

BIOLOGICAL TECHNOLOGY – STEM CELL CULTURE – CERTIFICATE OF ACHIEVEMENT

Top Code: 0430.00

The curriculum prepares students to work in entry level positions in the field of cell culture including stem cell culture. Emphasis is on practical laboratory skills combined with training in a working laboratory setting.

A Certificate of Achievement is awarded upon completion of all required courses with a grade of C or better.

Program Outcomes

1. Understand, interpret and write laboratory documents, SOPs, protocols and notebook documentation.
2. Be able to use, maintain, calibrate and/or validate standard laboratory equipment.
3. Be prepared for entry-level technician positions in laboratories performing stem cell research in the biological technology industry and in research institutes.

Requirements for the Certificate of Achievement

Code	Title	Units
Semester I		
BIOL 102A	BIOLOGICAL TECHNOLOGY - BASIC TECHNIQUES	3
CHEM 022	INTRODUCTORY CHEMISTRY	4
MATH 131	INTERMEDIATE ALGEBRA FOR STEM	5.5
Semester II		
BIOL 102B	BIOLOGICAL TECHNOLOGY - ADVANCED TECHNIQUES	3
CHEM 001A	GENERAL CHEMISTRY AND CHEMICAL ANALYSIS I	5
Semester III		
BIOL 002 or MICR 002	ANIMAL BIOLOGY MICROBIOLOGY	4
BIOL 102C	BIOLOGICAL TECHNOLOGY - CELL CULTURE TECHNIQUES	3
Semester IV		
BIOL 038	CELL AND MOLECULAR BIOLOGY	4
BIOL 102D	BIOLOGICAL TECHNOLOGY - LABORATORY INTERNSHIP	3
Total Units		34.5

Visit the Program Mapper (<https://pasadena-city.programmapper.ws/academics/interest-clusters/35afad1b-8598-4ecf-a320-0ed4834a7df8/programs/e33b7c90-85aa-ed8b-a07d-3df10f76bc9f/>) for a suggested sequence of courses.

This Certificate of Achievement is not eligible as a major for an Associate Degree.