

Program/Date	MS in Biotechnology			TWO YEAR PLAN	FIVE YEAR PLAN
REVIEW RECOMMENDATIONS	PROGRAM CITATION AND RATIONALE	RESPONSIBLE PARTIES	RESOURCE IMPLICATIONS	DELIVERABLE	DELIVERABLE
<b>PROGRAM PURPOSE AND UNIVERSITY GOALS</b>					
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	
<b>ACHIEVING EDUCATIONAL OUTCOMES/ASSESSMENT</b>					
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	

				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	External review (3E); Dean; Provost	EU	EU, Budget	- Explore potential for increasing lab space	Establish effective and continuous collaborations with Alumni and Advancement Offices
Developing External Resources: Internships	External review (3F)	EU, Program Director; Alumni office; Advancement office; Career Development Office		- 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	

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	
<b>CREATING A LEARNING CENTERED ORGANIZATION/STRUCTURE</b>					
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.