## Chemistry

## Annual Program Report Template

Year:

2022-2023

STAGE 1: PLAN			STAGE 2: DO		STAGE 3: STUDY	
Departmental Student Learning Goal	Program Student Learning Outcome	Assessment	Assessment Method/Locati on	Benchmark Expectations	Data Results	Actions/Goals Based on Data Results* What do the data tell you? How will you use this data? How were data from the last cycle used to make changes during this cycle, and What were the results of those changes?
The goal is to provide students with the skills required for them to succeed as working chemists.	Graduate Chemistry students will demonstrate competency in oral communication skills.	The oral presentation skills of chemistry graduate students will be assessed during a presentation of their research project/final class/capstone and assessed by a review committee. The assessment rubric was developed by the chemistry faculty members.	The oral presentation skills of chemistry graduate students will be assessed during a presentation of their research project/final class/capstone and assessed by a review committee. The assessment rubric was developed by the chemistry faculty members. This was chosen because these are skills in which our graduate students must exhibit competency as	80% of students will score an average of 3.4/4.0 on the rubric.	2021-2022 83% of students scored an average of 3.3/4.0 or above. 2022-2023 100% of students scored an average of 3.4/4.0 or above. The average score was 3.66/4.0	63* nB/2 11.04 Tf-15e6/4.0sser

## Table 1. Assessment Results and Analyses for Current Cycle.

			working			
			chemists.			
The goal is to	Graduate Chemistry	Graduate	Graduate	80% of students	2021-2022	The assignments to evaluate
provide students	students will	Chemistry	Chemistry	will score an		writing skills were more
with the skills	demonstrate expertise	students	students	average of	55% of the	focused on biochemistry topics
required for them to	in standard scientific	scientific writing	scientific	3.3/4.0 on the	students scored	this year. The action plan is to
succeed as working	writing and the use of	skills will be	writing skills	rubric.	an average of	have two tracks of topics to be
chemists.	English in preparing	assessed by a	will be assessed		3.3/4.0 or	covered, one with more focus
	reports.	review	by a review		above.	on chemistry and the other one
		committee as	committee as			on biochemistry. We anticipate
		part of a	part of a		2022-2023	that this will impact the
		research or	research or			average score and the
		scientific	scientific		47% of the	percentage of students who
		communication	communication		students scored	score 3.3/4.0 and above will
		course. The	course. The		an average of	increase.
		written material	written		3.3/4.0 or	
		will be	material will be		above.	A
		evaluated using	evaluated using			from the rubric, we will mainly
		a rubric	a rubric			focus on improving the quality
		developed by	developed by			of information presented
		the chemistry	the chemistry			during the written assignments.
		faculty	faculty			
		members. This	members. This			Although the target was still
		was chosen	was chosen			not met, there was no
		because these	because these			significant change in student
		are skills in	are skills in			scores from 2021-2022 to the
		which our	which our			current 22-23 AY
		graduate	graduate			
		students must	students must			
		exhibit	exhibit			
		competency as	competency as			
		working	working			
		chemists.	chemists.			
The goal is to	Graduate Chemistry	Chemistry	Chemistry	80% of students	2021-2022	Comparing with the previous
provide students	students will	masters	masters	will score an		evaluation year there is an
with the skills	demonstrate the	students are	students are	average of	83% of students	increase in the evaluation
required for them to	ability to effectively	trained to	trained to	3.4/4.0 on the	scored an	results from 83% to 100%. We
succeed as working	perform chemical	function as	function as	rubric.	average of	plan to increase the benchmark
chemists.	research.	professional	professional		3.4/4.0 or above	expectations in the next year,
		chemists. A	chemists. A		on the rubric.	as only a limited number of

committee will