

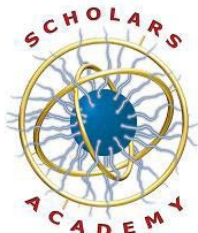


# Camp STEM Prep 2015

## Texas Workforce Commission Summer Merit Program

**July 13-24, 2015**

(for current 10th & 11th grade  
High School students)



### Camp STEM Prep



Camp STEM Prep aims to increase the number of minority students pursuing careers in science, technology, engineering, and mathematics (STEM). Camp students will be exposed to lectures, labs, and field trips targeting two statewide industry clusters: 1) biotechnology and life sciences, and 2) petroleum refining and chemical products. Additionally, the program will address issues critical to preparing for STEM college degrees and careers, including: resume development; financial aid; SAT prep; college admissions process; and successful workforce skills. A Parent Workshop will also be offered. Through this two-week summer program, participants will be better informed and prepared for critical STEM careers within the Texas workforce.

### Camp Scholarship Recipients

#### Eligibility Requirements:

- \* A current 10th through 12th between 14-21 years old
- \* U.S. citizenship or permanent residency
- \* "A" and "B" average students with clear conduct records
- \* Preference to applicants with STEM interest.

#### Application Requirements:

- \* A completed and signed application
- \* Proof of citizenship or permanent residency
- \* A Recommendation Letter (from a math teacher and a science teacher)
- \* One-page student essay about their passion for STEM
- \* Parent letter of recommendation
- \* Unofficial copy of latest high school transcript

**Application Deadline: March 6, 2015**

**University of Houston-Downtown**  
**July 13-July 24, 2015 (8am-5pm, Mon-Fri)**

Biotechnology/Life Sciences  
Petroleum Refining/Chemistry  
Problem-based Learning

Laboratory Experiences & Experiments

Field Trips & Speaker Series

College Success Program/SAT Prep

Financial Management & Career Program

Parent Workshops

Free Graphing Calculator

Lunch Provided

Travel Assistance

# TexasWorkforce

The Texas Workforce Commission (TWC) Summer Merit Program (SMP) has awarded UHD Scholars Academy a grant to provide scholarships for Texas high school students for the purpose of increasing the number of students served in STEM skills-related summer camps. One of the goals of SMP is to relieve financial obstacles for Texas students, who may not have had an opportunity to attend a summer camp, by awarding scholarships. The UHD Camp STEM Prep student scholarships (28-10th graders, 28- 11<sup>th</sup>, 28- 12th and 28- 12<sup>th</sup> grade pre-college students) are valued at over \$850 per student participant to attend the camp.

### Camp STEM Prep Contacts:

Dr. Mary Jo Parker, PI & Scholars Academy Dir.  
713-221-8471 / ParkerM@uhd.edu

Mr. Rene Garcia, Scholars Academy Program Mgr.  
713-222-5344 / GarciaR@uhd.edu

### The UHD Scholars Academy

The UHD Scholars Academy (SA) is an academically competitive program in the College of Sciences and Technology (CST) that promotes scholarship and student success for UHD undergraduate students majoring in Science, Technology, Engineering and Mathematics (STEM). A major part of our mission is to increase the number of academically capable students graduating with STEM degrees, and to increase the number of those choosing to further pursue graduate and professional STEM-related degrees. This competitive program is made possible by The Brown Foundation, Inc., National Institutes of Health, National Science Foundation, U.S. Department of Defense, U.S. Department of Education, U.S. Nuclear Regulatory Commission, Welch Foundation, and UHD Donors.

Website: [www.uhd.edu/scholars](http://www.uhd.edu/scholars)

Email: [scholars@uhd.edu](mailto:scholars@uhd.edu)

Phone: 713-222-5344 Fax: 713-223-7410

UHD Scholars Academy  
One Main Street, Suite 725-North  
Houston, TX 77002-1001

**Camp STEM Prep 2015: A Summer Merit Program for High School Students (currently in 10th through 12th Grade/post-12<sup>th</sup> precollege) who are interested in Biotechnology/Life Sciences and Petroleum Refining/Chemical Products & College Success - Application Deadline: March 6, 2015**

**INSTRUCTIONS:**

Please carefully read all questions and complete the entire application (print/type clearly and neatly). Request recommendation letters to be completed and sealed on your behalf from two of your current instructors (sent with application or separately). Submit this application form together with your essay describing your passion to pursue a STEM degree and career, plus a copy of your latest transcript(s). **Participants must be U.S. citizens or Permanent Residents.**

Send application materials to: Camp STEM Prep, UHD Scholars Academy, One Main Street, Suite N-725, Houston, TX, 77002-1001 or email to: [scholars@uhd.edu](mailto:scholars@uhd.edu); [parkerm@uhd.edu](mailto:parkerm@uhd.edu).

**Part 1. Personal and Contact Information**

1. Residency: ☐ U.S. Citizen ☐ U.S. Permanent Resident
2. Date of Birth (Month/Day/Year) \_\_\_\_\_
3. Full Name \_\_\_\_\_  
(Last) (First) (Middle) (Maiden) (Suffix: Jr., etc.)
4. Gender: ☐ M ☐ F
5. Ethnicity: ☐ Hispanic or Latino  
☐ Non-Hispanic and Non-Latino
6. Race: ☐ American Indian ☐ Alaska Native ☐ Asian  
☐ Black or African-American  
☐ Native Hawaiian or Other Pacific Islander  
☐ White/Caucasian ☐ Other \_\_\_\_\_
7. Are you a: ☐ A Foster Child ☐ Veteran or Veteran's Spouse
8. Home Address \_\_\_\_\_  
Apt.# \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
Home Phone \_\_\_\_\_  
Cell Phone \_\_\_\_\_
9. Email Address \_\_\_\_\_
10. Parent(s) Full Name \_\_\_\_\_  
Cell Phone(s) \_\_\_\_\_ Work Phone(s) \_\_\_\_\_
11. Secondary emergency contact: \_\_\_\_\_
12. Emergency Numbers: \_\_\_\_\_

**Part 2. Educational Information**

12. Current Grade Level: ☐ 10th ☐ 11th
13. High School graduation date \_\_\_\_\_
14. High School GPA \_\_\_\_\_ (on a 4.0 scale)
15. High School rank \_\_\_\_\_ out of \_\_\_\_\_ (# in class)
16. Currently eligible to receive free or reduced school lunch?  
☐ Yes ☐ No
17. From what high school will you graduate?  
Name \_\_\_\_\_  
District \_\_\_\_\_
18. If you took the SAT, list your scores: Math \_\_\_\_\_ Verbal \_\_\_\_\_
19. If you took the ACT, list your scores:  
Composite \_\_\_\_\_ Math \_\_\_\_\_ English \_\_\_\_\_
20. If you have any college credit:  
Name of College \_\_\_\_\_ # of Hours \_\_\_\_\_ GPA \_\_\_\_\_
21. STEM courses taken to-date: ☐ Biology ☐ IPC ☐ Chemistry  
☐ Physics ☐ Algebra I ☐ Geometry ☐ Algebra II  
☐ PreCalculus ☐ Calculus  
☐ Statistic

Advanced Placement Courses Taken: \_\_\_\_\_

22. List extracurricular activities related to STEM: \_\_\_\_\_

23. Scholarships received to-date: \_\_\_\_\_

24. Current Attendance Records (2014-2015 school year): Days Absent \_\_\_\_\_

Please check one or more possible STEM major fields of study you may have an interest in pursuing:

Computer Science <input type="checkbox"/>	Math <input type="checkbox"/>	Biology <input type="checkbox"/>	Chemistry <input type="checkbox"/>
Engineering <input type="checkbox"/>	Medical/Health <input type="checkbox"/>	Biotechnology <input type="checkbox"/>	

26. How did you initially hear about the Camp STEM Prep 2015 Program?

- ☐ Poster/Flyer (please specify) \_\_\_\_\_
- ☐ Website (please specify) \_\_\_\_\_
- ☐ Counselor (please specify) \_\_\_\_\_
- ☐ Teacher (please specify) \_\_\_\_\_
- ☐ UHD recruiter (please specify) \_\_\_\_\_
- ☐ Other \_\_\_\_\_

**Part 3. Application Checklist**

Completed and signed application form

A recommendation letter from a math and science teacher

One-page essay explaining the importance of the Camp attendance and their passion to pursue a STEM college degree and career

Parent recommendation letter supporting their student applicant (one-page)

Latest unofficial copy of transcript(s) - high school / college

Proof of U.S. citizenship or permanent residency status

Proof of Selective Service Registration (if male and age 18 or above)

**Part 4. Student and Parental Acknowledgements and Permissions:**

I voluntarily certify that this information is complete and accurate to the best of my knowledge. I authorize the Camp STEM Prep personnel at University of Houston-Downtown (UHD) and the Texas Workforce Commission (TWC) to review all submitted application materials, including proof of residency, academic records and standardized test scores as submitted through this application for the purposes of selection to Camp STEM Prep 2015, which is sponsored by the Texas Workforce Commission Summer Merit Program. If selected for this program, I understand that this information will be kept confidential and will be used in aggregate form only with no individual disclosure occurring before or after the end of the award period. If accepted, I further voluntarily authorize use of photos/videos and release of aggregate information deemed necessary for publications by the university, UHD Scholars Academy, and the Texas Workforce Commission. I also understand that immediate dismissal from the program may result for misbehavior or excessive absences/tardies deemed by program staff. 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. I also authorize access to the Internet and field trip attendance plus agree to provide transportation to/from the Camp, which will run from 8am – 5pm each weekday during July 12-24, 2015. I understand, too, that TWC eligibility (proof of U.S. citizenship or permanent residency) documentation in the form of a copy of birth certificate, passport, or visa/green card must accompany this application for any selection to occur.

Student Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Parent Signature: \_\_\_\_\_ Date: \_\_\_\_\_

If under the age of 18, parent's signature is required.



UHD STEM Prep Camp 2015  
Letter of Consent for Minors

Dear UHD STEM Prep Camp 2015 Minor Participant:

I am Dr. Mary Jo Parker, Scholars Academy Director and Natural Sciences Faculty member at the UHD College of Sciences and Technology. I am conducting a research study to examine the impact of summer camp experiences in the STEM arenas of biotechnology/life sciences and chemistry/petroleum refining by offering cutting edge instruction and problem-based lab activities and developing mobile applications to understand coding and application development for the mobile technology world. The goals of this camp are:

- 1) understand the STEM interest and career interest levels associated with the camp's industry focus by using a pre and post survey;
- 2) science, technology, engineering, and mathematics can be offered as multiple focal points through first hand, carefully selected laboratory hands-on learning activities; and
- 3) gain information as to soft career skills industries indicate they want in future employees, increase individual preparedness for college entrance exams (SAT/ACT), increase individual motivation/skills to enter STEM college programs, and gain foundational understanding of UHD Admissions and Financial Aid programs as well as STEM needs in the greater Houston area.

I am requesting for your voluntary participation in the UHD/SA STEM Prep Camp study, which will involve 1) application and acceptance in the Summer Program, 2) informed consent to voluntarily participate in the two-week onsite experience at UHD (along with Parental Consent), and 3) providing voluntarily the application documents to project administrators prior to acceptance into the program, as indicated in the application.

All background information collected through the application will only be used in an aggregated form, meaning no individual information will be released for presentation/publication purposes and only group information averages without names will be used. Your participation in this day camp summer Prep Camp experience is voluntary and your parent must give permission to your participation.

Your total time commitment involved in this research will include for student participants the commitment will include 2 full weeks of summer camp experiences on the UHD campus located at One Main Street, Houston, Texas, 77002.

If selected, voluntary participation in this study will include working lunch seminars, field trips to local biotechnology and petroleum industries, SAT prep information, career softskill workshops, and a Parent Workshop booklet with information about university admissions and financial aid. You will participate in laboratory activities and studies in UHD labs. You are under no obligation to participate in this study or to receive the summer program benefits connected with this study. *The completion or non-completion of this study will not affect your status as a potential UHD undergraduate unless other UHD policies come into effect.*

Your agreement to participate in the UHD STEM Prep Camp summer program requires: 1) you be a U.S. citizen or permanent resident, 2) be a current 10-12th grade high school student with an interest in STEM 3) show proof of academic merit, and 4) complete an on-time application to be part of the summer project and as a minor, provide documentation from your parent of their consent to your participation. Participants selected for the summer program will be from the pool of completed applications only.

If you have any questions concerning the research study, please call Dr. Mary Jo Parker, SA Director (713) 221-8471.

Sincerely,

Dr. Mary Jo Parker, Principal Investigator  
Scholars Academy Director/Natural Science Faculty  
University of Houston Downtown College of Science and Technology

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**UHD STEM Prep Camp 2015 Letter of Consent for Minors – Return with Application**

I give consent for my child \_\_\_\_\_ (name of child) to participate in the above study. I understand that pictures or statements associated with this research may be taken and I give my release for use of such images or statements for this project.

Parent of Minor Name (Print)	Signature	Date
Minor's Name (Print)	Signature	Date

Any questions regarding your rights as a research subject may be addressed to the UHD Committee on Standards for Research Involving Human Subjects through its current chair, Dr. Ruth Johnson at 713-223-7937 or at [johnsonru@uhd.edu](mailto:johnsonru@uhd.edu). All research projects that are carried out at the University of Houston Downtown are governed by requirements of the University and the Federal Government.

UHD STEM Prep Camp 2015  
Parent/Guardian Letter of Consent for Minors

Dear UHD STEM Prep Camp 2015 Parent/s/Guardian of Minors:

I am Dr. Mary Jo Parker, Scholars Academy Director and Natural Sciences Faculty member at the UHD College of Sciences and Technology. I am conducting a research study to examine the impact of summer camp experiences in the STEM arenas of biotechnology/life sciences and chemistry/petroleum refining by offering cutting edge instruction and problem-based lab activities and developing mobile applications to understand coding and application development for the mobile technology world. The goals of this camp are:

- 1) understand the STEM interest and career interest levels associated with the camp's industry focus by using a pre and post survey;
- 2) science, technology, engineering, and mathematics can be offered as multiple focal points through first hand, carefully selected laboratory hands-on learning activities; and
- 3) gain information as to soft career skills industries indicate they want in future employees, increase individual preparedness for college entrance exams (SAT/ACT), increase individual motivation/skills to enter STEM college programs, and gain foundational understanding of UHD Admissions and Financial Aid programs as well as STEM needs in the greater Houston area.

I am requesting for your child's voluntary participation in the UHD/SA STEM Prep Camp study, which will involve 1) application and acceptance in the Summer Program, 2) informed parental consent to voluntarily participate in the two-week onsite experience at UHD (along with Parental Consent), and 3) providing voluntarily the application documents to project administrators prior to acceptance into the program, as indicated in the application.

All background information collected through the application will only be used in an aggregated form, meaning no individual information will be released for presentation/publication purposes and only group information averages without names will be used. Your child's participation in this day camp summer Prep Camp experience is voluntary and you must give permission to your participation.

Your child's total time commitment involved in this research will include 2 full weeks of summer camp experiences (8:00 to 5:00 with transportation the responsibility of the parent) at the UHD campus located at One Main Street, Houston, Texas, 77002.

If selected, your child's voluntary participation in this study will include working lunch seminars, field trips to local biotechnology and petroleum industries, SAT prep information, career softskill workshops, and a Parent Workshop booklet with information about university admissions and financial aid. Your child will receive a graphing calculator for personal use upon completion of the camp. Your child will participate in laboratory activities in UHD labs in the areas of life science/biotechnology and chemical/petroleum industry. Your child is under no obligation to participate in this study or to receive the summer program benefits connected with this study. *The completion or non-completion of this study will not affect your status as a potential UHD undergraduate unless other UHD policies come into effect.*

Your agreement to allow your child to participate in the UHD STEM Prep Camp summer program requires: 1) your child be a U.S. citizen or permanent resident, 2) be a current 10-12th grade high school student with an interest in STEM 3) your child shows evidence of academic merit, and 4) completes an on-time application to be part of the summer project and as a minor, and your parental informed consent as documentation your consent for their participation. Participants selected for the summer program will be from the pool of completed applications only.

If you have any questions concerning the research study, please contact Dr. Mary Jo Parker, SA Director (713) 221-8471.

Sincerely,  
Dr. Mary Jo Parker, Principal Investigator  
Scholars Academy Director/Natural Science Faculty  
University of Houston Downtown College of Science and Technology

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**UHD STEM Prep Camp 2015 Parental Letter of Consent for Minors – Return with Application**

I give consent for my child \_\_\_\_\_ (name of child) to participate in the above study. I understand that pictures or statements associated with this research may be taken and I give my release for use of such images or statements for this project.

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Parent of Minor Name (Print)

Signature

Date

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Minor's Name (Print)

Signature

Date

Any questions regarding your rights as a research subject may be addressed to the UHD Committee on Standards for Research Involving Human Subjects through its current chair, Dr. Ruth Johnson at 713-223-7937 or at [johnsonru@uhd.edu](mailto:johnsonru@uhd.edu). All research projects that are carried out at the University of Houston Downtown are governed by requirements of the University and the Federal Government.