



BioTeach (2022-2023 school year)

- + **4,500** students served in ACCESS
- + **100%** ACCESS schools are economically disadvantaged
- + **75%** ACCESS students are people of color
- + **93%** teachers have increased confidence executing labs

BioTeach Program

- + Second year of Student Summer Training Program in collaboration with the LEAH Project and LabCentral, provided high school students from Revere, Quincy, Everett, and Boston with hands-on laboratory and career exploration activities
- + 2022-2023 school year: 115 teacher enrollees participated in professional development workshops, representing over 50 schools impacting over 5,000 students
- + March 2023: Presented BioScann workshop at the National Science Teachers Association Conference

Life Sciences Apprenticeship Program

- + 30 apprentices began training in cohorts for Biomanufacturing Technicians and Lab Support Specialists (a new occupation track)
- + Additional Biomanufacturing Technician apprentices recruited to start training in the Fall
- + 82% of 2022 apprentices continue to work for their original employers
- + Since 2022:
 - o 144% wage increase - from apprentice wage prior to the program start to current wage in OJT
 - o 91% of apprentices who started the program transitioned to on-the-job training

Apprentices

- + **70%** are people of color
- + **53%** are female
- + **50%** were previously unemployed



Lab Support Specialist apprentices at Northeastern University

Life Sciences Workforce Conference

- ✦ The 2023 Massachusetts Life Sciences Workforce Conference was held in May at UMass Boston
- ✦ 35 speakers and panelists from academia and industry led three panels on building and sustaining a diverse and talented life sciences workforce
- ✦ Industry/Educator Advising session - teams learned from each other and advised on curriculum

Conference

- ✦ Over **400** people attended
- ✦ 24 teams from Industry met with 24 teams from higher education and workforce
- ✦ The **2023 Massachusetts Life Sciences Employment Outlook** was released providing up-to-date information on employment trends and supply-and-demand analysis

Life Sciences College to Career

- ✦ Four events at UMass Boston, Takeda, and Fitchburg State
- ✦ 125 students served
- ✦ 110 advisors and faculty trained
- ✦ 153 volunteers

Professional Training Courses

- ✦ Over 335 industry professionals participated in 15 trainings
- ✦ On-site company training provided for four organizations

"I enjoyed the Intro to Biotech course because it provided a clear and comprehensive overview of the biotechnology field, helping me understand better its fundamental concepts. It was incredibly beneficial in improving my understanding of biotech as a whole. Also, the instructors were really nice and very knowledgeable."

Staff Spotlight



Brian Souza joins MassBioEd as the new Vice President of Operations and Workforce Development. Souza has 25 years of leadership experience in healthcare, nonprofits, and philanthropy, focused mainly on expanding access and quality, supporting and building the capacity of the healthcare workforce, and building collaborative infrastructure for policy and health systems transformation. Brian has worked in community-based services, philanthropy, hospitals, community health centers, learning and development, research, government, and in-payer organizations. Most recently, Brian led Intend Health Strategies, a national nonprofit organization focused on professional and workforce development in the healthcare sector.