

Western Student Learning Results (Program Outcomes) for 2011

Source: Student

of Grads: 13

Program: Electromechanical Technology

of Responses: 13

Outcome	Yes	No	Unk	NA	Result	Feedback
What did you like about this program?	13 100.00%	0	0	0		
					Yes	I liked the hands on experience that was gained. Also I think that the small classes that Western offers are great because the teacher to student time is awesome and very helpful. This was also a great program because it gives me a wide variety of knowledge and opens my job potential very far.
					Yes	I liked the labs and hands on experience that I gained from the program.
					Yes	It was a very personal experience. The Instructors cared about how I did, and work to help me succeed.
					Yes	The instructors are very helpful and have care about your success.
					Yes	I learned a lot in the program and think the instructors did an excellent job of getting me ready for a job in the field.
					Yes	the number of students was very good and easily manageable.
					Yes	a lot of real world hands-on learning.
					Yes	I enjoyed all my classes.
					Yes	I like that Bill Welch taught the majority of it. You should dedicate something electrical related in his honor. If you don't I think it would be serious injustice considering the Welch name at this institution.
					Yes	I was introduced to many aspects of electrical power systems and automated control systems
					Yes	The broad field of focus.
					Yes	Hands on learning,and I was able to see how Mechanical drives and mechanisms work.
What would you change about this program?	13 100.00%	0	0	0		
					Yes	I can't think of anything, it was a great experience for me!
					Yes	the program was good as a whole, if possible I would like to see a change in the general classes.
					Yes	Nothing
					Yes	I would add more printed reference material for the lab assignments in the final semester
					Yes	nothing
					Yes	More funding for larger class projects.
					Yes	The only thing I would Change about the program might be to add a little more in depth instruction concerning PLC programming.
					Yes	I would have mitch schultz instruct more classes for the benefit of the students. The man is brilliant.
					Yes	I liked the program just the way it was.
					Yes	Tech. Math, It was I killer for me, but I do understand way it was needed.
					Yes	I would add welding to the program.

Outcome	Yes	No	Unk	NA	Result	Feedback
					Yes	I think I would get rid of some of the non essential classes and concentrate on the core coarses. It's much more important to get the maximum time from the instructors learning what we'll be using on our jobs.
Use effective communication skills.	13	100.00%	0	0	0	<p>Yes Yes Yes Yes Yes Yes Yes Yes</p> <p>Communication is a very important skill to all jobs. learned to huse effective communication skills well. I was able to understand and give feedback. Communication skill was great. YES very good as far as the program classes, not so much in general classes. Yes, working in groups frequently forced communication. Yes. I have no problem with that area of instruction. I have learned a lot about written communications and how to deal with peers and co-workers. My experience presenting ideas to larger groups will benefit me.</p>
Apply mathematical concepts.	13	100.00%	0	0	0	<p>Yes Yes Yes Yes Yes Yes Yes</p> <p>Yes. Math is not my forte' but tech math with Todd Shaw was a terrific learning tool I'll be able to use at home and on the job. It was hard for me to start thinking about complex math, because I had been out of school for a long time. Most of my instructors were very patient and understanding. I feel like I have a better grasp on mathematical concepts. Math is used in all jobs and is essensial to electromechanical. I believe Tech Math 1 should be spilt into two semesters. And there should be a better screeing process before allowing students to take Tech Math 1. I had I very hard time with Tech. Math 1B, but I was able to retake the clas; self study in the math lab and with instructors help I was able to get through it. very good YES</p>
Transfer social and natural science theories into practical applications.	13	100.00%	0	0	0	<p>Yes Yes Yes Yes Yes Yes</p> <p>Yes, good teaching. All of the classes that I took mixed nicely with each other in helping me to gain a broader understanding of social principals. I really enjoyed my physics class also. Not really. Again, I think the core classes are the most important. Yes. YES some, that are relavant.</p>
Demonstrate ability to think critically.	13	100.00%	0	0	0	<p>Yes Yes</p> <p>Yes. All the time. YES</p>

Outcome	Yes	No	Unk	NA	Result	Feedback
					Yes	I haven been able to review my peers work and offer suggestions and ideas through much of my work. It has helped me to look at something critically and objectively.
					Yes	yes.
					Yes	Yes, good trouble shooting exercises.
					Yes	oh yeah all the time.
Demonstrate ability to value self and work ethically with others in a diverse population.	13	100.00%	0	0	0	
					Yes	Sure.
					Yes	Yes. As diverse as our class was work should be easy!
					Yes	My class had a variety of ages and ethnic groups of people. I have come to respect everyone's ideas given their backgrounds and culture.
					Yes	Yes
Use technology effectively.	13	100.00%	0	0	0	
					Yes	Yes, a good assortment of tools to use.
					Yes	This was very well done. Things that we use in the program are up to date and nice to use.
					Yes	Very much so. The course is designed to give us the very latest in technology.
					Yes	I have learned so much about computers and networking systems. It is also exciting to learn about new advances in technology, such as wind power.
Make decisions that incorporate the importance of sustainability	13	100.00%	0	0	0	
					Yes	Yes.
					Yes	How to set up systems that will stand the test of time and be there in the future.
					Yes	Yes.
Build or assemble electromechanical hardware	12	100.00%	0	0	0	
					Yes	Yes.
					Yes	We made multi meters and DC power supplies, as well as our group final project.
Adhere to proper safety practices and procedures	13	100.00%	0	0	0	
					Yes	Yes.
					Yes	We had several class periods relating to safety in the workplace and electrical safety.
					Yes	Yes.
Troubleshoot and repair electromechanical and electronic equipment and systems	13	100.00%	0	0	0	
					Yes	Yes.
					Yes	Yes, but I would like to have more of that, if possible.
					Yes	Our PC systems class helped us to design, build and put together a system, and troubleshoot any problems.

Outcome	Yes	No	Unk	NA	Result	Feedback
					Yes	Could be more of this
Perform preventative maintenance	13 100.00%	0	0	0	Yes Yes Yes	yes, a little Yes. We learned different various hydraulic systems and preventative maintenance.
Maintain parts and equipment inventory including service documentation.	13 100.00%	0	0	0	Yes Yes Yes	In PC applications, we learned about spreadsheets and excel applications to help with organization and documentation. just documentation Yes.
Modify, install, maintain, and program electronic and electromechanical systems	13 100.00%	0	0	0	Yes Yes Yes	We learned PLC programming and setting up networking systems. With our project we were able to build a project that uses our acquired knowledge. Yes.
Modify, install, and maintain hydraulic and pneumatic systems.	13 100.00%	0	0	0	Yes Yes Yes	Yes, we had good classes that showed us the importance of learning these systems. Yes. I learned basic techniques for installing these systems.
Install, modify and program industrial network systems on the devices and control levels.	13 100.00%	0	0	0	Yes Yes	The program for industrial networking and control systems was very informational for installing, maintaining and troubleshooting these systems. Yes.
Aggregate Assessment of Achievement	220 100.00%	0	0.00%	0	0	