

College of Southern Idaho Radiologic Technology Program Outcome Assessment

2. The 100% first time credentialing examination pass rate exceptionally exceeded the program benchmark of 80% annual first time pass rate.
3. The Class of 2021's education was abruptly disrupted when COVID 19 forced their didactic education to be provided on zoom beginning in March of 2020. The students persevered however, attending zoom courses throughout the summer and fall semesters with no breaks to assure clinical education could be completed which had been suspended until July 2020 due to the pandemic.

B.

5 year first time pass
rate.

B.

80 % 5

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Ttme

A B.

Y

Action: Track and compare trends.

1. CSI Rad Tech Program's 5 year program mean scaled score of 85.4 (2021 = 83.9, 2020 = 84.9, 2019 = 82.5, 2018 = 88.6, 2017 = 86.9, = $426.8 \div 5 = 85.4$) is

	B. All venipuncture lab competency evaluations. (Direct)	B. 100% of students will pass their venipuncture lab competency evaluation.	B. 5 th semester	B. RADT 165 Instructor	B. Yes 12/12 = 100%
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Action: Track and compare trends.

All students passed their venipuncture lab competency evaluation

23 (An adequate number of procedures).

B 2.
100 % of students will score 3.

B 2.
3rd and 5th

Action: Track and compare trends.

- The Class of 2021's didactic instruction was interrupted when all CSI courses moved to online instruction (Zoom) in March 2020. Prior to moving to online instruction students had been evaluated during the Procedures Lab (RADT 151L) on a weekly basis. The students had been performing well in lab so it was determined the lab assessment could be suspended since we had no access to the Rad Tech lab because the CSI campus was closed.
- The Class of 2020 exceeded the benchmark of 3 with a score of 3.6, the Class of 2019 did not meet the benchmark with a score of 2.3.

	B. Student Image Analysis Self Assessment Survey, #1 5. (Indirect)	B. 100 % of students will score 3.	B. 5 th semester.	B. Clinical Coordinator	B. No 11 out of 12 students scored 3 with a composite score of 3.7
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Action: Track and compare trends.

- The Class of 2021's composite score of 3.7 was up from the Class of 2020's score of 3.2 and the Class of 2019's score of 3.6.
- The benchmark was not met because one student scored themselves at a 2.6, below the benchmark of 3.
- The student with a score of 2.6 scored themselves with a "2" on question #2 "How confident do you feel in assessing CR placement on a radiograph?" and question #4 "How confident do you feel correcting exposure techniques based on the deviation index (DI)?" The anonymous survey was given at the end of training in the 5th semester. It may be worthwhile to give the survey at the end of the 3rd semester also to evaluate if students are struggling with concepts but are afraid to speak up.
- Overall students feel confident in their image analysis ability based on the data from the anonymous Image Analysis Self Assessment Survey.

Category IV: Communication Skills

Goal IV: Students will communicate and interact effectively with patients and staff.

Outcomes	Tools	Benchmark	Time Frame	Responsibility	Result
1. Students will provide appropriate patient instructions that prevent repeats due to motion prior to making an x ray exposure.	A. All Unsatisfactory Competency Evaluation Task # 14: Patient Instructions. (Direct)	A. 95% combined satisfactory rating.	A. 3 rd , 4 th and 5 th semesters.	A. Clinical Coordinator	A. No 12/13 = 92.3% 1 out of 13 total unsatisfactory comps was due to inadequate patient instructions.

Action: Track and compare trends.

- There was one unsatisfactory comp due to inadequate patient instructions which resulted in a failed comp but the lack of instructions did not cause motion on the images. The student failed the chest comp due to patient instructions, arms not completely raised, positioning (rotation), and lack of shielding. The student also forgot to ask the patient for their history. The comp was attempted very early in the first CE semester so the student may have been nervous trying to get their first comp.

7. Possibly the benchmark is set too low to reflect the realities of patient interactions out of the students' control.

2. Students will be effective critical communicators in the clinical setting.	A. Clinical Instructor Student Effective Communication Survey – of surveys returned. (Direct)	A. 100 % of students with a composite score 3.	A. 3 rd and 5 th semesters.	A. Clinical Coordinator	A. Yes 3.63 average score Out of 20 surveys returned
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Action: Track data and compare trends.

1. The Class of 2021's average score of

Category V: Professional Growth and Development

Goal V: Students and graduates will behave ethically.

Outcomes	Tools	Benchmark	Tim Frame	Responsibility	Result
1. Students will adhere to ethical standards of practice.	A. Grade Determination Form B #5: Professional Ethical Conduct. (Direct)	A. 100 % of students will have a composite score 3.	A. 3 rd and 5 th semesters.	A. Clinical Coordinator	A. Yes 12/12 students scored 3 for both semesters. 3 rd semester = 4 5 th semester = 3.92 Composite = 3.96
<p>Action: Track data and compare semesters and cohorts.</p> <p>1. Clinical Preceptors scored all students in the 3rd semester with a “4 – Excellent” rating, while 11/12 students also scored a “4” in the 5th semester with one student scoring a “3” showing clinical preceptors and clinical staff believe students have excellent professional ethical conduct.</p> <p>2. Comparison of the Class of 2021 to 2020 3rd semester (4 and 3.9 respectively) and 5th semesters (3.92 and 3.5 respectively) demonstrates an improvement for 2021. Interesting that both cohorts score declined in the 5th semester over the 3rd semester.</p> <p>3. The composite scores for the 2021, 2020, and 2019 cohorts (3.96, 3.74 and 3.95 respectively) greatly exceeded the benchmark of 3, indicating that RTs and CPs believe students from these cohorts adhered to ethical standards of practice.</p>					
	B. Anonymous Student Radiographer Ethics Self Assessment. (Indirect)	B. 100 % of students will have a composite score 3.	B. 3 rd and 5 th semesters.	B. Clinical Coordinator	B. Yes 21/21 surveys returned all scored 3. 3 rd semester = 3.7 5 th semester = 3.8 Composite = 3.75

Action: Track data and compare semesters and cohorts.

1. Comparison of the Class of 2021 3rd and 5th semesters were about the same (3.7 and 3.8 respectively) showing slight growth over the training period.
1. The Class of 2021 scored identical to the Class of 2020 for 3rd and 5th semesters (3.7 and 3.8 respectively for both groups).
3. All three cohorts (2021, 2020, 2019) composite scores (3.75, 3.75, and 3.78 respectively) met slight

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professionalism) of graduates.	personal skills (i.e., communication, critical thinking, reliability, professionalism).				returned. The combined rating was 4.85
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Action:

1. Employer surveys were emailed to department managers on February 28, 2022.
2. Three employer surveys were not returned (Minidoka Me7Tc(Three)Tj/TT11Tf2.347304rThree

1. This

	3 for all students.
Amendments to Category V: Professional Growth and Development	None
Summary	4 out of 4 benchmarks reflecting 2 outcomes for Category V: Professional Growth and Development were met. Students are adhering to ethical standards of practice. Employers are satisfied with graduates overall personal skills (i.e., safety, flexibility, creativity, communication, professionalism).
Assessment Plan Review	
Summary	19 out of 26 benchmarks (73%) reflecting 13 measured outcomes across 5 categories and 5 goals were met. Outcome 3.3.2.A. (RADT 151 Radiographic Procedures Lab Assessment) was included in the total number of benchmarks but not measured because it was not completed for the Class of 2021 due to the campus being closed and classes being moved online during the beginning of the COVID 19 pandemic.
Mission Statement	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 will be reviewed at the April 2022 Program Advisory Meeting.
Goals	The program goals established to achieve the mission: (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; and (5) Producing students and graduates who behave ethically will be reviewed at the April 2022 Program Advisory Meeting.