

their advisor and group meetings.

2. Biochemistry-MS students will be able to effectively communicate scientific research, both their own and information from the research literature, in written and oral fashions.		these areas. Additionally, individual research group meetings often require students to discuss their research with the faculty mentor and other group members – such discussions often lead to analysis of data via the scientific method and through critical thinking. Thus, some of the best areas for	CHEM519(O students), CHEM519L(O students), CHEM529(O students), CHEM531 (O student), CHEM578(O students), CHEM578(O students), CHEM592(O students), CHEM593(O students), CHEM593(O students),	courses, committee meetings	All students have shown adequate growth and are satisfactorily progressing towards graduation.	Students progressing to thesis defense.	None.
Biochemistry-MS students will develop and master the scientific problem solving skills required to define and solve basic or applied original scientific questions using the scientific method.	Spring 2020 by Richard Farrer.	See SLO 2.	CHEM502(0 students), CHEM510(0 students), CHEM511(0 students), CHEM512 (0 students), CHEM512 (0 students), CHEM512 (0 students), CHEM519(0 students), CHEM519(0 students), CHEM5310 (0 students), CHEM531 (0 students), CHEM531 (0 students), CHEM532(0 students), CHEM593(0 students), CHEM593(0 students), CHEM593(0 students), CHEM593(0 students), CHEM593(0 students), CHEM599(0 students), and CHEM599(0 students), and CHEM599(0 students), and CHEM599(0 students), committee meeting this past year.	Again, all students should complete each course with an A or B, and students should have positive reviews after each committee meeting. However, the committee meeting are also to assist misdirected students back to a path toward graduation. At the time the students choose to defend their thesis/intership, the student must be at or very near mastery of their material, and have a firm grasp on the scientific method and how to apply it to experimental design, data analysis, and production of results.	All students showing progress towards mastery of this material.	All students are currently on the thesis plan (as opposed to the intermship route). The thesis plan requires students to do novel research and report their findings minimally in a thesis (but many students present work at meetings or publish their findings in peer-reviewed journals). In order to complete a thesis, significant research must be completed—and this research must follow the scientific method. Thus, students are well trained in experimental techniques, experimental design, and scientific problem solving.	None.
4. Biochemistry-MS students will actively engage in collaborative research/internships and discourse with the faculty in the Chemistry and Biology Departments and other STEM disciplines.	Spring 2020 by Richard Farrer.	CHEM592 and CHEM599 – research, CHEM598 – intership. Final assessment at thesis defense (CHEM599) or intership defense (CHEM588).	CHEM589 (0 students), CHEM592 (0 students), CHEM599 (0 students).		All students are actively participating in research.	Students enrolled in research must actively engage in scientific research. No students on internship plan.	None.
5. Biochemistry-MS students and faculty will disseminate the products of the Biochemistry-MS program within CSU-Pueblo community and with communities outside of the university in activities using their professional expertise.	Spring 2020 by Richard Farrer.	CHEM588, CHEM589, CHEM593, CSU-Pueblo symposia, and regional and national scientific meetings. Also, publication of material in scientific journals.	CHEM589 (0 students) and CHEM593 (0 students). Graduate students presented research at regional and national meetings. Unfortunately, the CSU-Pueblo symposium was canceled.	receive A's for their thesis defenses. For symposia,	The symposium presentations were excellent – students were well prepared and able to provide insights into their research and results.	Students progressing toward graduation.	None.
Comments on part I:	The 2020-21 academic year saw o the numbers, the Biochemistry MS retirement of our only tenure-track has been unfruitful, and we hope to	program numbers have dwindled. biochemist, Dr. Sandra Bonetti. Ou	Part of this was caused by the ir search for a new biochemist				

II. Closing the Loop. Describe at least one data-informed change to your curriculum during the year cycle. These are those that were based on, or implemented to address, the results of assessment from previous cycles.						
A. What SLO(s) or other issues did you address in this cycle? Please include SLOs verbatim from the assessment plan, as above.	B. When was this SLO last assessed to generate the data which informed the change? Please indicate the semester and year.	recommendations for	D. How were the recommendations for change acted upon?	E. What were the results of the changes? If the changes were not effective, what are the next steps or the new recommendations?		
Comments on part II:	Both Biochemistry MS students will complete their degree during Summ we can not sustain a Biochemistry	ner 2021. Fortunately, we have two	o students starting in the 3+2 Bioc			