculty.

Requirements:

- US Citizenship or Permanent Residency
- Major in a STEM* field
- GPA of 3.0 or above
- Current enrollment at RCC

2 letters of recommendation from faculty

Deadline: February 1, 2009 (spring); June 1, 2009 (fall)

Number of students selected: 2

IV. **LSAMP Scholars - Spring and Fall**

Work study type opportunity:

Student will work with RCC faculty member on STEM related assignments. Stipend provided.

Requirements:

- US Citizenship or Permanent Residency
- Major in a STEM* field
- Current enrollment at RCC
- Letter of recommendation from faculty

Deadline: February 1, 2009 (spring); June 1, 2009 (fall)

BOSTON UNIVERSITY

I. **PROSTARS**

Supported by NSF, offers a ten-week paid (stipend) program for students to conduct interdisciplinary research in physics, chemistry or biology.

Requirements:

- US Citizenship or Permanent Residency

- Major in a STEM* field
- Current enrollment at RCC
- 2 letters of recommendation from faculty

Deadline: March 1, 2009

Number of students selected: 6 (2 from RCC)

II. **CENTER FOR BIODYNAMICS**

Paid Summer Research Internship. Students will be trained to use molecular biology techniques, cloning techniques and computational approaches in order to analyze and characterize bacterial gene regulatory networks and underlying cellular responses to antibiotics.

Requirements:

- US Citizenship or Permanent Residency
- Major in a STEM* field
- Current enrollment at RCC
- 2 letters of recommendation from faculty

Deadline: March 1, 2009

MASSACHUSETTS GENERAL HOSPITAL – LAB ANIMAL CARE

I. **Center for Comparative Medicine (CCM)**

In collaboration with Roxbury Community College, CCM is offering a credit based paid (stipend) Internship titled “Laboratory Animal Care - SCI 299.” Interns will combine hands-on training with assigned projects, such as involved innovations in husbandry and veterinary practice, exploring normal biology of a given species or reducing pain or distress in an animal model of human disease or injury. Experiences may include performing proper handling techniques and sample collections methods; conduct routine clinical laboratory assays and manage basic rodent breeding program.

Requirements:

- US Citizenship or Permanent Residency
- Current enrollment at RCC
- 2 letters of recommendation from faculty

Deadline: April 27, 2009

Number of students selected: 4

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

I. **CENTER FOR MATERIALS SCIENCE AND ENGINEERING (CMSE)**

Interns will be part of a 9 - 10 week faculty-led materials research team.

Requirements:

- US Citizenship or Permanent Residency
- Major in a STEM* field
- GPA of 3.0 or above
- Current enrollment at RCC
- letter of recommendation from faculty

Deadline March 13, 2009

Number of students selected: 2

II. **MASSACHUSETTS SPACE CONSORTIUM (MSGC)**

The NASA Undergraduate Research Program (USRP) includes guided laboratory research, collaborative group projects, lectures, field trips, interaction with prominent professionals for NASA and its associates, and oral and written presentations.

Requirements:

- US Citizenship or Permanent Residency
- Major in a STEM* field
- GPA of 3.0 or above
- Current enrollment at RCC
- 2 letters of recommendation from faculty

Deadlines: 1/23/09 (summer); 3/1/09 (fall)

Number of students: 2

III. **DRAPER LABORATORY**

Paid Summer Internships.

Draper Laboratory in Cambridge is actively seeking student candidates for about 80-100+ summer positions which will be ultimately posted for summer of 2009! It will be up to students to frequently check the Draper web site for new postings.

For more information, please contact:

Jennie Thrash – Internship Coordinator

RCC/Academic Building, Room 219F

(617) 933 – 7434

jthrash@rcc.mass.edu

and visit the Draper Lab web site at:

<http://www.draper.com/undergrad/undergrad.html#2>

NASA GODDARD SPACE FLIGHT CENTER

- I. NASA GSFC is offering its Summer Student Internship Program.

Requirements:

- US Citizenship or Permanent Residency
- Major in a STEM* field
- GPA of 3.0 or above
- Current enrollment at RCC
- 2 letters of recommendation from faculty

Deadline: March 6, 2009

NATIONAL ASSOCIATION FOR EQUAL OPPORTUNITY IN HIGHER EDUCATION (NAFEO)**Summer Internship**

The National Association for Equal Opportunity in Higher Education (NAFEO) offers paid summer internship assignments in government and industry for students enrolled in historically and predominantly black colleges and universities. Forty-hour work week. (Some internships require U.S. citizenship.)

Requirements:

- U.S. Citizen or Permanent Resident
- GPA of 3.0 or above
- Current Resume
- Unofficial Transcript
- Official Transcript
- Two completed faculty recommendation forms

Deadline: March 2, 2009

UMASS AMHERST - OFFICE OF INFORMATION TECHNOLOGIES**Paid Summer Internship**

- Business Continuity and Emergency Management Intern
- Software Support Consulting Services Intern
- Telecommunications - Cable Engineering and Design Intern
- Telecommunications – Technical Services Internship
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Descriptions of the positions and application forms can be obtained at:

www.oit.umass.edu/about/intern

Application Procedure:

- A completed application form, printable in word or PDF format

- A Cover letter indicating how you would fill each of the job applications
- A resume
- An unofficial transcript
- Telephone numbers or email addresses of two references (either recent employer or instructor)

Submit application packet in a folder or envelope by Thursday March 5, 2009 to:

Jennie Thrash – Internship Coordinator

RCC/Academic Building, Room 219F

(617) 933 – 7434

GOVERNOR’S OFFICE NON-PAID SUMMER INTERNSHIP PROGRAM

Non-Paid Summer Internship

Description of positions can be obtained at:

<http://www.mass.gov/governor/interns>

Application Procedure:

- A cover letter
- A resume
- A 2 – 3 page writing sample
- Three letters of recommendation
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Mail or email documents by Friday April 10, 2009 to:

Christina Mills – Internship Coordinator

Office of Civic Engagement

State House, Room 160

Boston, MA 02133

Christina.Millis@state.ma.us

SOCIETY OF AMERICAN MILITARY ENGINEERS/ BOSTON (S.A.M.E)

\$2,000 Scholarship

Criteria:

- Must be a United States Born Citizen and Minority, living in New England, currently enrolled in Roxbury Community College majoring in Biological Science, Math, Physical Science or Pre-Engineering
- Successful completion of 12 college-level credit hours in major and a 2.0 GPA
- Nominees must be available to interview with the S.A.M.E. Scholarship Committee in mid-March and recipient(s) must attend S.A.M.E. Boston Post Annual Award Dinner in May

Application packet to include:

- Official RCC Transcript
- Signed Financial Aid Release Form (see Jennie Thrash)
- One Page typed-doubled spaced Student Statement as to why you should receive this scholarship. If applicable include if veteran or family member is currently or honorably served.
- Resume (include extracurricular and community activities)

Submit application packet in a folder or envelope by Thursday February 19, 2009 to:

Jennie Thrash – Internship Coordinator

RCC/Academic Building, Room 219F

(617) 933 – 7434

For more information on any of the above, please contact:

Jennie Thrash – Internship Coordinator

RCC/Academic Building, Room 219F

(617) 933 – 7434

jthrash@rcc.mass.edu

THE MUSEUM OF SCIENCE

Paid and unpaid Summer Internships based on departmental funding availability.

The Museum of Science Internship Program strives to offer exceptional work-learn experiences to high school, college, graduate, and career changing interns.

The Museum of Science Internship Program hosts more than 220 interns each year in a variety of Museum departments and programs. The goal of the Program is to provide a work-learn experience - the intern gains essential professional skills while assisting with the Mission and operation of the Museum.

Currently recruiting for the Summer 2009 semester (May/June-August) in the following departments:

- Butterfly Garden
- ComputerPlace
- Exhibit Interpretation
- Engineering
- Fundraising
- Human Body Connection
- Human Resources
- Information Systems
- Informal Education
- Live Animal care
- Robotics
- and many more!

Descriptions of available internships are posted here:

http://www.mos.org/visitor_info/about_the_museum/internships.

Special Notes: Intern benefits include free parking in the Museum garage, proximity to the Green Line, free admission, discounts in the Museum store and café and much more!

For more information, please contact:

Jennie Thrash – Internship Coordinator

RCC/Academic Building, Room 219F

(617) 933 – 7434

jthrash@rcc.mass.edu

WHITE HOUSE INTERNSHIP PROGRAM

President Obama launched the White House Internship Program for his administration and announced that applications are currently being accepted for the summer of 2009. Those selected to participate in the program will gain valuable job experience and an inside look at the life of White House staff while building leadership skills.

"This program will mentor and cultivate young leaders of today and tomorrow . . .," said President Obama.

In addition to normal office duties, interns will supplement their learning experience by attending a weekly lecture series hosted by senior White House staff, help at White House social events, and volunteer in community service projects.

The 2009 Summer Internship program runs from May 22 to August 14.

Deadline: March 22, 2009

Criteria:

- US Citizens
- Eighteen years of age on or before the first day of the internship.
- Enrolled in a college or university (2-4 year institution) or must have graduated from college in the past two years.

Interns will be placed in a departmental office for their internship. Below is a list of departments in the Office of the President and the Office of the Vice President where interns could be placed.

- White House Department of Scheduling and Advance
- The Office of Cabinet Affairs
- The White House Communications Department
- The White House Office of Public Liaison and Intergovernmental Affairs
- The Office of the First Lady
- The White House Office of Legislative Affairs (OLA)
- The Office of Political Affairs
- The Office of Management and Administration
- The Office of White House Counsel

- The Domestic Policy Council
- The White House Office of Presidential Personnel
- Office of the Vice President

For more information, please contact:

Jennie Thrash – Internship Coordinator

RCC/Academic Building, Room 219F

(617) 933 – 7434

jthrash@rcc.mass.edu

or visit the White House Internship site online at

www.whitehouse.gov/about/internships<blocked>: <http://www.whitehouse.gov/about/internships>>

MASSACHUSETTS BIOLOGIC LABORATORIES

Massachusetts Biologic Laboratories has a paid Summer Internship opportunity. The title for the position would be “Process Development Cell Culture Intern”.

For more information, please contact:

Jennie Thrash – Internship Coordinator

RCC/Academic Building, Room 219F

(617) 933 – 7434

jthrash@rcc.mass.edu

Massachusetts Life Sciences Center

Paid Summer Internship Opportunities

The Massachusetts Life Sciences Center is promoting an Internship Challenge. It is a workforce development program focused on enhancing the talent pipeline for life sciences companies and research institutions in Massachusetts. The new program will provide Summer 2009 internships to at least 100 undergraduate Science, Technology,

Engineering, and Mathematics (STEM) majors who are considering career opportunities in life sciences – in either an industry or academic setting.

Selected students will receive a stipend of **\$4,800** for **8 weeks of work** and host companies or institutions will commit to providing a dedicated mentor and meaningful internship opportunity that ties to the academic focus of eligible students, along with matching funds where feasible.

Eligibility Requirements:

- Any student enrolled in a four-year Massachusetts public or private college or university and majoring in a STEM field is eligible to compete for an internship, provided that they have completed at least their junior year of study. Students who have graduated from such institutions within the past year are also eligible.
- Any student enrolled in a community college located in Massachusetts and concentrating in a STEM field is eligible to compete for an internship, provided that they have completed their Associate's Degree, Certificate, or the equivalent of one year's course work related to the internship placement.
- Students who have graduated from a community college within the past year are also eligible.

For more information, please contact:

Jennie Thrash – Internship Coordinator

RCC/Academic Building, Room 219F

(617) 933 – 7434

jthrash@rcc.mass.edu

and visit The Massachusetts Life Sciences Center web site at:

www.masslifesciences.com.