

**Southern Illinois University Carbondale**  
**College of Applied Sciences and Arts**  
**School of Allied Health**  
**Radiation Therapy Program**  
**Assessment Plan**  
**Spring 19 Analysis and Actions**  
**Based on the 2017/2018 Radiation Therapy Class**

**MISSION:** The mission of the Radiation Therapy Program through Southern Illinois University Carbondale is to provide a quality program integrating education, research and service in order to meet the needs of the profession and improve health care of the people and communities we serve.

**GOAL #1:** Prepare the student to practice as a competent entry level professional Radiation Therapist by offering a balanced curriculum and quality didactic/clinical instruction.

Outcomes	Assessment Method	Assessment Tool	Benchmark	Time Frame for Evaluation	Person/Group Responsible	Analysis	Action
1. Graduates indicate overall satisfaction with education from the program.	Graduates will be surveyed approximately 6 months following graduation.	Graduate Survey	Graduates will report average score of $\geq 4.0$ on a scale of 1-5 ("Excellent" or "Very Good") on item #12 of graduate survey. Survey Monkey question #12	Spring Semester Post graduation	Program Director	2017/2018 #12 4.63 Avg 8/18 surveys 2016/2017 #12 4.56 Avg 9/16 surveys 2015/2016 #12 4.67 Avg 5/13 surveys 2014/2015 #12 3.89 Avg 9/17 surveys 2013/2014 #12 4.75 Avg 8/18 surveys 2012/2013 #12 5.0 Avg 8/16 surveys 2011/2012 #12 4.89 Avg 9/16 surveys 2010/2011 #11 4.67 Avg 2009/2010 #11 5.0 Avg 2008/2009 #11 4.60 Avg 2007/2008 #10 4.88 Avg	2015/2016- met benchmark. Students appear to be more satisfied. 2014/2015- Did not meet benchmark. Program was in a transitional period and adjustments have been made. Sending several emails to try and increase response rates. Survey renumbered 2011/2012 so question is now #12. Survey renumbered 2008/2009
2. Employer indicates graduate was adequately prepared to perform as an entry-level radiation therapist.	Employers will be surveyed approximately 6 months following graduation of student.	Employer Survey	The returned employer surveys will reflect average score of $\geq 4$ on a scale of 1-5 on ("Strongly Agree" or "Generally Agree") response to item #IIH. Survey Monkey question #11	Spring Semester Post gradation	Program Director	2017/2018 #11 5.0 Avg 3/5 surveys 2015/2016 #11 4.5 Avg 2/3 surveys 2014/2015 #11 5.0 Avg 3/6 surveys 2013/2014 #11 4.0 Avg 2/4 surveys 2012/2013 #11 4.6 Avg	Benchmark met. Continue to monitor. 2017- Will continue to send multiple emails to help garner more response. 2016 - However need to increase return rates. Only two response

						5/7 surveys 2011/2012 #IIH 4.25 Avg 4/7 surveys 2010/2011 #IIH 4.80 Avg 2009/2010 #IIH 5.0 Avg 2008/2009 #IIH 4.89 Avg 2007/2008 #IIH 4.86 Avg	received spring 2015.
3. Graduates will pass ARRT Radiation Therapy certification exam on first attempt.	Graduates will sit for ARRT certification exam following graduation.	ARRT Report if available/Graduate Feedback/ARRT Website	A five year average of 80% of the graduates will pass the credentialing exam on first attempt	Fall Semester Post graduation	Program Director	Most Recent Five year Average = 98.8% (80/81 graduates) 18/18 = 100% for 2017/2018 class 14/15 = 93.3% for 2016/2017 class 13/13 = 100% for 2015/2016 class 17/17 = 100% for 2014/2015 class 18/18 = 100% for 2013/2014 class 15/16 = 94% for 2012/2013 class 16/16 = 100% for 2011/2012 class 17/17 = 100% for 2010/2011 class 19/20 = 95% for 2009/2010 class 22/22 = 100% for 2008/2009 class 17/18 = 94.4% for 2007/2008 class 100% for 2006/2007 class 100% for 2005/2006 class 100% for 2004/2005 class 100% for 2003/2004 class 100% for 2002/2003 class 100% for 2001/2002 class	Benchmark met. Continue to monitor.

						78.5% for 2000/2001 class	
4. Employers indicate graduate demonstrates essential skills and knowledge necessary to work effectively with other health care practitioners.	Employers will be surveyed approximately 6 months following graduation of student.	Employer Survey	<p>The returned employer surveys will reflect average score of <math>\geq 4</math> on a scale of 1-5 on ("Strongly Agree" or "Generally Agree") response to items #IA, #IB, #IIH, #IIK.</p> <p>Survey Monkey questions 3, 4, 11, &amp; 16</p>	Spring Semester Post graduation	Program Director	<p>2017/2018 #3 5.0 Avg #4 5.0 Avg #11 5.0 Avg #16 5.0. Avg</p> <p>2016/2017 #3 5.0 Avg #4 5.0 Avg #11 5.0 Avg #16 5.0. Avg</p> <p>2015/2016 #3 5.0 Avg #4 4.5 Avg #11 4.5 Avg #16 5.0. Avg</p> <p>2/3 surveys 2014/2015 #3 5.0 Avg #4 4.67 Avg #11 5.0 Avg #16 4.67 Avg</p> <p>3/4 surveys 2013/2014 #3 4.5 Avg #4 4.5 Avg #11 4.0 Avg #16 4.5 Avg</p> <p>2/4 surveys 2012/2013 #3 4.40 Avg #4 4.6 Avg #11 4.6 Avg #16 4.6 Avg</p> <p>5/7 surveys 2011/2012 #IA 4.50 Avg #IB 4.50 Avg</p>	<p>Benchmark met. Continue to monitor.</p> <p>2017 – Results appear to be consistent. Noticed drop in 2011/2012 data but believe it is skewed will low response rate however we are concerned.</p>

						#IIH 4.25 Avg #IIK 4.25 Avg 4/7 surveys 2010/2011 #IA 4.40 Avg #IB 4.40 Avg #IIH 4.80 Avg #IIK 5.0 Avg 5/9 surveys 2009/2010 #IA 5.0 Avg #IB 4.83 Avg #IIH 5.0 Avg #IIK 5.0 Avg 5/20 surveys 2008/2009 #IA 4.89 Avg #IB 4.89 Avg #IIH 4.89 Avg #IIK 4.89 Avg 9/12 surveys 2007/2008 #IA 4.71 Avg #IB 4.71 Avg #IIH 4.86 Avg #IIK 4.71 Avg 7/11 surveys	
5. Students will be clinically competent upon graduation	Students' clinical competencies.	Clinical Competency Check Lists	Each students will complete 97% of the suggested competencies	Summer Semester During program	Program Director	2017/2018 18/18 100% 2016/2017 15/15 100% 2015/2016 13/13 100% 2014/2015 17/17 100% 2013/2014 18/18 100% 2012/2013 16/16 100% 2011/2012 16/16 100% 2010/2011 17/17 100% 2009/2010 20/20 100% 2008/2009 22/22, 100% 2007/2008 18/18, 100% 2006/2007 14/14, 100%	Met benchmark. Continue to monitor. 2017- Updated new competency requirement list for the 2017/2018 cohort. Increased benchmark to 97% from 95% spring 2013.

**GOAL #2: Provide didactic and clinical experiences that lead to research in educational, professional, or health care issues relating to radiation therapy.**

Outcomes	Assessment Method	Assessment Tool	Benchmark	Time Frame for Evaluation	Person/Group Responsible	Action	
<p>1. Students demonstrate essential skills to plan and execute research on various topics.</p>	<p>Students will be evaluated on six research assignments.</p>	<p>Grades on the required research projects while at clinical rotations.</p>	<p>Students will achieve an average score of 88% on assignments.</p>	<p>Spring Semester During program</p>	<p>Clinic Coordinator</p>	<p>2017/2018 HW1 = 98.8% HW2 = 95.0% HW3 = 95.7% HW4 = 98.5% HW5 = 99.0% QA = 100% Average = 97.8% 18/18 students 2016/2017 HW1 = 100% HW2 = 99.3% HW3 = 98.8% HW4 = 98.4% HW5 = 99.2% QA = 100% Average = 99.3% 15/15 students (student left after this semester) 2015/2016 HW1 = 97.4% HW2 = 98.9% HW3 = 98.4% HW4 = 100% HW5 = 97.3% QA = 100% Average = 98.7% 14/14 students (student left after this semester) 2014/2015 HW1 = 94.4% HW2 = 95.1% HW3 = 97.0% HW4 = 97.3% HW5 = 96.4% QA = 92.4% Average = 95.4% 17/17 students 2013/2014 HW1 = 99.2% HW2 = 96.8% HW3 = 97.5% HW4 = 96.8% HW5 = 95.3% QA = 95.8% Average = 96.9% 18/18 students Total 100% scored at or</p>	<p>Met benchmark. Continue to monitor.</p> <p>2015/2016 Raised Benchmark to 88% from 87.5%.</p> <p>2011/2012 Raised Benchmark to 87.5% from 85%.</p> <p>HW6 decreased from the 2006/2007 year due to modifications.</p>

						<p>above benchmark of 85%.  2012/2013  HW1 = 98.5%  HW2 = 97.3%  HW3 = 97.9%  HW4 = 97.9%  HW5 = 96.3%  QA = 90.9%  HW6 = discontinue  Average = 96.5%  17/17 students  Total 100% scored at or above benchmark of 85%.</p> <p>2011/2012  HW1 = 97.9%  HW2 = 98.0%  HW3 = 98.6%  HW4 = 96.9%  HW5 = 95.6%  QA = 90.6%  HW6 = 95.4%  Average = 96.1%  16/16 students  Total 100% scored at or above benchmark of 85%.</p> <p>2010/2011  HW1 = 98.3%  HW2 = 97.2%  HW3 = 98.0%  HW4 = 97.0%  HW5 = 95.4%  QA = 91.8%  HW6 = 95.1%  Average = 96.1%  17/17 students  Total 100% scored at or above benchmark of 85%.</p> <p>2009/2010  HW1 = 99.2%  HW2 = 98.4%  HW3 = 98.2%  HW4 = 96.3%  HW5 = 96.3%  QA = 97.8%  HW6 = 95.9%  Average = 97.4%  20/20 students  Total 100% scored at or</p>	
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						<p>above benchmark of 85%.</p> <p>22/22 students 2008/2009 HW1 = 98.7% HW2 = 97.5% HW3 = 97.9% HW4 = 96.9% HW5 = 96.1% QA = 94.3% HW6 = 95.8% Average = 96.7%</p> <p>Total 100% scored at or above benchmark of 85%.</p> <p>22/22 students</p>	

**GOAL #3: Provide avenues to students for professional development and growth within the profession.**

Outcomes	Assessment Method	Assessment Tool	Benchmark	Time Frame for Evaluation	Person/Group Responsible	Analysis	Action
<p>1. Graduates will become members of professional organizations.</p>	<p>Graduates will be surveyed approximately 6 months following graduation.</p>	<p>Graduate surveys. Survey Monkey Question 9</p>	<p>50% of the graduates join the ASRT within six months post graduation.</p>	<p>Spring Semester Post graduation</p>	<p>Program Director</p>	<p>2017/2018 75%-6/8 students indicated they are members of the ASRT 2016/2017 55.6%-5/9 students indicated they are members of the ASRT 2015/2016 50%-3/6 students indicated they are members of the ASRT 2014/2015 55.56%-5/9 students indicated they are members of the ASRT 2013/2014 75%-6/8 students indicated they are members of the ASRT. 2012/2013 62.5%-5/8 students indicated they are members of the ASRT. 2011/2012 67%-6/9 students indicated they are members of the ASRT. 9/16 surveys returned 2010/2011 33.3%-2/6 students indicated they are members of the ASRT. 6/17 surveys returned 2009/2010 20.0%-1/5 students indicated they are members of the ASRT. 5/20 surveys returned 2008/2009 10.0% - 1/10 students indicated they are members of the ASRT. 10/22 total surveys were returned 2008/2009 62.5% 2007/2008</p>	<p>2015/2016- Will continue to stress the importance of becoming members in the professional organizations.</p> <p>2009/2010 I believe the professionalism project is helping with this even though many are not joining.</p> <p>2008/2009 need to increase awareness of this. I believe employment is also a factor.</p> <p>2007/2008 increased from 29% in 2006/2007 class.</p>



<p>2. Graduates will maintain their CE activities to grow with the profession</p>	<p>Graduates will be surveyed approximately 6 months following graduation.</p>	<p>Graduate surveys.  Survey Monkey Question 10</p>	<p>50% of graduates will participate in the required CE activities to maintain their ARRT Certification.</p>	<p>Spring Semester Post graduation</p>	<p>Program Director</p>	<p>2017/2018 50% 489 students indicate they have started their CE requirements 2016/2017 44.4% 4/9 students indicate they have started their CE requirements 2015/2016 50% 3/6 students indicate they have started their CE requirements 2014/2015 22.2% 2/9 students indicate they have started their CE requirements 2013/2014 75% 6/8 students indicate they have started their CE requirements 2012/2013 62.5% 5/8 students indicate they have started their CE requirements 2011/2012 38% 3/9 students indicate they have started their CE requirements 2010/2011 50.0% 3/6 students indicate they have started their CE requirements 2009/2010 20.0% 1/5 students indicate they have started their CE requirements 2008/2009 20.0% 2/10 students indicate they have started their CE requirements 2007/2008 37.5% 3/8 students indicate they have started their CE requirements</p>	<p>2016/2017 – Will encourage participation.  2015/2016 – participation increased.  2009/2010 still believe this is low due to employment numbers.  2008/2009 I believe this low due to low employment numbers.  Added Professionalism project in the 2007/2008 class. This increased from 17.3% in the 2006/2007 class.</p>
<p>3. Graduates will demonstrate an understanding of the professionalism.</p>	<p>Students will complete the professionalism assignment during the fall semester.</p>	<p>Professionalism paper</p>	<p>Students will achieve an average score of 80% on assignments.</p>	<p>Fall Semester</p>	<p>Instructor of RAD 360</p>	<p>2017/2018 – Average score on the professionalism paper assignment was 96.8% 2016/2017 – Average score on the professionalism paper assignment was 95.9% 2015/2016 – Average score on the</p>	<p>2015/2016- added to assessment plan.</p>

						professionalism paper assignment was 99.4%	
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**GOAL #4: Provide avenues for students to develop and apply skills in effective communication necessary for successful radiation therapy practice.**

Outcomes	Assessment Method	Assessment Tool	Benchmark	Time Frame for Evaluation	Person/Group Responsible	Analysis	Action
1. Students demonstrate effective communication skills.	Growth Evaluations are performed during each clinical rotation.	7 <sup>th</sup> week Growth Evaluations Summer.	Students will achieve an average score of 4.0 on a scale of 0-5 ("Acceptable" to "Excellent") on item #1.	Summer Semester During program	Program Director	2017/2018 #1 Avg 4.89 18/18 students 2016/2017 #1 Avg 4.88 15/15 students 2015/2016 #1 Avg 4.92 13/13 students 2014/2015 #1 Avg 4.71 17/17 students 2013/2014 #1 Avg 4.81 18/18 students 2012/2013 #1 Avg 4.88 16/16 students 2011/2012 #1 Avg 4.91 16/16 students 2010/2011 #1 Avg 4.74 17/17 students 2009/2010 #1 Avg 4.83 20/20 students 2008/2009 #1 Avg 5.0 22/22 students 2007/2008 #1 Avg 4.72	Met benchmark. Continue to monitor. Changed to 7 <sup>th</sup> week growth eval from summer semester for the Spring 2011 report.
2. Graduates demonstrate effective communication skills.	Employers will be surveyed approximately 6 months following graduation of student.	Employer Survey	The returned employer surveys will reflect average score of ≥4 on a scale of 1-5 on ("Strongly Agree" or "Generally Agree") response to item #III I.  Survey Monkey Question 13 and 14	Spring Semester Post graduation	Program Director	2017/2018 #13 5.0 avg, #14 5.0 avg 3/5 surveys 2016/2017 #13 4.67 avg, #14 4.67 avg 3/6 surveys 2015/2016 #13 5.0 avg, #14 5.0 avg 2/3 surveys 2014/2015 #13 5.0 avg, #14 5.0 avg 3/6 surveys 2013/2014 #13 4.5 avg, #14 4.5 avg 2/4 surveys 2012/2013 #13 4.2 avg, #14 4.4 avg 5/7 surveys 2011/2012 #III I 3.75 avg 4/7 surveys 2010/2011 #III I 4.9 avg 5/9 surveys 2009/2010 #III I 4.67 avg 6/8 surveys 2008/2009 #III I 4.89 Avg 2007/2008 #III I 4.57 Avg 9/12 surveys	Did not meet Benchmark for 2011/2012. Will emphasize the importance of communication. One employer had concerns about phone use. 2010/2011 Increased 0.2 2009/2010 Decreased almost 0.2

**GOAL #5: Provide avenues for students to develop and apply skills in critical thinking and problem-solving necessary for successful radiation therapy practice.**

(Split the original goal 4 into goals 4 and 5 to meet accreditation requirements Spring 2013).

Outcomes	Assessment Method	Assessment Tool	Benchmark	Time Frame for Evaluation	Person/Group Responsible	Analysis	Action
<p>1. Students demonstrate effective problem solving and critical thinking skills.</p>	<p>For all fall semester courses a Comprehensive Final Exam must be completed to move on to the spring semester.</p>	<p>Final Exam in RAD 360, 370, 380, 390, and 400</p>	<p>Students will achieve an average score of <math>\geq 81\%</math> out of 100%.</p>	<p>Fall Semester During program</p>	<p>Program Director, Clinic Coordinator</p>	<p>2017/2018            RAD 360 91.40%Avg            RAD 370 94.50%Avg            RAD 380 88.80%Avg            RAD 390 91.10%Avg            RAD 400 84.80%Avg            18/18 students</p> <p>2016/2017            RAD 360 91.70%Avg            RAD 370 81.80%Avg            RAD 380 87.54%Avg            RAD 390 93.40%Avg            RAD 400 81.29%Avg            17/17 students Lost one student in fall semester and another in the summer semester.</p> <p>2015/2016            RAD 360 88.4%Avg            RAD 370 85.0%Avg            RAD 380 89.7%Avg            RAD 390 91.8%Avg            RAD 400 90.9%Avg            16/16 students Lost students after this semester.</p> <p>2014/2015            RAD 360 88.9%Avg            RAD 370 83.3%Avg            RAD 380 89.1%Avg            RAD 390 92.8%Avg            RAD 400 86.6%Avg            17/17 students</p> <p>2013/2014            RAD 360 88.9%Avg            RAD 370 86.4%Avg            RAD 380 90.3%Avg            RAD 390 92.6%Avg            RAD 400 90.4%Avg            18/18 students</p> <p>2012/2013</p>	<p>Benchmark met. Continue to monitor.</p> <p>2017- Increase Benchmark to 81% from 80%.</p> <p>2009/2010            A couple scores were lower this year but the class did struggle with concepts some.</p> <p>2008/2009            Every score increased in comparison to the year before.</p>

						<p>RAD 360 92.2%Avg RAD 370 no data, computer crash RAD 380 90.4%Avg RAD 390 no data, computer crash RAD 400 91.5%Avg 18/18 students</p> <p>2011/2012 RAD 360 90.0%Avg RAD 370 87.0%Avg RAD 380 89.0%Avg RAD 390 91.3%Avg RAD 400 90.0%Avg 16/16 students</p> <p>2010/2011 RAD 360 92.4%Avg RAD 370 85.7%Avg RAD 380 91.4%Avg RAD 390 91.9%Avg RAD 400 87.8%Avg 18/18 students</p> <p>2009/2010 RAD 360 91.0%Avg RAD 370 87.0%Avg RAD 380 90.0%Avg RAD 390 89.0%Avg RAD 400 88.0%Avg 20/20 students</p> <p>2008/2009 RAD 360 91.0%Avg RAD 370 85.3%Avg RAD 380 89.7%Avg RAD 390 91.6%Avg RAD 400 88.6 %Avg 24/24 students</p>	
2. Graduates demonstrate effective problem solving and critical thinking skills.	Employers will be surveyed approximately 6 months following graduation of student.	Employer Survey	<p>The returned employer surveys will reflect average score of <math>\geq 4</math> on a scale of 1-5 on ("Strongly Agree" or "Generally Agree") response to item #1F.</p> <p>Survey Monkey Question 8</p>	Spring Semester Post graduation	Program Director	<p>2017/2018 #8 5.0 Avg 3/5 surveys</p> <p>2016/2017 #8 4.67 Avg 3/6 surveys</p> <p>2015/2016 #8 4.50 Avg 2/3 surveys</p> <p>2014/2015 #8 4.67 Avg 3/6 surveys</p> <p>2012/2013 #8 4.4 Avg 5/7 surveys</p> <p>2011/2012 #1F 3.75 Avg 4/7 surveys</p>	<p>2017- Benchmark has been met the last three years and will continue to employ critical thinking aspects in didactic and lab courses.</p> <p>2011/2012 did not meet benchmark met. Discuss with advisory board. However believe results are skewed due to low return rate.</p>

						<p>2010/2011 #1F 4.5 Avg 5/9 surveys</p> <p>2009/2010 #1F 4.67 Avg 6/8 surveys</p> <p>2008/2009 #1F 4.56 Avg</p> <p>2007/2008 #1F 4.57 Avg 9/12 surveys</p>	
<p>1. Students will demonstrate simulation laboratory competence</p>	<p>Simulation Laboratory Testing at various times during fall semester</p>	<p>Simulation Laboratory Testing</p>	<p>Student averages will not be less than 80% for all of the labs during the semester</p>	<p>Fall Semester During program</p>	<p>Clinical Coordinator</p>	<p>2017/2018 Brain 97.1%</p> <p>2016/2017 Brain 99.7%</p> <p>2015/2016 Brain 94.8%</p> <p>2014/2015 Brain 92.1%</p> <p>Working more on positioning labs</p> <p>2013/2014 Lab down; not available for testing, but was used for learning exercises, positioning, and immobilization. (new lab was installed spring 14)</p> <p>2012/2013 Lab down; not available for testing, but was used for learning exercises, positioning, and immobilization. (new lab was scheduled to be installed fall 13)</p> <p>2011/2012 Lab down; not available for testing, but was used for learning exercises, QA, positioning, and immobilization.</p> <p>2010/2011 Lab down; not available for testing, but was used for learning exercises, QA, etc...</p> <p>2009/2010 Lab down; not available for testing, but was used</p>	<p>2017- added an Eclipse work station in lab that students will get exposed to. Also increased the number of leveling labs.</p> <p>2015/2016 Continued to incorporate positioning labs due to feedback.</p> <p>2011/2012 Final Bid has been accepted for the new Acuity simulator. Install should start summer 2013.</p> <p>2010/2011 PO is in process to purchase a 2006 Acuity Simulator.</p> <p>2009/2010 Needing to purchase new sim. Currently getting quotes.</p> <p>2008/209 Met benchmark. Continue to monitor.</p> <p>Each increased or remained at 100%</p>

						<p>for learning exercises, QA, etc...</p> <p>2008/2009 Brain 94.3% Spine 0%- LAB DOWN Pituitary 95.2%, Pelvis/Breast 95.0%</p> <p>Total 94.8% for average of three laboratory tests</p> <p>2007/2008 Total 94.1% average for the four laboratory tests</p>	
2. Students will be clinically competent upon graduation	Students' clinical competencies.	Clinical Competency Evaluations	Each students will complete 97% of the suggested competencies	Summer Semester During program	Program Director	<p>2017/2018 18/18 students 100%</p> <p>2016/2017 15/15 students 100% (one student failed RAD 430 due to HW grades)</p> <p>2015/2016 13/13 students 100%</p> <p>2014/2015 17/17 students 100%</p> <p>2013/2014 18/18 students 100%</p> <p>2012/2013 16/16 students 100%</p> <p>2011/2012 16/16 students 100%</p> <p>2010/2011 17/17 students 100%</p> <p>2009/2010 20/20 students 100%</p> <p>2008/2009 22/22 students 100%</p>	<p>Met benchmark. Continue to monitor.</p> <p>Increased benchmark to 97% from 95% for 2011/2012 cycle.</p>
3. Students demonstrate continual improvement of skills as they progress through the program.	Growth Evaluations are performed during each clinical rotation.	7 <sup>th</sup> week Summer Growth Evaluations.	Students will achieve an average score of $\geq 4.0$ on a scale of 0-5 ("Acceptable" to "Excellent") on item # II.	Spring Semester During program	Program Director	<p>2017/2018 #II Avg 4.86</p> <p>2016/2017 #II Avg 4.88</p> <p>2015/2016 #II Avg 4.96</p> <p>2014/2015 #II Avg 4.71</p> <p>2013/2014 #II Avg 4.78</p>	<p>2017-Updated Growth Evaluation based on CI feedback to include more specific feedback measures in 2016 for the 2016/2017 cohort.</p> <p>Met benchmark. Continue to monitor.</p>

						2012/2013 #II Avg 4.94 16/16 students 2011/2012 #II Avg 4.97 16/16 students 2010/2011 #II Avg 4.76 17/17 students 2009/2010 #II Avg 4.89 20/20 students 2008/2009 #II Avg 4.91 22/22 students  2007/2008 #II Avg 4.53	
4. Students demonstrate professional development and growth as a result of didactic and clinical experiences.	Growth Evaluations are performed during each clinical rotation.	7 <sup>th</sup> week Summer Growth Evaluations.	Students will achieve an average score of $\geq 40$ on a scale of 0-50 ("Acceptable" to "Excellent") on the evaluation overall.	Spring Semester During program	Program Director	Growth Evaluation 2017/2018 Avg 59.44 18/18 students Growth Evaluation 2016/2017 Avg 59.06 15/15 students Growth Evaluation 2015/2016 Avg 49.42 13/13 students Growth Evaluation 2014/2015 Avg 48.18 17/17 students Growth Evaluation 2013/2014 Avg 49.22 18/18 students Growth Evaluation 2012/2013 Avg 49.75 16/16 students Growth Evaluation 2011/2012 Avg 49.81 16/16 students Growth Evaluation 2010/2011 Avg 49.0 17/17 students 2009/2010 Avg 49.33 20/20 students 2008/2009 Avg 49.68 22/22 students 2007/2008 Avg 47.37	2017-Updated Growth Evaluation based on CI feedback to include more specific feedback measures in 2016 for the 2016/2017 cohort. New total score of 60 points possible. Previous was 50 points possible.  Met benchmark. Continue to monitor.
5. Employer indicates graduate was adequately prepared to perform as an entry-level radiation therapist.	Employers will be surveyed approximately 6 months following graduation of student.	Employer Survey	The returned employer surveys will reflect average score of $\geq 4$ on a scale of 1-5 on ("Strongly Agree" or "Generally Agree") response to item #IIH. Survey Monkey question	Spring Semester Post graduation	Program Director	2017/2018 #11 Avg 5.0 3/5 surveys 2016/2017 #11 Avg 5.0 3/6 surveys 2015/2016 #11 Avg 4.5 2/3 surveys 2014/2015	Benchmark met. Continue to monitor.



			11			#11 Avg 5.0 3/6 surveys 2013/2014 #11 Avg 4.0 2/4 surveys 2012/2013 #11 Avg 4.6 5/7 surveys 2011/2012 #IIH Avg 4.25 4/7 surveys 2010/2011 #IIH Avg 4.8 5/9 surveys 2009/2010 #IIH Avg 5.00 6/8 surveys 2008/2009 #IIH 4.89 Avg 9/12 surveys	
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**PROGRAM EFFECTIVENESS OUTCOMES**

Outcomes	Assessment Tool	Benchmark	Time Frame for Evaluation	Person/Group Responsible	Analysis	Action
1. Graduates will pass ARRT Radiation Therapy certification exam on first attempt.	ARRT Report if available/Graduate Feedback	A five year average of 80% of the graduates will pass the credentialing exam on first attempt	Fall Semester Post graduation	Program Director	Most Recent Five year Average = 98.8% (80/81 graduates)  18/18 = 100% for 2017/2018 class 14/15 = 93.3% for 2016/2017 class 13/13 = 100% for 2015/2016 class 17/17 = 100% for 2014/2015 class 18/18 = 100% for 2013/2014 class 15/16 = 94% for 2012/2013 class 16/16 = 100% for 2011/2012 class 17/17 = 100% for 2010/2011 class 19/20 = 95% for 2009/2010 class 22/22 = 100% for 2008/2009 class 17/18 = 94.4% for 2007/2008 class 100% for 2006/2007 class 100% for 2005/2006 class 100% for 2004/2005 class 100% for 2003/2004 class 100% for 2002/2003 class 100% for 2001/2002 class 78.5% for 2000/2001 class	Met Benchmark. Continue to monitor.  Stress the importance of taking the test immediately upon graduation
2. Graduates will have employment within the radiation therapy profession post graduation.	Graduate Survey.	80% of the graduates will have employment within six months post graduation. Five year average.	Approximately 6 months post graduation. Spring Semester	Program Director	Five Year Average = 100% (34/34)  2017/2018 5/5 = 100 9 unknown, 4 went on to further education. 2016/2017 10/10 = 100% 2 unknown, 3 went on to further education. 2015/2016 4/4 = 100% 2 unknown, 7 went on to further education. One did not give employer contact info. Know others are employed but no response to survey. 2014/2015 9/9 = 100% 3 unknown, 4 went on to further education, 1 x-ray (not actively searching), 9 therapy 2013/2014 6/6 = 100% 4 unknown, 6 went on to further education, 2 x-ray (not actively searching), 6 therapy	2017- will continue to reach out to graduates to increase response rate. Seen more job opportunities in therapy this past year.  Summer 2012 JRCERT indicated this statistic is to take into account graduates "actively seeking" employment. This is why we are at 100% for the 2011/2012 year.  2011/2012- Continue to

					<p>2012/2013 9/9 = 100%  4 unknown, 4 went on to further education,  2011/2012 9/9 = 100%  2 unknown, 4 went on to further education, 1  working x-ray(not seeking as going to grad  school)  2010/2011 9/10 = 90%  1 unknown and 7 went on to further education  2009/2010 10/16 = 62.5%  6 not employed and 4 went on to further  education  2008/2009 13/19 = 68.4%  6 not employed, 3 went on to further education  2007/2008 12/14 Students 85.7%  4 graduates went to dosimetry school  2 unemployed (unsure on the two as we no  longer have contact info)  2006/2007 9/10 Students 90%  2005/2006 18/18 Students 100%  One student went to dosimetry school</p>	<p>monitor as employment  rate is increasing. Not  taking program capacity.</p> <p>2010/2011 – lowered  enrollment by 10% for  this year. Currently 17  enrolled. For 2011/2012  kept 10% reduction.</p> <p>2009/2010 - Should  consider lowering the  number accepted into  the program. Will talk to  school director about  this.</p>
	Graduate Survey.	85% of the graduates will have employment within six months post graduation. Five year average.	Approximately 12 months post graduation. Fall Semester	Program Director	<p>2017/2018- 8/8, 3 went on to further  education, 6 did not respond, 1 unknown as  information was not provided on survey. 8/8 =  100%.  2016/2017 11/11 = 100%  1 unknown, 3 went on to further education.  2015/2016 4/4 = 100%  2 unknown, 7 went on to further education.  One did not give employer contact info. Know  others are employed but no response to  survey.</p>	
3. Students who start the program will complete the program.	Program Completion Rate/Student Retention Rate.	80% of the students starting the program will graduate from the program.	Summer Semester During program	Program Director	<p>2017/2018 18/19 students 94.7%  2016/2017 15/18 students 83.3%  2015/2016 13/16 students 81.3%  2014/2015 17/20 students 85.0%  2013/2014 18/20 students 90.0%  2012/2013 16/18 students 88.8%  2011/2012 16/18 students 88.8%  2010/2011 17/18 students 94.4%  2009/2010 20/20 students 100%  2008/2009 22/24 Students 91.6%  2007/2008 18/20 Students 90%  2006/2007 14/16 Students 87.5%  2005/2006 18/20 Students 90%</p>	<p>Met benchmark.  Continue to monitor.</p> <p>2017-Attrition rate  appears to be increasing  but some students are  not prepared for the  difficulty/responsibilities/  work ethic of the  program.</p>
4. Graduates will evaluate the program positively.	Graduate survey.	The returned graduate surveys will reflect average score of ≥4 on a scale of 1-5 on ("exceptional" or "adequate") response on item #11.	Spring Semester Post graduation	Program Director	<p>2017/2018 #12 4.63 average score on 8/18  surveys sent out  2016/2017 #12 4.55 average score on 9/15  surveys sent out  2015/2016 #12 4.67 average score on 6/13  surveys sent out</p>	<p>2017- Met benchmark  and it appears graduates  are satisfied with the  program.  Did not meet</p>

		Survey Monkey Question #12			<p>2014/2015 #12 3.89 average score on 9/17 surveys sent out</p> <p>2013/2014 #12 4.75 average score on 8/18 surveys sent out</p> <p>2012/2013 #12 5.0 average score on 8/16 surveys sent out</p> <p>2011/2012 #12 4.89 average score on 9/16 surveys sent out</p> <p>2010/2011 #11 4.67 average score on 6/17 surveys sent out</p> <p>2009/2010 #11 5.00 average score on 5/20 surveys sent out</p> <p>2008/2009 #11 4.60 average score on 10/22 surveys sent out</p> <p>2007/2008 #10 4.88 average score of on 8/18 surveys sent out</p>	<p>benchmark. Going through transition and will monitor again next year. Making changes in lab to help with concerns.</p> <p>Renumbered survey for 2011/2012 year</p> <p>Renumbered survey for 2008/2009 year</p>
5. Employers will evaluate the program positively.	Employer survey.	The returned employer surveys will reflect average score of $\geq 4$ on a scale of 1-5 on ("Excellent" or "Very Good") response to item #IV. Survey Monkey Question #20	Spring Semester Post graduation	Program Director	<p>2016/2017 #20 5.0 avg</p> <p>3/6 surveys sent out</p> <p>2016/2017 #20 5.0 avg</p> <p>3/6 surveys sent out</p> <p>2015/2016 #20 5.0 avg</p> <p>2/3 surveys sent out</p> <p>2014/2015 #20 4.67 avg</p> <p>3/6 surveys sent out</p> <p>2013/2014 #20 4.0 avg</p> <p>2/4 surveys sent out</p> <p>2012/2013 #20 4.6 avg</p> <p>5/7 surveys sent out</p> <p>2011/2012 #IV 4.25 avg</p> <p>4/7 surveys sent out</p> <p>2010/2011 #IV 5.00 avg</p> <p>5/9 surveys sent out</p> <p>2009/2010 #IV 5.00 avg</p> <p>6/8 surveys sent out</p> <p>2008/2009 #IV 4.78 avg</p> <p>2007/2008 #IV 4.57 avg</p> <p>9/12 surveys sent out</p>	<p>Met benchmark. Continue to monitor.</p> <p>2013/2014 Believe drop in satisfaction is skewed due to low response rate.</p> <p>Concerned about drop in score.</p> <p>Spring 15- Only received 2 of four employer surveys sent out and one was a weak student.</p>

<p>6. Employers will evaluate the program positively.</p>	<p>Employer survey.</p>	<p>The returned employer surveys will have an 80% "yes" response for the following question: "If given the opportunity would you hire a graduate of this program again? Yes or No" Survey Monkey Question #25</p>	<p>Spring Semester Post graduation</p>	<p>Program Director</p>	<p>2017/2018 3 Yes 0 No 2016/2017 2 Yes 1 No 3/6 surveys sent out- Based on comment, it appears the employer did not understand the question. 2015/2016 2 Yes 0 No 2/3 surveys sent out 2014/2015 3 Yes 0 No 3/6 surveys sent out 2013/2014 2 Yes 0 No 2/4 surveys sent out 2012/2013 5 Yes 0 No 5/7 surveys sent out 2011/2012 4 Yes 0 No 4/7 surveys sent out 2010/2011 5 Yes 0 No 5/9 surveys sent out 2009/2010 6 Yes 0 No 6/8 surveys sent out 2008/2009 8 Yes 0 No One did not answer 2007/2008 6 Yes 0 No One did not answer 9/12 surveys sent out</p>	<p>Met benchmark. Continue to monitor.</p>
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