

Upward Bound Math Science

University of Tennessee at Chattanooga

Organization Overview:

The Upward Bound Math Science program is part of the federally funded TRIO programs, whose purpose is to prepare low-income, and first-generation, college-bound students for success in higher education. The goal of Upward Bound Math Science is to help students recognize and develop their potential to excel in math and science and to encourage them to pursue post-secondary degrees in those subjects.

Currently, UBMS serves students from Brainerd High School and Howard School of Academics and Technology. UBMS offers year-round academic support, to include tutoring for school work, participation in test preparation courses, and classes offered for students and their families to learn more about the college admissions and financial aid processes. UBMS offers a wide array of enrichment programs, college tours and informative workshops and seminars, and support is offered to students and their families. Students participate in a summer program of enrichment classes, research projects, and STEM activities, which takes place on the University of Tennessee Chattanooga campus. After graduation, students participate in a bridge program to assist in preparing for life as a college student.

Upward Bound Math Science Interns (UBMSI's) will be provided with opportunities for informal educational experiences with high needs student populations in the Upward Bound Math Science program currently in place at UTC. The **Academic Year Component** takes place in our target schools (Howard High School and Brainerd High School) during the week and various Saturdays on the campus of UTC. The academic program provides UBMS students' academic support, which includes tutoring and homework assistance for school work, participation in test preparation courses (i.e., ACT and SAT), and classes offered for students and their families to learn more about the college admissions and financial aid processes. The Upward Bound Math Science "Saturday College" sessions offer classes that supplement high school mathematics and science classes, among other classes, and special interest classes that allow students to enhance their academic skills through the completion of a variety of projects.

The **Summer Component** of the Upward Bound Math Science program is a six-week residential program for students from high academic need schools. The Upward Bound Math Science summer component offers classes that supplement high school mathematics and science classes and special interest classes that allow students to enhance their academic skills through the completion of a variety of research based projects.

Job Description

- Teach class in the areas of Math or Science and/or assist with classroom activities during the Upward Bound Math Science "Saturday College" sessions.

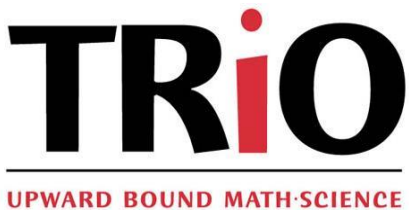
- Develop lesson plans for classroom preparation (gather materials, research, printing, filing, organizing, etc.) and presentation
- Provide academic assistance (tutoring) to students having difficulties understanding/completing assignments and homework assignments
- Submit documentation forms in a timely manner
- Attend trainings, school events (parent orientation, STEM meetings, workshops, etc.) as needed
- Serve as academic mentor to underprepared, motivationally at-risk high school students (i.e., providing academic support)
- Serve as chaperone for the programs educational and cultural activities/field trips
- Other duties as assigned

Specific Skills/ Experience Required

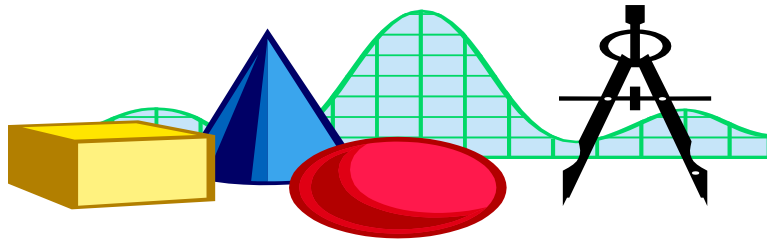
- Students must possess knowledge and ability to relate to culturally diverse students
- Strong interpersonal and communication skills
- Must be able to work independently
- Proficient with Microsoft Office
- Basic computer and organizational skills
- Special consideration will be given to individuals identified as minorities, persons with disabilities, and underrepresented individuals relative to specific teaching areas (e.g., women in math, physics etc...).

Application Process:

Please send application, letter of interest and resume to: stemed@utc.edu by August 19, 2016 for Fall 2016 positions, November 18, 2016 for Spring 2017 positions and April 14, 2017 for Summer 2017 positions. All resumes submitted will be reviewed. Only those chosen for an interview will be contacted by the Upward Bound Math Science.



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