Date:	Program Name:	CIP Code:				Department:
		Year 1	Year 2	Year 3	Year 4	Year 5
Domain	Program-Level Student Learning Outcome (From ALC or ALP)	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
Content	Demonstrate competence in practical aspects of chemistry, including: Laboratory skills, Selection and proper use of modern instruments, Proper calibration practices, and/or Computer-based data acquisition			Data Collection: CHM 3400C and CHM 3741L Measure: Instructor report/lab reports Gather baseline data	Reflect on results: CHM 3400C and CHM3741L Implement improvement decision	Data Collection: CHM 3400C and CHM 3741L Measure: Instructor report/lab reports Gather impact data
Communication	Communicate professionally about chemistry through writing in an accepted scientific format and orally in a public venue	Data Collection: CHM 4930 and CHM 4130 Measure: Student Presentation (rubric). Gather baseline data	Reflect on results: CHM 4930 and CHM 4130 Implement improvement decision	Data Collection: CHM 4930 and CHM 4130 Measure: Student Presentation (rubric). Gather impact data		
Critical Thinking	Use chemical literature effectively and efficiently by demonstrating basic techniques in on-line searches for specific reference/review articles		Data Collection: CHM 4611 and CHM 4930 Measure: Assignment (rubric) Gather baseline data	Reflect on results: CHM 4611 and CHM 4930 Implement improvement decision	Data Collection: CHM 4611 and CHM 4930 Measure: Assignment (rubric) Gather impact data	
Integrity / Values	Recognize ethical components in complex situations		Data Collection: CHM 4931 and CHM 4455/L Measure: Student responses via writing and group discussions Gather baseline data	Reflect on results: CHM 4931 and CHM 4455/L Implement improvement decision	Data Collection: CHM 4931 and CHM 4455/L Measure: Student responses via writing and group discussions Gather impact data	
Project Management	Design and execute projects reasonably for available time	Data Collection: CHM 3741L and CHM 4130L Measure: Lab report (rubric). Gather baseline data		Data Collection: CHM 3741L and CHM 4130L Measure: Lab report (rubric). Gather impact data		
Hazard/Risk Management	Handle hazardous materials safely			Data Collection 3740L and CHM 4610L Measure: Instructor feedback with pre/post assignment Gather baseline data	Reflect on results: CHM 3740L and CHM 4610L Implement improvement decision	Data Collection 3400C and CHM 4610L Measure: Instructor feedback with pre/post assignment Gather impact data

Assessment Activity (Examples)

Gather baseline data (Revise rubric; gather data) Implement actions for improvement

Revised 30 July 2019 Follow-up assessment (impact data) Direct Measures:

Exam questions Student paper (rubric) Presentation (rubric)

Methods of Assessment Indirect Measures: Focus group Exit interview Alumni survey

External Direct Measures: Supervisor/Employer feedback External Professional Exam