

WIB Manufacturing Program Review (one aspect of the Biotechnology Program at Ohlone College)

1. Program Description and Scope:  
This 13-week program is designed to retrain dislocated workers and those seeking a career transition for entry-level jobs with an opportunity for advancement in a high-growth industry. Students will be expected to complete and document laboratory activities, access and document information using a computer, and communicate information effectively in a team atmosphere.
2. Student Learning Outcomes:  
The student will:
  - A. Develop a results-oriented resume highlighting transferable skills relevant to Bio-Manufacturing positions.
  - B. Demonstrate effective interviewing skills to obtain employment in the Biotech industry.
  - C. Understand and apply techniques to conduct self-directed job search.
  - D. Apply scientific method and good experimental design in scientific experiments.
  - E. Understand and demonstrate lab safety procedures.
  - F. Maintain a lab notebook: describe correct SOP's, GLP's and other documentation required in a biotech lab
  - G. Demonstrate standard lab techniques such as pipetting, measurements (mass/volume).
  - H. Demonstrate proper use of lab equipments such as pH meters, spectrophotometers, chromatographic systems, electrophoresis apparatus, compound microscope and other equipments.
3. Assessment of Student Success in Reaching Program Outcomes:  
  
Evaluation of Performance: Letter Grade
  - A. Assignments
  - B. Homework
  - C. Quiz
  - D. Lab Notebook
  - E. Oral and Written Presentation (Technical Writing)
  - F. Midterms
  - G. Finals
  - H. Participation in class discussions
4. Assessment of Program Through Review of the Teaching Learning Process:
  - A. Job placement of the students
  - B. Feedback from Industry
  - C. Feedback from students (after completion of the program) working in the industry
5. Funding to support the program:  
From the feedback received from the Industry:
  - A. 10,000L spinner bottles
  - B. Large centrifuge to be used to spin roller bottle cultures
  - C. Bench top rotators for cultures in test tubes
  - D. Laminar Flow Hoods

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