



# UHD Houston START Summer Program

## WHAT?

- The **UHD Houston START Summer Program** is an integrated science and mathematics inquiry-based program, which provides educational enrichment opportunities for students entering the 9<sup>th</sup>-11<sup>th</sup> grades who are committed to pursuing careers in science, technology, engineering, and mathematics.
- **START** is sponsored by the UHD Urban Center for Student Success and funded by the U.S. Army Research Office.

## WHY?

- To better prepare students who intend to take AP and/or Honors courses in science and mathematics.
- To explore and prepare you for careers in the fields of science, engineering, and mathematics.
- Students successfully completing the four-year UHD Houston **START** Summer Program will be invited to attend UHD with annual renewable scholarships based upon satisfactory performance and membership in the UHD Scholars Academy.

## WHO CAN ATTEND?

- Students from the Greater Houston Area who will be entering 9<sup>th</sup>-11<sup>th</sup> grades in Fall 2008, who are high achieving, self-motivated, and are seriously committed to pursuing science and technology professions.
- Students applying must be willing to devote three entire weeks (July 7-25) of their summer vacation to this innovative program.
- Priority will be given to students who are female, underrepresented in science/technology, and/or have financial need. However, all qualified students are encouraged to apply.
- Students who successfully complete the **START** program each summer and who are U.S. citizens/residents will receive a \$600 stipend.

## ELIGIBILITY CRITERIA?

- New applicants must have successfully completed the 8th grade prior to entering **START**.
- All applicants must have an overall "A" average in all their academic courses (especially in their English, Mathematics, and Science courses).
- Applicants must have satisfactory conduct grades within the most recent academic year.
- The UHD Houston **START** Summer Program is a four-year enrichment program. Successful applicants will become eligible for the program in subsequent years. We anticipate a couple openings in the second and third year program for students completing their 9<sup>th</sup> and 10<sup>th</sup> grade; however, preference will be given to students who have successfully completed prior summer(s) and who have maintained satisfactory academic grades and conduct. Only students who have completed the third year are eligible for the fourth year.
- Students who miss two or more days or who do not follow the rules of conduct will be dismissed from the **START** Summer Program.

## WHEN?

- July 7 - July 25, 2008 (Monday-Friday).
- Program hours are scheduled to run from 8:30 a.m. to 3:30 p.m.
- Field trips and special events will be planned.

## WHERE?

- The University of Houston-Downtown (UHD). All program functions, except for field trips, will be held in classrooms and laboratories of the UHD Department of Natural Sciences.

## **COST?**

- There is no tuition or fees to attend the UHD Houston **START** Summer Program.
- Students will receive a \$600 stipend that will be paid upon successful completion of the program. Stipends will be prorated for any days absent. Stipends are available for U.S. citizens/residents only.
- Families will be responsible for lunch and transportation to and from UHD. Before and after supervision (up to 30 minutes) will be provided at no charge. Students may bring sack lunches or purchase lunch from the UHD food court under supervision.

## **WHAT WILL I DO?**

- "Hands-on" and "mind-on" work in:
  - 1st Year (BIO-START): Biology / Algebra I
  - 2nd Year (CHEM-START): Chemistry / Algebra II or Geometry
  - 3rd Year (PHYS-START): Physics / Pre-Calculus
  - 4th Year (SCI-START): Pre-College Science / Calculus / Hands-on Research

## **WHAT DO I GET?**

- Problem Solving Skills
- New Friends
- Career Exploration
- Educational Field Trips
- Academic and Career Counseling
- University Experience
- Exposure to Advanced Technology
- Valuable Preparation in Science and Mathematics

## **WHO WILL TEACH?**

- Classes will be taught by college professors, scientists, engineers, mathematicians, and high school master teachers. UHD Scholar Academy students will serve as mentors and tutors.

## **HOW CAN I APPLY?**

- Obtain permission from your parents/guardians.
- Complete the entire 2-page application form.
- Submit a typed 250 word essay that describes why you wish to attend **START**, what field of science you intend to pursue and why. If you are a returning student, you must write an additional 250 word essay describing the benefits that you received by participating in the previous summer(s) and also state how you used the **START** experiences in your regular school classroom(s).
- Submit a copy of your latest report card (must include the 4<sup>th</sup> sixth-week grades).
- Submit two recommendations: one from your Science teacher and one from your Mathematics teacher.
- Mail the entire application form with all required documentation. Fax submissions are not accepted.

UHD Houston **START** Summer Program  
Urban Center for Student Success in Science, Technology, Engineering, and Mathematics  
University of Houston-Downtown  
One Main Street, Suite 725-North  
Houston, Texas 77002-1001  
PHONE: (713) 222-5344

## **BY WHEN?**

- Applications must be postmarked no later than **MARCH 20, 2008**. Fax submissions are not accepted.
- Notification of successful candidates will be made by April 30, 2008.
- Late applications will be accepted if openings are still available.

Please keep in mind the following:

- Make a copy of your completed application packet for your records.
- Incomplete and late applications will not be considered in the first round of acceptance.

For an application and more information, visit our website at <http://hunstem.uhd.edu/startcamp>.

For questions or additional applications, please contact the UHD Scholar Academy at (713) 222-5344.

UHD Houston **START** Summer Program is sponsored through the UHD Urban Center for Student Success with funding by the U.S. Army Research Office (Award No. W911NF-04-1-0024).

# ATTENTION FIRST YEAR APPLICANTS!

LISTED BELOW ARE TIPS TO HELP YOU SUBMIT A SUCCESSFUL APPLICATION.

**APPLICATION:**

- Answer all questions on both sides of the application.
- List the complete name of your school and district.
- Sign the application.
- Have your parent/guardian sign the application.

**ESSAY:**

- Your essay will be carefully evaluated and is an important part of your application.
- Neatly print or type your 250 word essay and in your own words (preferably on a separate page).
- Use proper grammar and double check your spellings.

**GRADE REPORT:**

- Attach a legible copy of your latest 2007-2008 grade report. This must include the 4<sup>th</sup> sixth-week grades.

**NOMINATION  
FORMS:**

- One from your science teacher.
- One from your mathematics teacher.
- Both nomination forms must be submitted by March 20 to complete your application. They may be sent in together or separately.

Please submit all the items listed above as one packet. Applications must be postmarked on or before March 20, 2008. Mail the entire application packet to the below address. Fax submissions are NOT accepted.

## UHD Houston START Summer Program

Urban Center for Student Success in Science, Technology,  
Engineering, and Mathematics

University of Houston-Downtown  
One Main Street, Suite 725-North  
Houston, Texas 77002-1001

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# UHD Houston START Summer Program

JULY 7 - JULY 25, 2008

## APPLICATION

**DEADLINE: POSTMARKED ON OR BEFORE MARCH 20, 2008 (NO FAXES ACCEPTED)**

### PART 1 - TO BE COMPLETED BY APPLICANT ALL QUESTIONS MUST BE ANSWERED. PLEASE PRINT.

NAME: \_\_\_\_\_  
LAST FIRST M.I.

SOCIAL SECURITY NUMBER: \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ DATE OF BIRTH: \_\_\_\_\_

ADDRESS: \_\_\_\_\_ APT #: \_\_\_\_\_ CITY: \_\_\_\_\_

STATE: \_\_\_\_\_ ZIP CODE: \_\_\_\_\_ HOME PHONE: \_\_\_\_\_ E-MAIL: \_\_\_\_\_

GENDER: \_\_\_\_\_ U.S. CITIZEN?  YES  NO PERMANENT RESIDENT?  YES  NO (Proof will be required.)

ETHNICITY: \_\_\_ AFRICAN-AMERICAN \_\_\_ AMERICAN-INDIAN \_\_\_ ASIAN  
\_\_\_ ANGLO \_\_\_ HISPANIC \_\_\_ OTHER \_\_\_\_\_

CURRENT GRADE: \_\_\_ 8TH \_\_\_ 9TH \_\_\_ 10TH \_\_\_ 11TH \_\_\_ 12TH

SCHOOL & DISTRICT YOU CURRENTLY ATTEND: \_\_\_\_\_

### PART 2 - TO BE COMPLETED BY PARENT OR GUARDIAN

FATHER'S NAME: \_\_\_\_\_ WORK PHONE: \_\_\_\_\_

HIGHEST GRADE LEVEL OR DEGREE/SUBJECT: \_\_\_\_\_

E-MAIL: \_\_\_\_\_ HOME/CELL PHONE: \_\_\_\_\_

MOTHER'S NAME: \_\_\_\_\_ WORK PHONE: \_\_\_\_\_

HIGHEST GRADE LEVEL OR DEGREE/SUBJECT: \_\_\_\_\_

E-MAIL: \_\_\_\_\_ HOME/CELL PHONE: \_\_\_\_\_

LIST SOMEONE OTHER THAN YOUR PARENTS OR GUARDIAN LISTED ABOVE.

IN CASE OF EMERGENCY, CONTACT (1): \_\_\_\_\_ PHONE: \_\_\_\_\_

IN CASE OF EMERGENCY, CONTACT (2): \_\_\_\_\_ PHONE: \_\_\_\_\_

### PART 3 - PARENT/GUARDIAN'S CONSENT

AS THE PARENT/GUARDIAN OF THE ABOVE MENTIONED STUDENT, I CERTIFY THAT MY CHILD HAS MY PERMISSION TO PARTICIPATE IN THE UHD HOUSTON START SUMMER PROGRAM AND THAT THE ABOVE INFORMATION IS ACCURATE. HE/SHE IS COMMITTING TO ATTEND THE UHD START SUMMER PROGRAM, MONDAY THROUGH FRIDAY, FOR THREE WEEKS. IT IS MY UNDERSTANDING THAT HE/SHE WILL BE SUBJECT TO THE REGULATIONS OF THE UHD START SUMMER PROGRAM AND UHD. SHOULD MY CHILD MISS MORE THAN TWO DAYS, I UNDERSTAND THAT MY CHILD MAY BE AUTOMATICALLY DISMISSED FROM THE START PROGRAM. I UNDERSTAND THAT SHOULD A HEALTH EMERGENCY ARISE, I WILL BE NOTIFIED. IF I CANNOT BE REACHED BY TELEPHONE, MEDICAL TREATMENT DEEMED NECESSARY BY COMPETENT MEDICAL PERSONNEL IS AUTHORIZED.

AS THE PARENT/GUARDIAN OF THE ABOVE MENTIONED STUDENT, I CERTIFY THAT MY CHILD HAS MY PERMISSION TO HAVE ACCESS TO THE INTERNET. I UNDERSTAND THAT HE/SHE WILL BE ALLOWED ONLY TO ACCESS RELEVANT MATERIAL. ANY VIEWING OF OBSCENE MATERIAL ON THE INTERNET IS GROUNDS FOR IMMEDIATE DISMISSAL. ALSO, IF ACCEPTED, I AUTHORIZE USE OF PHOTOS/VIDEOS AND RELEASE OF INFORMATION PERTAINING TO MY CHILD DEEMED NECESSARY FOR PUBLICATIONS BY THE UHD START SUMMER PROGRAM.

PARENT'S SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

APPLICANT'S SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

## PART 4 - TO BE COMPLETED BY APPLICANT

- A. **PRINT OR TYPE A 250 WORD ESSAY BELOW THAT DESCRIBES WHY YOU WANT TO ATTEND THE UHD START SUMMER PROGRAM, WHAT FIELD OF SCIENCE YOU WISH TO PURSUE AND WHY. If you are a returning student, you must write an additional 250 word essay describing the benefits that you received by participating in the previous summer(s); also state how you used the START experiences in your regular school classroom(s), and explain why you would like to continue being a part of the START program. (Attach additional sheet if necessary).**

- B. **BRIEFLY DESCRIBE ANY AWARDS OR HONORS RECEIVED FOR PARTICIPATION IN ANY RECENT ACADEMIC ACTIVITIES.**

- C. **PLEASE CHECK BELOW THE CONCEPTS/SUBJECTS YOU HAVE STUDIED THUS FAR**

(Please, ask your teachers, if necessary):

**SCIENCE:**

\_\_\_ PHYSICAL SCIENCE \_\_\_ EARTH SCIENCE \_\_\_ LIFE SCIENCE \_\_\_ BIOLOGY \_\_\_ CHEMISTRY

\_\_\_ OTHER: \_\_\_\_\_

**MATHEMATICS:**

\_\_\_ PRE-ALGEBRA \_\_\_ ALGEBRA I \_\_\_ ALGEBRA II \_\_\_ GEOMETRY \_\_\_ TRIGONOMETRY

\_\_\_ OTHER: \_\_\_\_\_

- D. **SUBMIT A COPY OF YOUR LATEST 2007-2008 GRADE REPORT. THIS MUST INCLUDE THE 4<sup>TH</sup> SIX-WEEK GRADES.**

- E. **HOW DID YOU FIRST HEAR ABOUT THE UHD HOUSTON START SUMMER PROGRAM?**

(PLEASE CHOOSE ONLY ONE RESPONSE.)

TEACHER     PRINCIPAL     COUNSELOR     FORMER PARTICIPANT

POSTER/FLYER     SCHOOL PRESENTATION

OTHER: \_\_\_\_\_

**MAIL THE ENTIRE APPLICATION PACKET TO:**

**UHD Houston START Summer Program  
Urban Center for Student Success in Science, Technology, Engineering, and Mathematics  
University of Houston-Downtown  
One Main Street, Suite 725-North  
Houston, Texas 77002-1001  
Phone: (713) 222-5344**

# UHD HOUSTON START SUMMER PROGRAM

JULY 7 - JULY 25, 2008

## SCIENCE TEACHER NOMINATION FORM

**DEADLINE: POSTMARKED ON OR BEFORE MARCH 20, 2008 (NO FAXES ACCEPTED)**

DIRECTIONS: All parts of the application must be completed otherwise, the application will be considered incomplete. Incomplete and late applications will not be processed. Please type or print clearly.

### PART 1 - TO BE COMPLETED BY APPLICANT

NAME: \_\_\_\_\_  
LAST FIRST M.I.

STUDENT PHONE: \_\_\_\_\_ EMAIL: \_\_\_\_\_

SCHOOL NAME: \_\_\_\_\_ CURRENT GRADE LEVEL: \_\_\_\_\_

### PART 2 - TO BE COMPLETED BY SCIENCE TEACHER

PLEASE PROVIDE COMMENTS ON MOTIVATION, AMBITION, BEHAVIOR, PERSONALITY, ETC., THAT YOU FEEL ARE PERTINENT TO THE STUDENT'S PERFORMANCE IN A RIGOROUS COLLEGE CURRICULUM IN STEM. IF THE STUDENT FAILS TO SATISFY SOME ACADEMIC REQUIREMENTS, PLEASE EXPLAIN IN DETAIL. COMMENTS MAY BE ATTACHED OR WRITTEN ON THE BACK OF THIS PAGE. PLEASE INDICATE BELOW HOW YOU WOULD COMPARE THE APPLICANT WITH OTHER STUDENTS IN THE SAME GRADE LEVEL:

CHARACTERISTIC	EXCELLENT	GOOD	FAIR	POOR
ACADEMIC PERFORMANCE				
CONDUCT IN CLASS				
WILLINGLY PARTICIPATES IN CLASS				
RESPECTS OTHERS AND THEIR PROPERTY				
ABILITY TO FOLLOW INSTRUCTIONS				
COMPLETES ASSIGNED WORK ON TIME				
ANALYTICAL THINKING SKILLS				
MATURITY				
PUNCTUALITY				
EAGER TO LEARN NEW THINGS				
STUDENT IS SUFFICIENTLY MOTIVATED TO COMPLETE A RIGOROUS 3-WEEK SUMMER PROGRAM				

How long have you known the applicant: \_\_\_\_\_ years. In what capacity have you known the applicant? \_\_\_\_\_

\_\_\_\_\_  
Recommender's Name and Title

\_\_\_\_\_  
Telephone Number

\_\_\_\_\_  
Place of Employment

\_\_\_\_\_  
Address

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

For questions or applications, please contact the UHD Scholar Academy at 713-222-5344 or visit <http://hunstem.uhd.edu/startcamp>.

# UHD HOUSTON START SUMMER PROGRAM

JULY 7 - JULY 25, 2008

## MATHEMATICS TEACHER NOMINATION FORM

**DEADLINE: POSTMARKED ON OR BEFORE MARCH 20, 2008 (NO FAXES ACCEPTED)**

DIRECTIONS: All parts of the application must be completed otherwise, the application will be considered incomplete. Incomplete and late applications will not be processed. Please type or print clearly.

### PART 1 - TO BE COMPLETED BY APPLICANT

NAME: \_\_\_\_\_  
LAST FIRST M.I.

STUDENT PHONE: \_\_\_\_\_ EMAIL: \_\_\_\_\_

SCHOOL NAME: \_\_\_\_\_ CURRENT GRADE LEVEL: \_\_\_\_\_

### PART 2 - TO BE COMPLETED BY MATHEMATICS TEACHER

PLEASE PROVIDE COMMENTS ON MOTIVATION, AMBITION, BEHAVIOR, PERSONALITY, ETC., THAT YOU FEEL ARE PERTINENT TO THE STUDENT'S PERFORMANCE IN A RIGOROUS COLLEGE CURRICULUM IN STEM. IF THE STUDENT FAILS TO SATISFY SOME ACADEMIC REQUIREMENTS, PLEASE EXPLAIN IN DETAIL. COMMENTS MAY BE ATTACHED OR WRITTEN ON THE BACK OF THIS PAGE. PLEASE INDICATE BELOW HOW YOU WOULD COMPARE THE APPLICANT WITH OTHER STUDENTS IN THE SAME GRADE LEVEL:

CHARACTERISTIC	EXCELLENT	GOOD	FAIR	POOR
ACADEMIC PERFORMANCE				
CONDUCT IN CLASS				
WILLINGLY PARTICIPATES IN CLASS				
RESPECTS OTHERS AND THEIR PROPERTY				
ABILITY TO FOLLOW INSTRUCTIONS				
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ANALYTICAL THINKING SKILLS				
MATURITY				
PUNCTUALITY				
EAGER TO LEARN NEW THINGS				
STUDENT IS SUFFICIENTLY MOTIVATED TO COMPLETE A RIGOROUS 3-WEEK SUMMER PROGRAM				

How long have you known the applicant: \_\_\_\_\_ years. In what capacity have you known the applicant? \_\_\_\_\_

\_\_\_\_\_  
Recommender's Name and Title

\_\_\_\_\_  
Telephone Number

\_\_\_\_\_  
Place of Employment

\_\_\_\_\_  
Address

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

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