SUMMER RESEARCH INTERNSHIP PROGRAM

Student Application

The New York City Science and Engineering Fair (NYCSEF) & College Now Summer Research Internship Program is a 6-week summer program for rising juniors or seniors currently enrolled in a NYC public high school. The goal of the program is to give high school students an introduction to scientific research under the guidance of CUNY research faculty. In addition, the program provides students with an opportunity to enhance their skills in scientific reading, writing and communication by attending weekly scientific seminars and workshops. Students who successfully complete this program may be eligible to receive up to 3 college credits in Independent Study/Supervised Undergraduate Research (or equivalent) and a stipend.

This summer’s program dates are July 6th through August 12th, 2010. Students are required to attend weekly workshops every Monday and report to the laboratory from Tuesday through Friday. Students interested in participating must complete this application which includes a high school transcript, two (2) recommendations from a science or math teacher, and application essay. Eligible students will then be invited to meet with the NYCSEF and College Now Program Staff to discuss their research interests and expectations for this program. Once selected, the students will be matched with a mentor best suited for their research interests. Prior to final placement, participating faculty will be provided with information on their prospective intern and will be able to meet with them one on one to discuss their needs and the specifics of their research.

For more information, please contact Jeannie Song at 646-344-7271 or by email at Jeannie.Song@mail.cuny.edu. At this time, we are only accepting applications from students who will be either a junior or senior enrolled in a NYC public high school in fall 2010.

Application materials must be mailed to:

NYCSEF c/o College Now  
City University of New York  
101 West 31st Street, 14th Floor  
New York, NY 10001

All applications must be received no later than 5PM on March 26, 2010. Teacher recommendations can be sent separately. Be sure that the applicant’s name and OSIS number appears on all submitted materials.

NO faxes will be accepted.
STUDENT INFORMATION (all information is required unless otherwise noted)

OSIS Number: ____________________________

First Name:_______________________________    M.I. _____  Last Name: ___________________________

Address: _____________________________________________________________________  Apt#: __________

City: _____________________________  State: _______  Zip: ________       Home Phone: ( _____ ) _________________

E-mail: ______________________________________________________     Cell Phone: ( ______ ) _________________

Date of Birth (mm/dd/yy): ____/____/____          Sex: ___M  ___F      Semester / Year Entered 9th Grade: ______________

Race/Ethnicity: (for statistical purposes only - optional)   ___Black/Non-Hispanic   ___White/Non-Hispanic   ___ Hispanic

___ Asian/Pacific Islander   ___ Native American   ___ Mixed Race / Other

SCHOOL INFORMATION

School Name:_________________________________________________    ETS Code: ___________________________

School Address: ________________________________________________  City: _________________  Zip: _________

Sponsoring Science/Research Teacher: __________________________________  Email: __________________________

SCIENCE and MATHEMATICS COURSE HISTORY

List all the science and mathematics courses you’ve completed to date. Include any information about specific skills, particularly science writing or laboratory techniques; you learned that may be applicable to your application. You may also include any extracurricular activities or programs that may be relevant to this internship program (i.e. a College Now summer program, etc.). Feel free to attach additional pages if necessary.

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<thead>
<tr>
<th>Course or Activity Name</th>
<th>Skills Acquired</th>
<th>Course Level</th>
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<td></td>
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<td>(i.e. Regents, AP, College Credit, etc.)</td>
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INTERNSHIP PLACEMENT PREFERENCE

Rank in order of preference (1st choice, 2nd choice, 3rd choice) the areas of research you would be interested in working in this summer. Please note that every accommodation will be made to match you with your first choice; however, depending on your application, mentor requirements, and internship availability, you may be matched with your second or third choice.

___ Animal Sciences     _____ Cellular Biology    _____ Neurobiology

___ Astronomy     _____ Developmental Biology   _____ Organic Chemistry

___ Biochemistry     _____ Molecular Biology     _____ Physics
ESSAY QUESTION
This essay should be written in 1,000 words or less (typed and double spaced with one inch margins) and attached to your application. Your bibliography should contain 3 references at minimum. Online references such as wikis, search engines (eg. Google, Yahoo, etc) or mass media sources are discouraged as main sources, but may be helpful in beginning the literature review process. Be sure to cite all references and add your opinion where applicable.

National policies or programs, such as, the preservation of the National Parks in the 1900’s, the Manhattan Project in the 1940’s, vaccinations in the 1950’s, the space race in the 1960’s, and the Human Genome Project in the 1990’s, have had a huge impact on our society.

Write a letter to the president under which the policy/program was initiated with recommendations on how you would modify or improve that policy knowing the positive and negative impacts today. You may focus on one of the given examples above or choose your own scientific policy/program related but not limited to basic science research, the environment, engineering, mathematics, space, health, or medicine.

A successful letter will include a brief overview and rationale of the policy or program, an explanation of the various impacts to our society today, including long term effects good or bad.

SIGNATURES

a. Student Acknowledgement: I certify that the enclosed application is complete and that ALL requested information has been submitted to the best of my knowledge. I understand that the NYCSEF & College Now Summer Research Internship Program will take place from July 6th through August 12th, 2010 and that attendance is mandatory for all planned program activities. I understand all of the risks and dangers that may be inherent in conducting research and that every safety precaution will be used while participating in the program. I understand that scientific fraud and misconduct are not condoned at any level of research and that such practices include plagiarism, forgery, use or presentation of other researcher’s work as one’s own and fabrication of data. To be found guilty of any of these practices will result in immediate removal from the program.

Student Name  Signature  Date

b. Parent Acknowledgement: I have read and reviewed all the material submitted for this application and certify that the enclosed application is complete to the best of my knowledge. I understand that the NYCSEF & College Now Summer Research Internship Program will take place from July 6th through August 12th, 2010 and that my child’s attendance is mandatory for all planned program activities. I understand all of the risks and dangers that may be inherent in conducting research and that every safety precaution will be used and observed by my child while participating in the program; and that participation in this program is with parental consent. I understand that scientific fraud and misconduct are not condoned at any level of research and that if found guilty of any of these practices, my child will be immediately removed from the program.

Name and Relationship  Signature  Date
New York City Science and Engineering Fair & College Now
SUMMER RESEARCH INTERNSHIP PROGRAM
Teacher Recommendation - Print clearly. Use Blue or Black ink.

Student Name:_______________________________________________________    OSIS: ___________________________

SPONSORING TEACHER INFORMATION

Name:_________________________________________________

What courses do you teach in school?: _______________________________________________________________________

How do you know this student?:  ____________________________________________________________________________

How long have you known this student? _____(years) ______(months)

Please rate the student based on the following criteria to the best of your ability

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<th>Top 10% of all my students</th>
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This internship program is an intensive six-week summer experience that couples weekly skill-building workshops and seminars with a one-on-one mentorship with CUNY research faculty. Why is this student well suited to participate in this program? Please feel free to use the back of this paper to continue your response.
New York City Science and Engineering Fair & College Now
SUMMER RESEARCH INTERNSHIP PROGRAM
Teacher Recommendation - Print clearly. Use Blue or Black ink.

Student Name: ___________________________________________    OSIS: ___________________________

SPONSORING TEACHER INFORMATION
Name: ___________________________________________________

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