

Regional colleges near the PACCD service area offer biotechnology programs but do not offer a stem cell-based biomanufacturing training program.

The Certificate of Achievement in Biological Technology - Stem Cell-Based Biomanufacturing includes a combination of basic science courses and hands-on laboratory classes to provide the technical training necessary to work in the biotechnology industry, specifically in laboratories performing cell-based biomanufacturing for the production of stem cell therapeutics. The program prepares students to obtain entry-level employment as biological technicians, manufacturing production technicians, quality assurance technicians, and industrial production managers.

Citrus College:

The Biotechnology Program trains students for entry-level positions as technicians in the bioscience industry such as manufacturing technicians, environmental monitoring technicians, laboratory assistant/technician, and biological technicians.

Biotechnology AS Degree, Biomanufacturing Certificate of Achievement

East Los Angeles College:

The Biotechnology Certificate Program prepares students for employment opportunities in the biotechnology sector including biomanufacturing, project management, quality assurance and quality control.

Biotechnology Certificate of Achievement

Los Angeles Mission College:

The Biotechnology Program prepares students for entry-level work in various biotechnology industries and employment in biotechnology research.

Biotechnology AS Degree, Biotechnology Lab Assistant Certificate of Achievement, Biotechnology Research Lab Assistant Certificate of Achievement

Los Angeles Trade Technical College:

The Biotechnology Certificate and A.S. Degree Program provides opportunities for students to acquire the necessary skills for a biotechnology career with an emphasis in biomanufacturing.

Biotechnology (Biomanufacturing) A.S. Degree and Certificate of Achievement

College	Program	Who You Contacted	Outcome of Contact
Citrus College	Biotechnology/Biomanufacturing	Eleanor Tsark, Ph.D.	Support
East Los Angeles College	Biotechnology	Tuyen Nguyen, Ph.D.	Support
Los Angeles Mission College	Biotechnology	Parvaneh Mohammadian, Ph.D.	Support
Los Angeles Trade Tech	Biotechnology	Martin Diaz, Ph.D.	Support

*Note: Program Directors and faculty were contacted regarding the Certificate of Achievement Biological Technology - Stem Cell-Based Biomanufacturing proposal. Support for the proposal was given by each of the Program Directors and faculty members of local biotechnology-related certificate and/or A.S. degree programs.

Preparing students for research positions in the biotechnology industry and in academia is a primary focus of the Keck Biotechnology Program at PCC whereas several local community college biotechnology programs emphasize preparation to work in the biotechnology industry performing traditional biomanufacturing techniques utilizing microorganisms. The Certificate of Achievement in Biological Technology - Stem Cell-Based Biomanufacturing differs from programs in the local area and attracts students with an interest in preparing for research opportunities in the biomedical industry and in academic laboratories performing biomanufacturing of stem cells and related bioprocessing techniques to produce stem cell therapeutics.