



Project Goal

- To create accessible pathways for future biotechnicians to progress from public high schools to AS degrees at Harford Community College (HCC) to biotechnology careers or further study at four-year institutions.

Project Objectives

- Develop the AS in STEM-Biotechnology degree and Biotechnology Certificate programs to align with industry skills, knowledge, and competencies.
- Increase student enrollment and completion in HCC biotechnology programs, with an emphasis on recruiting underrepresented students, via hands-on community outreach with high school students and their families. Outreach will also include information regarding academic and career opportunities in biotechnology.
- Ensure that every HCC biotechnology student possesses the professional, field-specific, and career-readiness skills to succeed in biotechnology employment.

Collaborators

- The Biotechnology Advisory Board includes representatives from Harford County Public Schools, the University of Maryland Baltimore County-Shady Grove, InnovATEBIO, and industry partners from the BioHealth Capital Region.

Planned Year 1 Activities

- Convene the Biotechnology Advisory Board to inform HCC's biotechnology program and curriculum development in alignment with industry needs.
- Complete program and curriculum development for the AS in STEM-Biotechnology degree and Biotechnology Certificate programs at HCC.
- Engage high school students, their families, and STEM teachers in hands-on workshops and summer programs to increase their knowledge about the field of biotechnology, academic and career options in biotechnology, and HCC's biotechnology programs.

BIOTEC Pathways Team

- PI Jaclyn Madden, jmadden@harford.edu
- Co-PI Dr. Pamela Pape-Lindstrom, ppapelindstrom@harford.edu
- Co-PI Dr. Susan Walker, swalker@harford.edu
- Senior Personnel Breonna Martin, brmartin@harford.edu

