

## Tuskegee University Hosts the 2018 STEM Summer Academy - July 2-27, 2018

A free Summer Program for high school students and teachers on the Campus of Tuskegee University to Explore, and discover STEM through Aerial Drones Technology.

**S: Science**

**T: Technology**

**E: Engineering**

**M: Math**



### Academy Description:

The STEM Summer Academy is a summer enrichment program on the campus of Tuskegee University to engage high school students in activities to gain technology experiences and build problem solving skills through the use of aerial drones. Under the guidance of Tuskegee faculty mentors, students will work in teams to:

- Investigate and design solutions to community-based problems using aerial drones.
- Learn Math, Science and Technology concepts through Project Based Learning.
- Learn about technology-related career opportunities.
- Develop professional and leadership skills.
- Communicate their experiments and work with others.

The Academy features a collaborative setting for participants to learn technology concepts and have fun at the same time!

As students perform their investigations, participating teachers will write lesson plans based on their Academy observations to infuse in their instruction during the school year.

\*Lunch and snacks will be provided\*

### Academy Benefits:

- Students will gain problem solving skills and valuable academic and career knowledge.
- Teachers will learn innovative ways to teach Math, Science & Technology skills.
- Each student will receive a stipend up to **\$1,000** for the full Academy.
- Each teacher will receive a stipend up to **\$2,000** after completion of the full Academy, additional **\$1,000** after submission and approval of lesson plan implementations during following school year.

### Academy Questions should be Directed to:

Dr. Hira Narang, Head, Dept. of Computer Science, Tuskegee University:  
[hnarang@tuskegee.edu](mailto:hnarang@tuskegee.edu), 334-727-8021.

### Academy Eligibility:

#### 1) Students

- Be a U.S. citizen, national or permanent resident.
- Be a rising 10<sup>th</sup>, 11<sup>th</sup> or 12<sup>th</sup> grader.
- Have a High School GPA of 3.00 or higher.
- Be committed to participate in all Academy activities.
- Must not have participated in 2016, 2017 Drone Academy.
- **Students on the Tuskegee University dual enrollment track exceed the qualifications for this program and are ineligible to apply.**

#### 2) Teachers

- Be a certified Math or Science teacher.

### Academy Schedule:

- The Academy will be held at Tuskegee University July 2-27, 2018.
- Students will participate in the Academy Monday-Friday, 9AM - 4PM.
- Timely pick-ups and drop-offs of students are the responsibility of parents and guardians.
- Drop-Off: 8:45AM; Pick-Up: 4:15-4:45PM.
- Location: Andrew F. Brimmer Hall, Room 306

### How to Apply?

- 1) If you do not have a copy of the application form, please visit the Drone Summer Academy website to download the application forms:  
[https://www.tuskegee.edu/programs-courses/colleges-schools/cbis/computer-science/itest\\_drone\\_academy](https://www.tuskegee.edu/programs-courses/colleges-schools/cbis/computer-science/itest_drone_academy)
  - 2) Complete the Academy application form. Students need to submit their transcripts along with the application form. Submit all documents by **email** or **Fax** as follows:  
**By Email:** Dr. Cassandra Thomas  
[cthomas@tuskegee.edu](mailto:cthomas@tuskegee.edu)  
**By Fax:** Computer Science Dept. (Mrs. Patterson) Fax: 334-724-4389, Phone: 334-724-4593  
Email: [spatterson@tuskegee.edu](mailto:spatterson@tuskegee.edu)
- Application Deadline: Thursday, May 31, 2018**  
**Notification Date: Thursday, June 14, 2018**