

PROGRAMMING COORDINATORS

The M.A.S.T.E.R. program will be coordinated by two assistants from the Office of Diversity Programs, Grégory Pierre-Louis and Saraan Vercillo. They, along with Dr. Nicole Bradford, Director of Diversity Programs at WPI and Janice Weekes, Director of Higher Education Resource Center, will set up mentoring programs, tutoring, SAT Preparatory workshops and much more. For those interested, this is an excellent way to get guidance and help on success.

There is no fee to participate in this program.

NEED MORE INFORMATION?

For more information feel free to contact one of the following:

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The Worcester Public Schools is not responsible for, or connected with, any aspect of this program and participation in this program is the sole decision and responsibility of the parent/guardian

M.A.S.T.E.R.

Higher Education Resource Center

Christ Tabernacle
Apostolic Church
1189 Main Street
Worcester, MA 01603
Tel.: (508) 756-0900
<http://www.worcesterherc.org>

WPI

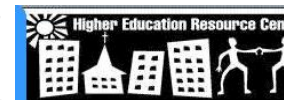
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Worcester, MA 01609
Tel.: (508) 831-5796
<http://www.wpi.edu/Admin/MAO/>
mailto:diversity@wpi.edu

MATH AND SCIENCE TECHNOLOGY EDUCATION RESOURCE PROGRAM

M.A.S.T.E.R.



WPI



Worcester Polytechnic Institute
Office of Diversity Programs
Tel.: (508) 831-5796

The high tech world lacks diversity. Leaders in industry, government and academia are looking at our ever-changing global outlook to align minority youth with science and technology jobs.



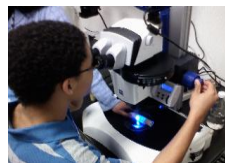
The Math And Science Technology Education Resource (M.A.S.T.E.R.) program is a collaboration between Worcester Polytechnic Institute (WPI) and the Worcester Higher Education Resource Center. The program's goal is to strengthen minority high school students' skills and abilities in the fields of math and science.

The program will help African American, Latino, and American Indian urban high school students explore the engineering, math and science fields of study in an attempt to increase their likelihood of pursuing further education in these areas after high school graduation.

PROGRAM COMPONENTS

Hands-on Projects:

Using their engineering, math and science skills, the students will work with the guidance of WPI students to complete a hands-on project. Examples of last year's projects include the design and construction of a headphone amplifier, implementation of a Java computer program and research regarding DNA and filter design.



Tutorials:

WPI students will work individually with each student to help strengthen academic weakness, develop study skills, organize homework assignments, and develop test taking strategies. This format will also allow the students to develop relationships with WPI students allowing them to get a chance to discuss their worries, concerns and expectations regarding the college experience.

Academic Enrichment:

Classroom style sessions will be conducted on specific subjects, offered by different WPI departments. The students will learn the importance and relevance of these subjects in our daily lives (i.e. chemistry, calculus, trigonometry, algebra, etc).



SAT Preparatory:

SAT preparatory sessions will be offered through HERC, in order to assist the students in achieving competitive SAT scores needed for acceptance into college programs related to math and science.

Team Assignments:

The students will be divided into teams that will complete on a project based assignment. The final portion will include a group presentation.



College Advising:

Students in the 11th and 12th grades will participate in a module designed to help them identify appropriate colleges and offer various college preparatory support. Students will meet with Admissions representative from the WPI Office of Admissions.

WHEN AND WHERE

The M.A.S.T.E.R. program will begin on October 29th, 2008. Sessions will be held every Wednesday afternoon from 4pm to 6pm on the WPI main campus. From 4pm to 6pm, the students will be in classroom style sessions. They will learn about different majors while also working on an engineering project/problem through out the program presented by an actual company in the industry. Refreshments will be served during sessions.

Applications are due by **October 6th, 2008** and are available online at

www.wpi.edu/Admin/Diversity/K12/Master .