

Brooklyn College

The City University of New York

Special Programs Application for Incoming Freshmen

Center for Achievement in Science Education (CASE) Programs:

**BOSC—Brooklyn Opportunities in
Science and Careers**

**CSTEP—Collegiate Science and Technology
Entry Program**

**NYC-LSAMP—NYC Louis Stokes Alliance for
Minority Participation**

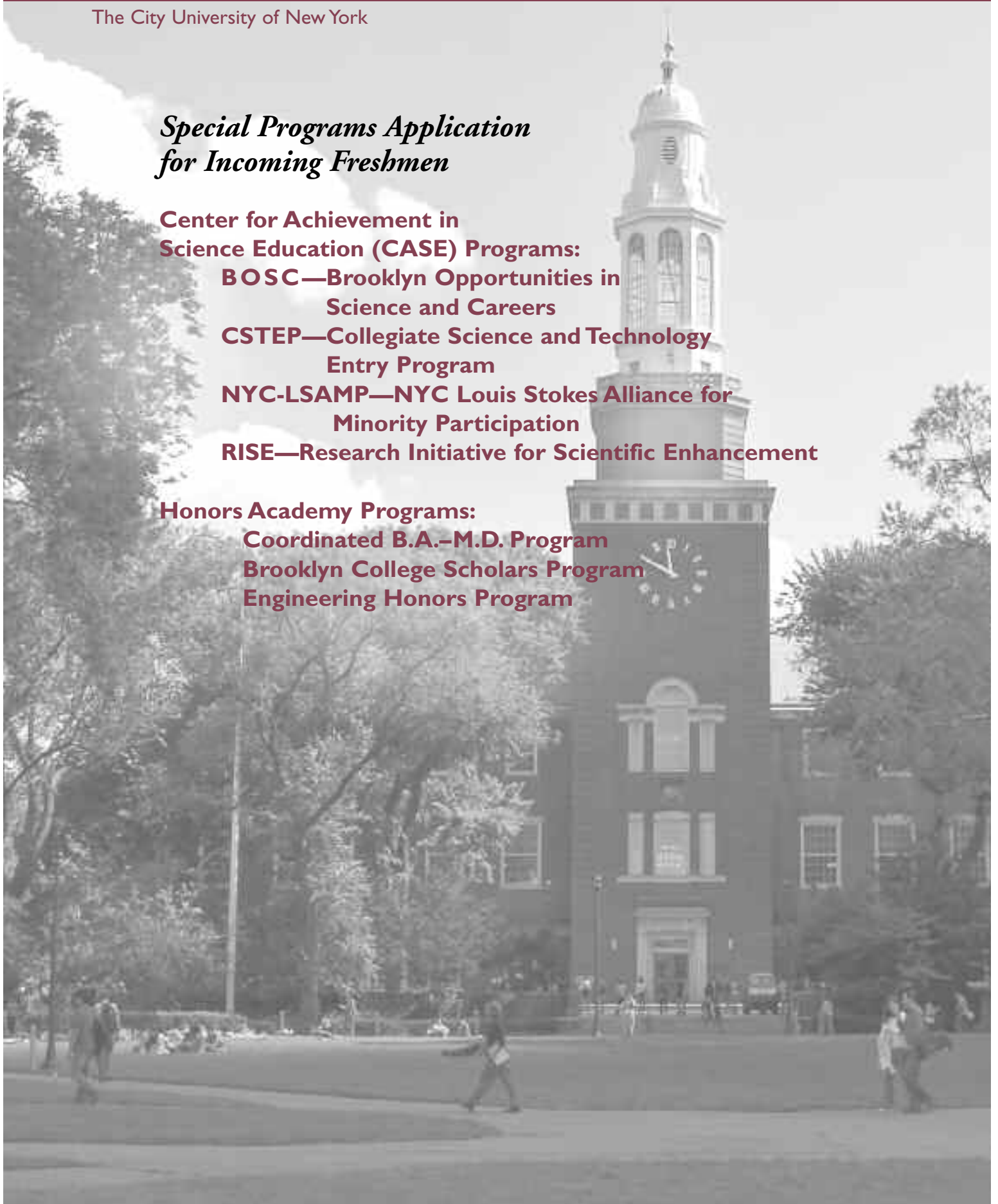
RISE—Research Initiative for Scientific Enhancement

Honors Academy Programs:

Coordinated B.A.–M.D. Program

Brooklyn College Scholars Program

Engineering Honors Program



Instructions

This booklet contains information and a single application form for the Center for Achievement in Science Education programs (BOSC, CSTEP, NYC-LSAMP, RISE) and the Brooklyn College Scholars, Coordinated B.A.–M.D., and Engineering Honors programs.

To apply to one or more of these programs, read the program descriptions to determine if you meet the eligibility requirements and fill out the application that starts on page 3. You may apply to more than one program.

Note: Some programs require letters of recommendation, essays, statements of purpose, and/or in-person interviews. Please see application for details.

Program Descriptions and Eligibility Requirements

Center for Achievement in Science Education (CASE)

CASE is an organization that coordinates various science and science research programs at Brooklyn College. CASE offers many opportunities for traditionally underrepresented students interested in science, medicine, scientific research, and technology. CASE programs offer financial support, faculty mentoring, academic counseling, research opportunities, and internships.

BOSC—

Brooklyn Opportunities in Science and Careers

The BOSC program promotes the successful attainment of professional goals through the study of science, mathematics, and technology. BOSC supports students interested in a wide variety of careers, including law, medicine, business, finance, the arts, teaching, and journalism, through academic workshops, career counseling, and internships. BOSC helps students discover the many options that meet their unique needs and talents.

Benefits

- Summer stipends.
- Pre-freshman summer program that includes college prep, field research, trips, career investigation.
- Small class sizes, academic workshops, personal academic advisement, and career counseling.

Student Eligibility

- High school graduate with strong preparation in mathematics and science.
- Admitted to and intend to attend Brooklyn College in the fall semester.

Applications accepted on a rolling basis. Space is limited.

Contact

For more information about BOSC program benefits, please visit the BOSC Web site at <http://bosc.brooklyn.cuny.edu>, or contact the program coordinator at (718) 951-4264.

CSTEP—

Collegiate Science and Technology Entry Program

CSTEP aims to increase the number of historically underrepresented students who enroll in and complete undergraduate programs that lead to a professional license. CSTEP provides academic- and career-enriching experiences for students interested in accounting, law, medicine, nutrition, and other careers in mathematics, science, technology, and health-related fields.

Benefits

- Academic advisement, monitoring, and guidance.
- Personalized menu for undergraduate success.
- Internships with professionals in fields that require professional licensure.

Student Eligibility

- New York State resident.
- Member of a group underrepresented in programs that require a state license, including but not limited to African American/Black, Hispanic/Latino, Native American or Alaskan Native, or demonstration of economic disadvantage.
- Minimum GPA of 2.70.

CSTEP accepts applications throughout the year.

Contact

For additional information, please call the program coordinator at (718) 951-5000, ext. 1712, or e-mail Brooklyn.Cstep@gmail.com.

NYC-LSAMP—The New York City Louis Stokes Alliance for Minority Participation

The NYC-LSAMP in Science, Technology, Engineering, and Mathematics (STEM) is an alliance of sixteen CUNY colleges and the CUNY Graduate Center. The overall goal of the LSAMP Program is to ensure a long-term capacity to produce significantly greater numbers of members of underrepresented groups in STEM careers through lasting changes achieved at participating institutions.

Benefits

- Financial support for undergraduate and graduate education.
- Work with research scientists in laboratories.
- Academic support through tutorials and workshops.
- Opportunities for summer research and attendance and presentations at local, regional, and national conferences publishing research results.

Please complete the application. Where indicated, attach additional materials and mail to:

**Honors Academy
Brooklyn College
2900 Bedford Avenue
Brooklyn, NY 11210**

Section I

Name _____ Gender M F
Last First Middle

Address _____
Street City State Zip code

Home telephone () _____ Cell () _____ Social Security number _____

E-mail address _____

Date of birth _____ Place of birth _____

If you were born outside the United States, state date of entry _____

Check one: U.S. citizen Permanent resident Other

Ethnicity (optional): Please check the category that best describes you.

- Asian/Pacific Islander Black, non-Hispanic Hispanic/Latino
 Native American/Alaskan Native White, non-Hispanic
 Other (please specify) _____

Section II

Name of high school _____ Grade _____ High school academic average _____

SAT Reasoning Test scores: Reading _____ Mathematics _____ Writing _____ Total _____

SAT subject scores (list them) _____

Have you taken any Advanced Placement courses? Yes No

If you answered "Yes," list your AP courses and grades:

List scholastic honors and distinctions (scholarships and other financial aid that you are now receiving)

List your most significant **extracurricular, community, or vocational activities** (sports, art, music, writing, etc.) below. Include your role and the length of time you participated. Include any honors or awards you received for any of these activities. Attach a separate page if necessary.

List any work experience (number of hours per week) _____

What is your intended major in college? _____

Section III

Which programs do you wish to apply for? Please check ALL that apply. Letters of recommendation from the same people may be used for multiple applications with modifications as required by each program.

BOSC

To complete your application for BOSC you must provide the following:

- A.** Names and contact information of two references. We recommend that at least one of your references be a science or mathematics instructor.

Reference 1: _____

Reference 2: _____

- B.** Type an essay that describes your prior experience, current goals, and your understanding of what the BOSC program offers. Be sure to address the following question: Why do you think participation in BOSC would be beneficial to you? Your typed response should be no more than 500 words. Please submit the essay with your completed application.

CSTEP

To complete your application for CSTEP please write a 350-word essay that answers the following questions:

1. What are your expectations of the CSTEP program?
2. What are your goals upon completion of your degree?
3. What is your intended occupation?
4. What attracted you to the CSTEP program?

NYC-LSAMP □

To complete your application for NYC-LSAMP you must provide:

- A. A brief essay that addresses the following:
 1. What is your STEM interest?
 2. What is your career objective?
- B. A biographical profile.
- C. Name and contact information of faculty adviser.
- D. The title and description of a STEM research project.

RISE □

To complete your application for RISE you must provide the following:

- A. Names, affiliation, and contact information of at least two references. We recommend that at least one of your references be a science instructor:

Reference 1: _____

Reference 2: _____

- B. On a separate sheet, please include a Statement of Purpose, describing:
 - What you intend to study in college.
 - What your long-term career goals are.
 - Any independent research experiences you may have had.
 - What you will gain from participation in RISE.
 - What you will contribute to RISE.

Coordinated B.A.–M.D. Program □

To complete your application for the B.A.–M.D. Program you must provide the following:

- A. Three letters of recommendation from high school teachers familiar with your academic work. At least two of these letters must be from mathematics or science teachers and the third letter from a humanities or social science teacher.
- B. Your personal essay. The essay should be no longer than four typed double-spaced pages. Please make sure that your name is at the top of each page.
 - What characteristics and capabilities do you have that would contribute to making you a doctor who is concerned with caring for patients as well as with curing them?
 - What have you learned from some of the extracurricular activities that you listed above or from other experiences about the role, career, and life of a doctor? How have your experiences influenced your decision to pursue a medical career?
 - Why do you feel that a background in the humanities and social sciences, in addition to the natural sciences, is important in training a physician?
 - In what specific ways do you think the B.A.–M.D. Program can help you to achieve your life goals?

Brooklyn College Scholars Program □

To complete your application for the Brooklyn College Scholars Program you must attach the following:

- A. Two letters of reference from teachers familiar with your academic writing.

Reference 1: _____

Reference 2: _____

- B.** A clearly photocopied complete essay graded by a teacher, including the teacher's marginal notes and suggestions. The essay should be typed and double-spaced, and may be two to six pages in length, but not longer. Identify each page with your name.
- C.** Write an essay about an aspect of your neighborhood and the people in it, including, of course, yourself. For example, you could write about how your neighborhood and its distinctive qualities (e.g. parks, streets, shops) serve or do not serve well enough the lives of its people; about how it adds interest and vitality to Brooklyn or to New York City as a whole; or about changes that have occurred or are occurring in your neighborhood. The topic and your treatment of it should be your own, and the essay should be well organized and coherent. In format it should be typed and double-spaced, and may be two to four pages in length, but no longer. Each page should be identified by your name.

Engineering Honors Program □

To complete your application for the Engineering Honors Program please attach the following:

- A.** Two letters of reference from mathematics or science teachers familiar with your work, but one of them could instead be from a teacher familiar with your personal, social, or academic qualities other than mathematical or scientific ability that might be relevant to your becoming a successful engineer. The letters might also illustrate your interest in engineering as a practical as well as scientific profession.

Reference 1: _____

Reference 2: _____

- B.** Write an essay about what led to your interest in engineering as a career. For example, you could write about an experience you had that excited your interest in engineering; about the qualities that you think contribute to making a perceptive and reliable engineer; or about your own qualities that you believe would contribute to making you an effective member of a working team of engineers.

Checklist

Please use this checklist to make sure that your application is complete. It should contain all the following materials:

- This form filled out completely.
- An official high school transcript, sent by your school to the address shown at the top of the application form.
- Photocopies or printouts of SAT Reasoning Test score reports. (Also have official copies sent to UAPC, code 2950, as part of your CUNY application.)
- Photocopies or printouts of SAT Subject Test score reports, only if you chose to report the scores on page 3.
- Photocopies of Advanced Placement examination score reports, only if you chose to report AP scores on page 3.
- Three letters of recommendation (for B.A.–M.D. only).
- Two letters of recommendation (other programs except NYC-LSAMP).
- Photocopy of a graded essay from a high school course (for Scholars Program only).
- Your personal essay.

Certification

I hereby certify that, to the best of my knowledge, the information on this application is correct and complete.

Applicant's signature _____ Date _____

Student Eligibility

- Admitted to full-time study at Brooklyn College.
- U.S. citizen or permanent resident.
- Member of a group underrepresented in STEM research, including but not limited to African Americans, Alaskan Natives, Native Americans, Hispanics, and/or Native Pacific Islanders.
- Major in a science, technology, engineering, or mathematics discipline.
- Overall GPA of 85 or higher.

Deadline for summer and fall application is April 30.

Deadline for spring application is November 30.

Contact

For more information on NYC-LSAMP program requirements and benefits, please contact the activity coordinator at (718) 951-4346 or e-mail wgreigg@brooklyn.cuny.edu, or visit the NYC-LSAMP Web site, <http://nyc-amp.cuny.edu>.

RISE—

Research Initiative for Scientific Enhancement

The goal of the Research Initiative for Scientific Enhancement (RISE) program is to encourage underrepresented minority students to pursue careers in scientific research in such areas as biology, chemistry, and behavioral sciences by increasing the number who apply to and complete doctoral programs. The program focuses on academics in the freshman and sophomore years, and has a research focus in the junior and senior years.

Benefits

- Stipend for taking part in RISE program activities that ranges from \$900 in the pre-college summer activities to \$4,500 in the senior year.
- Opportunities to attend national research conferences.
- Graduate school counseling and assistance.

Student Eligibility

- U.S. citizen or permanent resident.
- High school graduate admitted to and registering to attend Brooklyn College in the fall semester; with the intent to major in biology, chemistry, psychology, or health and nutrition sciences and with career interests in scientific research.
- Member of a group underrepresented in biomedical science research, including but not limited to African Americans, Native Americans, and Hispanics.
- Overall high school and science GPA of at least 80.

Contact

For additional information, please contact the program coordinator at (718) 951-4155 or <http://rise.brooklyn.cuny.edu>.

Brooklyn College Honors Academy

The Honors Academy is made up of eight unique and challenging academic programs led by faculty mentors who guide students through their academic pursuits. Honors students receive individual academic and graduate advising, career counseling, priority registration, assistance with scholarship opportunities, and access to all academy facilities, including a commons, study room, and networked computer stations. The following programs accept freshman applications:

Coordinated B.A.–M.D. Program

The Brooklyn College B.A.–M.D. Program offers a special opportunity for entering freshmen to pursue a medical career. Students who successfully complete an honors premedical curriculum at Brooklyn College are guaranteed a seat at Downstate College of Medicine of the State University of New York for their medical studies. The B.A.–M.D. Program is an integrated course of study that provides future doctors with the necessary foundation in the sciences while also giving them a broad background in the humanities and social sciences.

Benefits

- Guaranteed admission to Downstate College of Medicine SUNY upon successful completion of the Brooklyn College program with a GPA of 3.50 and an MCAT score of 9/9/9.
- Presidential Scholarship that currently covers in-state tuition for eight semesters of undergraduate study.
- Individual counseling in planning an academic program.
- Access to the Honors Academy Commons where students can gather, work, and study on Commons computers.
- Early registration.

Student Eligibility

- U.S. citizen or permanent resident.
- High school graduate with a minimum overall GPA of 90 with strong mathematics and science preparation.
- SAT scores of 1200 or more are recommended but not required.
- History of community service.
- Commitment to the practice of medicine.

Following a rigorous selection process that includes a written application and interviews, fifteen students are admitted to the B.A.–M.D. Program per year. Admission to this program is only available to entering freshmen.

Deadline for fall application is December 31.

Contact:

Program Director: Raymond Weston
2231 Boylan Hall, (718) 951-4706
E-mail: rweston@brooklyn.cuny.edu; please put "B.A.–M.D." in the subject line.

Brooklyn College Scholars Program

The Scholars Program, established in 1960, is the oldest honors program in the City University of New York and has been a model for similar programs throughout the nation. The Scholars Program is an interdisciplinary liberal arts program that offers honors-level Core Curriculum courses, interdisciplinary seminars, and guided research on a senior thesis. Brooklyn College Scholars promotes a strong student community much like a small residential college.

Benefits

- Presidential Scholarship that currently covers in-state tuition for eight semesters of undergraduate study.
- Individual advisement on academic program and internships; career counseling.
- Study abroad scholarship opportunities.
- Access to Honors Academy Commons where students gather, work, and study on Commons computers.
- Early registration.

Student Eligibility

Interested students should have at least a 1280 SAT score (SAT 1) and a GPA of at least 90.

Deadline for applications is December 31.

Contact

Scholars Program Web site:
<http://depthome.brooklyn.cuny.edu/honors/>
Helen Sharp, program assistant: (718) 951-4114
E-mail: honors@brooklyn.cuny.edu

Engineering Honors Program

Brooklyn College offers a four-year coordinated engineering program in which students complete a rigorous engineering curriculum at Brooklyn College and are guaranteed transfer, in their junior year, to Polytechnic University, City College School of Engineering, or the College of Staten Island Engineering Science Program. Students may specialize in aerospace, chemical, civil and environmental, computer, medical, electrical, or mechanical engineering.

Benefits

- Presidential Scholarship that currently covers in-state tuition for eight semesters of undergraduate study.
- Guaranteed transfer to one of the three coordinating schools—Polytechnic University, City College of New York School of Engineering, or the College of Staten Island Engineering Science Program—to complete the bachelor's degree in engineering.

Student Eligibility

Interested students should have at least a 620 Math SAT score (SAT 1) and at least an 89 GPA.

Contact

Program Director: Viraht Sahni, (718) 951-5000, ext. 2866
E-mail: vsahni@brooklyn.cuny.edu

BROOKLYN



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