



Student Learning Outcome Assessment

Medical Laboratory Technician
Spring 2018

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Q3 - What did you like about this program?

I enjoyed the aspect of the lab testing methods in class. I feel like this area could use some additional work/enhancement. Lots of our work in the real world is actually running the test and troubleshooting common problems. I also really enjoyed the clinical site work, although it can feel daunting at first students learn a lot from the clinical experience.

I like the interaction of the lab setting. I also like that the instructors are ready and willing to answer any questions that we have.

I liked that it was a hands on program that prepared me for my job. It was practical and helpful. I feel confident in my abilities and knowledge.

I think that it is a very good program. They prepare you very well for clinical and for the BOC exam.

Instructors were understanding and cooperative with our needs for class.

I enjoyed the hands on training correlation with class.

Getting the opportunity to go out and do a full semester of clinical experience at hospitals in the surrounding areas.

Overall I thought the program was set up very well. The instructors were knowledgeable, always available to answer questions, and used lecture and lab time efficiently. While I may have felt uncomfortable with a skill while learning it, there really wasn't anything which I felt inadequately prepared for during clinicals. I guess the two things I really appreciated was 1. grades were posted extremely fast - I think the longest I ever had to wait was a couple days (and that was rarely) and 2. the instructors were always available to take extra time to answer questions, go over homework, etc. - which means a lot to a student. Academic coaching sessions were also very helpful. Not sure if this is typical of all MLT programs, but I really enjoyed getting to do a whole semester of full time clinicals, plus the short introduction to clinicals the year before. Wouldn't have been nearly as comfortable the last semester if I hadn't gotten over my nerves the first time. These are kinda vague, but I liked basically everything besides what I would change below.

I enjoyed the amount of hands on laboratory experience we had. Both in and out of the classroom. The instructors were both great at applying their experiences to help us with getting prepared for the career.

Q4 - What would you change about this program?

I feel more practical testing in some of the areas such as immunology and urinalysis. These areas have some complex testing that I had not experienced and I felt like I didn't fully understand the tests when I viewed them at the clinical site. I think that additional time should be spent learning about flow cytometry and fluid analysis. We spend lots of time learning about the different chemical testing methods on obscure bacteria and viruses that almost never gets utilized and when I am at my clinical site they have testing methods and processing of fluids and flow cytometry that I have barely even heard of. I know that knowing the basics of all the different microbiology is valuable but there are other areas such as immunology testing and fluids and flow cytometry.

The lectures could be a little more interactive. Instead of just listening to information that we can read on the powerpoints we could do activities. They are more of a learning experience than listening to a lecture in my opinion.

I would add more time for phlebotomy experience. I know this is difficult with the packed schedule already.

There is a lot of new technology, many of the methods taught in our classes are no longer applicable to the actual work environment. In one area of my clinical I had to forget everything I learned in class because they had completely different methods of administering their test. A lot of the information covered is not even seen in the new technology.

Nothing in particular.

Less assignments towards the end of the semester.

Those first two timed lab practicals (for urines and basic heme), were extremely nerve-wrecking and I know I lost accuracy to speed. Not sure why the timing is necessary as that's not going to be an expectation in the real world (at least not quite to that extent). Having the whole lab time seemed a lot better. This is really the main thing for this question. Sometimes lecture didn't have enough time and lab had too much- but that wasn't always the case. There really seemed to be an incredible amount of homework - but maybe that's expected Tests - I liked having more rather than just a few so there wasn't so much info to go over, but at the same time it felt like there was never a break from tests ... so that probably cant be remedied. Also, not sure if this would be at all doable since there are so many different programs out there - but a basic introduction to using LIS would be so beneficial, as that is a huge part of lab work but we get no experience with it.

The program is very fast paced which can be a challenge. The curriculum which is now overseen by Xxxx needs to be looked over so what she is teaching is more consistent with the exams and coursework.

Q6 - As a result of this program: I have learned effective communication skills.

#	Answer	%	Count
1	Strongly Disagree	0.00%	0
2	Disagree	0.00%	0
3	Neither Agree nor Disagree	22.22%	2
4	Agree	55.56%	5
5	Strongly Agree	22.22%	2
	Total	100%	9

Q7 - Provide any comments you have on effective communication skills you learned.

I feel that I have learned communication skills as they apply to my profession.

The clinical experience I was given by WWTC was extremely valuable to me and it taught me a lot about communication in the work place

Learned how to communicate with lab techs and lab supervisors with scheduling conflicts.

Working in group setting/projects was helpful in learning how to convey my thoughts to others.

Q8 - As a result of this program: I am able to apply mathematical concepts.

#	Answer	%	Count
1	Strongly Disagree	0.00%	0
2	Disagree	0.00%	0
3	Neither Agree nor Disagree	11.11%	1
4	Agree	66.67%	6
5	Strongly Agree	22.22%	2
	Total	100%	9

Q9 - Provide any comments you have on mathematical concepts you learned.

I struggle to recall the mathematics we used as they don't seem to be used very often (if at all) in a way that isn't already automated.

Learned how to dilute specimens and how to report it out with comments.

Most definitely had to keep my basic mathematical skills current - or at least recall them for each semester.

Q10 - As a result of this program: I learned how to transfer social and natural science theories into practical application.

#	Answer	%	Count
1	Strongly Disagree	0.00%	0
2	Disagree	0.00%	0
3	Neither Agree nor Disagree	11.11%	1
4	Agree	55.56%	5
5	Strongly Agree	33.33%	3
	Total	100%	9

Q11 - Provide any comments you have on transferring social and natural science theories into practical applications.

We learned the theories behind the testing that we do. I feel like this helps me understand my job better.

As pertains to applying the science of the body into real life conditions - yes. Not as much on the social theories.

Q12 - As a result of this program: I learned critical thinking skills.

#	Answer	%	Count
1	Strongly Disagree	0.00%	0
2	Disagree	0.00%	0
3	Neither Agree nor Disagree	0.00%	0
4	Agree	22.22%	2
5	Strongly Agree	77.78%	7
	Total	100%	9

Q13 - Provide any comments you have on critical thinking skills you learned.

I have been able to think through possible reasons for many situations, whether they are disease processes or testing procedures.

Learned how to differentiate between normal and abnormal cells and cell structure. Applied the sample to real life situations.

Biggest thing I learned about this was that I actually have to take the time to think since its not going to come effortlessly.

Q14 - As a result of this program: I have learned to use technology effectively.

#	Answer	%	Count
1	Strongly Disagree	0.00%	0
2	Disagree	0.00%	0
3	Neither Agree nor Disagree	22.22%	2
4	Agree	44.44%	4
5	Strongly Agree	33.33%	3
	Total	100%	9

Q15 - Provide any comments you have on what you learned about using technology effectively.

I have learned quite a bit about using technology for testing purposes. I do have much to learn in terms of patient results and reporting.

Learned how to operate medical equipment.

Able to learn how to use EPIC system with both hospital setting. Able to see WAM program and used it to result out patient and or QC samples.

Most definitely had to consistently use technology throughout, but didn't really focus on it.

Q16 - As a result of this program: I have learned to value myself and work ethically with others in a diverse population.

#	Answer	%	Count
1	Strongly Disagree	0.00%	0
2	Disagree	0.00%	0
3	Neither Agree nor Disagree	0.00%	0
4	Agree	66.67%	6
5	Strongly Agree	33.33%	3
	Total	100%	9

Q17 - Provide any comments you have on what you learned about valuing yourself and working ethically with others in a diverse population.

I have learned to value the limited time given to learn hands on as much as I can.

Have found it easy and enjoyable to work with a variety of people - every group and individual holds interest.

Q18 - As a result of this program: I am able to make decisions that incorporate the importance of sustainability.

#	Answer	%	Count
1	Strongly Disagree	0.00%	0
2	Disagree	0.00%	0
3	Neither Agree nor Disagree	22.22%	2
4	Agree	55.56%	5
5	Strongly Agree	22.22%	2
	Total	100%	9

Q19 - Provide any comments you have on what you learned about incorporating the importance of sustainability in decisions you make.

I've gotten better as organization in order to improve speed and better complete my work.

Q21 - As a result of this program, I learned to: practice laboratory safety and regulatory compliance.

#	Answer	%	Count
1	Strongly Disagree	0.00%	0
2	Disagree	0.00%	0
3	Neither Agree nor Disagree	11.11%	1
4	Agree	22.22%	2
5	Strongly Agree	66.67%	6
	Total	100%	9

Q22 - Provide any comments you have about learning this program outcome.

Safety is the number one importance in lab. Without these regulatory compliance, lab wouldn't be the same.

Absolutely learned about it all, but may not consistently apply it ...

Q23 - As a result of this program, I learned to: collect and process biological specimens for analysis.

#	Answer	%	Count
1	Strongly Disagree	0.00%	0
2	Disagree	0.00%	0
3	Neither Agree nor Disagree	0.00%	0
4	Agree	11.11%	1
5	Strongly Agree	88.89%	8
	Total	100%	9

Q24 - Provide any comments you have about learning this program outcome.

Patient identification is the most important step in collecting specimen. It can be a rewarding or a life threatening situation.

This is basically second nature.

Q25 - As a result of this program, I learned to: monitor and evaluate quality control in the laboratory.

#	Answer	%	Count
1	Strongly Disagree	0.00%	0
2	Disagree	0.00%	0
3	Neither Agree nor Disagree	0.00%	0
4	Agree	11.11%	1
5	Strongly Agree	88.89%	8
	Total	100%	9

Q26 - Provide any comments you have about learning this program outcome.

quality control is VERY important and that was taught to us well in this program.

Quality Control is very important. If it's out of range you can not run patient specimen as it would give false result.

Feel very efficient at this as well.

Q27 - As a result of this program, I learned to: apply modern clinical methodologies including problem solving and troubleshooting according to predetermined criteria.

#	Answer	%	Count
1	Strongly Disagree	0.00%	0
5	Strongly Agree	44.44%	4
3	Neither Agree nor Disagree	11.11%	1
2	Disagree	0.00%	0
4	Agree	44.44%	4
	Total	100%	9

Q28 - Provide any comments you have about learning this program outcome.

I feel like some of the information is slightly out of date. In blood bank some of the focus on common problems should be emphasized more than the rare A variants. EX reloux and cold agglutinins.

Could improve on this - tend to just ask someone else instead of trying to figure problems out myself, but if left with it I know I can solve most problems

Q29 - As a result of this program, I learned to: correlate laboratory results to diagnosis of clinical conditions and/or diseases.

#	Answer	%	Count
1	Strongly Disagree	0.00%	0
2	Disagree	0.00%	0
3	Neither Agree nor Disagree	0.00%	0
4	Agree	33.33%	3
5	Strongly Agree	66.67%	6
	Total	100%	9

Q30 - Provide any comments you have about learning this program outcome.

I feel some knowledge of this is important to understand but at the clinical setting it seems we just report values and doctors do the diagnosing.(maybe less emphasis here)

There is so many different diseases and conditions that make recalling all but the most basic bits incredibly difficult.

Learning how to differentiate between signs and symptoms a person may have that can help with the diagnosis of the person

Again this is something I need to actually stop and think about (besides basic ones) - which I don't always take the time to do.

Q31 - As a result of this program, I learned to: perform information processing in the clinical laboratory.

#	Answer	%	Count
1	Strongly Disagree	0.00%	0
2	Disagree	0.00%	0
3	Neither Agree nor Disagree	22.22%	2
4	Agree	44.44%	4
5	Strongly Agree	33.33%	3
	Total	100%	9

Q32 - Provide any comments you have about learning this program outcome.

This is an area that could be improved on in this program.

Not sure about this.

Q33 - As a result of this program, I learned to: model professional behaviors, ethics, and appearance.

#	Answer	%	Count
1	Strongly Disagree	0.00%	0
2	Disagree	0.00%	0
3	Neither Agree nor Disagree	0.00%	0
4	Agree	44.44%	4
5	Strongly Agree	55.56%	5
	Total	100%	9

Q34 - Provide any comments you have about learning this program outcome.

Pretty sure I stuck to this most of the time.

Q35 - CONCLUSION Please use this space to share any other feedback, comments, or suggestions about your experience at Western Technical College.

I think the clinical experience needs to be more flexible in where students go for specific time amounts based on the lab. At the very least there should be one week where students get to choose an area they are least comfortable and could use additional training.

I had a great experience at WTC. The smaller class sizes made me feel like the instructors could focus on the needs of each student and answer questions thoroughly. The instructors explain everything in a concise but effective manner. I will be able to use the knowledge that I gained in this program effectively in my future career.

I am thankful that I came to this school and this program. I feel that I am prepared for the next step in my life. I have a Bachelor's and have experience with a four year college, and I would say that this experience has been more meaningful and helpful.

Let the students know earlier if the school is cancelling classes. Some students go out to clinical pretty early and would like to know and not waste time. Some drives are far.

I absolutely loved this program and do not regret the choice to enter it at all!!