

**Georgia**  
**Tech**  **College of**  
**Engineering**

STRATEGIC DIRECTION  
*ADAPT & ACCELERATE*



# Adapting to a Changing World

Spring 2021

Our world is changing and so is the College of Engineering.

Today, we are adapting to life during a global pandemic, keeping the health and well-being of our community as the top priority. We've developed new methods of hybrid teaching to keep faculty and students engaged. Our research operations have safely continued, fueling technological innovation across the Institute. And, the call for change in the face of social inequities across our nation has prompted the College to reexamine what it means to be truly inclusive, not just in our words, but in our actions.

In the face of unprecedented change, our community has pivoted, coming together to accomplish amazing feats and overcome challenges believed to be insurmountable. To me, this is the definition of resilience. I am proud to be part of a community that has met each problem with a solution, to not just survive it, but to thrive in spite of it. It's what engineers do.

As the landscape and expectations of higher education continue to change, the College must clarify and focus our direction for the future. Our Strategic Direction guides how we can better serve our students, support our community, and foster innovation across the College. We will remain resilient as new challenges come our way, nimbly adapting with a strategic plan that not only guides our College, but changes with us. Further, our plan remains closely aligned with the Institute's mission to develop leaders who advance technology and improve the human condition. We echo Georgia Tech's core values of impact,



innovation and access, which serve as guiding principles as we establish the commitments of the College.

The College is successful because of its people, and we hope you will join us in turning this Strategic Direction into a reality as we look to a brighter future.

Sincerely,

A handwritten signature in black ink that reads "Raheem A. Beyah".

**RAHEEM BEYAH**

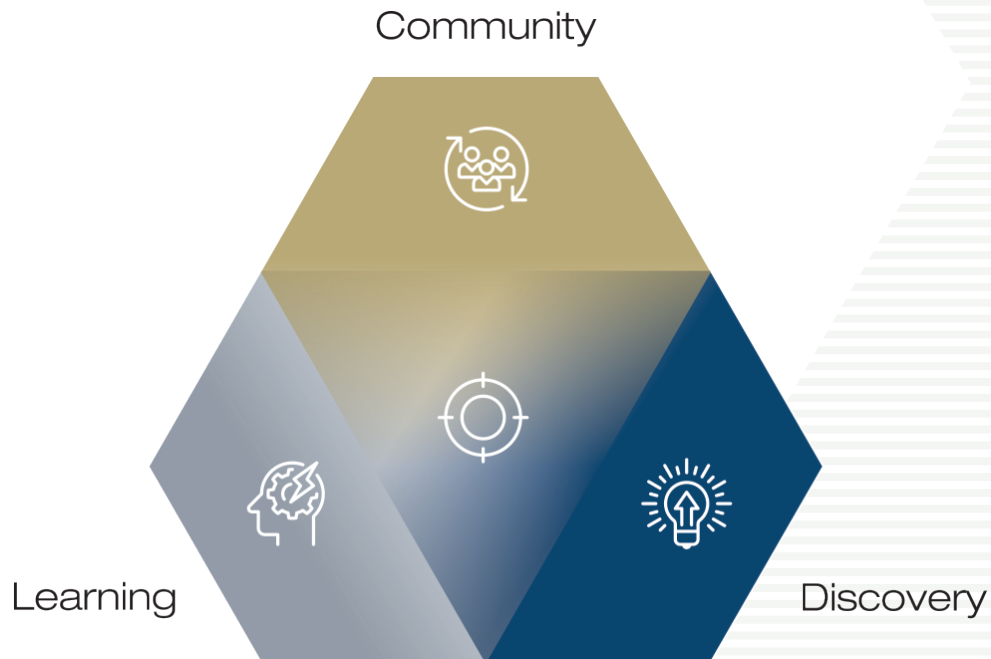
DEAN & SOUTHERN COMPANY CHAIR  
GEORGIA TECH COLLEGE OF ENGINEERING

# OUR VISION

**Georgia Tech's College of Engineering believes that transformational research and education are fundamental to human progress.**

**Our aspiration is to generate talent, ideas and solutions with unmatched impact and scale.**

We lead in defining and solving the most complex problems facing our world, today and tomorrow. Our collective purpose is to inspire and prepare a community of inclusive and community-driven engineering students and faculty. And our research efforts seek to find solutions to complex global issues through rigorous engineering practices.



# OUR COMMITMENTS



## Community

### **INCLUSIVE**

An **inclusive and collegial community** that embraces differences among members and the authenticity of individuals

### **IMPACTFUL**

A **commitment to service and social impact**, starting with our local community and expanding outward



## Learning

### **TRANSFORMATIVE**

The aspiration and motivation to **revolutionize teaching, learning and research**

### **TRAILBLAZING**

**Knowledge cultivation** guided by a creative engineering mindset, strong work ethic, and a respect for rigor



## Discovery

### **CREATIVE**

Exceptional **research, discovery and innovation** across a broad spectrum of disciplines

### **COLLABORATIVE**

The **integration of engineering** into economic sectors, industries and society as a whole

# CORE STRATEGIES



## Community

### **Ensure a highly diverse corps of faculty and staff, retained through reward, recognition and development**

#### O B J E C T I V E S

- Incentivize and provide pathways for faculty and staff to lead and innovate
- Create a desirable workplace by promoting respect, engagement and success

### **Build and sustain an inclusive, collegial community among students, faculty, staff and alumni**

#### O B J E C T I V E S

- Increase the awareness of and investment in the value of individuals as members of the College family
- Increase inclusivity and culture among faculty, students, staff and alumni



## Learning

### **Provide students with intentional and comprehensive support**

#### O B J E C T I V E S

- Increase utilization and impact of programs and services that support health and well-being for students
- Improve the quality and effectiveness of advising

### **Create and sustain relevant, effective ways for students to learn**

#### O B J E C T I V E S

- Improve the relevance and impact of the classroom experience



## Discovery

### **Forge productive and impactful partnerships**

#### O B J E C T I V E S

- Increase interactions with external partners to *engage* opportunities beyond the scope of a single organization
- Enhance the efficiency and impact of the technology transfer pathway

### **Conduct imaginative and influential research**

#### O B J E C T I V E S

- Foster fearless innovation in research



# College of Engineering

## RANKINGS

# #4

undergraduate  
engineering program

# #8

graduate  
engineering program

# #1

...in engineering degrees awarded to minority and female students  
...in engineering doctoral degrees awarded to African-Americans  
...producer of engineering Ph.D.'s in the country

## STUDENTS

# 8,042

undergraduate  
engineering students,  
Fall 2020

# 8,398

graduate  
engineering students,  
Fall 2020

# 336

engineering Ph.D.'s  
graduated,  
2019-2020

# 32%

engineering students  
who are women

# 36%

engineering undergrads  
participating in research

# 46%

engineering undergrads  
who co-op or intern before  
graduation

# 56%

engineering undergrads who  
have an international experience  
before graduation

## FACULTY/RESEARCH

# 540

engineering academic  
faculty, Fall 2020

# 2M

square feet of research/  
instructional space

# 1,332

number of funded  
research projects, FY19;  
**\$235.3M** total funding

For updates on the College of Engineering strategic direction,  
visit [coe.gatech.edu/vision](http://coe.gatech.edu/vision)

For details on Georgia Tech's strategic plan,  
visit [gatech.edu/about/ethics](http://gatech.edu/about/ethics)

U.S. News & World Report national rankings (UG rankings: September 2020, GR rankings: March 2020)  
American Society of Engineering Education (ASEE) and Diverse: Issues in Higher Education



## OUR LOCATION

Georgia Tech is located in the heart of Atlanta, a cosmopolitan city steeped in tradition. What began as the epicenter of manufacturing in the South grew to later become a bedrock for the civil rights movement. Today, the city serves as a hub for international business and technological innovation.

**Georgia Tech**  **College of Engineering**

[coe.gatech.edu](http://coe.gatech.edu)