

## Case for Support

Supporting the Dr. Carol Espy-Wilson STEM Scholarship Initiative is more than an investment in scholars with a proven aptitude for their respective area of scientific study, it is an integral part of strengthening the Division of Science and Mathematics—one of three of the College's successful academic divisions dedicated to providing an educational environment focused on issues of pedagogy, student assessment, curricular design, advisement and student achievement. Explicitly, this scholarship aims to:

- Increase the number of Morehouse students pursuing graduate degrees in the sciences, mathematics and engineering
- Influence scholarly, scientific activities emphasizing strong student-faculty and alumni interaction that includes seminars, courses, multidisciplinary initiatives and research-based mentoring
- Intensify student recruitment and research

For nearly 150 years, Morehouse College has been a beacon of academic excellence for African American men and an educational landmark that encourages leadership, self-discovery and innovation. With more than one-third of its students declaring STEM majors, the College also leads the nation in the preparation of African American men for careers in the sciences, engineering, computer science, and mathematics.

The Dr. Carol Espy-Wilson STEM Scholarship Initiative is designed to increase minority students' participation in emerging scientific and technology fields, while complementing the College's existing science programs and research initiatives. Ultimately, this award will honor distinguished alumni, while continuing Morehouse's longstanding legacy of preparing African American males for leading positions in a variety of disciplines and STEMulating some of the world's greatest scientific minds.

## STEM Success

In the most recent 10 years [2004-2013] of data available from the U.S. Department of Education's National Center for Education Statistics:

- Morehouse was the #1 producer of black male baccalaureates in biological sciences, physics, mathematics and statistics
- Morehouse was the #2 producer of black male baccalaureates in chemistry
- Morehouse was the #6 bachelor's degree institution for black males who earn doctorate degrees in engineering [2003-2012]

"Ensuring innovative surges of strength in science, technology, engineering, arts, mathematics and entrepreneurship" is a major part of President John Silvanus Wilson's commitment to pave a pathway to preeminence and to make certain that Morehouse realizes "the world of our dreams."



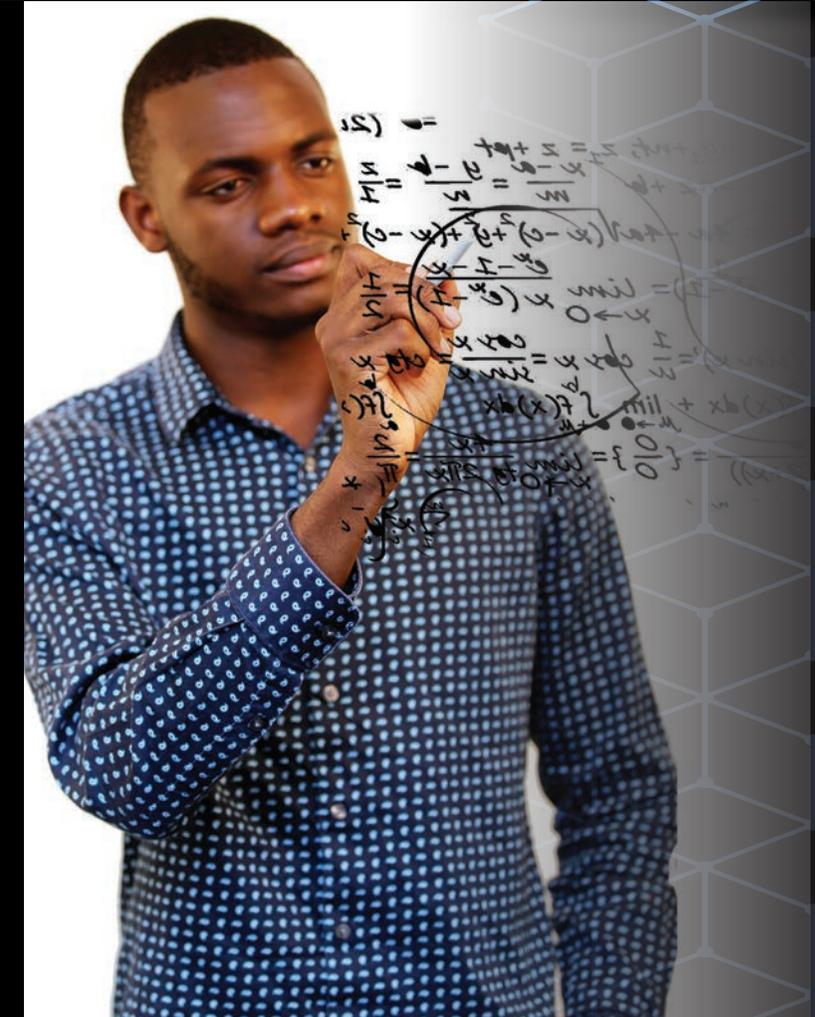
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## The Dr. Carol Espy-Wilson STEM Scholarship Initiative



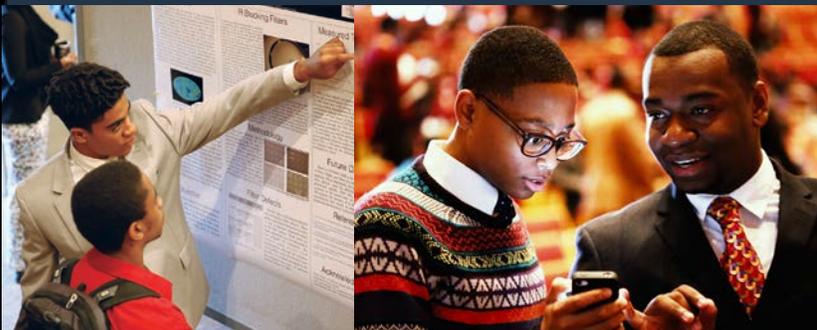
## STEM at Morehouse



By 2018, it is estimated that there will be more than 8.6 million STEM-related jobs available across the nation. And if Morehouse has its way, the College's emerging graduates from these disciplines will not only fill their share of these positions, they will dominate the market.

If this prediction sounds a bit lofty, it probably is. But at Morehouse —where rigid recruitment, masterful mentoring and innovative instruction conspire to cultivate the talents of African American scholars fixated on careers in science, technology, engineering and mathematics—it's not conceit. It's a calling.

Named for Morehouse First Lady Dr. Carol Espy-Wilson, a world-renowned engineer and electrical and computer engineering professor at the University of Maryland, the Dr. Carol Espy-Wilson STEM Scholarship Initiative will assist deserving students pursuing their undergraduate degree, as well as graduate and professional studies in one or more STEM disciplines.



## Morehouse Trailblazers

With more than **37 percent of the student body majoring in STEM disciplines** and exposed to enriched academic offerings, enhanced research opportunities and increased student-faculty interactions, Morehouse is destined to develop and train the next legion of the world's scientific leaders. After all, producing *pioneers* is in the College's DNA, as evidenced by the countless accomplished alumni who, over the decades, have excelled in their respective fields.

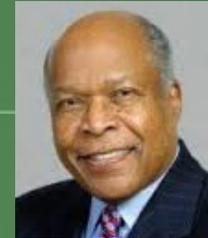


### Dr. Samuel M. Nabrit '25

Acclaimed marine biologist and the first African American to receive a Ph.D. from Brown University

### Dr. Louis W. Sullivan '54

Former United States Secretary of Health and Human Services



### Dr. Walter E. Massey '58

President Emeritus of Morehouse College. Massey carried the college into the 21st century from 1995 until 2007. Recognized scientist and an eminent university administrator.

### Roderic I. Pettigrew '72,

First Director of the National Institute of Biomedical Imaging and Bioengineering (NIBIB) at the NIH. In 2013, Pettigrew was also appointed to initiate a NIH position as the acting chief officer for Scientific Workforce Diversity



### Dr. Paul Q. Judge '98

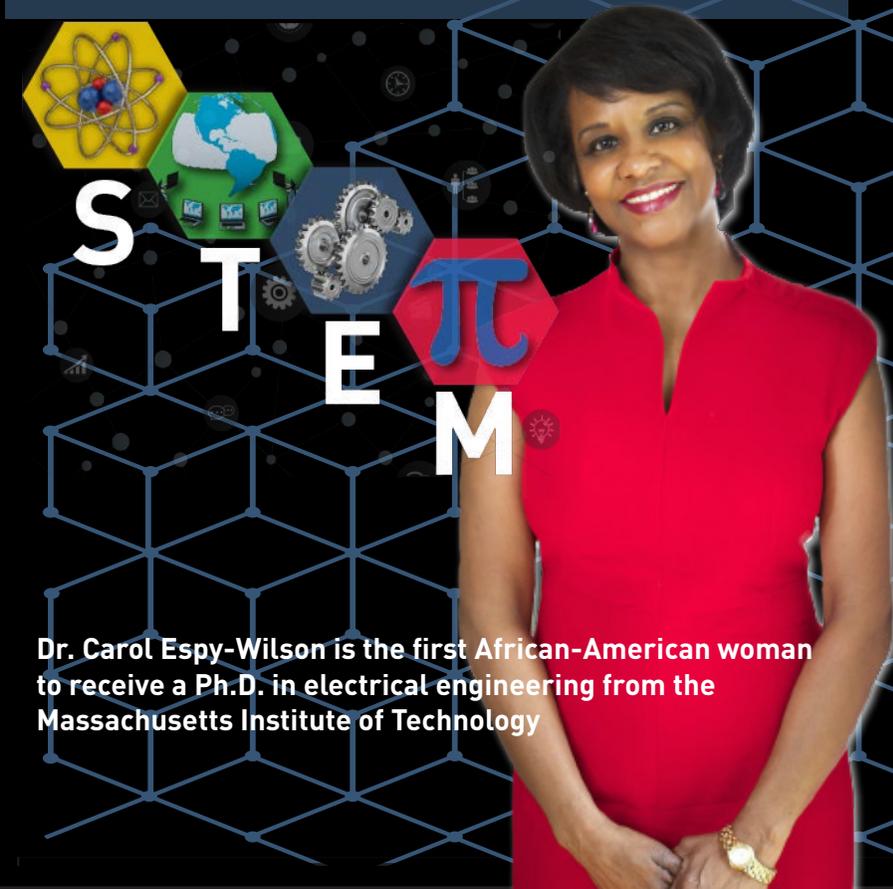
Inventor who has nearly 30 patented and patent-pending computer security technologies. He heads Judge Ventures, an investment firm that focuses on opportunities in making the Internet safe and useful.

## Scholarship Criteria

Specifically, the criteria for the scholarship will include:

- Full-time enrollment status
- Declared major in a STEM discipline /including computer science, mathematics and the physical and life sciences
- A cumulative GPA of 3.2 or above
- A demonstrated financial need
- An informed commitment to a STEM career

With an immediate goal of raising a minimum of \$100,000, this initiative will disburse one half of each contribution received for current scholarships. The remaining half of each gift will be used to build the Dr. Carol Espy-Wilson STEM Endowed Scholarship.



**Dr. Carol Espy-Wilson is the first African-American woman to receive a Ph.D. in electrical engineering from the Massachusetts Institute of Technology**