

EXECUTIVE SUMMARY [NON-CONFIDENTIAL, NON-TECHNICAL ABSTRACT FOR PUBLIC INFORMATION OR PROGRAM PROMOTION]: State in layman's terms the application's broad, long-term objectives and specific aims, making reference to the potential public benefits of the project relevant to California. Do not include proprietary or confidential information. This may be distributed before the funding decision has been finalized.

The long-term objectives of the proposal is to develop a professional science masters (PSM) degree program in applied biotechnology studies to prepare students from applied mathematics, biochemistry, business, computer science, engineering, and molecular biology. The specific aims of this project are: (1) to create an environment in which faculty from each of the six disciplines above can help develop cross-disciplinary projects/case studies that reflect conditions in industry, (2) evaluate the interests of student in a PSM in Applied Biotechnology Studies, and (3) evaluate the needs of local industry for graduates of our PSM and opportunities they have for internship that can also function as industry-university collaborative projects. Graduate students who have earned the PSM in Applied Biotechnology Studies and undergraduate or non-traditional students who will earn concentrations or certificates associated with the Center for Applied Biotechnology Studies program as well as the biomedical companies who employ them will benefit from this project.