



# COLLEGE OF EDUCATION

## **Position Title:** Summer Mathletics Camp Assistant Instructor

**Positions available:** 3

**Employer:** The Maryland Institute for Minority Achievement and Urban Education (MIMAUE, the “Institute”) in the College of Education, University of Maryland

**Position Description:** The Maryland Institute for Minority Achievement and Urban Education in the College of Education is looking for highly motivated, energized, and knowledgeable undergraduate STEM majors to assist certified teachers as they teach mathematics to approximately 50 high-performing middle school girls and boys in Mathletics. This position requires that the undergraduate student is adept at engaging students through individual and group activities that are academically relevant for students.

**When:** Program will be offered July 1-July 19, 2018. The Mathletics assistant instructor’s day will begin promptly at 8:30am and end at 5pm. Assistant instructor must be available for three training day sessions in mid-June and for program debrief during the last week in July 2019. Camp will not meet on Thursday, July 4<sup>th</sup>.

**Program goal:** Through a unique mix of mathematics instruction, problem-solving activities, mathematics modeling and application activities, and athletics, the Mathletics camp teaches underrepresented minority students data analysis and exposes students to new and exciting above-grade level mathematics concepts. The camp curriculum will utilize numerous problem- based mathematics resources. While the morning sessions focus on learning mathematical concepts, the afternoons reinforce academic concepts through sports activities.

### **Academic Assistance Responsibilities**

- Work cooperatively with lead certified teacher to teach students data analysis
- Teach mathematical concepts in a way that leads students to a final end-of-camp project such as the following:

- Choosing and using appropriate mathematics and statistics to analyze empirical situations, to understand them better, and to improve decisions
- Building functions that model relationships between two quantities
- Investigating patterns of association in bivariate data
- Constructing, comparing, and interpreting linear, quadratic, and exponential
- Understanding statistics as a process for making inferences about population
- Assist teachers in classrooms of 25 students
- Work individually or in small groups with students to ensure they are fully grasping material, as necessary
- Enforce rules and disciplinary action, as necessary

### **Athletic and Administrative Responsibilities**

- Actively engage students in organized sports (e.g., basketball, volleyball, flag football, kickball, etc.)
- Make brief presentation to student participants about various STEM careers, particularly those which require a strong background in mathematics and statistics

### **Qualifications**

- Earning bachelor's degree in STEM-related major
- English fluency
- Passionate about working with minority youth
- Ability to teach students in small groups and work with students individually in an engaging manner

**Salary:** \$3,500 stipend

**Contact:** Submitted applications must include a current resume/CV, two professional references, including name, telephone number and e-mail address. Email this information to the following:

Stephanie Timmons Brown, Ph.D.

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