

Western Student Learning Results (Program Outcomes) for 2011

Source: Student

of Grads: 7

Program: Elec & Computer Eng Tech - CET

of Responses: 5

<u>Outcome</u>	<u>Yes</u>	<u>No</u>	<u>Unk</u>	<u>NA</u>	<u>Result</u>	<u>Feedback</u>
What did you like about this program?	5 100.00%	0	0	0		
					Yes	The ability to transfer to a Bachelor's degree, as well as the competency and support from the staff at Western.
					Yes	Yes, but I felt that the programming aspect weren't as helpful as it couldve been. I didn't feel the the course that I took for programming sufficiently prepared me for transferring to UW-L's computer science program.
					Yes	There was both hardware and software.
					Yes	Studying both the hardware and software side of electronics was nice. The course load to finish in 2 years and transfer was a bit intense.
					Yes	I liked that we got to learn some of the electronics as well as programming. And a lot of the learning process was hands on.
What would you change about this program?	5 100.00%	0	0	0		
					Yes	Start programming in the first year and continuing it throughout the next semesters would be very helpful.
					Yes	I would align the programming classes more closely with that of UWL's and focus on teaching programming fundamentals rather than covering so many languages.
					Yes	There are some issues with the credit load taking Calculus 1 & 2 for transfer, but these did not affect me because I had taken them ahead of time.
					Yes	I feel we played around with to many computer languages, it would be beneficial to learn one language well then learn eight.
					Yes	Instead of offering 2-3 different programming languages, I would like to concentrate on one language.
Use effective communication skills.	4 80.00%	1 20.00%	0	0		
					Yes	I am much more comfortable talking about technical matters and my communication skills in general have improved.
					Yes	I believe I was able to learn the skills necessary to communicate effectively. The Technical Reporting class I went through was very good.
					No	Need to be more clear about transfer to UWL.....Misleading
Apply mathematical concepts.	5 100.00%	0	0	0		
					Yes	Electronics and programming is nothing if not the application of mathematical concepts!
					Yes	Def. challenged
					Yes	Yes I enjoyed math before this but seen ways to apply it have made it much more useful.
Transfer social and natural science theories into practical applications.	5 100.00%	0	0	0		

Outcome	Yes	No	Unk	NA	Result	Feedback
					Yes	i feel it worked out good
Demonstrate ability to think critically.	5 100.00%	0	0	0	Yes Yes	My abilities to read tech. information has increased greatly In some cases
Demonstrate ability to value self and work ethically with others in a diverse population.	5 100.00%	0	0	0	Yes	I was fortunate to have an excellent class of students to work with in and outside of school.
Use technology effectively.	5 100.00%	0	0	0	Yes	Yup
Make decisions that incorporate the importance of sustainability	5 100.00%	0	0	0	Yes	This topic should probably be covered more. It is something I am greatly interested in on my own.
Apply electronic theory to practice	4 80.00%	1 20.00%	0	0	Yes Yes	The CET project course gave us a great opportunity to do this, as well as the LabView final project. Yes. Tho, I think we couldve used a few more small build projects. Nothing on the scale of our final (CET) project, but smaller scale circuit design.
Operate test equipment	5 100.00%	0	0	0	Yes Yes Yes	Mostly learned in early DC/AC classes, but still stressed throughout the program. It might be nice to get more experience with logic analyzers or spectrum analyzers, if these can be incorporated into the Digital and Communications classes. Yes Being able to purchase those ancient oscilloscopes would be nice.
Build electronic circuits and systems	4 80.00%	1 20.00%	0	0	Yes Yes	Plenty of chances to do this! Yes
Evaluate the operation of electronic circuits or systems	4 80.00%	1 20.00%	0	0	Yes No	Yes The digital electronics classes need a lot of work.
Communicate technical information	5 100.00%	0	0	0	Yes Yes Yes	Yes needs work Not as many chances to do this, apart from just a few reports we do. Many of the labs are fill-in-the-blank style, which is necessary due to time limitations, but a few more free-form reports could be useful.

<i>Outcome</i>	<i>Yes</i>	<i>No</i>	<i>Unk</i>	<i>NA</i>	<i>Result</i>	<i>Feedback</i>
<i>Aggregate Assessment of Achievement</i>	66 94.29%	4 5.71%	0	0		