

Western Student Learning Results (Program Outcomes) for 2012

Source: Student

of Grads: 12

Program: IT-Web and Software Developer

of Responses: 9

Outcome	Yes	No	Unk	NA	Result	Feedback
What did you like about this program?	9 100.00%	0	0	0		
					Yes	I liked the hands-on technical classes.
					Yes	I think it was full of very 'fun to learn' courses if you are into web development or software design.
					Yes	I liked how we learned everything dealing with software development hands-on instead of using the book only.
					Yes	I think i liked the instructors the most. They connected with there students on a personal level that helped to achieve the maximum amount of learning in my opinion. I also enjoyed getting the wide range of learning that you acquire. Being able to program in all different forms of languages helps make sure that this is the program for you.
					Yes	Everything, I thought I had learned a great deal over the years on my own (which I have), but I was humbled by just how much more I've picked up here at WTC in two years.
					Yes	I like the teacher from this program because they are helpful, easy to work with and easy to understand. Most of the homework and projects are hands on and are not directly from the book which make my learning skills better. I also, like how each course is connected right after another, this make the class easy to learn. Also, the I really like how quickly the teachers response back to a student email.
					Yes	It was very interesting with a vast supply of different learning styles and topic.
					Yes	Good broad base of programming language
					Yes	I liked the environment.
What would you change about this program?	9 100.00%	0	0	0		
					Yes	Although I did like game development I personally believe that other platforms which boast better sales numbers should be the target which would mean learning another language.
					Yes	Have more programming classes and less gen-eds.
					Yes	I don't feel like there is a need to change, it is perfect as it is.
					Yes	I would change game development 3 and take out the android stuff and replace it with programming apple devices.
					Yes	Probably nothing, there was a good mix of some old concepts and language (HTML/RPG) and a nice variety of newer technologies (Xbox/Android).
					Yes	I would eliminate the Game Development emphasis to the program and concentrate on business application development solely.
					Yes	less XNA more Android
					Yes	If I would change anything it would be to Require a higher math course. I am finding that other four year colleges with a bachelors in programming require that the student have at least calculus Math level. Also I found that the combining of learning two programming languages could become overwhelming at times.

Outcome	Yes	No	Unk	NA	Result	Feedback
					Yes	A little less Microsoft and a little more cross-platform learning. Staying with more MS then other platforms, but a bit more non-MS.
Use effective communication skills.	9 100.00%	0	0	0	Yes	Yes, plenty of time spent helping others and presenting covered this.
					Yes	I did feel that effective communication was achieved through this program. from the instructors always being available to help you to working in groups and forming bonds that i believe will last beyond graduation.
					Yes	Absolutely, I now feel much more confident speaking as well as writing essays or business documents.
					Yes	We used a lot of oral communication and learned about PC communication skills as well.
Apply mathematical concepts.	9 100.00%	0	0	0	Yes	No comment
					Yes	Logic is a large part of this program and I now feel I think of almost everything in a logical sense.
					Yes	All though Math is required to be applied in programming I feel that it could be greatly improved. The required amount of math for the TC program fails in comparison to other schools. I am continuing for a bachelors in programming and have found that 3 out of five schools that i looked at require at least A math level of calculus just to start the program.
					Yes	Yes, mathematical concepts is key both for logic and in Xbox design.
					Yes	Definitely since it's software development that is one of the bases of many programs that we developed.
Transfer social and natural science theories into practical applications.	8 88.89%	1 11.11%	0	0	Yes	Social maybe, natural science, not that I noticed.
					Yes	Yes, I have used the theories and practices I have learned in my time at WTC to build my own personal websites and programs.
					No	I don't believe that I ever had to do anything remotely close to that. I am not sure how that would apply to a computer programmer and do not believe it to be a necessary tool to learn.
Demonstrate ability to think critically.	9 100.00%	0	0	0	Yes	Yes, programming requires this and there is no substitute, there is no way you could be a success without it.
					Yes	Every programming class we had to demonstrate this with coding.
					Yes	You have to as a computer programmer, your software can affect potentially thousands...I already know how that feels.
					Yes	This program has greatly improved my critical thinking abilities. from being able to create an appropriate response in the classroom to designing my code as my own with little to no errors.
Demonstrate ability to value self and work ethically with others in a diverse population.	9 100.00%	0	0	0	Yes	I appreciate 20 - 25 year olds much more than before.

Outcome	Yes	No	Unk	NA	Result	Feedback
					Yes	I feel that Western TC does a wonderful job of this in general. being in such a diverse environment and having team building exercises in almost every class that you take teaches you that the world is tough and how to handle it. you learn to value your work while you learn how to act with others to improve it.
					Yes	I've always been a people person but the communication courses and internship dinner were both good practice.
					Yes	Working together was appropriate in some classes, but it was over done in Game Dev and Android. When the whole class is working through a new concept it would be better to let the students communicate and help each other without forced associations.
Use technology effectively.	9	0	0	0	100.00%	
					Yes	No brainer, I could do that before I came here but I did indeed learn more.
					Yes	I feel that from this program you greatly improve your knowledge about technology then you could ever hope to learn. I thought going into this program that I had a good grasp on technology and found myself learning something every day.
Make decisions that incorporate the importance of sustainability	9	0	0	0	100.00%	
					Yes	I do feel this program effectively acts on this. Most of the classes taken end in a final project that forces you to manage your time and make decisions that will benefit you and help you sustain a healthy gpa
					Yes	Yes, I try to think of the long term, not just short term rewards from fixing or creating something the easy way.
Apply a creative, logical approach to software design.	9	0	0	0	100.00%	
					Yes	Yes, and I do believe game development did help the creative part.
					Yes	This is true especially the final semester.
					Yes	This program could not improve in this area. With the amount of freedom given to each student to make their own and the level of creative feedback that is given from the instructors I can walk away from this program feeling that all that I accomplished was my own.
Utilize traditional and object-oriented methodologies incorporating various programming languages on multiple platforms to create a variety of software applications.	9	0	0	0	100.00%	
					Yes	Again could not do better in this area. Learning all of the different languages that are taught and how to use them not only by themselves but together when the time calls is something that is used throughout your years at WTC. I feel as if I could walk into a job and just look at the computer and know what I will be doing.
					Yes	I still am lacking in confidence/experience with object-oriented methodologies.
Design normalized databases that can be used within various programming languages.	9	0	0	0	100.00%	

Outcome	Yes	No	Unk	NA	Result	Feedback
					Yes	This is achieved through the time spent at TC however I would not object to a more in depth learning experience in this. i feel that although it is touched on multiple times that there could be more learned from the normalizing and usage of databases.
					Yes	Yes, the courses were very helpful in learning SQL and working with databases.
					Yes	I am confident in this area.
					Yes	We did this throughout the entire program and learned it well by the end here.
Utilize principles of networking to support database and web services.	8 88.89%	1 11.11%	0	0		
					Yes	Somewhat...
					Yes	I feel that the addition of CISCO I is a necessity in this program. it gives the Programmers the ability to see the other side. i feel that just having that one class greatly increases ones chance at success in the world because we know whats on the other side.
Analyze and debug program code using modern debugging tools.	9 100.00%	0	0	0		
					Yes	Visual Studio yes, Eclipse not as much.
					Yes	I can't tell you how much this is emphasized. I feel as if i could sit down at a program and without hitting debug find multiple errors.
Demonstrate a strong work ethic, utilize time management skills, display initiative and work cooperatively as part of an effective team.	9 100.00%	0	0	0		
					Yes	Time management is greatly emphasized in this program as well as a good work ethic. both are put to the test at the end of every semester.
					Yes	Absolutely.
Aggregate Assessment of Achievement	133 98.52%	2 1.48%	0	0		