Johns Hopkins-HBCU
Biomedical Engineering Pathway

A year-long structured program to equip undergraduates with skills and preparation for biomedical engineering (BME) research careers

About Johns Hopkins University Biomedical Engineering

Johns Hopkins Biomedical Engineering (BME) has been a national leader in innovative biomedical engineering research for more than fifty years. Furthermore, their goal of developing technologies and translating discoveries for clinical use to improve health outcomes remains unwavering.

Hopkins BME interdisciplinary research areas include:

- Biomedical Data Science
- Computational Medicine
- Genomics & Systems Biology
- Imaging & Medical Devices
- Immunoengineering
- Neuroengineering
- Translational Cell & Tissue Engineering

To learn more about Hopkins BME, visit **www.bme.jhu.edu**

What is the Hopkins-HBCU BME Pathway?

Morgan State University and Coppin State University students will engage in mentored research with Hopkins faculty. The program will also implement high-impact practices that emphasize collaboration, problem-solving, data analysis, and scientific communication. The Hopkins HBCU BME Pathway's mission is to demystify biomedical careers and prepare participants for future graduate studies.

Program Eligibility

Applicants must meet the following criteria:

- Be currently enrolled or have confirmed enrollment, at Morgan or Coppin, upon start of the program
- Be a sophomore, junior, or non-graduating senior
- Major in physical, biological, or computer sciences, or engineering
  - Minimum course requirements can be found on application
- Hold a minimum cumulative GPA of 3.0 on a 4.0 scale

No prior research experience is required, but applicants must demonstrate a strong interest in BME research.

Important Dates

Application available
December 1, 2022

Application deadline
February 1, 2023

Notifications
TBD

How to Apply

For more information and to apply, contact the Office of Undergraduate Research at **OUR@morgan.edu**.

Curriculum

Spring 2023 - Onboarding
- Expectation setting
- Student participation in lab meetings

Summer 2023 - Research
- 10 weeks, $5,000 stipend
- Project tasks, skill-building, & data collection

*Fall 2023 - Reporting
- Student-directed data analysis and synthesis
- Scholarly publication process training

*Potential to earn course credit at home institution

Participating JHU Faculty

Alexis Battle
Jeremias Sulam
Jude Phillip
Justus Kebschull
Laura Ensign
Elana Fertig
Paulette Clancy
Pedro P. Irazoqui
Sangmoo Jeong
Thi Vo
Warren Grayson