

PCCUA ASSESSMENT FORM

Division: Allied Health and Nursing
Program: Medial Lab Technology
Date: 24-25 Academic Year

PCCUA ASSESSMENT GUIDING QUESTIONS

Please respond based on the departmental discussion of the program assessment and how those outcomes reflect what students are learning and what needs to happen to improve student learning. You may provide this in a narrative or bulleted format. However, you must respond to each question and these responses should be based on your program assessment discussions. **Please respond in red font.**

Program Student Learning Outcomes

- A. Are the intended educational (learning) outcomes for the program appropriate and assessed appropriately?
Yes, outcomes are based on standards set by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS) and are assessed using accepted methods.
- B. How are the faculty and students accomplishing the program's student learning outcomes?
The faculty and students accomplish program SLO's through assessment, monitoring outcomes, and establishing action plans for improvement.
- C. How is the program meeting market/industry demands and/or preparing students for advanced study?
Feedback from advisory board meetings and lab manager communications provide evidence that this program is meeting the market demand by graduating students who meet entry level knowledge and skills. Other evidence includes 100% employment rates among graduates.

- D. Do course enrollments and program graduation/completion rates justify the required resources?
Enrollment fluctuates but graduation rates are high (100% for the last 3 years). Therefore, high graduation rates coupled with 100% employment rates, justifies the resources necessary for this program.
- E. Based on the Program SLO's how well are students learning at the course and program level? Students are graduating with entry level knowledge and skills as demonstrated in the grading rubrics for the clinical courses; MLSC 22303, MLSC 24303, MLSC 26303, and MLSC 28303. Based on your assessment outcomes, how do you know this? Students are meeting 4 of the 5 student learning outcomes and improvements are being seen on the outcome that has not been met.
- F. What are the changes you need to make to improve student learning?
-more interactive lessons by using Nearpod
-including interactive review games
- G. What are the weak areas demonstrating a need for improvement?
-application of theory
- H. What are the strengths identified through assessment?
-correlation of clinical laboratory data to disease processes
-compliance with laboratory safety regulations
-demonstration of professional behavior
-communication skills

Program Curriculum

- A. Is the program curriculum appropriate to meet current and future market/industry needs and/or to prepare students for advanced study? Yes, as required by NAACLS. Is that reflected in the assessment outcomes? Yes.
- B. Are program exit requirements appropriate? Yes, as required by NAACLS.
- C. Are students introduced to experiences within the workplace and introduced to professionals in the field? Yes, 4 week rotations in all 4 of the major departments of the clinical laboratory, leading to 12 college credit hours upon completion.

- D. Does the program promote and support interdisciplinary initiatives? **Yes. During clinical rotations, students are graded on their ability to work with other disciplines within the hospital setting.**
- E. Does the program support the college STACC skill development expected of all PCCUA graduates? **Yes. Explain how you know this through assessment. Standard of achievement is met as documented in the program Systematic Plan for Evaluation (SPE)**
- F. Does the program provide respect and understanding for cultural competency as evidenced in the curriculum, in program activities, in assignment of program responsibly and duties; in honors, awards and scholarship recognition; in recruitment? **Yes, as demonstrated in the curriculum and objectives of the MLT clinical courses; MLSC 22303, MLSC 24303, MLSC 26303, and MLSC 28303**

Budget Requests Forms

Are more resources needed. **Yes.** If so, has there been an effort to acquire these resources through the college budgeting process? **Yes, Absolutely! We have been so fortunate to have been afforded the opportunities, through grants and other avenues, to purchase items that are vital to student success. Administration has gone above and beyond to ensure the program has the resources needed for student success. A chemistry analyzer and 3-D printer were recently purchased through grants.**

What program requests did you make for the next year which are tied to needs related to assessment outcomes?

- Online resources that are requested and granted through the Perkins grant.
- Chemistry analyzer
- 3-D printer

Medical Laboratory Technology Program Student Learning Outcomes Assessment

Spring 2025 (Evaluating S2024 graduates)

Component	Location of Documentation	Person Responsible	Frequency/Time of Assessment	Assessment Method	Student Achievement of Standard	Action Plan for Improvement
<p>Student will apply knowledge of entry-level theory & skills to accurately perform testing in all areas of the medical laboratory.</p>	MLT Office	Program Director	Annually in June	<p>Analysis of scores on Board of Certification practice exam administered to assess entry level theory in Capstone course MLS 213</p>	<p>Standard 100% of students will score 55 or higher Student Achievement Not Met 50% (1/7)</p>	<p>Achievement not met but the average score was 51.4% which was an improvement over the previous year of 40%. Continue to monitor</p>
				<p>Analysis of scores on national certification exam to assess entry-level knowledge</p>	<p>Standard 75 % of students will pass the BOC exam on the first attempt Student Achievement Not Met 50% (1/2) AMT</p>	<p>Level of achievement not met. Continue to monitor.</p> <p>Student that failed waited 10 months to take the exam. Present data in MLSC 21303 that students who take the certification exam shortly after graduation have a significantly higher pass rate. As the time between graduation and the exam increases, the pass rate steadily declines.</p>

				Analysis of competency check-off lists to assess skills in performing laboratory tests in Medical Laboratory Science (MLS) courses 125, 135, 202, 205 & 215	Standard 100% of students will perform required # of each laboratory procedure with 100% accuracy. Student Achievement Met 100% (7/7)	Level of achievement met Continue to monitor
Students will correctly evaluate clinical laboratory data & correctly relate to disease processes	MLT Office	Program Director	Annually in June	Analysis of exam scores to assess factual knowledge in MLS courses 125, 135, 202, 205 & 215	Standard 100% of students obtain an average test score of 75 or better Student Achievement 100 % (7/7)	Level of achievement met Continue to monitor
Students will comply with laboratory safety regulations & standards	MLT Office	Program Director	Annually in June	Analysis of analytic rubric to assess knowledge & compliance in MLS 223, 243, 263 & 283	Standard 100% of students will score 4 or better Student Achievement Met 100% (7/7)	Level of achievement met Continue to monitor

<p>Students will demonstrate the elements of professional behavior & respect for diversity when interacting with patients & members of the healthcare team.</p>	MLT Office	Program Director	Annually in June	Analysis of analytic rubric to assess knowledge & demonstrate professional behavior during clinical training in MLS 223, 243, 263 & 283	<p>Standard 100% of students will score 4 or better Student Achievement Met 100 % (7/7)</p>	<p>Level of achievement met Continue to monitor</p>
<p>Students will employ interpersonal communication skills in relaying laboratory test information & when interacting with patients, lab personnel & other health care professionals</p>	MLT Office	Program Director	Annually in September	Analysis of analytic rubric to assess ability to communicate in a health care setting in MLS 223, 243, 263 & 283	<p>Standard 100% of students will score 4 or better Student Achievement 100 % (7/7)</p>	<p>Level of achievement met Continue to monitor</p>