

NEW!

BIOMANUFACTURING TRAINING PROGRAM

The RSTA Biotechnology Program is Expanding!

What is Biomanufacturing?

Large-scale production of therapeutic proteins (aka biologics)

Eleven of the 12 FDA-approved biologics came from companies located in Massachusetts! (2015)

Hit the ground running!

Enter the Biotech workforce after two years of training (Associates Degree).

Continue with an advanced degree and help shape the future of Biomanufacturing!



BIOTECH JOBS

Entry Level Biotechnology Jobs in Massachusetts (March 2016 – February 2017)

Occupation	Total Jobs	Median Salary
Researcher Associate	500	NR
Chemist	263	\$62,124
Laboratory Technician	184*	\$41,798
Chemical/Process Engineer	167	\$80,396
Biostatistician/Statistician	136	\$74,543
Quality Control Analyst	119*	\$53,970
Biological Technician	115	\$46,617
Clinical Research Coordinator /Manager	103	\$80,431
Laboratory Technologist	91	\$60,495
Sales Representative	83	\$77,662
Manufacturing/Production Technician	64*	\$52,750
Project Manager	50	\$95,244
Chemical Technician	47*	\$43,929
Quality Inspector/Technician	40*	\$40,322
Clinical Pharmacist	33	\$122,571
Database Administrator	31*	\$80,488
Regulatory Affairs Specialist	30	\$61,203
Validation Engineer	29	\$71,263
Data/Data Mining Analyst	27	\$76,332
Biochemist	27	\$69,166
Document Control/Management Specialist	26*	\$38,012

***Minimum degree required: Associates Degree**
Source: MassBioEd. (2017, May 5). 2017 Life Sciences Entry Level Jobs Report. Retrieved from https://www.massbioed.org/writable/files/JobTrends/2017_entry_level_report_final.pdf

For More Information Contact:

Joan Abrams, Ph.D.
RSTA Biotechnology Program
459 Broadway
Cambridge MA 02138
jabrams@cpsd.us
(617) 349-6659



RSTA Biotechnology Program

Cambridge Rindge and Latin School



"RSTA Biotechnology students are competitive applicants to the Broad Summer Scholars Program. Their impressive skill set allows them to contribute to a research project in a meaningful way with minimal training."

Rachel Gesserman, Education and Outreach Program Manager, Broad Institute

DID YOU KNOW?

"Massachusetts is the number one hub for life sciences in the world."

-Massachusetts Biotechnology Council

There are 154 Biotech companies in Cambridge!

RSTA Biotechnology Program:

- All courses are Science Electives with Honors Credit
- RSTA Exploratory is **not required** to enroll in Biotech 1
- Qualified juniors and seniors may enroll **directly** into Biotech 2
- Biotechnology fulfills multiple graduation requirements:
Biology*, PE**, Art!***
- A personalized lab coat is awarded upon completion of the

*Level 2

**3-week embedded Physical Education

***Technical Arts



RSTA BIOTECH BENEFITS

Lab Skills & Latest Techniques

- Work in a state-of-the-art laboratory
- Earn Certificate of Proficiency in Biotechnology
- Cell culture, cloning, DNA & proteins, etc.

Authentic Research

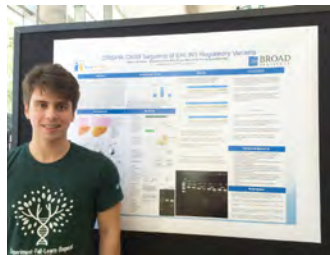
- Ask questions, design experiments, analyze data, present your work!
- Engage in semester research projects and summer internships

College Preparation

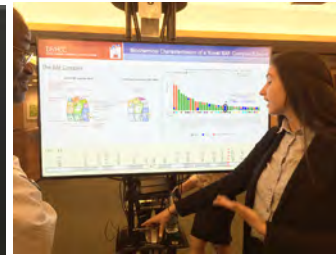
- Honors credit for all Biotech courses
- College credit upon completion of the three-year program (Articulation Agreements)

Networking!

- Meet scientists - guest speakers/field trips
- Explore careers
- Biotech company projects
- Conduct informational interviews



Nico, Broad Institute



Nora, Dana Farber Cancer Institute



Anders, Mass. State Science Fair



Kelly & Lukas, BioBuilder/Lab Central

RSTA BIOTECH GRADUATES

- Concordia University, Montreal
- Wesleyan University
- Washington University
- University of Pennsylvania
- University California, Santa Cruz
- University of Miami
- University of Massachusetts, Lowell
- Northeastern University
- University of Massachusetts, Boston



Biotech Level 3 (2017)

Summer Internships and Training

- Broad Institute
- Dana Farber Cancer Institute
- Massachusetts Institute of Technology
- Harvard University
- Tufts University
- AB Biosciences
- BioBuilder
- Biogen
- Draper Laboratory

