My Pathway to STEM
“I probably would have been an engineer if I knew what one was.”

- Baltimore City Public Schools teacher

EMPOWER

Be the change you wish to see in the world
Vision – Increase the number of underrepresented youth pursuing STEM careers

Mission – Engage JHU faculty and students to inspire and prepare K-12 students in STEM education and careers
Strategy – Focus on Baltimore City Public School students while growing our Engineering Innovation summer program for high school students nationally
Engineering Innovation (EI)

• Four-week, hands-on, college-level course for high school students
• Mechanical, electrical/computer, chemical, civil, and materials engineering
• Fifteen locations throughout the country
• Six locations in Maryland & DC (Laurel, Baltimore, Frederick, Rockville, DC)
• Potential to earn college credit
Engineering Innovation (EI)

- Students need to have completed algebra 2, trigonometry, and either chemistry or physics
- Engineering FUNdamentals – a FREE one week program for local students
- Needs-based financial assistance provided
- Application Fee – waiver available
Engineering Innovation (EI)

• Application available online starting December 15, 2018
  • 250 word essay
  • Official high school transcript with fall semester grades
  • Teacher recommendation
  • Financial aid information
Engineering Innovation

- Email ei@jhu.edu to receive promotional materials to share with students or asked to be added to our mailing list.
- Invite a member of the EI team to visit your classroom to discuss engineering careers and provide information about EI.
- Consider serving as an EI Teaching Fellow
Resources for Teachers

- Hopkins STEM Education Program
- CEO Website
  - [https://engineering.jhu.edu/outreach/](https://engineering.jhu.edu/outreach/)
  - CEO Newsletter (Sign-up on our website)
- JHU Applied Physics Laboratory (APL) STEM Office
  [https://www.jhuapl.edu/STEM](https://www.jhuapl.edu/STEM)