TUSKEGEE UNIVERSITY
Pre-College Programs
In Engineering
MITE AND MITAS

PROGRAMS
The College of Engineering (COE) offers degree programs in Aerospace Science Engineering, Chemical Engineering with an Environmental, Biochemical Engineering and Pre-Med option, Electrical Engineering and Mechanical Engineering. Each program leads to the Bachelor of Science Degree. Students may also earn a Master of Science in Electrical Engineering, System Engineering or Mechanical Engineering, Materials Science or a Ph.D. in Materials Science and Engineering.

OVERVIEW
For nearly 30 years, Tuskegee University has administered a comprehensive pre-college program designed to recruit, prepare and graduate minorities in engineering. High school rising and graduating seniors spend from one to eight weeks on campus, depending on the program in which they are enrolled, taking classes, engaging in research, attending seminars, performing experiments and attending carefully designed field trips. These activities are designed to motivate and prepare students for study and careers in engineering. Students will also have access to campus resources including computers, libraries, athletic facilities and health services.
MITE

Mentoring InTo Engineering I (MITE) is a one-week summer program designed for motivated minority rising sophomores and juniors in high school to introduce them to the exciting world of engineering. MITE offers an in depth, on-campus opportunity that allows students to participate in lectures, laboratory demonstrations, and facility tours, as well as to perform hands-on engineering projects with Tuskegee faculty, students and alumni.

Mentoring InTo Engineering II (MITE) is a one-week summer program designed for motivated minority rising seniors in high school. The program offers an in-depth, on-campus exposure for rising high school seniors. This great opportunity allows students to participate in lectures, laboratory demonstrations, and facility tours, as well as to perform hands-on discipline-oriented engineering projects with Tuskegee faculty, students, and alumni.

MITAS

Mentoring Introduction to Aviation Science (MITAS) is a one-week summer program, offered by Tuskegee University College of Engineering in collaboration with the Tuskegee Airmen Museum at Moton Airfield, Industry and Professional Organizations designed to introduce high school rising seniors and juniors to various aspects of Aviation Science. The main goals of this program are to encourage underrepresented youth to remain in school and consider a career in aviation/aerospace and raise the awareness of government and industry to the needs, and interests of underrepresented youth concerning aviation.

The curriculum includes topics in aviation history, physics of flight, powering of aircraft, airframe structure, propulsion, autonomous systems. Hands-on modules integrated in the curriculum include dissection of engines, flight simulation, computer aided design of simple aircraft parts, fabrication of airplane wings using 3D printing, assembling, and testing of model airplane and rockets.

All MITE and MITAS participants are required to pay a $50 application fee. Upon acceptance to the program, the participants will be responsible for an enrollment fee and any personal expenses. MITE I is offered in June and MITE II and MITAS are offered in July.

How Can You Participate in MITE?

❖ Be a rising high school sophomore, junior or senior with a 3.0 GPA or better*
❖ Letter of Recommendation
❖ Official Transcript
❖ Include a non-refundable application fee of $50 with your application (Cashier’s Check or Money Order)
❖ ACT or SAT scores (if available)

For further information contact:

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