

Bio-Medical Electronics SLO Assessment, Spring 2013 Results

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Survey Overview

Description

Bio-Medical Electronics, Spring 2013

Instructions Provided To Respondents

There are four sections in this survey.

- The first section contains two questions about your overall experience in the program. Use this section to identify things you liked, things you would change, and to communicate any other comments about your overall experience in the program. If you have feedback about the instruction or anything else related to the overall program, please address that in one of these questions.
- The second section addresses the college core abilities. The core abilities are overall skills that all graduates should acquire during their experience at Western. Focus on yourself in this section.
- The third section addresses the specific outcomes for your program. Please focus on yourself in this section.
- The conclusion provides a comment section for any additional information you would like to share about your experience with your program and Western Technical College.

Thank you for completing this survey.

Respondent Metrics

Respondents: 9
First Response: 4/26/2013 10:34 AM
Last Response: 5/11/2013 06:03 PM

Survey Results

The following is a tabular depiction of the responses to each survey question. Additional comments provided by respondents, if any, are included after each table.

Section - General Overview of Program

Instructions Provided To Respondents

We appreciate your feedback, comments and suggestions. The information you provide will strengthen our program. Thank you.

1. What did you like about this program?

Course content. Experiences. The instruction of the program. (000000636 Anonymous)

How close the teachers are able to work with their students (000000637 Anonymous)

I like how we do a lot of hands on training. It really set me up for when I moved on to my internship at a hospital. I also like how Lilly, one of the program instructors, goes very in depth into the topics that she covers. Although going in depth can be boring at times, I look back and am happy for the in depth learning. (000000430 Anonymous)

I liked the fact that we had a very broad range of stuff to learn. I feel like I know a little about everything. Lilly was very knowledgeable and took the time to answer and explain our questions. (000000640 Anonymous)

I liked the hands on parts of the program. The internships were one of the biggest and best things it offered (000000349 Anonymous)

Internship experience was very helpfull. (000000557 Anonymous)

student to professor ratio and the amout of one on one time avalible (000000638 Anonymous)

student to professor ratio and the amout of one on one time avalible (000000639 Anonymous)

Very informative, prepared me for work in the biomed field. (000000558 Anonymous)

2. What would you change about this program?

Bigger room (000000637 Anonymous)

bigger room (000000638 Anonymous)

bigger room (000000639 Anonymous)

I thought the program was excellent. (000000558 Anonymous)

Jon didn't seem to understand that we were students who didn't know much about biomedical equipment. He spent most of our first year showing us videos that weren't related to biomed. Then he would let us out after being in class for 20 minutes. This was great at first but then looking back it seemed like he could've spent the class teaching instead of showing youtube videos. He also didn't like when we

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questioned him, he got very defensive and made me personally not comfortable asking questions. I believe I would've got more out of the program if I didn't feel threatened to ask questions that I either didn't understand or agree with. (000000640 Anonymous)

More time doing internships. (000000349 Anonymous)

The biomed text we used wasn't well written or easy to understand. Different biomed specific text should be utilized. (000000557 Anonymous)

There is not much I would change about the program. I think that the program classes really supplement each other, for example we will learn something in our electronics class and then go apply the recently learned info in a different class. (000000430 Anonymous)

Waiting list transparency and fairness. (000000636 Anonymous)

Section - Western Technical College Core Abilities

Instructions Provided To Respondents

This section addresses the college core abilities. The core abilities are overall skills that all graduates should acquire during their experience at Western. Focus on yourself in this segment. As a result of this program:

3. I have learned effective communication skills.

100% 9 Yes

4. Comments on effective communication skills.

Through emailing my program instructors, being put through many classes with different teachers, and going off site for classes, it forces you to learn good communication skills. (000000430 Anonymous)

5. I am able to apply mathematical concepts.

100% 9 Yes

6. Comments on application of mathematical concepts.

I love the math lab. It is a great environment to complete homework and stay on task. It helped me work through concepts that were difficult for me as well. (000000430 Anonymous)

7. I learned how to transfer social and natural science theories into practical applications.

100% 9 Yes

8. Comments on transferring social and natural science theories into practical applications.

I've found through my internship that everything we covered in program classes is very useful. (000000430 Anonymous)

9. I learned critical thinking skills.

100% 8 Yes

10. Comments on critical thinking skills.

Critical thinking is a must in the biomed field. Our teachers gave us as students a push to troubleshoot problems, general problems and with medical equipment. (000000430 Anonymous)

11. I have learned to use technology effectively.

100% 9 Yes

12. Comments on effective use of technology.

Western's electronics lab and biomed classroom have great technology that is related to things that I use on a daily basis in my internship. (Digital multi-meters, test equipment, safety analyzers, soldering irons and related equipment.) My internship is located at a prestigious hospital/campus and it is nice to say that some of the equipment at Western is newer with more features! (000000430 Anonymous)

13. I have learned to value myself and work ethically with others in a diverse population.

100% 9 Yes

14. Comments on valuing self and working ethically in a diverse population.**15. I am able to make decisions that incorporate the importance of sustainability.**

100% 8 Yes

16. Comments on incorporating the importance of sustainability.

I don't know what this means lol. (000000557 Anonymous)

Section - Specific Program Outcomes
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Instructions Provided To Respondents

This section addresses the specific outcomes for your program. Please focus on yourself in this section. As a result of this program, I learned to:

17. Demonstrate clinical workplace ethics.

100% 9 Yes

18. Comments about learning this program outcome.

I could write a decent amount about this, but the main point I'd like to get across is that Jon and Lilly really stress proper clinical ethics. I learned to think "If it was my Mother in the hospital and she was going to use the equipment that I fixed, how would I go about repairing this equipment?" (000000430 Anonymous)

19. Utilize knowledge of anatomy, physiology, and medical terminology.

100% 9 Yes

20. Comments about learning this program outcome.

We learned a lot about anatomy, physiology, and medical terminology. (000000430 Anonymous)

21. Demonstrate understanding of the machine/physiology interface.

100% 9 Yes

22. Comments about learning this program outcome.

Excellent (000000636 Anonymous)

Through "the wall of transducers," on-site experience, and lectures, I am very competent with machine/physiology interfacing. (000000430 Anonymous)

23. Instruct others in the operation of Biomedical equipment.

100% 9 Yes

24. Comments about learning this program outcome.

This is an important topic because a biomed is often finding user error. I learned how to communicate in a professional way with the user in order to make them feel like you are not putting them down, but helping them out. (000000430 Anonymous)

25. Maintain biomedical equipment using test equipment and hand tools.

100% 8 Yes

26. Comments about learning this program outcome.

Excellent instruction and experience of this (000000636 Anonymous)

We especially learned these things in our on-site experience. We also used plenty of test equipment and tools in electronics and fabrication techniques classes. (000000430 Anonymous)

27. Demonstrate basic electronics skills.

100% 9 Yes

28. Comments about learning this program outcome.

Western is extremely fortunate to have Mitch Shultz. As a student I could really tell that he is passionate about his work, and truly cares that the student succeeds. I don't think I would have the same experience with a different instructor. (000000430 Anonymous)

29. Demonstrate a competency of computers and networks used with biomedical equipment.

100% 9 Yes

30. Comments about learning this program outcome.

Lilly did a good job teaching us about medical networks and computer hardware. (000000430 Anonymous)

Taking networking classes offered by networking instructions would be helpful. (000000636 Anonymous)

31. Explain aspects of imaging systems.

100% 9 Yes

32. Comments about learning this program outcome.

I would have loved to have more hands on experience with imaging equipment. We did get a good amount of lectures in our imaging class. (000000430 Anonymous)

Very good content (000000636 Anonymous)

Section - Conclusion**Instructions Provided To Respondents**

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

33. Comments

Excellent experience overall. The waiting list needs to be transparent and fair. (000000636 Anonymous)

Great program. I would really like to thank all of my program instructors. I was offered a great job already because of my experience and hard work. I'd like to see Jon with more experience, he is a good instructor, and will get better in the future. (000000430 Anonymous)

I believe Lilly is a great teacher and Western should do whatever they can to keep her. I also believe Western should seriously look into the way Jon teaches and conducts himself towards students. He constantly told us that he had so much knowledge but I wish he would've tried to share that with us. (000000640 Anonymous)

I really like how this program not only taught me the skills about being a biomed, but it turned me into a more mature individual. (000000557 Anonymous)

Thanks for everything... (000000637 Anonymous)