| Program/Date | MS in Biotechnology | | | TWO YEAR PLAN | FIVE YEAR PLAN |
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| REVIEW RECOMMENDATIONS | PROGRAM CITATION AND RATIONALE | RESPONSIBLE PARTIES | RESOURCE IMPLICATIONS | DELIVERABLE | DELIVERABLE |
| **PROGRAM PURPOSE AND UNIVERSITY GOALS** | | | | | |
| Program Mission: Revisit mission statement | External review (1A); Provost | Chair, Program Director, Dean | | Revise mission statement and program learning goals; consider changes to the Bioinformatics component | |
| **ACHIEVING EDUCATIONAL OUTCOMES/ASSESSMENT** | | | | | |
| Curriculum: Courses on bioethics, law & regulation and globalization issues/business management | External review (2A) | Faculty | Curriculum | Explore potential for developing courses on Bioethics and Globalization issues | |
| Learning Outcomes: Review learning goals and outcomes | External review (2B), Provost | Faculty | Curriculum | Analyze course learning outcomes and overall program learning goals to streamline with course content | |
| Learning Outcome Data and Analysis: Assessment | External review (2C); Continuous improvement; Provost | Faculty | Curriculum | Discuss assessment plan and process with instructors; conduct assessment of PLGs and SLOs over the course of several terms | Assess all program learning goals and course SLOs |
| Student involvement in curricular activities: Yearly symposium; networking events | External review (2E) | Program Director; EU | | Mixers are currently offered each semester; discuss plans to offer separate networking and professional development events; collaborate with other graduate programs to offer a | |

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| | | | | combined end of year event; advertise team project and internship presentations to all | |
| Academic support: Alumni tracking | External review (2F); Continuous improvement | Program Director; Alumni Office; EU Staff | Alumni Office; EU Staff | Establish a closer and consistent collaboration with the Office of Institutional Effectiveness and Alumni Office to track our graduate students | Create database of alumni and track on a regular basis |
| Articulation and Transfer: Articulation issues | External review (2G) | Program Director; faculty; EU staff | Admissions | Have discussions with Dean of EU and faculty to establish set of articulating courses | Interact with other CSU programs to establish articulations; have discussions with Admissions office |
| **DEVELOPING RESOURCES TO ENSURE SUSTAINABILITY** | | | | | |
| Faculty workload and Evaluation: Peer evaluations | External review (3C) | Program Director | EU | Conduct peer evaluations as mandated by campus policies | Develop evaluation plan for EU instructors |
| Fiscal and Physical Resources: Budget and facilities, lab space<br><br>Developing External Resources: Internships | External review (3E); Dean; Provost<br><br>External review (3F) | EU<br><br>EU, Program Director; Alumni office; Advancement office; Career Development Office | EU, Budget | - Explore potential for increasing lab space<br><br>- Review tuition fee structure; increase number of off-site internship sites available to students; need support from campus departments (Risk Management and Procurement) to develop internship agreements; work with Career Development Office to seek information about companies; explore resources for paid internships | Establish effective and continuous collaborations with Alumni and Advancement Offices |

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| Information technology: Journals | External review (3G) | Library, IT | Library, IT | Work with library to establish a journal repository | |
| Community Involvement: New Advisory Board | External review (3H); Dean; Provost | Program Director; EU; Dean; Provost; President's Office | | Establish a new Biotech Advisory Board consisting of industrial representatives (appointed by the President) who can provide inputs into current biotech trends and guidelines; Utilize Advisory Board to seek donations Explore potential to develop an internal advisory board consisting of faculty | |
| **CREATING A LEARNING CENTERED ORGANIZATION/STRUCTURE** | | | | | |
| Integration of planning resources: Long term planning and evaluation | External review (4B) | EU; Dean | EU, Provost Office | - Review assessment results continuously and revisit program trajectory; have concrete plans for short-term and long-term reviews | |
| Professional accreditation: Affiliation with NPSMA | External review (4C) | Program Director, EU | | - Continue association with NPSMA and follow guidelines, attend NPSMA meetings | |

The Program Action Plan is an agreement among appropriate Deans (Arts and Sciences and Extended University) and Program to implement recommendations that emerged during the program review process. These recommendations were derived from the program's self-study, the external review, administrator input, and the Continuous Improvement review. Through the Program Action Plan, the goal is to integrate program review results into Academic Affairs planning and budgeting. To the extent that resources and changes in program and division strategic priorities permit, the Action Plan identifies two-year and five-year targets for implementation of recommendations.