

GLOUCESTER BIOTECHNOLOGY ACADEMY
CELEBRATING 10 YEARS

The new Boston campus of Gloucester Biotechnology Academy | At a Glance

Gloucester Biotechnology Academy is the vibrant educational entity of Gloucester Marine Genomics Institute (GMGI). Our Biotechnology Certificate program prepares students for careers as entry-level technicians in cutting-edge laboratories.

In addition to our Gloucester location, in 2027, we will open a second campus in Boston.

Program Highlights:

- 6 months of immersive, hands-on bench training at the Academy's Boston campus
- Modern laboratory techniques with authentic industrial workflows
- 480 hours in the lab, learning challenging protocols and techniques
- Career skills that prepare students for the professional work environment
- 3- or 6-month paid co-ops with prestigious biotech companies

Interested in learning more?

Contact Laura Richane at laura.richane@gmgi.org

https://gmgi.org/education

Semester One

Focuses on weighing, measuring, and fundamental molecular biology techniques, including DNA extraction, amplification, and cloning.

Key Equipment

- Thermocyclers
- UV-Vis plate reader
- Spectrophotometers
- Liquid handler
- DNA quantitation
- Electrophoresis

Semester Two

Applies lab skills to core biomanufacturing techniques such as cell culture, protein purification, and bioanalytics.

Key Equipment

- Fermenters
- Single-use bioreactors
- Mammalian cell lines (HEK, CHO-K)
- Column chromatography (FPLC)
- High Pressure Liquid Chromatography (HPLC)

Career Skills

Taught by industry experts, our career skills curriculum includes:

- Communication skills
- Job search strategies
- Financial literacy
- Professional etiquette

Prestigious organizations and institutions throughout eastern Massachusetts partner with Gloucester Biotechnology Academy to access top talent.

Lonza

Dana-Farber Cancer Institute

New England BioLabs Inc.

Harvard University

Ginkgo Datapoints

batl

Gloucester Marine Genomics Institute

momentum Biotechnologies

kelonia

Institute for Protein Innovation

Massachusetts General Hospital
Founding Member, Mass General Brigham

Outer Biosciences

Seismic Therapeutic

Graduates have been hired into roles such as:

- Research Associate
- QA/QC Associate
- Manufacturing Support
- Associate Scientist I
- Process Development Technician
- Lab Technician





