

# Western Student Learning Results (Program Outcomes) for 2012

Source: Student

# of Grads: 16

# of Responses: 16

Program: Radiography

Outcome	Yes	No	Unk	NA	Result	Feedback
What did you like about this program?	16 100.00%	0	0	0		
					Yes	I liked not having classes on fridays, going over comps with Patty. I like the different clinical rotation sites. I liked the corectc website
					Yes	I feel adequately prepared to perform and understand the standards required to meet the expectations of this program,as well as career choice.
					Yes	Throughout the program you knew exactly what to expect for the most part and if you had any questions the teachers are willing to help you out whenever!
					Yes	I feel really happy about the way the program has turned out for me. I feel like I have a high degree of knowledge in regards to radiology, and I owe that to the teachers. They were all very good at teaching what we needed to know for each semester/class.
					Yes	I liked how hands-on the program was. Things like clinical and doing activities in the lab were probably the most helpful. I also liked how we got into the core of what our career will consist of, right away.
					Yes	The instructors are very informed and I learned a lot from them.
					Yes	Teachers understand the demands of life, and the program is formed to work with students and their schedules outside of school as well
					Yes	I liked not having classes on Friday, I liked going over comps with the facility and going to a different variety of clinical settings
					Yes	I like the hands on experience that you get in the classroom before clinical. I think it really helps to get a basic understanding of what you're doing before you're in the clinical setting, so you look like you know what you're doing somewhat.
					Yes	The instructors, the hands on experience and the different clinical rotations
					Yes	I liked how the program was run. I felt like I learned the material well and was given enough time to learn it before exams and quizzes. I felt like there was a good flow to the proram.
					Yes	The clinical time being at the different hospitals and dealing with all types of patients.
					Yes	I achieved a lot in this program. I felt this program did a great job in preparing me for my future as Radiologic Technologist.
					Yes	I feel that this is a great program and satisfied with the outcome. I feel that I am ready for my future profession as a Radiographer. I thought the teachers were well prepared and knew their objectives for the outcomes of each course.
					Yes	I liked the variety of the clinical situations. I liked that my teachers were people I felt cared about their students and I could go to them with personal or educational issues. I liked our class size. We had a smaller class and we are all good friends because of it.
					Yes	I was able to continually see my achievement with the competencies I received.

<b>Outcome</b>	<b>Yes</b>	<b>No</b>	<b>Unk</b>	<b>NA</b>	<b>Result</b>	<b>Feedback</b>
What would you change about this program?	15 93.75%	1 6.25%	0	0		
	Yes					This program does not take into consideration the working adult. Some people have to work and maintain a family and household and need health insurance and have to work. There is also a lot of travel time involved if you do not live in the area. I would like to see the corectec utilized more for review throught the course, and more online classes. I think the modalities, pathology, quality analysis could be online. I also think a CNA course should be a prerequisite for the program so people get a better understanding of patient care. I would also like to see the instructors more tolerable with people's schedules and more understanding of students issues/problems weather it be clinical or class related. The student pays a lot of money for an education, they should not be treated badly, or talked down to.
	Yes					Take out the clinical site that are not so busy, felt like its a waist of a day when you have no exams because its not really a learning experience or just have first years go the very first semester so they can play around with the tube and ask questions
	Yes					I would make sure the students have enough credits to be a full time students.
	Yes					Some of the clinical sites weren't very helpful.
	Yes					Pathology class if its only a 1 credit class treat it like a 1 credit class. Just have the quizzes and test due and then a case study. I learned lots from the class just more work than expected for a 1 credit class
	Yes					If I could change something about this program it would be a better clinical roation. I know some people didn't get to experience some clincial sites while others were at the same sites all semester or many semesterts. I feel that it would be more beneficial to experience different clincial sites all semester and to pay attention to where the student has been. Some students have primarily been at one location for semesters at a time.
	Yes					For comps and revers- having every tech. have the same routine for either giving or not giving you a comp. Some techs wouldn't give out a comp if you didn't do it perfectly right the first time, and others would give it to you if you knew how to fix it. It was just kind of frustrating sometimes.
	Yes					Once I check out of clinical, I would like clinical to be done and not have to go back an additional week.
	Yes					I would have rather had 40 hour clinical rotations during the eight weeks in our summer.
	Yes					I have no concerns for the program. I feel that the college has really defined what we need to know and has done a great job shaping students into great radiographers.
	Yes					I would not change anything about the program. It really helped me learn a lot and I had a lot of fun.
	Yes					I liked how the program was run and I wouldn't change anything about it. I feel like I got the most out of it the way it was set up.
	Yes					Modality rotations should be only one half day mandatory and longer for those that are interested.

<b>Outcome</b>	<b>Yes</b>	<b>No</b>	<b>Unk</b>	<b>NA</b>	<b>Result</b>	<b>Feedback</b>
					Yes	I did not like the clinical schedule for the first semester. It is so hard to spend one day at a site and then go to a next one. Some we were unable to do very much and that makes for a long day. It is hard to get comfortable with equipment in one day especially if you are not performing very many exams or not involved very much. With that being said, I'm also not sure what the best way to fix this is. I know we have to get out there and get doing hands on activities. It is just very hard to feel comfortable when you are with a different tech and different equipment every week.
					No	I liked the program just the way it was.
Use effective communication skills.	16	0	0	0	100.00%	
					Yes	Yes. We all learned that people can interpret what you say differently. A small step to your left to me is different than it is to someone else. We are required by the nature of our career to be very clear and concise and guide people to get the outcome we want.
					Yes	I think the teachers could have communicated better with each other so there wasn't different answers coming to students from different teachers.
					Yes	In the clinical setting you have to use effective communication all the time. Without good communication skills you would never be able to get any patient to do what you need them to do.
					Yes	As the program went on I felt a lot more comfortable talking to patients. I feel that my patient skills improved vastly.
					Yes	There was one instructor I was not able to go to for help. He was demeaning and verbally abusive. I did not like going over comps with him. He would not let us ask questions about test questions. He treated me poorly most of the program. He had his "favorite" students and catered to them.
					Yes	I think the program definitely helped me with my communication with patients. At first I was a little nervous, but now I am more confident with it now that I have some experience.
					Yes	Instructors were available through email, office phone, and sometimes cell phone.
					Yes	Yes I feel this program gave me the communications skills needed.
					Yes	We primarily used blackboard and email. If we needed to get ahold of an instructor we could call or text them which allowed unlimited access to them anytime we needed them. It was GREAT!
					Yes	It took sometime talking to patient to get the flow of what to say down but now it natural.
					Yes	I feel like I do have effective communication skills. Dealing with patients every day at clinicals for two years really helped with my communication with others.
					Yes	Faculty keep the lines of communication open and are quick to respond to email.
Apply mathematical concepts.	16	0	0	0	100.00%	
					Yes	We used math with inverse square law problems and direct square law.
					Yes	I understand the basics of math in radiography. We have used the formulas since first semester.
					Yes	I liked the math aspect of this program because it wasn't quantum physics, hard math. It was very obtainable for me.

<b>Outcome</b>	<b>Yes</b>	<b>No</b>	<b>Unk</b>	<b>NA</b>	<b>Result</b>	<b>Feedback</b>
					Yes	Yes. We use math everyday in our program. We are constantly deciphering what is proper for each patient based on several different factors.
					Yes	Yes, I can apply math concepts like the direct and indirect square laws.
					Yes	There are mathematical applications employed throughout this program.
					Yes	The worksheets and activities of the inverse and direct square laws as well as forming technique charts helped reinforce math concepts
					Yes	I think i could have used a math class since i haven't had one in so long. i think that this is no longer an issue since a math class is part of the new curriculum.
					Yes	I feel that we had adequate practice and time to ask questions if we were understanding the "math" portion of our material.
					Yes	The one instructor I could not communicate with, I had a hard time with the math as he was not very willing to help. I didn't know what I was doing wrong until another student informed me.
					Yes	I think the program did help me with mathematical skills. It brought some new formulas to my attention, and also refreshed me on some old ones.
					Yes	I know how to do the inverse square law, direct square law, grid conversion, grid ratio, how to calculate MaS
Transfer social and natural science theories into practical applications.	16	100.00%	0	0	0	
					Yes	We deal with a variety of people in a variety of different settings.
					Yes	We as students get to see everyday the practical application of all the science theories we have learned. We use equipment in the hospital to reproduce those same scientific facts.
					Yes	I feel that our instructors have prepared us for the science and understand of how an xray is formed. I feel that they have prepared us with enough information to be future Radiographers.
					Yes	It was discussed how to communicate with pediatric patients.
					Yes	Clinical has helped me apply the 'science' of radiography into the 'real thing'.. imaging.
					Yes	Practicing in the lab beforehand was helpful because out at clinical we knew more of what to do.
					Yes	The program helped me to use social and scientific theories in practical situations by teaching me how to use people skills when dealing with patients and using scientific thoughts when it comes to the physics and mechanics of the equipment and body functions.
					Yes	I feel that I am confident in knowing this.
Demonstrate ability to think critically.	16	100.00%	0	0	0	
					Yes	From taking tests to competing at clinical, I have really had to think critically to complete the task efficiently.
					Yes	I have achieved this because not every patient is the same and it takes some critical thinking to solve how I am going to obtain the image.
					Yes	We are constantly using critical thinking skills. We have to be able to adapt with our patients limits. Every patient is different and what is easy for one is not for another.

<b>Outcome</b>	<b>Yes</b>	<b>No</b>	<b>Unk</b>	<b>NA</b>	<b>Result</b>	<b>Feedback</b>
					Yes	Every time i'm in clinical I need to work around a patient or a condition and need to be on the ball with a quick answer
					Yes	We need to think critically when we encounter a patient that is not our normal routine.
					Yes	In every aspect, the ability to think critically is being utilized in the classroom and clinical setting.
					Yes	
					Yes	The program got me ready to deal with critical situations by first going over them in class, but the best way to learn it is to deal with it first hand in the clinical setting.
					Yes	Critical thinking is used throughout the program, especially in positioning difficult patients
					Yes	We were challenged many times to critically think on how to solve the situation or problem. We were given many oppurtunities to think out side the box and apply our knowledge.
					Yes	We did a lot of critically thinking activities in classes and I thought they were all very useful and helpful.
					Yes	Out at clinical when faced with difficult patient issues, I learned to think critically.
<b>Demonstrate ability to value self and work ethically with others in a diverse population.</b>	<b>16</b>	<b>100.00%</b>	<b>0</b>	<b>0</b>	<b>0</b>	
					Yes	This was very simple to learn. Just treat everyone the same and there will be no issues.
					Yes	Learned how to truly develop that skill while in the clinical setting
					Yes	Clinical is a very good experience in working with others. I have met so many people who are all so different, and have been able to form relationships based on each person's personality.
					Yes	Different clinical sites were great for this.
					Yes	Most clinical site are willing to let you perform exams confidently
					Yes	We work with many people from many walks of life. We have to be able to be respectful of various cultures and preferences. If you can't get along with your patients and your coworkers you don't have a job.
					Yes	There are so many different kinds of people, co-workers and patients, that it definitely helps to broaden your spectrum of interpersonal skills.
					Yes	I feel that we experience this most during clincial hours and feel that we learn by what we see others do. Clincial sites have allowed us to work ethically taught us what is the right thing to do.
					Yes	The program helped me value myself and others by promoting confidence in what you're doing, teamwork, and doing the right thing with the patients best interest in mind.
					Yes	Technologists we worked with at clinical submitted evaluations of how well we worked ethically and in diverse populations at the clinical setting.
<b>Use technology effectively.</b>	<b>16</b>	<b>100.00%</b>	<b>0</b>	<b>0</b>	<b>0</b>	
					Yes	I feel that we used technology effectively through email and blackboard. Additionally, the labs downstairs are very usefull for experience.
					Yes	Many forms of technology were used. It was great having the advanced technology of the digital unit in the lab

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					Yes	Several examples of class work needed to be done on the computer or by locating it on the blackboard site.
					Yes	Technology has changed and will continue to change the way radiographic imaging is done. This was easy to see over the last two years with many sites switching to digital systems.
					Yes	This is primarily utilized during lab work and in the clinical settings.
					Yes	Understanding and using technology is a big part of radiography. If I was unable to use technology effectively I wouldn't be able to do my job. I feel that I did learn how to use technology effectively.
					Yes	Adding the DR unit in the lab was a great aspect to our learning environment as well as having the Film/Screen Processor.
					Yes	It was nice to work with a variety of equipment from new to old, including film.
					Yes	We have gone from film to CR to DR to all the modalities. We have to learn to adapt to changing technology easily. It is an ever changing transformation.
					Yes	Computers are a big part of this field, so one must be proficient in the use of them. In the program, we spend a lot of time on them so this is good. I feel that I learned a lot more about technology.
					Yes	First semester in lab helped me a lot with the technology of radiography. It was scary at first in clinical, so I'm glad I could practice at school. Now I feel very competent with the technology in radiography.
					Yes	The program helped me to learn the new technology involved with the job. This is especially important in a career like this when the technology is always changing.
<b>Provide quality patient care.</b>	<b>32</b>	<b>0</b>	<b>0</b>	<b>0</b>		
					Yes	This is one of the first things that we were taught and I feel this is the primary part of our job.
					Yes	Recycling bins and computer assignments
					Yes	Both clinical and the lab effectively helped with this.
					Yes	The program helped teach me about sustainability by promoting continuing education and putting an emphasis on the fact that our learning is never done.
					Yes	We are continually taught about patient care and ALARA.
					Yes	Our teachers made a great effort to not print stuff out for us and instead posted stuff we needed on Blackboard.
					Yes	Quality patient care is stressed throughout the program and in all of the classes
					Yes	I feel that we experience this during clinical hours. We get a lot of hand on experience during these times and it is in our best interest to take advantage of the opportunities so when we are RTRs we will know what to do when the situations arise. We are able to provide quality patient care under the supervision of RTRs. They give us great input and ideas of what we can do next time to improve it needed.
					Yes	The program taught me about patient care by putting an emphasis on the fact that the patients are the ones cutting our check, so it is important to make sure they get what they pay for. This makes it imperative that we do our job right and not give them unnecessary radiation dose by having to repeat exams.

<b>Outcome</b>	<b>Yes</b>	<b>No</b>	<b>Unk</b>	<b>NA</b>	<b>Result</b>	<b>Feedback</b>
					Yes	I feel that I have grown very much through out the program and have a great feel for providing great patient care. It just feels natural now.
					Yes	Paper wasn't used in excess. Also, around the Health and Science Center there are recycling containers. When we were finished with a room, we'd turn off the lights.
					Yes	I feel that the use of blackboard has eliminated many handouts but we still need to print quite a bit out to study from and to use as not material during class. I don't think that there is a way to elminate this though. There are some recycle bins around the HSC.
					Yes	all the clinical sites i have participated at all treat patients well for the short period of time of interaction
					Yes	We work very closely with our patients and need to provide quality care. We have a great deal of experience with this during our clinical rotations.
					Yes	Providing for each patients specific needs at clinical helped me to see that every patient is different and so their care must also be different.
					Yes	I think a CNA class should be a prerequisite to the program. Then there wouldn't need to be an intro class really. That information could be incorporated into other classes. Some students and techs do not know how to deal with patients that need lifts and are hard to transfer or are incontinent.

Practice radiation safety principles.	16	100.00%	0	0	0	
					Yes	I used shielding, good technique, and distance for myself. And shielding and good technique for the patients.
					Yes	This is a constant. We are always putting this into practice. My only suggestion is that when we practice positioning in the lab we incorporate using lead shielding regularly. It is hard to get into the habit of doing it at clinical when we don't make it part of our routine at school.
					Yes	Time, distance, sheilding! Gary did great at teaching this class!!!!
					Yes	Gary did an amazing job teaching this in class. This was one of the easiest parts to my mock boards.
					Yes	Time, distance, and shielding have been engraved in our heads since the first day we learned them.
					Yes	The program put a major emphasis on radiation safety principles by talking about all the concepts to minimize radiation dose such as distance, time, shielding, and minimizing repeats.
					Yes	I feel that it is drilled into our heads to always practice ALARA. We are well aware of the effects of radiation and it is our duty as future Radiographers to apply them correctly to provide the best patient care as possible.
					Yes	Radiation saftey is important not just for the saftey of the patient, but for our own and the others around us as well. Radiation safety is of extreme importance and is stressed in all classes
					Yes	All the classes we have taken have really helped with the knowledge we need for safety. I feel that the safety concept comes naturally now, too, as the principles have been engrained in my mind.
					Yes	The class Radiation Protection & Biology teaches us how to practice radiation safety.

<b>Outcome</b>	<b>Yes</b>	<b>No</b>	<b>Unk</b>	<b>NA</b>	<b>Result</b>	<b>Feedback</b>
Apply critical thinking and problem solving skills in the practice of diagnostic radiography.	16 100.00%	0	0	0		
					Yes	The program helped me to use problem solving skills and critical thinking by going over situations where the patient may not be able to cooperate because they are too injured or sick to follow directions.
					Yes	Clinical is a great place to test your problem solving skills. I am glad I have had such great experiences in the clinical setting, and have been able to apply my problem solving skills.
					Yes	Both clinical and lab effectively helped with this.
					Yes	working with various techs help to learn how to deal with different problems
					Yes	I was able to use my criticaal thinking and problem solving skill during my clinical rotation. This was useful for patient positioning and improvement to different imaging problems.
					Yes	Once again I feel that we are given great oppurtunities during lab time to ask questions when needed and given great responses to our questions. We are also given time during clinical to go over flims with RTRs and when we go over our comps the instructors quiz us on the knowledge that we should have obtained.
					Yes	Knowing how to adjust the exam to the patients capabilities is a big part of our job and I think I am effective at this.
					Yes	I was faced with many difficult situations at clinical, my own thoughts and help from techs helped me to grow as an individual.
					Yes	Critical thinking skills are a necessity for the practice of radiology. They are definately applied in positioning
					Yes	We use lots of critical thinking skills and problem solving. We need to be creative to get the quality images we desire.
					Yes	We are continually facing challenging patients where we need to critically think at the clinical sites.
Carry out the production and evaluation of radiographic images.	16 100.00%	0	0	0		
					Yes	We have been learnign this since the day we started. This is a very important part of our job as well and I feel competent in evaluating images.
					Yes	The program taught me about the production of image the old way with film and the processor and also the new technology which is almost automatic.
					Yes	teachers went through each and every exam we completed and answered questions and asked questions relating to the exam
					Yes	Would have been nice to go over the final for Rad Quality Analysis.
					Yes	Trisha did a great job at teaching us in this class as well.
					Yes	We were taught how to produce images and how to evaluated the images to determine if they were accurately made for the radiologists.
					Yes	I did not feel our quality analysis class was presented very well. I would have rather had images that were correct to look at more, rather than incorrect. I also feel this could have been online.
					Yes	I definitely feel strong in this area.
					Yes	Quality analysis gave a great overview of evaluation of images, and really helped me to understand when repeats are necessary
					Yes	I would go over production and evaluation with not only the techs, but also the staff. These different aspects helped me.



<b>Outcome</b>	<b>Yes</b>	<b>No</b>	<b>Unk</b>	<b>NA</b>	<b>Result</b>	<b>Feedback</b>
					Yes	Same as last question. We evaluated them during lab and given time if we want to go over images with RTRs at clinical.
					Yes	We practice this every time we are at clinical.
Apply computer skills in the radiographic clinical setting.	16	100.00%	0	0	0	
					Yes	We were taught how to use PACS and had to look at images for a Pathology paper.
					Yes	We learned how to use the pacs system as well as cr and dr applications both in the lab and in clinical
					Yes	I feel I am competent in this area.
					Yes	We don't do much on the computers at clinicals.
					Yes	We mostly use computer during clinical hours and given a brief understanding on what to do. I feel comfortable asking questions to RTRs if I didn't understand something or what I should be doing.
					Yes	Computers were used every day so I feel strongly that I have improved in that sense.
					Yes	I feel good in this area, but could probably know a lot more!
					Yes	The program taught me how to use the computer programs used in the profession.
					Yes	I wish we got to use the computer more at clinical. We can navigate in the fuji CR system but don't get alot of opportunity to do anything else.
Model professional and ethical behavior consistent with the A.R.R.T. Code of Ethics.	16	100.00%	0	0	0	
					Yes	I feel as though we have been taught how to be professional and ethical from day 1.
					Yes	I feel that we model professional and ethical behavior during clinical hours. I am not sure if the instructors are sometimes aware of how each of us performs during clinical hours and it might be beneficial to meet with some of the techs a few times a semester to see what the students are actually doing and what they may be struggling with so they can then take that back to their course and apply this information.
					Yes	We always have to use good ethics and professionalism no matter where we are in life. However, in the medical field we are held to a higher standard and we have to do that.
					Yes	The code of ethics was assigned to us and read in intro to rad
					Yes	The program taught me how to act ethically in the profession as far as confidentiality and doing what is right for the patient.
					Yes	Teachers did a great job at teaching this in the classroom so it could be effectively put to use in the clinical setting.
<b>Aggregate Assessment of Achievement</b>	<b>239</b>	<b>99.58%</b>	<b>1</b>	<b>0.42%</b>	<b>0</b>	<b>0</b>