

College of Engineering

The Campaign for
TUSKEGEE UNIVERSITY
SOLVING THE WORLD'S MOST COMPLEX PROBLEMS

Accelerating Success

ENGINEERING HAS FUELED A REVOLUTION that has transformed the world. Today, engineers have the potential to solve global challenges through innovation and invention, and tomorrow's engineering workforce is being trained at Tuskegee University.

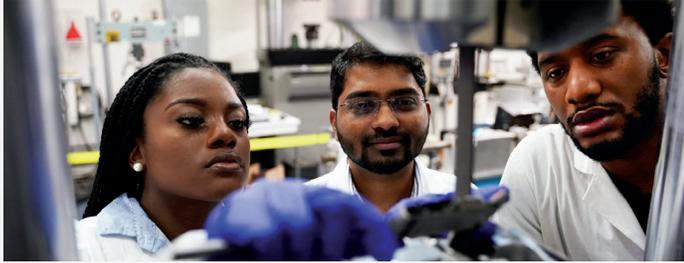
The College of Engineering is engaged in disruptive, energy-related research to address global energy technology needs. Faculty are advancing cybersecurity measures and developing

nanomaterials that are lighter, more flexible, and affordable. Students are using additive manufacturing technology to build at home and for future planetary exploration.

We are preparing students for competitive, high-growth careers in artificial intelligence, advanced materials and manufacturing, tactical autonomy, mechatronics and robotics, energy storage and power generation, and laser technology.

With your support, we can accelerate success for our students, faculty, and world.

Here's How *You* Can Partner With *Us*



CAMPAIGN FUNDING PRIORITIES

The College of Engineering has always educated the bold thinkers and highly skilled engineers who bring new perspectives to engineering. Today, complex challenges are changing the field. What were once distinct, siloed disciplines are now collaborative teams of interdisciplinary professionals and leaders, expecting hands-on experience. This is the new standard. To remain at the forefront of this dynamic industry, we must prepare now.

Pillar 1: Academic Excellence and Workforce Preparation

Strengthen Foundational and Applied Research | Goal \$5 million

To strengthen our research efforts, provide additional real-world opportunities for students, and attract funding from industry and government, our goal is to establish **three endowed research professorships in aerospace, mechanical, and electrical engineering.**

In addition, philanthropy can support new highly sought-after degree programs that include a **bachelor of science in nuclear engineering** and a **new graduate program in materials science**, a field with a 10% annual growth rate. We also aim to **expand and grow existing doctoral programs.**

These strategic investments in academic excellence will help our university earn the prestigious Carnegie Foundation R2 designation that signifies a deep commitment to research spending and training of doctoral students.

Pillar 2: Campus Re-envisioning and Revitalization

Building for the Future | \$90 million

Imagine a building renaissance on the historic Tuskegee University campus that includes:

- **Major capital expansion of Luther Foster Hall**, with labs, multipurpose conference rooms, lecture halls, and office space
- **Renovation of Douglas Hall to create a “Core of Cadets” facility**, serving the academic and residential needs of our Reserve Officer Training Corps (ROTC) students. Tuskegee University is the only HBCU to proudly offer ROTC programs for all branches of the U.S. military, including the Space Force.
- **Transformation and renaming of Wilcox D into the Lonnie Johnson Research Center** to honor distinguished alumnus Dr. Lonnie Johnson, '73 BS, '75 MS, '18 Ph.D. and focus on sustainable energy generation, energy storage, enabling technology for super conductors and quantum computers, and other initiatives to drive student research experiences, funding pitches, and student start-ups

Our plans are ambitious—even audacious—but we must dream bigger dreams to create a multidisciplinary environment to tackle the world's toughest challenges. Donors have multiple options for supporting these hallmark projects and securing a legacy at Tuskegee University.

The world *needs* the Tuskegee University *College of Engineering*



Pillar 3: Community

Opening Doors to Student Success | Goal \$5 million

Our students bring ambition, a powerful work ethic, and incredible potential to Tuskegee University. They also bring a wide range of skills, with some students needing additional academic support.

Consider a gift to support:

- **Structured peer tutoring programs** including an **advanced artificial intelligence-enabled student assistant to deliver personalized math tutoring 24/7**
- **Seminars and workshops** focusing on problem-solving skills, time management, leadership, and entrepreneurship
- **A video conferencing platform for virtual student/industry interactions** to facilitate internships, co-op opportunities, and career placement

By bringing together the full suite of resources in a **Science and Engineering Resource Center**, we will put all students on a path to success.

ABOUT 5% OF ENGINEERS in the United States are Black (*Pew Research Center*)

TUSKEGEE UNIVERSITY RANKS NO. 1 in Top Performers on Social Mobility in Regional Universities South (*U.S. News & World Report 2025*)

TUSKEGEE UNIVERSITY OFFERS THE ONLY AEROSPACE SCIENCE ENGINEERING ABET- accredited program at Historically Black Colleges and Universities (HBCU) and is the No. 1 producer of Black aerospace engineers

FAMOUS ALUMNI INCLUDE DR. LONNIE JOHNSON '73 BS, '75 MS, '18 PH.D., a former NASA scientist, entrepreneur, energy company founder, and inventor with 140 patents, including the Super Soaker®, one of the most popular toys of all time



Engineering
Accreditation
Commission

Pillar 4: Sustainability

FASTREC Endowment | \$6 million

Our **Freshman Accelerated Start-up and Training for Retention in Engineering Curricula (FASTREC)** has prepared students for a rigorous education, delivering a graduation rate that is 25% higher than that of non-FASTREC students. The program's efficacy is unsurpassed, but limited funding means that only a limited number of incoming students can participate.

Gifts to the **FASTREC endowment** will enable more students to attend this summer STEM and engineering prep program. An investment in FASTREC will impact students in profound ways, ultimately strengthening urgently needed professions.



CHANGE THE WORLD WITH US

Studying at the College of Engineering—in aerospace science engineering; aviation science; chemical, electrical, and computer engineering; materials science; mechanical engineering; and military science—changes lives, while changing the world.

From artificial intelligence to advanced materials to infrastructure renewal to health care technology, problem-solving has always been at the core of the field of engineering. And real-world problem-solving is at the heart of Tuskegee University engineering degrees.

Our students have the talent to thrive. Our community is filled with bold thinkers, disciplined practitioners, and dynamic leadership. **Now, we need you.** Please join us on this ambitious new chapter for the College of Engineering.

For more information on **The Campaign for Tuskegee University**, please contact:

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Honoring our Past...Investing in Our Future

#theTuskegeeWay

The world needs Tuskegee. Tuskegee needs you.

Help us solve the world's most complex problems by supporting **The Campaign for Tuskegee University**. Every gift will make an impact:

- Advancing knowledge, leadership, and service through teaching, research, and outreach programs
- Developing human resources and preparing students to be leaders in the global community
- Producing leaders ready to solve the world's most complex problems

Invest in a brighter world and a better future with Mother Tuskegee.



TUSKEGEE
UNIVERSITY