

Assurance of Student Learning 2019-2020	
Ogden College of Science and Engineering	Biology Department
Medical Laboratory Science- 582 (5004)	

**Use this page to list learning outcomes, measurements, and summarize results for your program. Detailed information must be completed in the subsequent pages.**

**Student Learning Outcome 1:** Graduates will apply biological content knowledge to analyzing biological specimen in the clinical laboratory.

<b>Instrument 1</b>	National Accrediting Agency for Clinical Laboratory Sciences Exam score/pass rate
<b>Instrument 2</b>	
<b>Instrument 3</b>	

Based on your results, circle or highlight whether the program met the goal Student Learning Outcome 1.	<b>Met</b>	Not Met
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**Student Learning Outcome 2:** Students will demonstrate proficiency in using instrumentation to analyze medical specimen.

<b>Instrument 1</b>	Observation of students during Senior year, during clinical internship, operating equipment and instrumentation- reported by preceptor as a proficiency lab score
<b>Instrument 2</b>	
<b>Instrument 3</b>	

Based on your results, circle or highlight whether the program met the goal Student Learning Outcome 2.	<b>Met</b>	Not Met
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**Student Learning Outcome 3:** Seniors will be prepared for entry level career in the clinical laboratory.

<b>Instrument 1</b>	NAACLS self-study question-“Where did you obtain employment?” at the end of the clinical year.
<b>Instrument 2</b>	
<b>Instrument 3</b>	

Based on your results, circle or highlight whether the program met the goal Student Learning Outcome 3.	<b>Met</b>	Not Met
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**Program Summary (Briefly summarize the action and follow up items from your detailed responses on subsequent pages.)**

Overall, the results from this assessment indicates that the program has reached and/or exceeded the self-reported assessment goals. Students graduating from the program had a 100% pass rate on the National Accrediting Agency for Clinical Laboratory Sciences Exam and 100% placement rate in Medical Laboratories employment.

**Student Learning Outcome 1**

<b>Student Learning Outcome</b>	Graduates will demonstrate a level of biological content knowledge appropriate to their degree level.		
<b>Measurement Instrument 1</b>	National Accrediting Agency for Clinical Laboratory Sciences Exam score/pass rate		
<b>Criteria for Student Success</b>	70% of the undergraduates will pass the NAACLS exam.		
<b>Program Success Target for this Measurement</b>	70%	<b>Percent of Program Achieving Target</b>	100%
<b>Methods</b>	For 2019-2020, we had all 3 students who took the exam, pass the exam for 100% pass rate.		
<b>Measurement Instrument 2</b>			
<b>Criteria for Student Success</b>			
<b>Program Success Target for this Measurement</b>		<b>Percent of Program Achieving Target</b>	
<b>Methods</b>			
<b>Measurement Instrument 3</b>			
<b>Criteria for Student Success</b>			
<b>Program Success Target for this Measurement</b>		<b>Percent of Program Achieving Target</b>	
<b>Methods</b>			

Based on your results, circle or highlight whether the program met the goal Student Learning Outcome 1.	Met	Not Met
<b>Actions</b> (Describe the decision-making process and actions planned for program improvement. The actions should include a timeline.)		
<b>Follow-Up</b> (Provide your timeline for follow-up. If follow-up has occurred, describe how the actions above have resulted in program improvement.)		
In the future, actual NAACLS exam scores will be recording, not only their pass rates.		

### Student Learning Outcome 2

<b>Student Learning Outcome</b>	<b>Students will apply scientific methodology and field/laboratory/analytical skills to a biological question.</b>		
<b>Measurement Instrument 1</b>	Observation of students during Senior year, during clinical internship, operating equipment and instrumentation- reported by preceptor as a proficiency lab score		
<b>Criteria for Student Success</b>	MLS students will pass their instrumentation courses at MLS school.		
<b>Program Success Target for this Measurement</b>	75%	<b>Percent of Program Achieving Target</b>	100%
<b>Methods</b>	All 3 of our 3 MLS students passed their instrumentation courses in their MLS school. Direct measures, which were not required previously, will be assessed in the next reporting period.		
<b>Measurement Instrument 2</b>			
<b>Criteria for Student Success</b>	.		
<b>Program Success Target for this Measurement</b>		<b>Percent of Program Achieving Target</b>	
<b>Methods</b>			
<b>Measurement Instrument 3</b>			
<b>Criteria for Student Success</b>			
<b>Program Success Target for this Measurement</b>		<b>Percent of Program Achieving Target</b>	
<b>Methods</b>			
<b>Based on your results, circle or highlight whether the program met the goal Student Learning Outcome 2.</b>			<b>Met</b>
<b>Not Met</b>			
<b>Actions</b> (Describe the decision-making process and actions planned for program improvement. The actions should include a timeline.)			
The Biology Assessment Committee will develop a different Student Learning Outcome that has a direct measure for future assessment.			
<b>Follow-Up</b> (Provide your timeline for follow-up. If follow-up has occurred, describe how the actions above have resulted in program improvement.)			
A new SLO with a direct measure as an instrument will be implemented during the Spring 2020 semester.			

**Student Learning Outcome 3**

<b>Student Learning Outcome</b>	<b>Seniors will be prepared for success in Medical Laboratory Science job positions.</b>														
<b>Measurement Instrument 1</b>	<b>INDIRECT MEASURE: Place of employment will be recorded for each graduating student.</b>														
<b>Criteria for Student Success</b>															
<b>Program Success Target for this Measurement</b>	70% will be accepted into biology-related jobs or subsequent training.	<b>Percent of Program Achieving Target</b>	100%												
<b>Methods</b>	<p>For 2019-2020 our WKU MLS students have employment:</p> <table border="1"> <thead> <tr> <th><b>Student (Advisee)</b></th> <th><b>Date of Graduation</b></th> <th><b>Place of Employment</b></th> </tr> </thead> <tbody> <tr> <td>Ryan Casing</td> <td>Vanderbilt 2020</td> <td>Molecular &amp; Infectious Disease Lab Vanderbilt</td> </tr> <tr> <td>Michaela Redding</td> <td>Owensboro 2020</td> <td>Franklin Med Center</td> </tr> <tr> <td>Brooke Walden</td> <td>Owensboro 2020</td> <td>Medical Center BG</td> </tr> </tbody> </table> <p align="center">All three WKU MLS students are employed in medical laboratories.</p>			<b>Student (Advisee)</b>	<b>Date of Graduation</b>	<b>Place of Employment</b>	Ryan Casing	Vanderbilt 2020	Molecular & Infectious Disease Lab Vanderbilt	Michaela Redding	Owensboro 2020	Franklin Med Center	Brooke Walden	Owensboro 2020	Medical Center BG
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