



Student Learning Outcome Assessment

Bio-Medical Electronics
Spring 2018

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Q3 - What did you like about this program?

People in the program are friendly and respectful. Program offer a way to get into the medical field without having to deal directly with patients. There were a lot of great information that will help me understand and aide in doing the job right when I graduate and get a job.

The program prepared me well. Most of the things I learned will be put in use at my job.

The technical oriented learning and experience

Hands on experience

Hands on experience and actually working on equipment

I liked that we often got in the field experience- with clinicals, internship, and the Health Science Center, giving us the opportunity to apply our in class knowledge. It is also easier for me to remember something after physically doing it.

I liked the hands on experience through Gunderson and my internship through the program.

Q4 - What would you change about this program?

I would like to see more hands on type of teaching.

More hands-on troubleshooting.

nothing

Less credits per term

More looking at equipment while learning about. Somethings we didn't get to interact with equipment we are learning about

It would be nice to have more equipment in house, or to travel to places to learn the equipment lesson at the same time we work on it. I think that would help with information retention.

There is nothing I would want to change about this program.

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	0.00%	0
4	Agree	57.14%	4
5	Strongly Agree	42.86%	3
	Total	100%	7

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

Communication skill were effective prior to this program

I have learned job specific communication, and feel comfortable writing technical reports for work settings.

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	0.00%	0
4	Agree	71.43%	5
5	Strongly Agree	28.57%	2
	Total	100%	7

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

I have used math before entering this program

application of mathematical concepts into electronics

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

#	Answer	%	Count
1	Strongly Disagree	0.00%	0
2	Disagree	0.00%	0
3	Neither Agree nor Disagree	0.00%	0
4	Agree	100.00%	7
5	Strongly Agree	0.00%	0
	Total	100%	7

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

Reassure patients when walking in room to check on equipment- reassure that nothing is wrong, identify yourself, explain what you are doing.

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	85.71%	6
5	Strongly Agree	14.29%	1
	Total	100%	7

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

Not all answers were given directly

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	0.00%	0
4	Agree	57.14%	4
5	Strongly Agree	42.86%	3
	Total	100%	7

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

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	71.43%	5
5	Strongly Agree	28.57%	2
	Total	100%	7

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

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	0.00%	0
4	Agree	71.43%	5
5	Strongly Agree	28.57%	2
	Total	100%	7

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

recycling and e-waste procedures

Q21 - As a result of this program, I learned to: demonstrate clinical workplace ethics.

#	Answer	%	Count
1	Strongly Disagree	0.00%	0
2	Disagree	0.00%	0
3	Neither Agree nor Disagree	0.00%	0
4	Agree	28.57%	2
5	Strongly Agree	71.43%	5
	Total	100%	7

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

Really liked going to Gundersen to do clinicals. A great way to see what the job is like.

Covered in depth

I learned and abide by HIPPA rules

Q23 - As a result of this program, I learned to: utilize knowledge of anatomy, physiology, and medical terminology.

#	Answer	%	Count
1	Strongly Disagree	0.00%	0
2	Disagree	0.00%	0
3	Neither Agree nor Disagree	0.00%	0
4	Agree	57.14%	4
5	Strongly Agree	42.86%	3
	Total	100%	7

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

I don't know about utilize but learned a lot of anatomy, physiology, and medical terminology

Learning terminology helps talk to nursing and other medical staff as it relates to equipment and learning what happened while the problem occurred.

Q25 - As a result of this program, I learned to: demonstrate understanding of the machine/physiology interface.

#	Answer	%	Count
1	Strongly Disagree	0.00%	0
2	Disagree	0.00%	0
3	Neither Agree nor Disagree	0.00%	0
4	Agree	71.43%	5
5	Strongly Agree	28.57%	2
	Total	100%	7

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

Q27 - As a result of this program, I learned to: support others in the operation of bio-medical equipment.

#	Answer	%	Count
1	Strongly Disagree	0.00%	0
2	Disagree	0.00%	0
3	Neither Agree nor Disagree	0.00%	0
4	Agree	28.57%	2
5	Strongly Agree	71.43%	5
	Total	100%	7

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

Can thoroughly and confidently explain myself and my actions to others

Q29 - As a result of this program, I learned to: maintain bio-medical equipment using test equipment and hand tools.

#	Answer	%	Count
1	Strongly Disagree	0.00%	0
2	Disagree	0.00%	0
3	Neither Agree nor Disagree	0.00%	0
4	Agree	42.86%	3
5	Strongly Agree	57.14%	4
	Total	100%	7

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

Q31 - As a result of this program, I learned to: demonstrate basic electronics skills.

#	Answer	%	Count
1	Strongly Disagree	0.00%	0
2	Disagree	0.00%	0
3	Neither Agree nor Disagree	0.00%	0
4	Agree	71.43%	5
5	Strongly Agree	28.57%	2
	Total	100%	7

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

Q33 - As a result of this program, I learned to: demonstrate a competency of computers and networks used with bio-medical equipment.

#	Answer	%	Count
1	Strongly Disagree	0.00%	0
2	Disagree	0.00%	0
3	Neither Agree nor Disagree	0.00%	0
4	Agree	85.71%	6
5	Strongly Agree	14.29%	1
	Total	100%	7

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

The basic computer skills class was not useful but the networking class was more informative. The networking class could have gone more in depth of the skills we will use

Q35 - As a result of this program, I learned to: explain aspects of imaging systems.

#	Answer	%	Count
1	Strongly Disagree	0.00%	0
2	Disagree	0.00%	0
3	Neither Agree nor Disagree	0.00%	0
4	Agree	28.57%	2
5	Strongly Agree	71.43%	5
	Total	100%	7

Q36 - Provide any comments you have about learning this program outcome.

Went over the aspects thoroughly but would be nice to get more real world experience. The demos helped get real work perspective

I can tell about x-ray systems in my sleep.

Q37 - CONCLUSION Please use this space to share any other feedback, comments, or suggestions about your experience at Western Technical College.

Overall, Biomedical Electronics is a great program to get into the medical field without having to deal with patients. I am proud to have decided to go to Western and to graduate in the Biomed program as well.

I thought all of the classes I took were helpful. It was great experience here at WTC. I learned a lot and I feel prepared.

Technical skills and class size were great but associates degrees are becoming stepping stones and in order to progress in most fields bachelors degree are becoming required

I love the hands on experience and should continue to do so. The small classes are nice and personable.

Small class sizes make it easier to learn and more personable. The little to no debt is also a plus.

I enjoyed my experience here at western and definitely would recommend others to attend this school and this program.