

2010 STEM (Science, Technology, Engineering & Math)

STUDENT INTERNSHIP OPPORTUNITIES

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

Professor Andrella King: aking@rcc.mass.edu

Professor Kimberly Stieglitz: kstieglitz@rcc.mass.edu

Professor Jennie Thrash: jthrash@rcc.mass.edu

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, 2011**
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: March 15, 2010**
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, 2010 (spring); June 1, 2010 (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, 2010 (spring); June 1, 2010 (fall)

BOSTON UNIVERSITY

I. PROSTARS(Summer)

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
- GPA of 3.0 or above
- 2 letters of recommendation from faculty

Deadline: March 15, 2010(Summer)

Number of students selected: 6 (2 from RCC)

II. PROSTARS(Fall)

RCC students have the additional opportunity to continue their internship in the Fall. For more information including application deadlines for Fall, please contact:

Professor Jennie Thrash, Internship & CVTE Coordinator

Academic Building – 219F

jthrash@rcc.mass.edu; (617) 933 – 7434

III. 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 15, 2010

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

The program this year will run from June 7, 2010 - July 30, 2010.

Application Deadline: March 12, 2010

Number of students selected: 6

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 15, 2010

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: 3/8/10 (summer); 4/1/10 (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 2010! 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>

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
-

Mail or email documents by Friday April 10, 2010 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:

1. The nominee must be **United States Citizen born – Minority**, living in New England, who is currently enrolled at Roxbury Community College majoring in Biological Science, Math, Physical Science or Pre-Engineering.
2. The nominee will have successfully completed a minimum of 12 (twelve) college-level credit hours (G.P.A. 2.0 or better) at Roxbury Community College in their science or science-related program of study.
3. Nominees must be available to interview with the S.A.M.E. Scholarship Committee (an RCC staff member will provide transportation). RCC will notify nominees selected for an interview mid March 2010. The S.A.M.E. Scholarship Committee will notify RCC and the recipient(s) within two weeks following the interview. **Scholarship funds will be issued in August 2010 for the 2010/2011 academic year.**
4. The scholarship recipient(s) must attend the S.A.M.E. Boston Post Annual Spring Dinner Meeting in May 2010 to accept the scholarship personally. Recipient(s) will be provided with one guest ticket and transportation (if needed) from and to RCC.

THE APPLICATION PACKET MUST COMPRISE THE FOLLOWING:

(incomplete application packets will not be processed)

The following items must be submitted in a folder or manila envelope:

- A. RCC Official Transcript (G.P.A. 2.0 or better)
- B. Signed Financial Aid Release form (**see the attached**) permitting Career and Transfer Services to obtain from the Financial Aid Office summaries stating financial need and current financial aid. (Note: this information will be shared with the S.A.M.E. Scholarship Committee for the sole purpose of determining eligibility for this award).
- C. One Page typed-doubled spaced Student Statement as to why you should receive this scholarship. To learn more about S.A.M.E., visit <http://www.same.org>

- D. Resume (include extracurricular and community activities)
- E. Although not a requirement, preference for this Boston Post Scholarship will be given to those candidates expressing interest in public service, such as military, and/or whose family has honorably served in the United States Armed Services.

THE APPLICATION PACKET MUST BE SUBMITTED BY

12NOON Monday February 8, 2010 to:

Professor Jennie Thrash, Internship & CVTE Coordinator

Academic Building – 219F

jthrash@rcc.mass.edu; (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 2010 semester (May/June-August) in the following departments:

- Butterfly Garden
- Computer Place
- 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 2010. 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 2010 Summer Internship program runs from May 22 to August 14.

Deadline: March 22, 2010

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

ithrash@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 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 2010 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.

Student Eligibility Requirements

Students will be required to meet the following eligibility requirements:

- 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.

InVivo Therapeutics Corporation, Cambridge, MA

Paid Summer Internship Opportunities

Successful applicants will report to the Director of R&D and will be responsible for digitizing data collected from ongoing research studies. Other R&D tasks as assigned. Basic computer skills required. All training will be provided on site. No experimental laboratory work involved.

Requirements:

- US Citizenship or Permanent Residency
- Major in a STEM* field
- Completion of ENG 101, Micro Computer Applications, three courses in major
- GPA of 3.0 or above

- 2 letters of recommendation from faculty

Application Deadline date: March 10, 2010

Start date: Mid-March

Email resume with faculty letter of recommendation to:

Jennie Thrash, RCC's Internship & CVTE Coordinator

jthrash@rcc.mass.edu

For more information visit contact Jennie Thrash, RCC's Internship & CVTE Coordinator

at jthrash@rcc.mass.edu

and visit www.invivotherapeutics.com