

HIGH TECH HANDS ON TRAINING

- Do you enjoy working with your hands?
- Do you want to work in a laboratory environment?
- Are you interested in producing and purifying medicines made by the pharmaceutical companies?

Laney's Biomanufacturing Program is a career ladders model. Students can get an entry level job with a one semester Certificate, then keep coming back to augment their skills and move up the career ladder.

There are more than 200 Biotechnology and Biomanufacturing companies in the Bay Area. These employment sectors are growing and require the development of new skill sets for workers. From production to purification of medicines, quality control to compliance with regulation, the Laney Biomanufacturing program is committed to teaching the skills for building successful careers.

BIOTECH AND BIOMANUFACTURING JOBS

Manufacturing and Production

-Ex. Material handlers, manufacturing assistant or technician, instrumentation and calibration technicians

Quality Control/Quality Assurance

-Ex. Quality control technician, QA specialist or assistant

Regulatory/Government agencies

Research and Development

-Ex. Laboratory assistant, laboratory technician, greenhouse worker, animal caretakers

Sales and Marketing

-Ex. Sales rep, customer service rep, technical support rep

HOW TO ENROLL

Options to Apply for Admission

- A** Welcome Center
Building A, Room 101
- B** Admissions & Records,
Building A, Room 109
- C** Website
web.peralta.edu/admissions

FINANCIAL AID

Building A, Room 201
laney.edu/financial_aid/
Phone: (510) 464-3413
Fax: (510) 64-3418

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www.laney.edu/wp/biomanufacturing/
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Biomanufacturing



LANEY COLLEGE

900 FALLON STREET
OAKLAND, CA 94607



Biomanufacturing

Building A, Room A237

(510) 464-3444

Laney.edu/biomanufacturing

Opportunities

Both the National Association of Manufacturers and local industries cite a shortage of skilled tradespeople to fill these important positions.

Critical infrastructure needs in the water/wastewater and transportation industries, along with the growth and sophistication of Bay Area manufacturing continues to increase the demand for these skilled trades.

Quote:

"Laney's biomanufacturing program prepared me to enter into the Pharmaceutical industry as a manufacturing technician. I really enjoyed the hands on lab experiences and am able to apply everything I've learned into the workplace."

–Domingo Banaga, Associate Manufacturing Technician, Laney Graduate

CAREER OPTIONS

- Biomanufacturing
- Manufacturing and Production
- Quality Control/Quality Assurance (QA/QC)
- Sales and Marketing
- Regulatory Agencies
- Research and Development

CERTIFICATES AND DEGREES

Certificate of Proficiency in Biomanufacturing Skills (9 units)

Certificate of Achievement in Biomanufacturing (17 units)

Associates of Science in Biomanufacturing Production (14 units bioman classes and additional GE units to total 60 units)

www.laney.edu/wp/biomanufacturing/

Certificate of Proficiency (9 units)

Biol 75	Fundamentals of Biotechnology	2 units
Math 208	Math for Laboratory Scientists	3 units
Chemistry 30A	Introductory Inorganic Chemistry	4 units

Certificate of Achievement 17 units

All of the above classes plus

Biol 76	Principles of Biomanufacturing	3 units
Biol 3	Micrbiology	5 units
Total Required		43 units

Assoc of Science in Biomanufacturing Production

All of the above classes plus

Biol 72A	Biotech Instrumentation	
	Good Manufacturing Practices	1 unit
Biol 72B	Biotech Instrumentation: Clean Room	1 unit
Biol 72C	Biotech Instrumentation: PCR	1 unit
Biol 72D	Biotech Instrumentation:	
	Protein Purification and Quality Control	1 unit
Biol 74	Scientific Communication	3 units
Biol 77	Business and Regulatory Practices	3 units
Biol 79	Bioreactor Cell Culture and Protein Recovery	4 units

Total Required 14 units

Skills Attained in the Program

- Principles of good manufacturing and laboratory techniques
- Operation and standardization of basic laboratory equipment
- Microorganisms culturing, scale-up and assay
- Separation and isolation of cellular components
- Preparation of solutions and preparing sterile media
- Purification and assay of proteins

"Companies are looking for students with real, practical experience and Laney's Biomanufacturing Program gave me hands on experience with lab techniques."

– Audrey Holt, Senior Quality Associate III at Genentech, Biomanufacturing Certificate Graduate

"Laney's Biomanufacturing program prepared me to transfer to Solano college Bachelor program in Biomanufacturing as well as work in industry jobs."

–Danilo Gramajo, Laney Graduate



Laney College does not discriminate on the basis of age, race, religion, color, gender identity, gender expression, sexual orientation, ancestry, citizenship, national origin, military or veteran status, disability, marital status, pregnancy, medical condition, and immigration status.