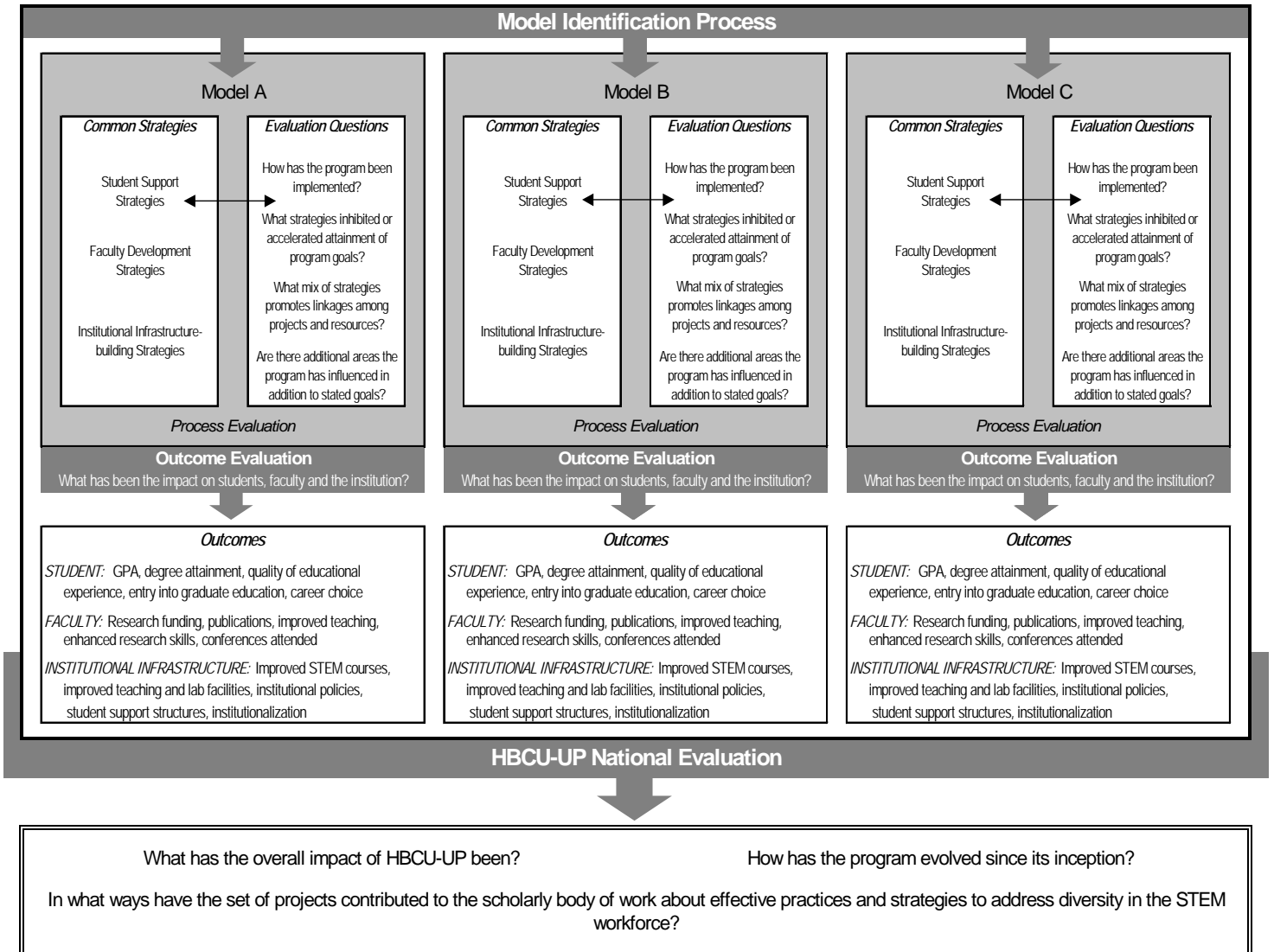


**REQUEST FOR CLEARANCE OF DATA
COLLECTION FOR THE**

**Evaluation of Historically Black Colleges and
Universities – Undergraduate Program**

Appendix

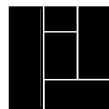
Figure 1. Conceptual Model for HBCU-UP National Evaluation



The Historically Black Colleges and Universities Undergraduate Program (HBCU-UP): Survey of Graduates



Conducted by:



The Urban Institute
2100 M Street, NW
Washington, DC 20037

On behalf of the:



National Science Foundation
4201 Wilson Boulevard
Arlington, VA 22230

Information from this survey will be retained by the **National Science Foundation**, a federal agency, and will be an integral part of its Privacy Act System of Records in accordance with the Privacy Act of 1974 and maintained in the Education and Training System of Records 63 Fed. Reg. 264, 272 (January 5, 1998). These are confidential files accessible only to appropriate National Science Foundation (NSF) officials, their staffs, and their contractors responsible for monitoring, assessing, and evaluating NSF programs. Only data in highly aggregated form, or data explicitly requested as "for general use," will be made available to anyone outside of the National Science Foundation for research purposes. Data submitted will be used in accordance with criteria established by NSF for monitoring research and education grants, and in response to Public Law 99-383 and 42 USC 1885c.

Submission of the requested information is voluntary. The public reporting burden for this collection of information is estimated to average fifteen minutes, including the time for reviewing instructions. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Suzanne Plimpton, Reports Clearance Officer for OMB Collection 3145-0204 (HBCU-UP), National Science Foundation, 4201 Wilson Blvd., Suite 295, Arlington, VA 22230.



Part A: Education

The following questions concern your undergraduate studies and any graduate or continuing education you have undertaken since receiving your undergraduate degree.

A1. Do you hold a Bachelor's degree in a science or engineering field (including math and computer science) from an HBCU?

- Yes No → If NO, please STOP HERE and return survey in enclosed envelope.

A2. Please mark the year that you completed your Bachelor's degree in a science or engineering field:

Mark only one box.

- 2000 or earlier
(specify: _____) → If you graduated in 2000 or earlier, please STOP HERE and return survey in enclosed envelope.

- 2001
 2002
 2003
 2004
 2005 or later →

If you graduated in 2005 or later, please STOP HERE and return survey in enclosed envelope.

A3. Did you spend at least two years or complete at least 60 credits in the HBCU in which you received your Bachelor's degree in science or engineering?

- Yes No → If NO, please STOP HERE and return survey in enclosed envelope.

A4. What was your overall undergraduate grade point average (GPA)? *If you have more than one Bachelor's degree, give your overall GPA for your science or engineering degree from an HBCU.*

GPA: _____ 4-point scale 5-point scale
(example: 2.75)

A5. Please indicate the year that you completed your high school degree or obtained a high school diploma:

Date:

y	y	y	y
---	---	---	---

(Enter date in yyyy format)

A6. Since obtaining your Bachelor's degree in science or engineering, have you taken courses in a college or university?

- Yes No → If NO, please skip to question A14, page 4.

A7. During that time, toward what degree or certificate, if any, were you (or are you) working? *If working on more than one degree, mark the highest level.*

Mark only one box.

- No specific degree or certificate
 Bachelor's degree
 Post-Baccalaureate certificate
 Master's degree (including MBA)
 Post-Master's certificate
 Doctorate (Ph.D., D.S.C., D.Sc., Ed.D.)
 Other professional degree (JD, L.L.B., Th.D., M.D., DDS, etc.) (specify):

 Other (specify):

A8. Think about the coursework you took after you received your Bachelor's degree in science or engineering. What was your primary field of study for that coursework or degree program?
*(Use the **List I: Education Codes on page 10** to choose the code that best describes your primary field of study during that time.)*

Code:

#	#	#
---	---	---

 (Enter three digit education code)
Use List I: Education Codes on pg. 10

A9. Was any of the coursework in question A8 to fulfill a requirement for entry into a science or engineering graduate program?

- Yes No → If NO, please skip to question A10, page 4.

If yes, provide the subject of the course(s) and the credit hours: (i.e., chemistry, physics, mathematics, etc.)

Example: Mathematics ...

#	#	6
---	---	---

Subject of Course(s)	Credit hours			
a. _____	<table border="1"><tr><td>#</td><td>#</td><td>#</td></tr></table>	#	#	#
#	#	#		
b. _____	<table border="1"><tr><td>#</td><td>#</td><td>#</td></tr></table>	#	#	#
#	#	#		
c. _____	<table border="1"><tr><td>#</td><td>#</td><td>#</td></tr></table>	#	#	#
#	#	#		
d. _____	<table border="1"><tr><td>#</td><td>#</td><td>#</td></tr></table>	#	#	#
#	#	#		

A10. For each item below, please indicate if it was a reason you took classes or enrolled in a degree program after having received your Bachelor's degree in science or engineering.

	Yes	No
a. To gain further education before beginning a career	<input type="checkbox"/>	<input type="checkbox"/>
b. To prepare for graduate school	<input type="checkbox"/>	<input type="checkbox"/>
c. To change your academic or occupational field	<input type="checkbox"/>	<input type="checkbox"/>
d. To gain further skills or knowledge in your academic or occupational field	<input type="checkbox"/>	<input type="checkbox"/>
e. For licensure or certification	<input type="checkbox"/>	<input type="checkbox"/>
f. To increase opportunities for promotion, advancement, or higher salary	<input type="checkbox"/>	<input type="checkbox"/>
g. Required or expected by employer	<input type="checkbox"/>	<input type="checkbox"/>
h. For leisure or personal interest	<input type="checkbox"/>	<input type="checkbox"/>
i. Other reason: (specify)	<input type="checkbox"/>	<input type="checkbox"/>

Mark yes or no for each.

A11. After completing your Bachelor's degree in science or engineering, what is the highest level of degree or certificate that you completed?

<input type="checkbox"/> None, no further degree obtained	If NONE, please skip to Part B, page 5.
<input type="checkbox"/> Another Bachelor's degree	
<input type="checkbox"/> Post-Baccalaureate certificate	
<input type="checkbox"/> Master's degree (including MBA)	
<input type="checkbox"/> Post-Master's certificate	
<input type="checkbox"/> Doctorate (Ph.D., D.S.C., D.Sc., Ed.D.)	
<input type="checkbox"/> Other professional degree (JD, L.L.B., Th.D., M.D., DDS, etc.) (specify):	_____
<input type="checkbox"/> Other (specify):	_____

Mark only one box.

A12. In what month and year was your highest post-baccalaureate degree or certificate completed (degree in question A11)?
If you completed more than one degree, enter the date for the highest degree or certificate awarded.

Date:

m	m
---	---

 /

y	y	y	y
---	---	---	---

(Enter date in mm/yyyy format)

A12b. From which college or university did you receive this degree or certification (after receiving your Bachelor's degree in science or engineering)?

School Name: _____
(Please **do not** abbreviate the school name.)

City/Town: _____

State/Foreign Country: _____

A13. Did you receive any scholarship or fellowship funding for the degree that you completed or for the coursework you took **since** receiving your Bachelor's degree in science or engineering?

Yes → If YES or NO, please skip to Part B, page 5.

No →

A14. IF YOU HAVE NOT TAKEN ADDITIONAL COURSES since obtaining your bachelor's degree: For each item below, please indicate if it is a reason you have not taken classes or enrolled in a degree program since receiving your Bachelor's degree in science or engineering.

	Yes	No
a. You had achieved your educational goals (at least temporarily)	<input type="checkbox"/>	<input type="checkbox"/>
b. You were waiting for the next school term to start .	<input type="checkbox"/>	<input type="checkbox"/>
c. You felt burdened by undergraduate school loans .	<input type="checkbox"/>	<input type="checkbox"/>
d. Other financial reasons (e.g., too expensive, needed the money for other priorities)	<input type="checkbox"/>	<input type="checkbox"/>
e. Had a job, needed to work	<input type="checkbox"/>	<input type="checkbox"/>
f. Had to stop due to family responsibilities (e.g., caring for children or other family members, had a baby)	<input type="checkbox"/>	<input type="checkbox"/>
g. Moved, could no longer take courses at the school you were attending	<input type="checkbox"/>	<input type="checkbox"/>
h. No longer certain of which field of study you wanted to pursue	<input type="checkbox"/>	<input type="checkbox"/>
i. Needed a break, tired of going to school	<input type="checkbox"/>	<input type="checkbox"/>
j. Other reason:	<input type="checkbox"/>	<input type="checkbox"/>

(specify) _____

Mark yes or no for each.

A15. IF YOU HAVE NOT TAKEN ADDITIONAL COURSES since obtaining your bachelor's degree: How likely is it that you will one day take additional college or university courses?

<input type="checkbox"/> Very likely	<input type="checkbox"/> Somewhat likely	<input type="checkbox"/> Somewhat unlikely	<input type="checkbox"/> Very unlikely
--------------------------------------	--	--	--

Mark only one box.



Part B: Employment

The following questions concern your current or most recent **FULL-TIME** employment experience.

B1. Have you been employed at any time since the time you completed your highest degree?

Yes

No →

If NO, please skip to Part C, page 7.

B2. Were you employed:

Part-time →

If PART-TIME, please skip to Part C, page 7.

Full-time

Part-time and Full-time

B3. Are you currently employed full time? (If yes, all subsequent questions in this Employment section refer to this job.)

Yes →

If YES, please skip to question B5.

No

B4. If you are not currently employed full-time, what was the most recent date that you were employed full time? (All subsequent questions in the Employment section refer to this job.)

Date:

/

(Enter date in mm/yyyy format)

B5. Which of the following categories best describes your employer in this (full-time) job?

A Private For-Profit company, business or individual, paying your wages, salary or commissions

A Private Not-For-Profit, tax-exempt or charitable organization

Self -Employment in own Not Incorporated business, professional practice, or farm

Self -Employment in own Incorporated business, professional practice, or farm

Local Government (e.g., city, county)

State Government

U.S. Military Service, active duty, or Commissioned Corps (e.g., USPHS, NOAA)

U.S. Government as a civilian employee

Other: (specify)

Mark only one box.

B6. Thinking about your (full time) employer's main business (i.e., what your employer makes or does), please indicate below the single category that best fits your employer's main business. If your employer has more than one type of business, please answer for the type of work primarily performed at the location where you work.

Agriculture, forestry, or fishing

Biotechnology

Construction or mining

Education

Finance, insurance, or real estate services

Health services

Information technology or computer services

Other services (e.g., social, legal, business)

Manufacturing

Public administration/government

Research: (specify)

Transportation services, utilities or communications

Wholesale or retail trade

Other: (specify)

Mark only one box.

B7. Was/is your (full time) employer an educational institution?

Yes

No →

If NO, please skip to question B11, page 6.

B8. Was/is this educational institution a:

Preschool, elementary, or middle school or system

Secondary school or system

Two-year college, community college, technical institute

Four-year college or university, other than a medical school

Medical school (including university-affiliated hospital or medical center)

University-affiliated research institute

Other: (specify)

Mark only one box.

B9. What was/is your faculty rank?

- Not applicable at the institution
- Not applicable for my position
- Professor
- Associate professor
- Assistant professor
- Instructor
- Lecturer
- Adjunct Faculty
- Other:
(specify) _____

Mark only one box.

B10. What was/is your tenure status?

- Not applicable: no tenure system at this institution
- Not applicable: no tenure system for my position
- Tenured
- On tenure track but not tenured
- Not on tenure track

Mark only one box.

B11. Using the List II: Job Codes on page 11, choose the code that best describes the work you were/are doing on this job.

Code:

#	#	#
---	---	---

(Enter three digit job code)
Use List II: Job Codes on pg. 11

B12. Thinking about the relationship between your work and your education, to what extent was/is your work on your job related to your highest degree in science or engineering?

- Closely related
- Somewhat related
- Not related

B13. If not related, did the following factors influence your decision to work in an area outside of the field of your highest science or engineering degree?

	Yes	No
a. Pay, promotion opportunities	<input type="checkbox"/>	<input type="checkbox"/>
b. Working conditions (e.g., hours equipment, working environment) ..	<input type="checkbox"/>	<input type="checkbox"/>
c. Job location	<input type="checkbox"/>	<input type="checkbox"/>
d. Change in career or professional interests	<input type="checkbox"/>	<input type="checkbox"/>
e. Family-related reasons (e.g., children, spouse's job moved)	<input type="checkbox"/>	<input type="checkbox"/>
f. Job in highest degree field not available	<input type="checkbox"/>	<input type="checkbox"/>
g. Other reason:	<input type="checkbox"/>	<input type="checkbox"/>
<i>(specify)</i> _____		

Mark yes or no for each.

Continue →



Part C: Program Experience

The following questions pertain specifically to your experience at the HBCU where you obtained your bachelor's degree in a science or engineering field.

C1. In which STEM-related activities did you participate at your HBCU?

What are STEM-related activities?

STEM = science, technology, engineering and mathematics.

STEM-related activities = programs and activities designed to increase student participation, retention and graduation in a STEM major.

In **Column A**, mark **all activities that you participated in**.

In **Column B**, mark the **three** activities that were **most helpful** to you.

	Column A	Column B
	Mark ALL activities you participated in	Mark ONLY the 3 activities most helpful to you
a. Summer Bridge (a program offered in the summer before entry into the freshman year)	<input type="checkbox"/>	<input type="checkbox"/>
b. Research with faculty	<input type="checkbox"/>	<input type="checkbox"/>
c. Research internship	<input type="checkbox"/>	<input type="checkbox"/>
d. Mentorship program	<input type="checkbox"/>	<input type="checkbox"/>
e. Received tutoring	<input type="checkbox"/>	<input type="checkbox"/>
f. Peer study group	<input type="checkbox"/>	<input type="checkbox"/>
g. Skills building workshops and seminars	<input type="checkbox"/>	<input type="checkbox"/>
h. Career awareness activities	<input type="checkbox"/>	<input type="checkbox"/>
i. GRE training/preparation	<input type="checkbox"/>	<input type="checkbox"/>
j. Graduate school admission support	<input type="checkbox"/>	<input type="checkbox"/>
k. Other STEM-related activity: (specify) _____	<input type="checkbox"/>	<input type="checkbox"/>
l. DID NOT participate in any of the STEM-related activities offered at my HBCU.	<input type="checkbox"/>	<input type="checkbox"/> n/a

C2a. On a scale of 1 to 5, how helpful were the following components of your undergraduate STEM program in helping you complete college?

	Extremely Helpful ←————→ Not Helpful					Not Offered	Did Not Participate
	5	4	3	2	1		
a. Curriculum in STEM classes	5	4	3	2	1	<input type="checkbox"/>	<input type="checkbox"/>
b. Instruction in STEM classes	5	4	3	2	1	<input type="checkbox"/>	<input type="checkbox"/>
c. Research opportunities in STEM	5	4	3	2	1	<input type="checkbox"/>	<input type="checkbox"/>
d. Academic support programs in STEM (tutoring, peer study groups, skills building, workshops, etc.)	5	4	3	2	1	<input type="checkbox"/>	<input type="checkbox"/>
e. Faculty mentoring	5	4	3	2	1	<input type="checkbox"/>	<input type="checkbox"/>
f. Career awareness activities in STEM fields	5	4	3	2	1	<input type="checkbox"/>	<input type="checkbox"/>
g. Graduate school application support	5	4	3	2	1	<input type="checkbox"/>	<input type="checkbox"/>

Mark only one box for each.

C2b. On a scale of 1 to 5, how helpful were the following components of your undergraduate STEM program in helping you earn a bachelor's degree in science or engineering?

	←					→					Not Offered	Did Not Participate
	Extremely Helpful											
a. Curriculum in STEM classes	5	4	3	2	1	<input type="checkbox"/>	<input type="checkbox"/>					
b. Instruction in STEM classes	5	4	3	2	1	<input type="checkbox"/>	<input type="checkbox"/>					
c. Research opportunities in STEM	5	4	3	2	1	<input type="checkbox"/>	<input type="checkbox"/>					
d. Academic support programs in STEM (tutoring, peer study groups, skills building, workshops, etc.)	5	4	3	2	1	<input type="checkbox"/>	<input type="checkbox"/>					
e. Faculty mentoring	5	4	3	2	1	<input type="checkbox"/>	<input type="checkbox"/>					
f. Career awareness activities in STEM fields	5	4	3	2	1	<input type="checkbox"/>	<input type="checkbox"/>					
g. Graduate school application support	5	4	3	2	1	<input type="checkbox"/>	<input type="checkbox"/>					

C2c. On a scale of 1 to 5, how helpful were the following components of your undergraduate STEM program in helping you attend graduate school?

Mark here if you did not attend graduate school

	←					→					Not Offered	Did Not Participate
	Extremely Helpful									Not Helpful		
a. Curriculum in STEM classes	5	4	3	2	1	<input type="checkbox"/>	<input type="checkbox"/>					
b. Instruction in STEM classes	5	4	3	2	1	<input type="checkbox"/>	<input type="checkbox"/>					
c. Research opportunities in STEM	5	4	3	2	1	<input type="checkbox"/>	<input type="checkbox"/>					
d. Academic support programs in STEM (tutoring, peer study groups, skills building, workshops, etc.)	5	4	3	2	1	<input type="checkbox"/>	<input type="checkbox"/>					
e. Faculty mentoring	5	4	3	2	1	<input type="checkbox"/>	<input type="checkbox"/>					
f. Career awareness activities in STEM fields	5	4	3	2	1	<input type="checkbox"/>	<input type="checkbox"/>					
g. Graduate school application support	5	4	3	2	1	<input type="checkbox"/>	<input type="checkbox"/>					

C2d. On a scale of 1 to 5, how helpful were the following components of your undergraduate STEM program in helping you attain a post-college job?

Mark here if you did not attain a post-college job

	←					→					Not Offered	Did Not Participate
	Extremely Helpful									Not Helpful		
a. Curriculum in STEM classes	5	4	3	2	1	<input type="checkbox"/>	<input type="checkbox"/>					
b. Instruction in STEM classes	5	4	3	2	1	<input type="checkbox"/>	<input type="checkbox"/>					
c. Research opportunities in STEM	5	4	3	2	1	<input type="checkbox"/>	<input type="checkbox"/>					
d. Academic support programs in STEM (tutoring, peer study groups, skills building, workshops, etc.)	5	4	3	2	1	<input type="checkbox"/>	<input type="checkbox"/>					
e. Faculty mentoring	5	4	3	2	1	<input type="checkbox"/>	<input type="checkbox"/>					
f. Career awareness activities in STEM fields	5	4	3	2	1	<input type="checkbox"/>	<input type="checkbox"/>					
g. Graduate school application support	5	4	3	2	1	<input type="checkbox"/>	<input type="checkbox"/>					

C3. If you could make changes or additions to strengthen the science or engineering undergraduate degree program you attended at your HBCU, what would these be?

C4. Have you stayed in contact with:

- a. one or more fellow students from your HBCU? Yes No
- b. one or more faculty from your HBCU? Yes No

Continue →



Part D: Background and Contact Information

D1. Are you:

- Male
- Female

D2. Which of the following best describes your racial/ethnic background:

Mark only one box.

- Black / African American
- Hispanic
- American Indian
- Asian
- White
- Other (specify):

D3. What is the highest educational attainment of your mother and father?

Mark one for each parent.

	Mother	Father
a. Less than high school/secondary school	... <input type="checkbox"/>	... <input type="checkbox"/>
b. High school/secondary school graduate	... <input type="checkbox"/>	... <input type="checkbox"/>
c. Some college <input type="checkbox"/> <input type="checkbox"/>
d. Bachelor's degree <input type="checkbox"/> <input type="checkbox"/>
e. Master's degree <input type="checkbox"/> <input type="checkbox"/>
f. Professional degree <input type="checkbox"/> <input type="checkbox"/>
g. Doctoral degree <input type="checkbox"/> <input type="checkbox"/>

Current Contact Information (please provide in case we may need to contact you)

Name: _____
Last Name First Name M.I.

Address: _____
Street Address Apt. #

_____ City State Zip

Phone: () _____ - _____ **Best time to call:** _____ AM / PM

Cell Phone: () _____ - _____ **Best day to call:** M Tu W Th F Sa Su

Email: _____

Permanent Contact Information (please provide in case we may need to follow-up in the future)

Mark here if permanent information is the same as above

Permanent Address: _____
Street Address Apt. #

_____ City State Zip

Permanent Phone: () _____ - _____

Name of another person at this address: _____

Relationship of that person to you: _____

List I: Education Codes

This list is ordered alphabetically. The titles in bold type are broad fields of study. To make sure you have found the BEST code, please review ALL broad categories before making your choice. If you cannot find the code that BEST describes your field of study, use the "OTHER" code under the most appropriate broad field in bold print. If none of the codes fit your field of study, use Code 995.

Agriculture Business and Production

- 601 Agriculture, economics (also see 655 & 923)
- 602 OTHER agricultural business & production

Agricultural Sciences

- 605 Animal sciences
- 606 Food sciences & technology (also see 638)
- 607 Plant sciences (also see 633)
- 608 OTHER agricultural sciences

- 610 **Architecture/Environmental Design**
(for architectural engineering, see 723)

Area/Ethnic Studies

Biological/Life Sciences

- 631 Biochemistry and biophysics
- 632 Biology, general
- 633 Botany (also see 607)
- 634 Cell and molecular biology
- 635 Ecology
- 636 Genetics, animal & plant
- 637 Microbiology
- 638 Nutritional sciences (also see 606)
- 639 Pharmacology, human & animal
(also see 788)
- 640 Physiology, human & animal
- 641 Zoology, general
- 642 OTHER biological sciences

Business Management/Administrative Services

- 651 Accounting
- 652 Actuarial science
- 653 Business administration & management
- 654 Business, general
- 655 Business/managerial economics (also see 601 & 923)
- 656 Business marketing/marketing mgmt.
- 657 Financial management
- 658 Marketing research
- 659 OTHER business management/admin. Services

Communications

- 661 Communications, general
- 662 Journalism
- 663 OTHER communications

Computer and Information Sciences

- 671 Computer/information sciences, general
- 672 Computer programming
- 673 Computer science (also see 727)
- 674 Computer systems analysis
- 675 Data processing technology
- 676 Information services & systems
- 677 OTHER computer & information sciences

Conservation/Renewable Natural Resources

- 680 Environmental science studies
- 681 Forestry sciences
- 682 OTHER conservation/renewable natural resources

- 690 **Criminal Justice/Protective Services**
(Also see 922)

Education

- 701 Administration
- 702 Computer teacher education
- 703 Counselor education/guidance services
- 704 Educational psychology

- *** Education (continued)

- 705 Elementary teacher education
- 706 Mathematics teacher education
- 707 Physical education/coaching
- 708 Pre-elementary teacher education
- 709 Science teacher education
- 710 Secondary teacher education
- 711 Special education
- 712 Social science teacher education
- 713 OTHER education

Engineering

- 721 Aerospace, aeronautical, astronautical engineering
- 722 Agricultural engineering
- 723 Architectural engineering
- 724 Bioengineering & biomedical engineering
- 725 Chemical engineering
- 726 Civil engineering
- 727 Computer/systems engineering
(also see 673)
- 728 Electrical, electronics, communications engineering (also see 751)
- 729 Engineering sciences, mechanics, physics
- 730 Environmental engineering
- 731 General engineering
- 732 Geophysical engineering
- 733 Industrial engineering (also see 752)
- 734 Materials engineering, including ceramics and textiles
- 735 Mechanical engineering (also see 753)
- 736 Metallurgical engineering
- 737 Mining & minerals engineering
- 738 Naval architecture & marine engineering
- 739 Nuclear engineering
- 740 Petroleum engineering
- 741 OTHER engineering

Engineering-Related Technologies

- 751 Electrical & electronic technologies
- 752 Industrial production technologies
- 753 Mechanical engineering-related technologies
- 754 OTHER engineering-related technologies

Languages, Linguistics, Literature/Letters

- 760 English Language & Literature/Letters
- 771 Linguistics
- 772 OTHER foreign languages & literature

Health Professions and Related Sciences

- 781 Audiology & speech pathology
- 782 Health services administration
- 783 Health/medical assistants
- 784 Health/medical technologies
- 785 Medical preparatory programs (e.g., pre-dentistry, pre-medical, pre-veterinary)
- 786 Medicine (e.g., dentistry, optometry, osteopathic, podiatry, veterinary)
- 787 Nursing (4 years or longer program)
- 788 Pharmacy (also see 639)
- 789 Physical therapy & other rehabilitation/therapeutic services
- 790 Public health (including environmental health & epidemiology)
- 791 OTHER health/medical sciences

Home Economics

810 Law/Prelaw/Legal Studies

820 Liberal Arts/General Studies

830 Library Science

Mathematics

- 841 Applied (also see 843, 652)
- 842 Mathematics, general
- 843 Operations research
- 844 Statistics
- 845 OTHER mathematics

850 Parks, Recreation, Leisure, & Fitness Studies

Philosophy, Religion, and Theology

- 861 Philosophy of science
- 862 OTHER philosophy, religion, theology

Physical Sciences

- 871 Astronomy & astrophysics
- 872 Atmospheric sciences & meteorology
- 873 Biochemistry & biophysics
- 873 Chemistry
- 874 Earth sciences
- 680 Environmental science studies
- 875 Geology
- 876 Geological sciences, other
- 877 Oceanography
- 878 Physics
- 879 OTHER physical sciences

Psychology

- 891 Clinical
- 892 Counseling
- 704 Educational
- 893 Experimental
- 894 General
- 895 Industrial/Organizational
- 896 Social
- 897 OTHER psychology

Public Affairs

- 901 Public administration
- 902 Public policy studies
- 903 OTHER public affairs
- 910 **Social Work**

Social Sciences and History

- 921 Anthropology and archeology
- 922 Criminology (also see 690)
- 923 Economics (also see 601 and 655)
- 924 Geography
- 925 History of science
- 926 History, other
- 927 International relations
- 928 Political science and government
- 929 Sociology
- 910 Social work
- 930 OTHER social sciences

Visual and Performing Arts

- 941 Dramatic arts
- 942 Fine arts, all fields
- 943 Music, all fields
- 944 OTHER visual and performing arts
- 995 **Other Fields (Not Listed)**

List II: Job Codes

This list is ordered alphabetically. The titles in bold type are broad job categories. To make sure you have found the BEST code, please review ALL broad categories before making your choice. If you cannot find the code that BEST describes your job, use the "OTHER" code under the most appropriate broad category in bold print. If none of the codes fit your job, use Code 500.

010 **Artists, Broadcasters, Editors, Entertainers, Public Relations Specialists, Writers**

Biological/Life Scientists

- 021 Agricultural & food scientists
- 022 Biochemists & biophysicists
- 023 Biological scientists (e.g., botanists, ecologists, zoologists)
- 024 Forestry and conservation scientists
- 025 Medical scientists (excluding practitioners)
- 026 Technologists & technicians in the biological/life sciences
- 027 OTHER biological/life scientists

Clerical/Administrative Support

- 031 Accounting clerks, bookkeepers
- 032 Secretaries, receptionists, typists
- 033 OTHER administrative (e.g., record clerks, telephone operators)

040 Clergy & Other Religious Workers

Computer Occupations (Also see 173)

- *** Computer engineers (See 087, 088 under Engineering)
- 051 Computer programmers (business, scientific, process control)
- 052 Computer system analysts
- 053 Computer scientists, except system analysts
- 054 Information systems scientists or analysts
- 055 OTHER computer, information science occupations

*** **Consultants** (Select the code that comes closest to your usual area of consulting)

070 Counselors, Educational & Vocational (Also see 236)

Engineers, Architects, Surveyors

- 081 Architects
- *** Engineers (Also see 100-103)
- 082 Aeronautical, aerospace, astronautical engineer
- 083 Agricultural engineer
- 084 Bioengineering & biomedical engineer
- 085 Chemical engineer
- 086 Civil, including architectural & sanitary engineer
- 087 Computer engineer - hardware
- 088 Computer engineer - software
- 089 Electrical, electronic engineer
- 090 Environmental engineer
- 091 Industrial engineer
- 092 Marine engineer or naval architect engineer
- 093 Materials or metallurgical engineer
- 094 Mechanical engineer
- 095 Mining or geological engineer
- 096 Nuclear engineer
- 097 Petroleum engineer
- 098 Sales engineer
- 099 Other engineer
- *** Engineering Technologists & Technicians
- 100 Electrical, electronic, industrial, mechanical
- 101 Drafting occupations, including computer drafting
- 102 Surveying & mapping
- 103 OTHER engineering technologists & technicians
- 104 Surveyors

110 Farmers, Foresters & Fishermen

Health Occupations

- 111 Diagnosing/Treating Practitioners (e.g., dentists, optometrists, physicians, psychiatrists, podiatrists, surgeons, veterinarians)
- 112 Registered nurses, pharmacists, dieticians, therapists, physician assistants
- 236 Psychologists, including clinical
- 113 Health Technologists & Technicians (e.g., dental hygienists, health record technologist/technicians, licensed practical nurses, medical or laboratory technicians, radiologic technologists/technicians)
- 114 OTHER health occupations

120 Lawyers, Judges

130 Librarians, Archivists, Curators

Managers, Executives, Administrators (Also see 151-153)

- 141 Top & mid-level managers, executives, administrators (people who manage other managers)
- *** All other managers, including the self-employed (Select the code that comes closest to the field you manage)

Management-Related Occupations (Also see 141)

- 151 Accountants, auditors, & other financial specialists
- 152 Personnel, training, & labor relations specialists
- 153 OTHER management related occupations

Mathematical Scientists

- 171 Actuaries
- 172 Mathematicians
- 173 Operations research analysts, modeling
- 174 Statisticians
- 175 Technologists & technicians in the mathematical sciences
- 176 OTHER mathematical scientists

Physical Scientists

- 191 Astronomers
- 192 Atmospheric & space scientists
- 193 Chemists, except biochemists
- 194 Geologists, including earth scientists
- 195 Oceanographers
- 196 Physicists
- 197 Technologists & technicians in the physical sciences
- 198 OTHER physical scientists

***** Research Associates/Assistants**

(Select the code that comes closest to your field)

Sales and Marketing

- 200 Insurance, securities, real estate, & business services
- 201 Sales Occupations - Commodities Except Retail (e.g., industrial machinery/equipment/supplies, medical & dental equip/supplies)
- 202 Sales Occupations - Retail (e.g., furnishings, clothing, motor vehicles, cosmetics)
- 203 OTHER marketing and sales occupations

Service Occupations, Except Health (Also see 111-114)

- 221 Food Preparation and Service (e.g., cooks, waitresses, bartenders)

***** Service Occupation (continued)**

- 222 Protective services (e.g., fire fighters, police, guards)
- 223 OTHER service occupations, except health

Social Scientists

- 231 Anthropologists
- 232 Economists
- 233 Historians, science & technology
- 234 Historians, except science & technology
- 235 Political scientists
- 236 Psychologists, including clinical (Also see 070)
- 237 Sociologists
- 238 OTHER social scientist
- 240 **Social Workers**

Teachers/Professors

- 251 Pre-Kindergarten & kindergarten
- 252 Elementary
- 253 Secondary - computer, math, or sciences
- 254 Secondary - social sciences
- 255 Secondary - other subjects
- 256 Special education - primary and secondary
- 257 OTHER precollegiate area
- *** Postsecondary
- 271 Agriculture
- 272 Art, Drama, & Music
- 273 Biological Sciences
- 274 Business Commerce & Marketing
- 275 Chemistry
- 276 Computer Science
- 277 Earth, Environmental, & Marine Science
- 278 Economics
- 279 Education
- 280 Engineering
- 281 English
- 282 Foreign Language
- 283 History
- 284 Home Economics
- 285 Law
- 286 Mathematical Sciences
- 287 Medical Science
- 288 Physical Education
- 289 Physics
- 290 Political Science
- 291 Psychology
- 292 Social Work
- 293 Sociology
- 294 Theology
- 295 Trade & Industrial
- 296 OTHER health specialties
- 297 OTHER natural sciences
- 298 OTHER social sciences
- 299 OTHER Postsecondary

Other Professions

- 401 Construction trades, miners & well drillers
- 402 Mechanics & repairers
- 403 Precision/production occupations (e.g., metal workers, woodworkers, butchers, bakers, printing occupations, tailors, shoemakers, photographic process)
- 404 Operators and related occupations (e.g., machine set-up, machine operators & tenders, fabricators, assemblers)
- 405 Transportation/material moving occupations
- 500 **Other Occupations (Not Listed)**

On behalf of the National Science Foundation:
Thank You for Completing this Survey!

**Please return your completed survey
in the enclosed business reply envelope to:**

**NuStats
3006 Bee Caves Road, Suite A300
Austin, TX 78746**

If you have any questions, please call:

**Adella Santos, NuStats
1-800-447-8287, ext. 2274**



NuStats

Are you a STEM graduate?

Did you graduate with a bachelor's degree in science, technology, engineering, or mathematics (STEM) from an HBCU in the past six years?

The National Science Foundation (NSF) is conducting a survey of STEM graduates from your and other HBCU institutions. The survey is designed to evaluate the STEM program that you participated in during your pursuit of a bachelor's degree.

In the next few weeks you will receive an NSF survey. Please take a few minutes to fill it out and return it. **If you prefer, you can contact our calling center, DataSource (1-877-221-7828) and complete the survey in less time over the phone.** Your participation will contribute to the preparation of future generations of scientists and engineers by HBCUs.

If the address on this card is incorrect or if your address will change soon, please contact Adella Santos at 800-447-8287, ext. 2274 or email us at HBCU@nustats.com to provide your updated address.

Thank you for your time and assistance in this important effort.

QUESTIONS? Contact Adella Santos at 800-447-8287, ext. 2274 or email at HBCU@nustats.com



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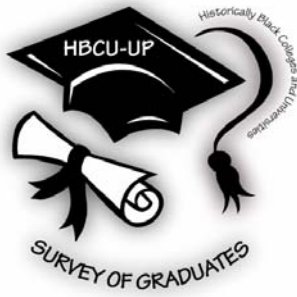
c/o NuStats
3006 Bee Caves Rd., Suite A300
Austin, Texas 78746

ADDRESS SERVICE REQUESTED



c/o NuStats
3006 Bee Caves Rd., Suite A300
Austin, Texas 78746

ADDRESS SERVICE REQUESTED



**Historically Black Colleges and Universities Undergraduate Program (HBCU-UP)
Survey of Graduates**
c/o NuStats
3006 Bee Caves Rd., Suite A-300
Austin, Texas 78746

«FIRSTNAME» «LASTNAME»
«ADDRESS» «APARTMENT»
«CITY», «STATE» «ZIP»

June 6, 2007
«SAMPN»-«REPLICATE»

Dear «FIRSTNAME»:


The National Science Foundation (NSF) is conducting a survey of individuals who graduated three to six years ago with a degree in a science, technology, engineering, or mathematics (STEM) field from a Historically Black College and University (HBCU) that received funding from NSF to implement a program called HBCU-UP. NSF records indicate that you received a baccalaureate degree in a STEM field from «UNIVERSITY» within that time frame.


If you did not, please check this box and return this letter and the survey in the stamped, self-addressed envelope that is enclosed.

If you did graduate from «UNIVERSITY» with a STEM degree, please take 12-15 minutes to complete the enclosed survey. You may also contact our calling center at the number below and complete the survey in even less time over the telephone. In the interest of improving the education of future STEM students at your HBCU, NSF would like to know about your experiences in the STEM degree program as well as your professional or academic experience since obtaining your bachelor's degree.

Your individual responses will be kept confidential and the information you and others provide will be used for program assessment and research purposes. The data collected will only be available to NSF and its research team, which includes the Urban Institute and NuStats. All three institutions are legally bound to protect the identity of respondents to the enclosed survey.

Survey Response Options

 **Mail:** To respond by mail, simply fill out the paper survey and return it in the enclosed postage paid envelope.

 **Telephone:** To respond by phone, please call us at 1-877-221-7828 and mention that you'd like to complete the HBCU survey. An interviewer will be available to take your call from **4pm to 10pm Central Time Monday through Friday, and noon to 6 pm on Saturdays and Sundays.**

If you have any questions about the study, you may call the project manager, Adella Santos at 800-447-8287 x2274. Your time and cooperation are greatly appreciated.

We hope to hear from you (either by mail or telephone) by «DISPLAY_RETURN». To thank you for your time and cooperation, we have enclosed a small cash gift.

Sincerely,

Adella Santos, *Senior Research Associate*
NuStats

Do you remember . . .



. . . the National Science Foundation survey we sent you two weeks ago?

We would love to hear from you soon. Sharing your information about your professional and academic experiences with NSF and its researchers will help to ensure that future talented HBCU STEM graduates will continue to benefit from the support of NSF programs.

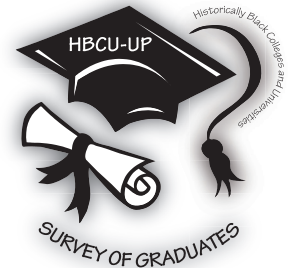
If you have already completed the survey, we thank you. If you have not, please take a few minutes to fill it out and return it. **If you've misplaced it or wish to complete it over the phone (which is faster), please call our telephone center at 1-877-221-7828 and ask to complete the HBCU survey.** An interviewer will be available to take your call Monday through Friday from 4 pm to 10 pm or Saturday and Sunday from 12 noon to 6 pm (Central Time).

We look forward to hearing from you. Thank you!

Sincerely,
Adella Santos, *Senior Research Associate*
NuStats

QUESTIONS? Contact Adella Santos at 800-447-8287, ext. 2274 or email at HBCU@nustats.com

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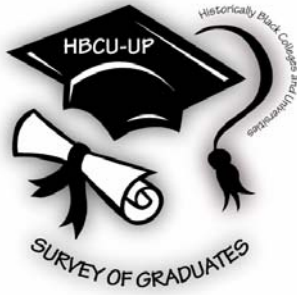
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Adella Santos, *Senior Research Associate*
NuStats

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HBCU-UP Survey of Graduates
c/o NuStats
3006 Bee Caves Rd., Suite A-300
Austin, Texas 78746

<<HBCU Graduate>>
<<Address>>
<<City>>, <<State>> <<Zip>>

<<Date>>
<<sampno>>-<<rep>>

Dear <<HBCU Graduate>>:

Some time ago, we sent you a survey, conducted on behalf of the National Science Foundation (NSF), of individuals who graduated from an HBCU three to six years ago with a bachelor's degree in a STEM field. This survey asks about your experiences in the STEM degree program and your professional or academic experience since obtaining your bachelor's degree.

In case you did not receive the survey or have misplaced it, we are once again enclosing a copy. Please take 12-15 minutes to complete it. You may also contact our calling center at the number below to complete the survey over the telephone in even less time.

Survey Response Options



Mail: To respond by mail, simply fill out the paper survey and return it in the enclosed postage paid envelope.



Telephone: To respond by phone, please call us at 1-877-221-7828 and mention that you'd like to complete the HBCU survey. An interviewer will be available to take your call from **4pm to 10pm Central Time Monday through Friday, and noon to 6 pm on Saturdays and Sundays.**

Your input can help improve the STEM programs at HBCU's for future students.

We hope to hear from you soon!

Sincerely,

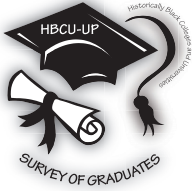
Adella Santos, *Senior Research Associate*
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REMINDER!



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