



Student Learning Outcome Assessment

Electronic & Computer Engineering Technology
Spring 2015

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Overall Experience.....1

Instructions Provided:

“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.”

Core Abilities.....2

Instructions Provided:

“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 section.”

Program Outcomes.....5

Instructions Provided:

“This section addresses the specific outcomes for your program. Please focus on yourself in this section.”

Conclusion.....11

Instructions Provided:

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

OVERALL EXPERIENCE

1. What did you like about this program?

Text Response

In general, the amount of rigor really tests how much you care about and are willing to devote to this career path. Right away at day 1, you know whether or not you will be successful in this program. This is mostly thanks to both Mitch Shultz as an instructor and the level of math classes that need to be taken. Generally speaking, the instructors are very kind, easy to get along with, and are willing to help at any moment they are available; however, at times, I was afraid to ask for help. Also, sometimes goes through complex material a little too fast even when you go to him outside of class.

Statistic	Value
Total Responses	1

2. What would you change about this program?

Text Response

The only thing I would like to see change about this program is the Tech Math 2 course. I passed Tech Math 1A & 1B with flying colors, but Tech Math 2 was a totally different story. The level of difficulty in that class was unnecessary. The material was reasonably difficult, but the quizzes and exams were unnecessarily difficult. What ties into that is Andy will teach the material for a given quiz/exam, but before he gives us the quiz/exam for whatever material he had just taught, he will go through material from one, two, maybe three sections ahead of that material, which got me extremely lost and confused at times. I was bordering on a C in his class, so I decided to eventually drop it. As a result, I had no choice but to take the self study course later on, which went exceptionally well for me compared to how the classroom course did. The rest of the classes in this program were unnecessarily difficult at times, but there is really nothing that can be changed there because most of it is what it is. It is something the students can be proud of and prove their worth with when they graduate, especially if they do well in their coursework.

Statistic	Value
Total Responses	1

CORE ABILITIES

3. As a result of this program:

Question	Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree	Total Responses
I have learned effective communication skills.	0	0	0	0	1	1

4. Provide any comments you have on effective communication skills you learned.

Text Response

Before I started this program, I was a shy, unconfident, and not-so-outgoing person. Since then, I have had a better time conversing with other people and it has been easier doing so.

Statistic	Value
Total Responses	1

5. As a result of this program:

Question	Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree	Total Responses
I am able to apply mathematical concepts.	0	0	0	0	1	1

6. Provide any comments you have on mathematical concepts you learned.

Text Response

I will have to say even though Tech Math 2 was quite a burden, I have had the opportunity to learn and apply my mathematical skills to my everyday life more quickly and more often. I think this was mostly thanks to me being forced to take the self study course.

Statistic	Value
Total Responses	1

7. As a result of this program:

Question	Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree	Total Responses
I learned how to transfer social and natural science theories into practical applications.	0	0	0	0	1	1

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

Text Response

As weird as it might sound, learning how to idealize the concepts that I learned from taking this program and how to put them into practice made me an overall brighter and sharper-thinking person.

Statistic	Value
Total Responses	1

9. As a result of this program:

Question	Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree	Total Responses
I learned critical thinking skills.	0	0	0	0	1	1

10. Provide any comments you have on critical thinking skills you learned.

Text Response

The last comment applies here.

Statistic	Value
Total Responses	1

11. As a result of this program:

Question	Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree	Total Responses
I have learned to use technology effectively.	0	0	0	0	1	1

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

Text Response

I have always known how to use technology effectively, but if learning how to assemble, utilize, and manipulate circuits and their components applies to this question then I definitely learned numerous things.

Statistic	Value
Total Responses	1

13. As a result of this program:

Question	Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree	Total Responses
I have learned to value myself and work ethically with others in a diverse population.	0	0	0	0	1	1

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

Text Response

Since taking this program, I have been able to place a higher self-worth on myself and am generally more confident. Brushing up on my ethics has certainly not hurt because it directly correlates with teams and how they work together.

Statistic	Value
Total Responses	1

15. As a result of this program:

Question	Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree	Total Responses
I am able to make decisions that incorporate the importance of sustainability.	0	0	0	0	1	1

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

Text Response

This is tied in with having more confidence.

Statistic	Value
Total Responses	1

PROGRAM OUTCOMES

17. As a result of this program, I learned to:

Question	Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree	Total Responses
identify and solve problems, applying knowledge in a critical, creative and ethical manner.	0	0	0	0	1	1

18. Provide any comments you have about learning this program outcome.

Text Response

My critical and creative thinking skills were significantly improved throughout this program.

Statistic	Value
Total Responses	1

19. As a result of this program, I learned to:

Question	Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree	Total Responses
demonstrate a basic understanding of applied physics.	0	0	0	0	1	1

20. Provide any comments you have about learning this program outcome.

Text Response

Statistic	Value
Total Responses	0

21. As a result of this program, I learned to:

Question	Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree	Total Responses
build or assemble electromechanical/electronic hardware.	0	0	0	0	1	1

22. Provide any comments you have about learning this program outcome.

Text Response

I made a comment about this earlier.

Statistic	Value
Total Responses	1

23. As a result of this program, I learned to:

Question	Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree	Total Responses
adhere to proper safety practices and procedures.	0	0	0	0	1	1

24. Provide any comments you have about learning this program outcome.

Text Response

I have never had any troubles following proper safety practices and procedures in the past, but practice makes perfect.

Statistic	Value
Total Responses	1

25. As a result of this program, I learned to:

Question	Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree	Total Responses
use appropriate test equipment and troubleshooting techniques to repair or locate defective circuits or components in electrical/electronic systems.	0	0	0	0	1	1

26. Provide any comments you have about learning this program outcome.

Text Response

I cannot begin to explain how much I have learned about test equipment by taking this program. Also, my troubleshooting techniques have improved exponentially.

Statistic	Value
Total Responses	1

27. As a result of this program, I learned to:

Question	Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree	Total Responses
demonstrate a basic understanding of analog and digital communications systems.	0	0	0	0	1	1

28. Provide any comments you have about learning this program outcome.

Text Response

The CET Project course really shows you how much you understand in the end, which I have definitely demonstrated a basic understanding of analog and digital communications systems.

Statistic	Value
Total Responses	1

29. As a result of this program, I learned to:

Question	Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree	Total Responses
demonstrate effective programming skills.	0	0	0	0	1	1

30. Provide any comments you have about learning this program outcome.

Text Response

My programming skills by taking this program have improved ten-fold.

Statistic	Value
Total Responses	1

31. As a result of this program, I learned to:

Question	Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree	Total Responses
develop and construct a basic data acquisition and control system.	0	0	0	0	1	1

32. Provide any comments you have about learning this program outcome.

Text Response

This is also where the CET Project course comes into play.

Statistic	Value
Total Responses	1

33. As a result of this program, I learned to:

Question	Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree	Total Responses
demonstrate a basic understanding of networks and networking.	0	0	0	0	1	1

34. Provide any comments you have about learning this program outcome.

Text Response

Again, the CET Project course comes into play here.

Statistic	Value
Total Responses	1

35. As a result of this program, I learned to:

Question	Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree	Total Responses
demonstrate an understanding of computer hardware, operating systems and application software.	0	0	0	0	1	1

36. Provide any comments you have about learning this program outcome.

Text Response

Statistic	Value
Total Responses	0

37. As a result of this program, I learned to:

Question	Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree	Total Responses
demonstrate a solid foundation in electronic circuits and systems.	0	0	0	0	1	1

38. Provide any comments you have about learning this program outcome.

Text Response

Statistic	Value
Total Responses	0

CONCLUSION

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

Text Response

It is not my intention to be mushy here, but taking the CET program here at Western has truly been the best experience of my life. I have met some great people, made numerous friends, and have gained a wealth of knowledge that a bunch of people I personally know would kill to have. Especially considering I am 1 of the last 4 people standing in this program when we started with 12 or 13, I feel I have truly earned my way to graduation and have done my share of good work in this program. The amount of rigor in this program has helped almost eliminate my laziness, has taught me to have more patients, and have more general appreciation in life. I would not have traded the last two years for anything and will be a great memory to share for the rest of my life.

Statistic	Value
Total Responses	1