Assessment: Program Four Column

Acad Program - Chemical Laboratory Technology Program (AAS)

Program Learning Outcomes	*Assessment Methods*	*Assessment Results*	*Action Taken (Use of Results)*
Laboratory Performance - Perform basic chemical statistical analysis in a chemical lab setting. **Outcome Status:** Active/Ongoing **Assessment Year:** 2017 - 2018, 2018 - 2019, 2019 - 2020, 2020 - 2021, 2021 - 2022, 2022 - 2023 **Start Date:** 07/01/2017	**Final Exam Grade -** Final exam comprehensive assessment **Criterion:** 80% of student will obtain 70%	**Reporting Period:** 2021 - 2022 EoY **Result Type:** Criterion Met 100% of students successfully performed basic chemical statistical analysis before completion of the course. (08/11/2022) **Analysis:** Acceptable results.	**Action Taken (Use of Results):** Monitoring will continue. (08/11/2022)
Laboratory Softskills - Demonstrate basic soft skills related to gaining and maintaining employment such as time management, appropriate work attire, working as a team, and effective communication. **Outcome Status:** Active/Ongoing **Assessment Year:** 2017 - 2018, 2018 - 2019, 2019 - 2020, 2020 - 2021, 2021 - 2022, 2022 - 2023 **Start Date:** 07/01/2017	**Demonstration -** Laboratory notebooks documenting timeliness, teamwork and lab analyst expectations.	**Reporting Period:** 2021 - 2022 EoY **Result Type:** Criterion Met 100% of students demonstrated basic soft skills related to proper employment skills for entry level positions. (08/11/2022) **Analysis:** Acceptable results.	**Action Taken (Use of Results):** Monitoring will continue. (08/11/2022)
Laboratory Safety - Demonstrate a basic knowledge of industrial and environmental safety **Outcome Status:** Active/Ongoing **Assessment Year:** 2017 - 2018, 2018 - 2019, 2019 - 2020, 2020 - 2021, 2021 - 2022, 2022 - 2023	**Exam -** Laboratory Safety Assessment	**Reporting Period:** 2021 - 2022 EoY **Result Type:** Criterion Met 96% of students were able to demonstrate a knowledge of related safety. (08/11/2022) **Analysis:** Acceptable results.	**Action Taken (Use of Results):** Monitoring will continue. (08/11/2022)

Program Learning Outcomes	*Assessment Methods*	*Assessment Results*	*Action Taken (Use of Results)*
Start Date: 07/01/2017			
Database Analysis - Display and analyze database information **Outcome Status:** Active/Ongoing **Assessment Year:** 2017 - 2018, 2018 - 2019, 2019 - 2020, 2020 - 2021, 2021 - 2022, 2022 - 2023 **Start Date:** 07/01/2017	**Demonstration -** Infrared Sample and Intepretation Assessment	**Reporting Period:** 2021 - 2022 EoY **Result Type:** Criterion Met 89% of students successfully displayed and analyzed sample information upon successful completion of the course. (08/11/2022) **Analysis:** Acceptable results.	**Action Taken (Use of Results):** Monitor closely for year 2022-23. (08/11/2022)