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| Biotech Advisory Mtg  (Cerritos & Compton Colleges) | December 14, 2021TimeLocation: Zoom |

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| Meeting called by: | Michelle Stieber, Santos Rojas, and Katherine Marsh | Type of meeting: | Joint Advisory Board Meeting |
| Facilitator: | Michelle Stieber, Santos Rojas, Katherine Marsh |

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| Attendees: | Michelle Stieber, Santos Rojas, Katherine Marsh, Terri Quenzer, Greg Potter, Joel Espejo, Katherine Ruwe, Rosemarie Christopher, Bibu George, Deborah Shepard, Wendie Johnston |

# Minutes

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| Agenda item: | Cerritos College Curriculum Approval | Presenter: | Michelle Stieber and Santos Rojas |

#### A. Cerritos College Curriculum Discussion Summary (Items 1-253 on the transcript)

Michelle Stieber and Santos Rojas discussed the planned Cerritos College curriculum, which included three new courses: Introduction to Biotechnology, Biomanufacturing Fundamentals, and Quality and Regulatory Affairs in Biotechnology. The specific topics covered in each course were presented. Drs. Stieber and Rojas also discussed how those courses would fit into their proposed, stackable certificates. The first certificate of achievement would be Biotechnology I: Wet Lab Skills, and would include the Introduction to Biotechnology Course, Introductory Biology, Industrial Process Control, and Elementary Chemistry. The second certificate of achievement would be Biotechnology II: Biomanufacturing, and would include Principles of Biology, General Chemistry, Biomanufacturing Fundamentals, Quality and Regulatory Affairs in Biotechnology, and Elementary Statistics.

The planned sequence for these courses and how they fit into an Associate of Science Degree in Biotechnology was also presented. Drs. Stieber and Rojas are aware of other colleges experiencing difficulties in recruiting students into such programs. Strategies like introducing a biotech laboratory activity into the Biology 120 general education course, which is a popular gateway course into the biology department, hosting a Biotech Day on campus, and running a biotech workshop for students were mentioned.

Wendie Johnston, Joel Espejo, Deborah Shepard, Bibu George, and Katherine Ruwe expressed their support for the program. Terri Quenzer noted how the courses may transfer to the UC and CSUF programs but asked about how they fit with the community college bachelor's degree in biomanufacturing.

**Action Item:** The Board was asked to express approval for the Cerritos College curriculum in the chat.

The following Board members expressed approval for the Cerritos College curriculum: Terri Quenzer, Greg Potter, Joel Espejo, Katherine Ruwe, Rosemarie Christopher, Bibu George, Deborah Shepard, Wendie Johnston

**B. Compton College Discussion (Items 254-415 on transcript)**

Dr. Katherine Marsh presented updates on the progress of the Compton College biotechnology curriculum. *\*The summary for this portion of the meeting is not included on this document.*

**C. Additional Discussion (Items 416-560 on transcript)**

Dr. Michelle Stieber introduced micro-credentials being offered through the Biosciences Core Skills Institute and two possible biotechnology credential exams: the BioTC online assessment and the BACE exam and asked if the Board had any input or feedback on their support of such assessments to make students more competitive for jobs. Katherine Ruwe expressed interest in the use of micro credentials to highlight students skills. Lynell Wiggins emphasized the need to ensure that first and foremost the program be aligned with what industry needs and that the exam can be integrated within the curriculum. Dr. Katherine Marsh discussed the call for California Community Colleges to possibly start offering bachelor’s degrees and asked the Board if they felt it would be beneficial for students to attain a bachelor’s degree in biomanufacturing.