College of Southern Idaho											
	Radiologic Technology Program Outcome Assessment Plan—Class of 2017 Mission: To propose students to become graduates for entry level employment										
	Mission: To prepare students to become graduates for entry-level employment as ARRT Registered Technologists in Radiography. Category 1: Graduate Performance										
	Goal 1	: Program effectiv	veness will be mea	asured on an ongoi	ng basis.						
Outcome Tool Benchmark Time Frame Responsibility Result Action											
1. Enrolled students will complete the program.	CSI Institutional Research Graduation Report	\geq 80 % annual graduation rate.	Commencement (May)	Program Director	Yes 12/12 = 100%	None					
2. Graduates will pass the ARRT exam in radiography on the first attempt.	 A. Annual first time pass rate. B. 5 year first time pass rate. C. Annual program mean scaled score. D. 5 year program mean scale score. [Note: Data is from the ARRT Radiography Examination Summary.) 	 A. ≥ 80 % Annual first time pass rate. B. ≥ 80 % 5 year first time pass rate. C. ≥ 80 Annual program mean scaled score. D. ≥ 80 5 year program mean scaled score. 	January 1 to December 31 for graduating class.	Program Director	A. Yes 11/12 = 92% B Yes 55/62 = 89% C. Yes 87% D. Yes 85%	 A. None B. None Note: Consider a conference memo with students scoring < 75 on any mock in final semester with a plan for improvement and weekly email update on their plan until next mock to raise awareness and commitment for closing the gap. C. None D. None 					

3. Graduates will be employed within 6 months.	employed within Question # 4. seeking		Six months post- graduation.	Program Director	Yes 11/12 = 92%	None
4. Graduates will receive a quality education.	Alumni Survey Question # 1.	\geq 80% students answer YES of those who returned surveys and answered the question.	Last day of class during final spring semester.	Program Director	Yes 12/12 = 100%	None
5. Employers will be satisfied with the (hard – technical) performance of graduates.	Employer Survey Question #4	\geq 95 % Combined satisfactory rating of those surveys returned.	Six months post - graduation.	Program Director	Yes 2/2 = 100%	Note: Survey still underway at Survey Monkey.
		Categor	y 2: Clinical Perf	ormance.		
		Goal 2: Stude	ents will be clinica	ally competent.		
Outcome	Tool	Benchmark	Time Frame	Responsibility	Result	Action
1. Students will provide appropriate patient care	A. RADT 102 Orientation to Radiologic Technology Unit Exams # 4 – 7	A. \geq 80 % Combined average score	A. First semester	A. Didactic Instructor	A. Yes 12/12 = 97%	A. None B.
	 B. RADT 165 Fundamentals of CT. C. All competency evaluation forms. 	B ≥ 80 % Combined average score C. ≥ 90 % First time pass rate on all competency evaluations.	B.Second semesterC. Third, Fourth,Fifth semesters	B. Didactic Instructor C. Clinical Coordinator	B. Yes 12/12 = 94% C. Yes 628/659 = 95% (31 Unsatisfactory)	 D. Change to 5th semester (when course is offered). C. None

	D. All unsatisfactory competency exams. #1,2,9.	D. $\leq 2\%$ first time unsatisfactory rate of patient care tasks of all comps. (Note: We are counting comps, not tasks because it only takes one unsatisfactory to fail a comp. And, students may fail in one or more of the three areas for each Unsat comp.)	D. Third, Fourth or Fifth semester	D. Clinical Coordinator	D. Yes 2/659 = .3%	D. None
2. Students will demonstrate quality positioning.	A. RADT 162 Radiographic Procedures II Unit Exams # 12 - 16.	A. \geq 80 % Combined average score.	A. Fourth semester	A. Didactic Instructor	A. Yes 12/12 = 94%	A. None
	B.All unsatisfactory competency exams.#5, 6, 7.	B. $\leq 2\%$ first time unsatisfactory rate of positioning tasks.	B. Third, Fourth and Fifth semester	B. Clinical Coordinator	B. Yes 8/659 = 1.2%	B. None Note: 5, 6, 7 are now 10, 11, 12 on new form.
3. Students will apply appropriate radiation safety principles.	A. RADT 152 Radiation Protection Unit Exams # 7 and 8.	A. ≥ 80 % Combined average score.	A. Second semester	A. Didactic Instructor	A. Yes 12/12 = 98 %	A. None
	B - 1 All unsatisfactory competency exams #3, 4, 8.	B-1. $\leq 2\%$ first time unsatisfactory rate of radiation safety tasks.	B-1. Third, Fourth and Fifth semester.	B-1. Clinical Coordinator	B-1 Yes 10/659 – 1.5%	B-1. None Note: 3, 4, 8 are now 9 – 13 and EI Range on new form.
	B - 2	B-2. \geq Score of 3 on a scale of $1 - 4$	B-2. Fifth semester.	B-2.	B-2 Yes 12/12 = 4	B-2. None

	Final grade determination form B. #1	(Unsatisfactory to Excellent)		Clinical Coordinator		
4. Students will demonstrate the ability to evaluate image quality.	A. RADT 153 Image Analysis Unit and Final Exams 1-15, Final Exam A and B.	A. \geq 80 % Combined average score.	A. Second semester.	A. Didactic Instructor	A. No	A. Final grades were lost during change from BB to Canvas and couldn't be retrieved.
	B. All unsatisfactory competency exams image quality assessment factors.	B. $\leq 2\%$ First time unsatisfactory rate of image quality assessment factors.	B. Third, Fourth and Fifth semester.	B. Clinical Coordinator	B. No 16/659 = 2.4%	 B. Note: Consider raising to industry standard. Note: Some failed comps failed for multiple reasons.
			blem Solving and			
				g and critical think	0	
Outcome	Tool	Benchmark	Time Frame	Responsibility	Result	Action
1. Students will apply ALARA exposure techniques resulting in quality images using optimum kVp/Low mAs for the exposure index range (S#, LgM, IE).	A. RADT 164 Imaging and Processing Unit Exams # 5, 6. (Note: Exposure Techniques and AEC units)	A. ≥ 80 % Combined average score.	A. Fourth Semester	A. Didactic Instructor	A. Yes 12/12 = 98%`	A. None
	B. Final Grade Determination Form B. # 2 (Student thinks critically.)	B. \geq Score of 3 on a scale of 1 -4 (Excellent to Unsatisfactory)	B. Fifth Semester	B. Clinical Coordinator	B. Yes 12/12 = 3.8	B. None

2. Students will assess the quality of radiographic images.	RADT 182 Clinical Education III # 4 Mock Exam / Section 3: Image Production and Evaluation.	≥ 7.0 Combined average ARRT normalized section score.	Fifth Semester	Clinical Coordinator	Yes 12/12 = 7.7	None Note: ARRT Image Acquisition & Technical Evaluation section score was 8.7 (7.5 was passing).			
3. Students will adjust equipment operation and quality control factors.	RADT 182 Clinical Education III # 4 Mock Exam: Section 2: Equipment Operation and Quality Control	≥ 7.0 combined average ARRT normalized section score.	Fifth semester	Clinical Coordinator	No 12/12 = 6.9	None Note: ARRT Equipment Operation & Quality Assurance section score was 8.6 (7.5 was passing).			
Category 4: Communication Skills Goal 4: Students will communicate and interact effectively with patients and staff.									
Outcomes	Tools	Benchmark	Time Frame	Responsibility	Result	Action			
1. Students will engage in productive radiography-related discussions with patients, staff and each other.	Clinical Education Grade Determination Form B # 5.	\geq Score of 3 on a scale of 1 – 4, (Excellent to Unsatisfactory).	Fifth semester.	Clinical Coordinator	Yes 12/12 = 3.8	None			
2. Students in didactic setting will communicate effectively in writing.	Idaho Falls Book Report (replaced post certification report).	≥ 80 % combined Average score (replaced ≥ 8 points combined satisfactory rating)	Third semester.	Clinical Coordinator	Yes 1140/1200 = 95%	Note: Although students learned quite a bit about the reactor incident in the book Idaho Falls, this tool was too much work for students and faculty and turned into an English assignment.			

		Category 5: Pro	fessional Growth	and Development		
		0 1		ill behave ethically	•	
Outcomes	Tools	Benchmark	Tim Frame	Responsibility	Result	Action
1.	Final Grade	\geq 90 % Combined	Fifth semester.	Clinical	Yes	None
Students will apply	Determination Form	satisfactory rating.		Coordinator.	12/12 = 94%	
the employability	B. #1-6	(out of 30 points.)				
skills of a						
radiographer. 2.	Employada Sugar	\geq 95 % Combined	Six months next	Drogram Director	Yes	
2. Graduates will	Employer's Survey # 5 (personal skills)	≥ 95 % Combined satisfactory rating	Six months post graduation.	Program Director	$\frac{1}{2/2} = 100 \%$	
apply soft-personal	# 5 (personal skins)	of those employer	graduation.		2/2 = 100%	
employability skills		surveys returned.			Survey underway at	
of an RT (R).					Survey Monkey.	
3.	Five Year Career	\geq 90 % Combined	Fourth semester	Clinical	Yes	
Students will	Development Plan	satisfactory rating.		Coordinator	12/12 = 98%	
develop a five year						
career development						
plan.						
	C	lass of 2017	Outcome A	ssessment P	lan	
		Program	Effectivenes	s Measures		
		(Category	I: Graduate P	erformance)		
Program	Benchmark for	$1.1.1 \text{ of } \ge 80\%$ ar	nual graduation ra	te was met at 100 %	6. Twelve out of twe	lve students
Completion Rates				n and graduated on		
ARRT Pass Rates	All 4 benchman	rks for 1.1.2 was m	et. Annual first-tin	ne pass rate was 80 ^o	% or greater at 92%.	Note: The only
& Scaled Scores	failure from thi	is class on the ARF	RT exam immediat	ely retook the exam	and passed. Five-ye	ar first-time pass
					RT exam was $\geq 80\%$	
					(Note: Four failures	
					g this five-year aver	
Employment Rate					rveys returned (excl	
r - 7					ly seek employment	
				iomedical service el		, , , , , , , , , , , , , , , , , , ,
Graduate				uality education wa		
Satisfaction						

Employer Satisfaction (of Graduate Technical Skills).	Benchmark for $1.1.5 \ge 95\%$ combined satisfactory rating of those surveys returned was met with only 2 respondents at 100%. Note: This survey is currently ongoing at Survey Monkey with 7 employers who have yet to respond to the survey.							
Amendments to	None.							
Category I:								
Graduate								
Performance								
(Program Effectiveness)								
Summary	All 8 benchmarks reflecting 5 outcomes were met for Category I: Graduate Performance. The vast majority of students (\geq 80%) enrolled in the CSI Radiologic Technology Program are completing the program, graduating from CSI, passing the ARRT exam, gaining employment, receiving a quality education, and satisfying employers with their technical competence.							
	Student Learning Outcomes							
	(Categories $II - V$)							
Category II:	All 11 benchmarks reflecting 4 outcomes for Category II: Clinical Performance were met.							
Clinical								
Performance								
Amendments to	Category II: Clinical Performance has been completely revised because of JRCERT recommendations during							
Category II:	the development of the Interim Report resulting a proposal of 10 outcomes and 36 benchmarks. See attached							
Clinical	proposed Class of 2018 Outcome Assessment Plan. Jake Kerley motioned to revise benchmark 2.2.4 to \leq 5%							
Performance	for all competency evaluation tasks. Motion seconded by terry Patterson and unanimously approved.							
Summary	All 11 benchmarks reflecting 4 outcomes for Category II: Clinical Performance were met. As evidenced in							
	the overwhelming number of assessments that students undergo to prepare for and achieve clinical							
	competence as entry level radiographers, our students are demonstrating professional communications, safety							
	and transfer of patients, patient care and assessment, infection control, exam prep, and how to deal with acute							
	situations. They are demonstrating quality radiography position skills for non-invasive and invasive							
	procedures in class-lab and in clinical education. They are applying appropriate radiation safety measures in							
	protecting the patient, themselves and others. They are correctly evaluating image quality on routine and non-							
	routine patients. (Note: Collectively, the Class of 2017 exceeded the mean passing ARRT section score of 7.5							
	in all 8 sections of the radiography credentialing examination: (1) Patient Interactions and Management was 0.4 (2) Patient interactions of (4) L							
	8.6; (2) Radiation Physics and Radiobiology was 8.4; (3) Radiation Protection was 8.6; (4) Image Acquisition							

	and Technical Evaluation was 8.7; (5) Equipment Operation and Quality Assurance was 8.6; (6) Head, Spine, and Pelvis Procedures was 9.1; (7) Thorax and Abdomen Procedures was 8.5; (8) Extremity Procedures was 9.1.)
Category III: Problem Solving and Critical Thinking	All 4 benchmarks reflecting 4 outcomes for Category III: Problem Solving and Critical Thinking were met.
Amendments to Category III: Problem Solving and Critical Thinking Summary	 Category III: Problem Solving and Critical Thinking has been completely revised because of JRCERT recommendations during the development of the Interim Report resulting a proposal of 7 outcomes and 9 benchmarks. See attached proposed Class of 2018 Outcome Assessment Plan. Jason Lloyd motioned to modify any results/tables to include average and % of students in benchmark results in all Category III results. Motion was seconded by Rene Rambur and unanimously approved. All 4 benchmarks reflecting 4 outcomes for Category III: Problem Solving and Critical Thinking were met. Students are operating radiography machinery correctly and selecting ALARA exposure techniques that are based on Target Exposure / Deviation Indexes that allow the computer's digital imaging algorithms to operate optimally in the production of diagnostic quality images. They are demonstrating image analysis during competency evaluations as monitored by RT evaluators, clinical instructors and the program clinical coordinator.
Category IV: Communication Skills	Both of 2 benchmarks for Category IV: Communication Skills were met.
Amendments to Category IV: Communication Skills	The tool for outcome 4.4.2 needs to be replaced with a more realistic and effect way to assess student written communications. A book report on the first nuclear reactor incident at Arco, Idaho used an extensive rubric for assessment that turned into more of a English course activity, even though we believe students learned many import things about the reactor incident. The amount of time and energy involved in this endeavor was too extensive. Students have already had Freshman English and Speech Communications courses. See attached proposed Class of 2018 Outcome Assessment Plan.
Summary	Both of 2 benchmarks for Category IV: Communication Skills were met. A more practical and effective tool for assessing student written communications for outcome 4.4.2 needs replaced.
Category V: Professional Growth and Development	All 3 benchmarks were met for Category V: Professional Development.

Amendments to	None							
Category V:								
Professional								
Growth and								
Development								
Summary	All 3 benchmarks were met for Category V: Professional Development. Students are applying the values, ethics and compassion of a competent radiographer. They are developing a five-year career plan.							
	Assessment Plan Review							
Summary	25 out of 27 benchmarks (93%) reflecting 17 measured outcomes were met. Benchmark 2.2.4.A was not included (measured) as student data was lost and during the move from Blackboard to Canvas was unable to be retrieved.							
Mission Statement	No recommended changes were made to the program mission statement: The mission of the College of Southern Idaho's Associate of Applied Science Radiologic Technology Program in Radiography is to prepare students to become graduates for entry level employment as ARRT Registered Technologists in Radiography.							
Goals	No recommended changes were made to the program goals: The goals established to achieve this mission include: (1) Measuring program effectiveness on an ongoing basis; (2) Producing clinically competent students; (3) Producing students with problem solving and critical thinking skills; (4) Producing students who can effectively communicate and interact with patients and staff; (5) Producing students and graduates who behave ethically.							
Recommended changes to the assessment plan.	Motions to revise 2.2.4 and all of Category III were made and seconded and unanimously approved. Changes will be affected on the Class of 2018 Outcome Assessment Plan that was unanimously approved.							
Final Thoughts	JRCERT recommends that program faculty attend a JRCERT Outcomes Assessment Workshop in 2018. The Class of 2018 Outcome Assessment Plan is to be assessed at the next annual program advisory meeting during February 2019.							
	College of Southern Idaho							
Radiologic Technology Program								
Minu	Minutes from the Program Advisory Meeting of February 28, 2018							
	For the Class of 2017 Outcomes Assessment Plan							

From 2-28-2018 Program Advisory Meeting Minutes: Outcome Assessment Plan for the Class of 2017 was reviewed in detail under Gary's coordination in HSHS 178 CSI Rad Lab between 10 am and 12:15. Prior to starting the review, Gary presented the purpose of the review as prescribed by the Joint Review Committee on Education in Radiologic Technology. Each outcome was separately reviewed from "outcome" to "action" for each of the 5 categories as well as a corresponding review for the outcomes for the proposed 2018 OA plan. The review sought to clarify communication of data and/or any actions that may impact program improvements regarding the outcome in question. Motions to approve with or without revisions were called for each outcome separately for the Class of 2017 OA plan. Motions to approve with or without revisions were called for the 2018 proposed OA plan. (Note: Motions of these reviews and any revisions are below.)

Class of 2017 Outcome Assessment Plan Review & Approval 2-28-2018

Outcome	First Motion Accept w/o revisions Accept w revisions Not Accepted	Name	Revisions	Second Motion Name	Vote Approved Not Approved
1.1.1.	Accept w/o revisions	Tom Bandolin	None	RoseAnna Holliday	Approved
1.1.2. A,B,C,D	Accept w/o revisions	Terry Patterson	None	Debbie Rothwell	Approved
1.1.3	Accept w/o revisions	RoseAnna Holliday	None	Ty Rudkin	Approved
1.1.4	Accept w/o revisions	Jayson Lloyd	None	Kelsey Dietz	Approved
1.1.5	Accept w/o revisions	Rene Rambur	None	Tom Bandolin	Approved
2.2.1 A,B,C,D	Accept w/o revisions	Terry Patterson	None	Tom Bandolin	Approved
2.2.2 A,B	Accept w/o revisions	Debbie Rothwell	None	Jayson Lloyd	Approved
2.2.3 A, B-1, B-2	Accept w/o revisions	Jayson Lloyd	None	Kelsey Dietz	Approved
2.2.4 A,B	Accept with revisions	Jake Kerley	2.2.4 Benchmark: change to \leq 5% for all competency evaluation form tasks.	Terry Patterson	Approved
3.3.all	Accept with revisions	Jayson Lloyd	Modify any results/tables to include average and % of students in	Rene Rambur	Approved

3.3.1 A, B 3.3.2 3.3.3 4.4.1 4.4.2 5.5.1 5.5.2 5.5.3	Accept w/o n Accept w/o n	revisions revisions revisions revisions revisions revisions revisions	Rose Rose Jayson Kelse Terry Ty Ru Jayson	n Lloyd	benchmark results in all category results for all of Goal 3. None None None None None None None None	Ty RudkinDebbie RothwellJayson LloydKelsey DietzJayson LloydJayson LloydKelsey DietzDebbie Rothwell	ApprovedApprovedApprovedApprovedApprovedApprovedApprovedApprovedApprovedApproved
Proposed Category	1 2018 Out	COME A		sment Plan Name	Review and Approval 2- Revisions	28-2018 Second Motion	Vote
		Accept w revisions Accept w revisions Not Acce	7			Name	Approved Not Approved
I: Graduate I 5 Outcomes 8 Benchmarl		Accept w revisions		Jayson Lloyd	None	Terry Patterson	Approved
II: Clinical F 10 Outcome 36 Benchma	s &	Accept w revisions		Kelsey Dietz	 Considerations for venipuncture: 1. Add 1 credit course to show competency for venipuncture and/or reduce prerequisite credits by 1 2. Build up venipuncture requirement into CT course w/ competency requirements in clinical setting 	Terry Patterson	Approved

Ill: Problem Solving and	Accept with revisions	Terry	 Approval and documentation with skills assessment presented to challenge out of venipuncture course Add verbiage to Outcome 1-6: "to be able to". 	Kelsey Dietz	Approved
Critical Thinking: 7 Outcomes & 9	revisions	Patterson			
Benchmarks		RoseAnna Holliday	Add verbiage to Outcome 7: "Students will apply theoretical to practical application in clinical setting".	Kelsey Dietz	Approved
IV: Communication Skills: 2 Outcomes & 3 Benchmarks	Accept w/o revisions	Jayson Lloyd	None	Terry Patterson	Approved
V: Professional Growth and Development: 3 Outcomes & 3 Benchmarks.	Accept w/o revisions	Debbie Rothwell	None	Tom Bandolin	Approved