Santa Rosa Junior College

Program Resource Planning Process

Radiologic Technology 2018

1.1a Mission

Based on the major missions of the college, the faculty of the Radiologic Technology Program at Santa Rosa Junior College is dedicated to facilitating the growth and development of enrolled students in becoming competent entry-level radiologic technologists to function within the healthcare community they serve.

Program Objectives:
The major goals of the Santa Rosa Junior College Radiologic Technology Program are to assist the enrolled students:
- in performing positioning skills with accuracy, utilizing skills in radiation protection, and demonstrating proper equipment handling;
- in using critical thinking ito recognize image quality and to adapt to non-routine patients and procedures;
- in demonstrating good communication in clinical environment, as well as demonstrating good oral and written communication;
- in demonstrating professionalism and understanding of ethical decision making.

1.1b Mission Alignment

Our program mission is based on the college mission. Thus, we do believe that it is well aligned with the District's mission. Of the Stratgic plan listed below, the radiologic technology program embraces all, but is particularly invested in bulletted points #1, #4 and #5.

Mission

SRJC passionately cultivates learning through the creative, intellectual, physical, social, emotional, aesthetic and ethical development of our diverse community.

• We focus on student learning by preparing students for transfer; **by providing responsive career and technical education**; and by improving students' foundational skills.

• We provide a comprehensive range of student development programs and services that support student success and enrich student lives.
• We support the **economic vitality, social equity and environmental stewardship** of our region.
• We **promote personal and professional growth and cultivate joy at work and in lifelong learning.**
• We foster critical and reflective civic engagement and thoughtful participation in diverse local and global communities.
• We regularly assess, self-reflect, adapt, and continuously improve.

1.1c Description

The SRJC Radiologic Technology program serves the community in training and graduating qualified students to become health care providers in Radiologic Technology.

1.1d Hours of Office Operation and Service by Location

The program's operational hours span as early as 0700 and as late as 1800 Mondays through Fridays. We do allow some limited "swing shift" hours as a part of their clinical experience, but only if there is adequate supervision for the student available, and only when specially requested and authorized.

The Joint Review Committee in Edcation of Radiologic Technology (JRCERT) defines traditional program hours Monday - Friday within the hours of 5:00 AM through 7:00 PM. The JRCERT will also allow evening and weekend exerience on occasion. No night shift. (JRCERT standard 1.3)

1.2 Program/Unit Context and Environmental Scan

N/A for Degree programs, transfer major, general education and basic skills.

Regarding CTE certificates, the program has very good relationships with the various health care agencies.

Recent graduates are still finding employment although not always full time. Many have taken part time or per diem positions. Most recent survey indicates that of all graduates from the class of 2013 looking for work, 69% have found at least some work as a radiologic technologist. Per the JRCERT mandate, we will start to track this at 12 rather than 6 months. Also per a JRCERT mandate regarding transparency, we have posted our mission statement, program

SLO's and Program Effectiveness data on the Radiologic Technology homepage. The 5 year trend can be found there.

There was no graduatuing class in 2014.

Statistics regarding the graduates of 2015 indicate that 13 actively sought employment as a radiologic technologist, and of those 11 have been successful indicating 85% employment rate.

Statistics regarding the graduates of 2016 indicate that 17 actively sought employment as radiologic technologists, and of those 15 have been successful indicating 88% employment rate.

Preliminary Statistics (Feb 2018) regarding the graduates of 2017 indicate that 17 of 20 are employed in some capacity as a radiologic technologist 85% employment rate.

2.1a Budget Needs

2018-2019:

1. Faculty continue to visit students on a periodic basis, and we again request adequate funding for mileage reimbursement. We are budgeted for $1,750.00 per year. Last year we depleted our mileage budget, and this year mileage for fall 2017 was 1400 miles at the IRS rate of $0.545 gives us a present balance of $987.00. Faculty have been directed to visit the students as often as necessary, but to limit their visits to students on site at minimum of twice per semester and more if necessary.

2. We request funding to affiliate with additional clinical sites as these opportunities become available. Presently we are preparing to open negociations with Kaiser Permenente here in Santa Rosa in an effort to utilize their ortho clinic and other outpatient areas as additional clinical placements for students. By doing this, we have the opportunity to drop some of our more distant sites that are not used often thereby saving budget for mileage reimbursement and adding student convenience. Any additional clinical placements nearby would be welcome additions and may also allow us to increase the size of our incoming cohort.

3. The State of CA and our radiation protection policy here at SRJC mandates that we have our existing x-ray installation certified for operational safety by a physicist annually. This was last accomplished in April 2017. We have contracted with a different physicist organization, and their fee is $850.00 per visit.

4. The State of CA has increased their fee for affiliated clinical sites. Presentlty we are associated with 19 sites. At the new rate of $224 + $164 per clinical site (19) we are projecting an annual invoice for $3400.00 in August 2018. We appreciate the VPAA's office for shouldering this expense, and we did make them aware of the price increase last year.

5. In the unlikely event that the video projector in 4046 was not updated in the past academic year, we request an update to that capability. Greg Wycoff has proposed a flat panel display computer mounted on the wall as a solution. He indicates that he would be willing to facilitate this as a routine upgrade to the projection equipment in that room. Space is at a premium in 4046, so this wall mounted installation will free up floor space that is presently used for a projection stand.

Radiologic Technology - FY 2016-17

2.1 Fiscal Year Expenditures

Santa Rosa Campus

Expenditure Category	Unrestricted Funds	Change from 2015-16	Restricted Funds	Change from 2015-16	Total	Change from 2015-16
Faculty payroll	$83,503.00	3.95%	$0.00	0.00%	$83,503.00	3.95%
Adjunct payroll	$164,520.93	6.85%	$0.00	0.00%	$164,520.93	6.85%
Classified payroll	$0.00	0.00%	$0.00	0.00%	$0.00	0.00%
STNC payroll	($7.43)	0.00%	$0.00	0.00%	($7.43)	0.00%
Student payroll	$0.00	0.00%	$0.00	0.00%	$0.00	0.00%
Management payroll (and Dept Chairs)	$0.00	0.00%	$0.00	0.00%	$0.00	0.00%
Benefits (3000's)	$50,592.03	-6.06%	$0.00	0.00%	$50,592.03	-6.06%
Supplies (4000's)	$1,175.21	-4.81%	$0.00	0.00%	$1,175.21	-4.81%
Services (5000's)	$4,169.15	-19.63%	$0.00	0.00%	$4,169.15	-19.63%
Equipment (6000's)	$279.62	0.00%	$1,579.42	-34.44%	$1,859.04	-22.84%
Total Expenditures	**$304,232.51**	**3.28%**	**$1,579.42**	**-34.44%**	**$305,811.93**	**2.97%**

Petaluma Campus (Includes Rohnert Park and Sonoma)

Expenditure Category	Unrestricted Funds	Change from 2015-16	Restricted Funds	Change from 2015-16	Total	Change from 2015-16
Faculty payroll	$0.00	0.00%	$0.00	0.00%	$0.00	0.00%
Adjunct payroll	$0.00	0.00%	$0.00	0.00%	$0.00	0.00%
Classified payroll	$0.00	0.00%	$0.00	0.00%	$0.00	0.00%
STNC payroll	$0.00	0.00%	$0.00	0.00%	$0.00	0.00%
Student payroll	$0.00	0.00%	$0.00	0.00%	$0.00	0.00%
Management payroll (and Dept Chairs)	$0.00	0.00%	$0.00	0.00%	$0.00	0.00%
Benefits (3000's)	$0.00	0.00%	$0.00	0.00%	$0.00	0.00%
Supplies (4000's)	$0.00	0.00%	$0.00	0.00%	$0.00	0.00%
Services (5000's)	$0.00	0.00%	$0.00	0.00%	$0.00	0.00%
Equipment (6000's)	$0.00	0.00%	$0.00	0.00%	$0.00	0.00%
Total Expenditures	**$0.00**	**0.00%**	**$0.00**	**0.00%**	**$0.00**	**0.00%**

Other Locations (Includes the PSTC, Windsor, and other locations)

Expenditure Category	Unrestricted Funds	Change from 2015-16	Restricted Funds	Change from 2015-16	Total	Change from 2015-16
Faculty payroll	$0.00	0.00%	$0.00	0.00%	$0.00	0.00%
Adjunct payroll	$3,634.90	103.15%	$0.00	0.00%	$3,634.90	103.15%
Classified payroll	$0.00	0.00%	$0.00	0.00%	$0.00	0.00%
STNC payroll	$0.00	0.00%	$0.00	0.00%	$0.00	0.00%
Student payroll	$0.00	0.00%	$0.00	0.00%	$0.00	0.00%
Management payroll (and Dept Chairs)	$0.00	0.00%	$0.00	0.00%	$0.00	0.00%
Benefits (3000's)	$554.65	139.49%	$0.00	0.00%	$554.65	139.49%
Supplies (4000's)	$0.00	0.00%	$0.00	0.00%	$0.00	0.00%
Services (5000's)	$0.00	0.00%	$0.00	0.00%	$0.00	0.00%
Equipment (6000's)	$0.00	0.00%	$0.00	0.00%	$0.00	0.00%
Total Expenditures	**$4,189.55**	**107.32%**	**$0.00**	**0.00%**	**$4,189.55**	**107.32%**

Expenditure Totals

Expenditure Category	Amount	Change from 2015-16	District Total	% of District Total
Total Expenditures	$310,001.48	3.67%	$149,725,018.78	0.21%
Total Faculty Payroll	$251,658.83	6.59%	$47,889,987.40	0.53%
Total Classified Payroll	$0.00	0.00%	$23,022,361.43	0.00%
Total Management Payroll	$0.00	0.00%	$9,924,644.22	0.00%
Total Salary/Benefits Costs	$302,798.08	4.35%	$106,740,760.16	0.28%
Total Non-Personnel Costs	$7,203.40	-18.43%	$16,678,764.69	0.04%

2.1b Budget Requests

Rank	Location	SP	M	Amount	Brief Rationale
0001	ALL	02	01	$1,500.00	Mid Term report fee to JCERT
0002	Santa Rosa	04	01	$850.00	Annual X-ray room annual radiation safety and performance check to be accomplished yearly per State of CA mandate. Physicist fee is $850 in 2017.
0003	Santa Rosa	04	01	$750.00	Budget to affiliate with clinical sites as those opportunities become available.

2.2a Current Classifed Positions

Position	Hr/Wk	Mo/Yr	Job Duties
None needed	0.00	0.00	

2.2b Current Management/Confidential Positions

Position	Hr/Wk	Mo/Yr	Job Duties
None needed	0.00	0.00	

2.2c Current STNC/Student Worker Positions

Position	Hr/Wk	Mo/Yr	Job Duties
Student Workers	0.00	0.00	The radiologic technology program is grateful to share the existing student workers in health sciences cluster. Incidently, although we are not too demanding on this work resource, when we do use them they do an EXCELLENT job.

2.2d Adequacy and Effectiveness of Staffing

UPDATED FOR 2018-19
A f/t clinical coordinator position is requested to accommodate two classes of students in the clinical site on different days, not at the same time. The end result is 2 trips to the clinical site rather than just one. Our clinical sites are spread out geographically from Marin to Willits and east to Napa. Radiologic Technology has requested this position for the past 6 years.

Additionally, it has become increasingly difficult to staff our didactic classes AND adequate clinical coordinator coverage utilizing adjuncts only. Radiologic Technology subscribes to the model of 1 clinical coordinator hour per student per week, and based on 37 students currently. According to the Faculty load conversion table (REV: 8/16/16 effective Spring 2017 * Includes regular ADN program and KAD), 21.25 hours credit lab = 100%. Based on 40 students, that equates to 188% for clinical coordinator alone and this *in addition to* covering all of the classroom instruction. The program director is forbidden from acting as a clinical coordinator per our accreditation.

Finally, I am requesting one (1) additional instructor to participate in positioning labs 61A and 61B. With the new DR room becoming available, the students can now start to make exposures on anatomical models and positioning phantoms as a part of lab. This will require the presence of a faculty who possesses a certification as a radiologic technologist. One instructor can work 1:1 with students making exposures, while the other instructor in the other lab can be working with small groups of students practicing radiographic positioning.

Radiologic Technology - FY 2016-17

2.2 Fiscal Year Employee Data and Calculations

Employee Head Counts

Employee Category	Count	Change from 2015-16	District Total	% of District Total
Contract Faculty	1	0.00%	314	0.32%
Adjunct Faculty	8	0.00%	1340	0.60%
Classified Staff	0	0.00%	523	0.00%
STNC Workers	1	0.00%	642	0.16%
Student Workers	0	0.00%	583	0.00%
Mgmt/Admin/Dept Chair	0	0.00%	170	0.00%

Employee FTE Totals

FTE Category	FTE	Change from 2015-16	District Total	% of District Total
FTE-F - Faculty	4.4624	-3.55%	729.3482	0.61%
FTE-CF - Contract Faculty	1.0000	0.00%	310.0330	0.32%
FTE-AF - Adjunct Faculty	3.4624	-4.53%	419.3152	0.83%
FTE-C - Classified	0.0000	0.00%	454.0118	0.00%
FTE-ST - STNC	0.0024	0.00%	93.0257	0.00%
FTE-SS - Support Staff	0.0024	0.00%	725.5377	0.00%
FTE-SW - Student Workers	0.0000	0.00%	178.5002	0.00%
FTE-M - Management	0.0000	0.00%	127.1114	0.00%
FTE-DC - Department Chairs	0.0000	0.00%	0.0000	0.00%

Student Data

Data Element	Value	Change from 2015-16	District Total	% of District Total
FTES-CR - Credit	104.5225	9.13%	0.0000	0.00%
FTES-NC - Non-Credit	0.0000	0.00%	0.0000	0.00%
FTES - combined	104.5225	9.13%	0.0000	0.00%
Students Enrolled/Served	373	-21.14%	0	0.00%

Calculations

Data Element	Value	Change from 2015-16	District Total	% of District Total
FTE-S : FTE-F	23.4229	13.15%	0.0000	0.00%
FTE-AF : FTE-CF	3.4624	-4.53%	1.3525	256.00%
FTE-F : FTE-SS	1856.3571	0.00%	1.0053	>1000%
FTE-F : FTE-M	0.0000	0.00%	5.7379	0.00%
FTE-SS : FTE-M	0.0000	0.00%	5.7079	0.00%
FTE-ST : FTE-C	0.0000	0.00%	0.2049	0.00%
Average Faculty Salary per FTE-F	$56,395.44	10.52%	$65,661.35	85.89%
Average Classified Salary per FTE-C	$0.00	0.00%	$50,708.73	0.00%
Average Management Salary per FTE-M	$0.00	0.00%	$78,078.32	0.00%
Salary/Benefit costs as a % of total budget	97.68%	0.65%	71.29%	137.01%
Non-Personnel $ as a % of total budget	2.32%	-21.32%	11.14%	20.86%
Restricted Funds as a % of total budget	0.51%	-36.77%	17.57%	2.90%
Total Unit Cost per FTE-F	$69,469.72	7.49%	$205,286.06	33.84%
Total Unit Cost per FTE-C	$0.00	0.00%	$329,782.22	0.00%
Total Unit Cost per FTE-M	$0.00	0.00%	$1,177,903.94	0.00%
Total Unit Cost per FTE-S	$2,965.88	-5.00%	$0.00	0.00%
Total Unit Cost per student served/enrolled	$831.10	31.47%	$0.00	0.00%

2.2e Classified, STNC, Management Staffing Requests

Rank	Location	SP	M	Current Title	Proposed Title	Type
0000	Santa Rosa	00	00	none	none at this time	Classified

2.3a Current Contract Faculty Positions

Position	Description
FT faculty position	The current full time position has 23% release time for program coordination.
Adjunct faculty positions	There are presently 5 active adjuncts on the roster. 2 adjuncts teach in the classroom and take clinical coordinator responsibilities. 1 adjunct works soley as a clinical coordinator. 2 adjuncts teach in class and lab only.

2.3b Full-Time and Part-Time Ratios

Discipline	FTEF Reg	% Reg Load	FTEF Adj	% Adj Load	Description
Radiologic Technology	0.4700	15.0000	2.5900	85.0000	There are no full time coordinator/instructors in the program with the exception of the program director.

2.3c Faculty Within Retirement Range

Of the core radiologic technology faculty, the program director and three instructors (adjunct) are within retirement age. The program director has made the college aware that he will resign his full time position at the end of spring 2019 semester. He will stay on as adjunct to teach the summer courses then he plans to retire in summer 2019. HR tells us that at this time there is one new applications for rad tech adjunct that has been submitted, but that individual may not meet minimum qualifications.

2.3d Analysis of Faculty Staffing Needs and Rationale to Support Requests

With our program now at full capacity, additional clinical coordinator time or positions will become necessary. Although we have 4 adjunct faculty and all can function in the clinical coordinator capacity, these faculty have other jobs that preclude them from robust participation for SRJC activities The minimum qualifications for clinical coordinator include a baccalaureate degree, experience in supervision and curriculum design, 2 years clinical experience and certification in the professional discipline. (JRCERT standards 2.2, 3.8, 6.3)

2018 Narritive

(A) Position: Radiologic Technology Clinical Coordinator

Radiologic Technology requests one full time clinical coordinator (CC) position. Primary responsibilities of this position are to coordinate and oversee the student's clinical activities and to document student progress over the 2 year program. Additionally, this faculty member will be expected to teach in the discipline as well as maintain all of the other requirements and obligations that the college expects of a full time faculty. Radiologic Technology has requested a full time clinical coordinator position in our PRPP from 2013 to present.

Current Contract Faculty:

Presently there is one full time program director (PD) position which is in place as is required by our accrediting agency the Joint Review Committee of Education in Radiologic Technology (JRCERT). Radiologic Technology is mandated by JRCERT Standard 2.2 to have a full time program director. All JRCERT accredited programs subscribe to this same model. The PD has 23% re-assigned time here at SRJC. The previous PD went on LOA in fall of 2011 and retired in spring 2012. The new PD started as adjunct that spring then full time in fall 2012. New PD is the only new contract position in the past seven years and conceivably longer than that. In addition to Standard 2.2 quoted above, JRCERT Standard 6.3 requires that clinical coordinator holds at minimum a baccalaureate degree, or an associate degree plus 6 years' experience. Existing faculty all meet this requirement.

Current Adjunct Faculty:

Presently there are five adjunct faculty associated with radiology technology. There has been one other applicant for the radiologic technology pool in the past 12 months, but she only has a certificate in radiologic sciencs and needs at least an AS degree to be eligible for hire. Therefore, the PD and four adjunct faculty are overseeing 37 students in 19 clinical sites.

Institutional Impact:

Primarily, this position will oversee all aspects of the clinical experience courses at our affiliated clinical sites. We are mandated by the college to accept a cohort once each fall semester of 20 students. As of the spring 2018, we have 37 continuing students between the 2 cohorts. Our program has affiliation agreements with 19 clinical sites, and is actively negotiating with one more in order to provide adequate observational experiences for our 2 cohorts. Some of our clinical sites are only able to accommodate on student from each class per semester. In two cohorts of 20 students each spread out in clinical sites from Kentfield to Willits and Napa to Sebastopol, it is logistically challenging to give all students' access to their CC on a monthly basis in their clinical setting. This is confounded by separating alternate cohorts on alternate days in the clinical sites. A 1st year student attends General Hospital on Tuesday and Thursday, and 2nd year student in the same hospital Monday, Wednesday and Friday. Cohorts of students are assigned alternate days based on the class schedule and JRCERT regulation. Therefore, clinical coordinators may need to make two trips to the same site on subsequent days.

Department Needs and Goals:

Based on the geographic expanse of our affiliated clinical sites spanning 3900 square miles over 5 counties, and with the addition of at least one more clinical site before the end of this academic year, Radiologic Technology requests a full time clinical coordinator position to primarily oversee activities for our students in their clinical site as well as teach in the classroom and to participate in college service activities as required of all full-time faculty. With 20 students in each cohort (40 total) and assuming one hour per week per student, the faculty load equals 94.118 load for each of the two cohorts for clinical coordination alone!

Degrees & Certificates:

Counting the Radiologic Technology AS degree, the college certificate of completion, CT, MRI, venipuncture, mammography and fluoroscopy certifications all together for the past 5 years total more than 200 in a combined student population of 65. All have completed and graduated. As of 2015, the American Registry of Radiologic Technologist requires all graduates applying for registration as a radiologic technologist to have an associate degree level education at minimum.

Our Radiologic Technology program interfaces with the college strategic plan mission by providing responsive career and technical expertise in the field of diagnostic medical imaging and secondarily to support the economic vitality in our region. Additionally, as our graduates start their career, they grow professionally into essential members of the health care team.

CTE Positions:

Health science sector shows projected growth in Sonoma county and nationwide. Ben Stone presented at the CTE meeting 9/26/14 and indicated 15% growth in the Health Sector for the period 2010 – 2020. This correlates well with BLS projection of 21% growth for radiologic technology the period 2012-2022 and the anticipated need of 48,000 jobs nationwide. Of the most recent graduating class (July 2016) 90% are already employed.

Bay Area: LMI demand data indicates that there is currently an average of 142 Radiologic Technology awardees per year and 577 Radiologic Technology openings (new and replacements) per year, creating a supply gap of 435.

ALL California: There is an 8% estimated growth in our industry, which equals 2435 RT job openings, (new and replacement). It's predicted that there will be 633 graduates in California during the same time frame, leaving a supply gap of 1802 jobs to be filled.

Position Mandates: Our accrediting agency JRCERT requires in Standard 2.2:

> *"A full-time program director is required… Additionally, a full-time equivalent clinical coordinator is required if the program has more than five (5) active clinical settings or more than thirty (30) students enrolled in the clinical component. The clinical coordinator position may be shared by no more than four (4) appointees. If a clinical coordinator is required, the program director may not be identified as the clinical coordinator. The clinical coordinator may not be identified as the program director."*

Under our present model, the PD is acting as one of the 5 appointed clinical coordinators, and we have more than 4 appointees overseeing students in the clinical sites. Therefore, under the current model we are out of compliance with our accrediting agency standards. For all of the reasons stated above, Radiologic Technology requests one full time clinical coordinator position.

(B) Position: Additional instructor in RADT 61A and 61B positioning labs

In an effort to give students more hands on positioning practice with patients and with the x-ray equipment, I am requesting an additional instructor to be assigned to the positioning labs in the first and second semesters. By adding one additional instructor for each lab, we can maintain the small instructor to student ratio (1:5), and with the installation of a new DR x-ray room we can now allow students to make exposures on anatomical models and anthropomorphic phantoms to have hands on experience with positioning and technique. However, students making exposures are required to have direct faculty supervision at all times, thus the presence of an additionaal instructor. This position can be assigned one of our existing adjunct instructors.

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2.3a Contract Faculty Positions Employees paid from a Contract Faculty OBJECT code

Name Last	First	Position	Hours	HR FTE	DM FTE
Lehrer	Richard	Faculty	0.00	1.0000	0.0000
Totals			**0.00**	**1.0000**	**0.0000**

2.3b Adjunct Faculty Positions Employees paid from an Adjunct Faculty OBJECT code

Name Last	First	Position	Hours	FTE
Alander	Tammy		443.00	0.3124
Diehl	Keith		231.00	0.2789
Garcia	Diane	DIANE GARCIA IS NO LONGER ACTIVE FACULTY - 4/2018 - R	77.00	0.4689
Lehrer	Richard		87.01	1.0000
Maslow	Rene		1.00	0.0000
McCann	Janet		230.00	0.4023
Patterson	Bonnie		405.30	1.0000
Robertson	Joanne		303.00	0.0000
Totals			**1777.31**	**3.4624**

2.3e Faculty Staffing Requests

Rank	Location	SP	M	Discipline	SLO Assessment Rationale
0001	ALL	02	01	Clinical Coordinator - see 2.2d and 2.3d	Radiologic technology has 40 students program wide in hospital and clinical assignments from Marin all the way to Willits. The ability to evaluate every student in their assigned clinical site once per month at minimum has become difficult given the wide geographic distance between sites, the total number of students requiring that interaction, and that the students are not all in their clinical sites every day of the week. First year students alternate days with second year students. In an effort to adequately evaluate the student's familiarity with the listed SLO's, and to provide remediation to those who may require it, a full time clinical coordinator is necessary to provide student support in the clinical site and on campus. The program director has functioned as an additional clinical coordinator although this practice violates our accreditation standards (Standard 2.2). Our accrediting agency requires that faculty periodically evaluate students in the clinical setting. The site visits are especially valuable to our students from the perspective or reviewing their images for technical quality, positioning quality and radiation protection. This task cannot be accomplished here on campus, viewing the student images is the only way to do this. Student Learning Outcomes: 1. Operate radiographic imaging equipment and accessory devices. 2. Position patients and modify standard procedures to accommodate for patient condition exposure factors. 3. Perform radiographic examination and procedures with minimum radiation exposure for the patient, self, and others.
0001	ALL	01	01	One additional instructor in positioning labs	Positioning lab for the incoming students is their only opportunity to learn how to manipulate radiographic equipment and to position their patient’s body in a non-threatening laboratory environment. In the first semester, there is a 3.0 hour lab associated with their Positioning 1 (RADT61A) and Positioning 2 (RADT61B) courses. This is designed to give all students the opportunity to practice and to make mistakes and to be guided by faculty and student proctors. The ratio is 1 instructor to 10 students. The instructor demonstrates the "positions of the day" and then allows the students time to practice it. With 180 minutes in lab, and 45 minutes taken by demonstration, that leaves 135 minutes for 10 students to learn the skill well enough to perform it at their hospital site. 13.5 minutes is not adequate per student to obtain enough familiarity for each of the 58 positions taught in the fall and 63 positions in the spring semester. Additionally, in the fall, the students need to learn how to manipulate the equipment. I am requesting an additional instructor to participate in these labs which effectively takes the instructor to student ratio from 1:10 down to 1:5, increase the hands on time with the students working in a more manageable and smaller group. The added benefit with the installation of the new DR x-ray room is the ability of students to make actual exposures under direct supervision thereby observing the effects of positioning and technique changes. Faculty load for this position calculated at the credit lab 4.7059 rate for a one (1) credit course in each of the fall and spring semesters = 4.7059 for fall and 4.7059 in the spring. The instructor of record can serve as the other lab instructor.

2.4b Rationale for Instructional and Non-Instructional Equipment, Technology, and Software

2018-2019 - Priorities in descending order

Priority Ranking1
An additional rolling lead shield for the second x-ray room. Rolling lead shilelds have become standard at our clinical affiliated sites.

Priority Ranking 2
IV training arms. Venipuncture is now a required skill to be taaught by radiologic technology programs. The IV arms that we all share in the health sciences are getting old, stiff, some leak and some have been penetrated so many times that the plastic skin is breaking down. 2 new arms for all of us to share are requested,.

Priority ranking 3
Radiologic technologists are required to place enema tips for the administration of barium sulfate contrast in lower GI exams. The enema administration models presently in the nursing skills lab are showing signs of age. A new one is requested.

Priority Ranking 4
One anthropomorphic full body phantom is requested to allow student the opportunity to make exposures on body parts and have the experience of observing first hand the effects of positioning changes and selection of technical factors.

2.4c Instructional Equipment Requests

Rank	Location	SP	M	Item Description	Qty	Cost Each	Total Cost	Requestor	Room/Space	Contact
0001	Santa Rosa	02	01	rolling lead shield	1	$500.00	$500.00	Rich Lehrer	4047	Rich Lehrer
0002	Santa Rosa	01	01	enema administration simulator	1	$625.00	$625.00	Rich Lehrer	4046	Rich Lehrer
0003	Santa Rosa	01	01	IV training arms	2	$715.00	$1,430.00	Rich Lehrer	4046	Rich Lehrer
0004	Santa Rosa	02	01	anthropomorphic full body phantom	1	$5,000.00	$5,000.00	Rich Lehrer	4074	Rich Lehrer

2.4d Non-Instructional Equipment and Technology Requests

Rank	Location	SP	M	Item Description	Qty	Cost Each	Total Cost	Requestor	Room/Space	Contact

2.5a Minor Facilities Requests

Rank	Location	SP	M	Time Frame	Building	Room Number	Est. Cost	Description
0001	Santa Rosa	04	01	1 Year	Race	4047	$0.00	With the installation of a new digital x-ray room, some vendors have advised me that at the point where the old equipment is removed, it is likely that I may have to repair the floor by leveling with cement then replacing floor tiles.

2.5b Analysis of Existing Facilities

In an effort to utilize existing space efficently, Radiologic Technology has taken over rooms 4046, 4047 and 4049 in the Race Building. Although we are the only ones currently using it, we are open to other groups having access to these rooms as well. Please coordinate with the program director.

3.1 Develop Financial Resources

Radiologic Technology has actively applied for funding through CTE for various accessories and to update computer based learning software. Rad ech has also written a grant proposal through Strong Workforce Program to fund the installation of a new x-ray room in Race 4047.

3.2 Serve our Diverse Communities

The faculty represents a great deal of diversity that reflects the college community of interest. Faculty have experience in the majority of the medical imaging disciplines; CT, MRI, radiation therapy, diagnostic imaging, mammography and fluoroscopy. Additionally, we have faculty who have experience supervising employees in these areas. Presently, we do not have faculty versed in sonography nor nuclear medicine. Faculty with experience in these areas would be a welcome resource. The program continues to try to locate and recruit current graduates or others who might be interested in teaching.

HR tells us that currently (Spring 2018) there are no pending applicants seeking a faculty position in radiologic technolgy.

3.3 Cultivate a Healthy Organization

The FT faculty of the program is doing his best to support, coach, and encourage faculty members to participate in professional development activities. The program director periodically disseminates educational and professional conference announcements to faculty.

3.4 Safety and Emergency Preparedness

Mary Kennedy, Shelly Masini and Rich Lehrer are identified as building safety coordinators. The radiologic technology classes participate in the annual October Safety drill.

3.5 Establish a Culture of Sustainability

The primary faculty communication tool between faculty and students has become e-mail.

Spring 2018 - Student records are scanned and electronically archived rather than copying paper documents to be archived. Additionally PowerPoint presentations can be electronically sent to students eliminating the necessity of print copies. The use of laptop and tablet computers in our classroom courses is advocated. Finally, most faculty use SRJC computer based LMS Canvas for testing and grading archives. The program director is not aware of any radiologic technology facuklty members using paper based scantron testing for the current semester.

4.1a Course Student Learning Outcomes Assessment

All Rad Tech courses have been updated and approved by the Curriculum Review Committe within the past 6 years as per policy. These revisions are triggered by the accrediting agency and the State of California Public Health Department and reflect current trends in our industry.

1. Adapt and use this template for department tracking of SLO assessment and augmenting the SLO Assessment section of the PRPP.
2. Indicate which SLOs were assessed ("all," "#1,3,4," etc.)
3. Add columns with department-specific information if needed (method of assessment, comments on results, etc.)
4. If participating faculty have not yet been identified for an SLO assessment, write "TBA" and enter names later.
5. For "Year of Next Assessment," keep in mind that the required cycle of formal assessment is every 6 years, but some courses may require more immediate follow-up or more frequent assessment based on the results.

Course	SLO #s	Participating Faculty	Semester Initiated or to Be Initiated	Semester Completed	Comments	Year of Next Assessment

RT 60	1 & 3	Lehrer, Robertson	F 2013	F 2013		2019
RT 61A	all	Lehrer	F 2013	F 2013		2019
RT 61B	1 & 4	Robertson	S 2014	S 2014		2020
RT 61C	1 & 4	Lehrer	X 2014	X 2014		2020
RT 63A	2 & 3	Diehl	S 2014	S 2014	Change SLO 1 to eliminate film based model	2020
RT 63B	all	Diehl	F 2012	F 2012		2018
RT 64	all	Patterson	F 2013	F 2013		2019
RT 64L	All	Patterson	F 2013	F 2013		2019
RT 65	1, 2, 3	Patterson, Lehrer	S 2013	S 2013		2019
RT 66	3 & 4	Lehrer	S 2013	S 2013	COR changed starting F 2016 to 3.5 hr. lecture and 1.5 hour lab.	2019
RT 68	1 & 2	Lehrer	X 2013	X 2013	Nat. Board Certifying exam pass rate for 2015 = 87.5%. Continue to monitor for one more year.	2019
RT 61.1 AL	1	Lehrer	F 2013	F 2013	New clinical courses starting F 2016 71 (A-F)	2019
RT 61 BL	1, 2, 3	Lehrer	S 2014	S 2014		
RT 61 CL	1, 2, 3	Lehrer	X 2014	X 2014		2020
RT 62 AL	1, 2, 3	Lehrer	F 2012	F 2012		2018
RT 62 BL	1, 2, 3	Lehrer	S 2013	S 2013		2019
RT 62 CL	1 & 2	Lehrer	X 2013	X 2013	Will start to track clinical evaluation for student organization X 2015	2015
RT 98	all	Patterson, Lehrer	F 2014	F 2014		2019
RT 100	all	McLarty	S 2013	S 2013		2019
RADT 102		Patterson	F 2016		New F 2016	
RADT 102L		Patterson	F 2016		New F 2016	

4.1b Program Student Learning Outcomes Assessment

Our students are learning didactically and clinically. Didactically, students are mostly served with all available modes of learning (sensory, lecture sessions, lab activities, and library like learning environment). Clinically, our students are gaining their hands-on experience at the local hospitals and clinics. Every semester, student learning outcomes are assessed with evaluation tools made available to health care providers in the community.

In addition, the program is under a constant assessment plan that evaluates whether the program is efficient in its teaching by assessing the outcomes of its students. This activity is completed by the employers and other members of the community of interest. Indeed, the results of this assessment plan helps identify areas of improvement. As the program has recently changed program directors, a decision was made not to change any benchmarks until at least one class matriculated through graduation (X2015), and review the statistics at that time. The program director supports this conservative approach.

As of summer 2015, statistics indicated possible opportunities for improvement. The program director and faculty agreed to review the data in light of the graduation class of 2016 compared to the 2015 data, and then act as appropriate.

4.1c Student Learning Outcomes Reporting

Type	Name	Student Assessment Implemented	Assessment Results Analyzed	Change Implemented
Course	Rad T 100	Spring 2013	Spring 2013	N/A
Course	Rad T 60	Fall 2013	Fall 2013	N/A
Course	Rad T 61.1 AL	Fall 2013	Fall 2013	N/A
Course	Rad T 61A	Fall 2013	Fall 2013	N/A
Course	Rad T 61B	Spring 2014	Spring 2014	N/A
Course	Rad T 61BL	Spring 2014	Spring 2014	N/A
Course	Rad T 61C	Summer 2014	Summer 2014	N/A
Course	Rad T 61CL	Summer 2014	Summer 2014	N/A
Course	Rad T 62AL	Fall 2012	Fall 2012	N/A
Course	Rad T 62BL	Spring 2013	Spring 2013	N/A
Course	Rad T 62CL	Summer 2013	Summer 2013	Summer 2015
Course	Rad T 63A	Spring 2014	Spring 2014	Spring 2015
Course	Rad T 63B	Fall 2012	Fall 2012	N/A
Course	Rad T 64	Fall 2013	Fall 2013	N/A
Course	Rad T 64L	Fall 2013	Fall 2013	N/A
Course	Rad T 65	Spring 2013	Spring 2013	N/A
Course	Rad T 66	Spring 2013	Spring 2013	N/A
Course	Rad T 68	Summer 2013	Summer 2013	N/A
Certificate/Major	Radiologic Technology	Summer 2014	Summer 2014	N/A

4.2a Key Courses or Services that address Institutional Outcomes

Course/Service	1a	1b	1c	2a	2b	2c	2d	3a	3b	4a	4b	5	6a	6b	6c	7
All clinical RADT courses	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

4.2b Narrative (Optional)

The performance of radiographic procedures requires the synthesis of the district institutional learning outcomes. In response to the college mandate for reviewing and reporting SLO's, Radiologic Technology is completely compliant with all courses as of this date. Additionally the certificate/major assessment was also filed in 2014.

5.0 Performance Measures

The program has NOT met all benchmarks of its most recent asessment plan, and this is arttributed to both the transition from the previous to the present program director, as well as only having one cohort for the past 2 years. This assessment is conducted on an annual basis. The assessment to be completed and evaluated in the Summer of 2015 for the 2014-2015 academic year should be representative of the present status of our program under the leadership of the current program director.

Attached below.

Santa Rosa Junior College Radiologic Technology Assessment Plan
Student Learning Outcomes
2014-2015

Program Goal 1: Students will be **clinically competent**.

OUTCOME 1.1	Measurement Tool	Student Benchmark	Assessment Frequency	
Students will perform positioning skills with accuracy	Area E of the clinical evaluation form	Students will receive an average ≥ **8.5** on the scale of 7.5 to 10.	- End of the 3rd semester - End of the 6th semester	- i s

Outcome 1.1	***Results***	***Comments/Action Plan***
Area E	*9.41 average overall 2014* ***9.56 overall average 2015 (Both cohorts)***	*Benchmark met* *Continue to monitor as current progresses.*

OUTCOME 1.2	**Measurement Tool 1**	**Student Benchmark**	**Assessment Frequency**
Students will utilize skills in radiation protection	Area H of the clinical evaluation form	Students will receive an average ≥ **8.5** on the scale of 7.5 to 10.	- End of the 3rd semester - End of the 6th semester

Outcome 1.2 - Tool 1	***Results***	***Comments/Action Plan***
Area H	*9.84 average overall 2014* ***9.97 overall average 2015 (Both cohorts)***	*Benchmark met* *Continue to monitor as current progresses.*

OUTCOME 1.2	**Measurement Tool 2**	**Student Benchmark**	**Assessment Frequency**
Students will utilize skills in radiation protection	Practical final evaluation form	85% of students will receive a 2 score on the scale of 0 to 4 scale.	End of the 3rd semester

Outcome 1.2 – Tool 2	***Results***	***Comments/Action Plan***
RADT 61C	*94.1% of students scored 2 or higher 2014* ***97.1% of students scored 2 or higher 2015***	*Benchmark met* *Continue to monitor as current 2nd progresses.*

OUTCOME 1.3	Measurement Tool	Student Benchmark	Assessment Frequency	
Students will demonstrate proper equipment handling	Area D of the clinical evaluation form	Students will receive an average ≥ **8.5** on the scale of 7.5 to 10.	- End of the 3rd semester - End of the 6th semester	- Cl and

Outcome 1.3	***Results***	***Comments/A***
Area D	*9.63 average overall 2014* ***9.70 average overall 2015 (Both cohorts)***	*Benchmark met* *Continue to monitor as c*

Program Goal 2: Students will demonstrate **critical thinking and adaptability**.

OUTCOME	Measurement Tool	Student Benchmark	Frequency	
2.1: Students will utilize critical thinking in recognizing image quality	Area F of the clinical evaluation form.	Students will receive an average ≥ 8.5 **on** the scale of 7.5 to 10.	- End of 3rd semester - End of the 6th semester	-
2.1: Students will utilize critical thinking in recognizing image quality	Radiation Physics lab final exam	An average rating of **85%** in all students' evaluations.	- End of the 2nd semester	

-

Outcome 2.1- Tool 1	***Results***	***Comments/A***
Area F	*9.46 average overall 2014* ***9.55 average overall 2015 (Both cohorts)***	*Benchmark met* *Continue to monitor as cu*
Outcome 2.1- Tool 2	***Results***	***Comments/A***
RADT 63A section 5815	*90% overall – Spring 2014 16 students 16 students 5/30/2014*	*Benchmark met* *Continue to monitor as cu*

OUTCOME 2.2	Measurement Tool	Student Benchmark	Assessment Frequency	
2.2: Students will adapt to non-routine patients.	Area I of the clinical evaluation form.	Students will receive an average ≥ 8.5 on the scale of 7.5 to 10.	- End of the 3rd semester - End of the 6th semester	- Cl and

Outcome 2.2	***Results***	***Comments/A***
Area I	*9.69 average overall 2014* ***9.67 average overall 2015 (Both cohorts)***	*Benchmark met* *Continue to monitor as cur* *Faculty is reluctant to mak* *until at least one class mat* *the new program directors*

Program Goal 3: Students will **communicate effectively**.

OUTCOME	Measurement Tool	Student Benchmark	Frequency	
- 3.1: Students will demonstrate good communication in the clinical environment.	Area B of the clinical evaluation form.	-Students will receive an average ≥ 8.5 on the scale of 7.5 to 10.	- End of 3rd semester - End of the 6th semester	- Cli

Outcome 3.1	***Results***	***Comments/Action Plan***
Area B	*9.72 average overall 2014* ***9.79 average overall 2015 (Both cohorts)***	*Benchmark met* *Continue to monitor as current 2nd year cl*

OUTCOME	Measurement Tool	Student Benchmark	Frequency	Respor
- 3.2: Students will demonstrate good **oral** communication.	Oral communication grading of the classes' projects	- Students will receive an average ≥ **8.5** on the scale of 7.5 to 10.	- End of 4th semester	- RT 63B instr
Outcome 3.2				
Oral 63A ALARA project	97.5% class average Fall 2014		***Benchmark met***	

OUTCOME	Measurement Tool	Student Benchmark	Frequency	
- 3.3: Students will demonstrate good **written** communication.	Written communication grading of the classes' projects	An average rating of **85%** in all students' evaluations.	- End of the 5th semester	- F

Outcome 3.3	***Results***	***Comments/***
RADT 65 written project	88.9% class average Spring 2015	***Ben***

Program Goal 4: Students will exhibit **professionalism and ethics.**

OUTCOME	Measurement Tool	Student Benchmark	Frequency	Respor
- 4.1: Students will demonstrate professionalism **& ethical decision making.**	Area C of the clinical evaluation form.	-Students will receive an average ≥ **8.5** on the scale of 7.5 to 10.	- End of 3rd semester - End of the 6th semester	- Clinical instr

Outcome 4.1	***Results***	***Comments/A***

Area C	*9.78 average overall 2014* ***9.83 average overall 2015 (Both cohorts)***	*Benchmark met* *Continue to monitor as cur*

OUTCOME	Measurement Tools	Student Benchmark	Frequency	Res
- 4.2: Students will demonstrate understanding of ethical decision making.	- RADT 60 = Ethics Test	- An average rating of **85%** in all students' evaluations on the Ethics exam of RADT 60.	- Annually	- RT 60 ins

Outcome 4.2	***Results***	***Comments/A***
RADT 60	*100% of students achieved 85% or higher*	*Benchmark met* *Continue to monitor as cur*

Santa Rosa Junior College Radiologic Technology Assessment Plan
Program Effectiveness Measures
2014 – 2015

Program Goal: To maintain the program effectiveness by reaching benchmarks set in these areas: completion and pass rates, employment rates, and employer satisfaction.

OUTCOME	Measurement Tool	Program Benchmark	Frequency	Respo
1: Consistent and acceptable completion rate.	Completion rate results	The program will graduate at least 80% of its students.	Annually at graduation	Program

Outcome 1	Results	Comments/Act
Class of 2013-2015	*16 of 20 (80%) completed the program*	***Benchmark***

OUTCOME	Measurement Tool	Program Benchmark	Frequency	Resp
2: Graduates will pass the credentialing exam.	ARRT exam results	85% of program graduates will pass on the first attempt.	Annually	Progra

Outcome 2	Results	Comments/Act
Class of 2013 - 2015	*14 of 16 passed on first attempt = 87.5%*	***Benchmark***

OUTCOME	Measurement Tool	Program Benchmark	Frequency	Resp
3: Graduates will pass credentialing exam at or above national average.	ARRT exam scores	ARRT exam score will be 2 points above the national average.	Annually	Progra

Outcome 3	Results	Co
Class of 2013-2015	***Data is pending***	

OUTCOME	Measurement Tool	Program Benchmark	Frequency	Res
4: Graduates will become employed within 12 months of after graduation (5-year average).	Graduate survey results	Of those seeking employment, 75% of program graduates will become employed within 12 months after graduation.	Annually for 5 years	Progra Bench effect 12 mo

Outcome 4	Results	Commer
12 month employment	*Preliminary results = 11/14 = 79%*	***Data a***

OUTCOME	Measurement Tool	Program Benchmark	Frequency	Resp
5: Graduates will be satisfied with their education.	Graduate Survey	85% of graduates will be satisfied with their education	Annually 6 months post-graduation survey	Prograr

Outcome 5	Results	Comments/Action Pl
2015 graduate satisfaction		***Pending December 2***

OUTCOME	Measurement Tool	Program Benchmark	Frequency	Res

6: Employers will be satisfied with their employees education.	Employer survey	85% of employers will be satisfied with graduate employees education	Annually 6 months post-graduation survey	Progra

Outcome 6	Results	Comments/Action Pl
2015 employer survey		***Pending December 20***

5.1 Effective Class Schedule: Course Offerings, Times, Locations, and Delivery Modes (annual)

The program is effective in its course offerings in terms of location and times. The program director has modified the schedule to regiment the first year and second year students to specific days on campus, and in clinical so that they do not compete with one another. This has also required modifying the timeframe when classes are scheduled with a goal of offering classes in the Race Building. Our program has now re-written COR for the clinical courses effective F 2016.

5.2a Enrollment Efficiency

Radiologic Technology - FY 2014-15 (plus current FY Summer and Fall)

5.1 Student Headcounts The number of students enrolled in each Discipline at first census (duplicated headcount).

Santa Rosa Campus

Discipline	X2012	F2012	S2013	X2013	F2013	S2014	X2014	F2014	S2015
Radiologic Technology	36	28	92	21	139	85	65	164	1

Petaluma Campus (Includes Rohnert Park and Sonoma)

Discipline	X2012	F2012	S2013	X2013	F2013	S2014	X2014	F2014	S2015
Radiologic Technology	0	0	0	0	0	0	0	0	

Other Locations (Includes the PSTC, Windsor, and other locations)

Discipline	X2012	F2012	S2013	X2013	F2013	S2014	X2014	F2014	S2015

Radiologic Technology	34	16	15	14	25	18	16	35	

ALL Locations (Combined totals from ALL locations in the District)

Discipline	X2012	F2012	S2013	X2013	F2013	S2014	X2014	F2014	S2015
Radiologic Technology	70	44	107	35	164	103	81	199	1

5.2a Enrollment Efficiency The percentage of seats filled in each Discipline at first census based on class limit (not room size).

Santa Rosa Campus

Discipline	X2012	F2012	S2013	X2013	F2013	S2014	X2014	F2014	S2015
Radiologic Technology	87.2%	94.1%	105.2%	100.0%	111.2%	81.0%	95.6%	105.5%	93.

Petaluma Campus (Includes Rohnert Park and Sonoma)

Discipline	X2012	F2012	S2013	X2013	F2013	S2014	X2014	F2014	S2015
Radiologic Technology	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.

Other Locations (Includes the PSTC, Windsor, and other locations)

Discipline	X2012	F2012	S2013	X2013	F2013	S2014	X2014	F2014	S2015
Radiologic Technology	87.2%	94.1%	93.8%	87.5%	30.1%	45.0%	100.0%	90.0%	85.

ALL Locations (Combined totals from ALL locations in the District)

Discipline	X2012	F2012	S2013	X2013	F2013	S2014	X2014	F2014	S2015
Radiologic Technology	87.2%	94.1%	103.2%	93.8%	78.8%	71.0%	96.4%	102.2%	91.

5.2b Average Class Size

The program's class size is limited to no more than 20. 20 students did start at the beginning of both academic years 2013-2014, and 2014-2015

Radiologic Technology - FY 2014-15 (plus current FY Summer and Fall)

5.2b Average Class Size The average class size in each Discipline at first census (excludes cancelled classes).

Santa Rosa Campus

Discipline	X2012	F2012	S2013	X2013	F2013	S2014	X2014	F2014	S2015
Radiologic Technology	17.0	16.0	27.0	16.0	23.2	21.3	21.7	21.9	1

Petaluma Campus (Includes Rohnert Park and Sonoma)

Discipline	X2012	F2012	S2013	X2013	F2013	S2014	X2014	F2014	S2015
Radiologic Technology	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

Other Locations (Includes the PSTC, Windsor, and other locations)

Discipline	X2012	F2012	S2013	X2013	F2013	S2014	X2014	F2014	S2015
Radiologic Technology	17.0	16.0	15.0	14.0	6.3	9.0	16.0	18.0	1

ALL Locations (Combined totals from ALL locations in the District)

Discipline	X2012	F2012	S2013	X2013	F2013	S2014	X2014	F2014	S2015

Radiologic Technology	17.0	16.0	24.0	15.0	16.4	17.2	20.3	21.0	1

5.3 Instructional Productivity

Radiologic Technology - FY 2014-15 (plus current FY Summer and Fall)

5.3 Instructional Productivity The ratio of Full-Time Equivalent Students (FTES) to Full-Time Equivalent Faculty (FTEF) in each Discipline at first census.

Santa Rosa Campus

Radiologic Technology		X2012	F2012	S2013	X2013	F2013	S2014	X2014	F2014	S2015
	FTES	1.30	3.17	7.92	0.43	14.60	9.29	4.41	17.61	13.6
	FTEF	0.61	0.31	0.87	0.33	1.35	0.81	0.16	1.63	1.2
	Ratio	**2.14**	**10.20**	**9.14**	**1.31**	**10.83**	**11.52**	**27.99**	**10.83**	**10.5**

Petaluma Campus (Includes Rohnert Park and Sonoma)

Radiologic Technology		X2012	F2012	S2013	X2013	F2013	S2014	X2014	F2014	S2015
	FTES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
	FTEF	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
	Ratio	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.0**

Other Locations (Includes the PSTC, Windsor, and other locations)

Radiologic Technology		X2012	F2012	S2013	X2013	F2013	S2014	X2014	F2014	S2015
	FTES	14.05	16.00	13.50	5.71	8.50	9.00	4.22	18.50	22.7
	FTEF	1.07	0.98	1.20	0.65	0.82	0.82	0.69	1.40	1.2
	Ratio	**13.07**	**16.36**	**11.25**	**8.79**	**10.34**	**10.95**	**6.11**	**13.22**	**17.9**

ALL Locations (Combined totals from ALL locations in the District)

Radiologic Technology		X2012	F2012	S2013	X2013	F2013	S2014	X2014	F2014	S2015
	FTES	15.35	19.17	21.42	6.14	23.10	18.29	8.63	36.11	36.3
	FTEF	1.68	1.29	2.07	0.98	2.17	1.63	0.85	3.03	2.5
	Ratio	**9.13**	**14.88**	**10.36**	**6.28**	**10.64**	**11.23**	**10.18**	**11.93**	**14.1**

5.4 Curriculum Currency

Periodic revision and update of radiologic technology coursework has occurred most recently in the fall of 2014. All rad tech courses are within their approved limits of periodic review.

5.5 Successful Program Completion

The program's successful course completion is at 95%.

Radiologic Technology - FY 2014-15 (plus current FY Summer and Fall)

5.6b Successful Course Completion The percentage of students receiving a grade of A,B,C, or CR in each Discipline (duplicated headcount).

Santa Rosa Campus

Discipline	X2012	F2012	S2013	X2013	F2013	S2014	X2014	F2014	S2015
Radiologic Technology	94.4%	89.3%	94.6%	95.0%	86.3%	90.5%	83.3%	86.0%	93.

Petaluma Campus (Includes Rohnert Park and Sonoma)

Discipline	X2012	F2012	S2013	X2013	F2013	S2014	X2014	F2014	S2015
Radiologic Technology	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.

Other Locations (Includes the PSTC, Windsor, and other locations)

Discipline	X2012	F2012	S2013	X2013	F2013	S2014	X2014	F2014	S2015
Radiologic Technology	97.1%	93.8%	87.5%	92.9%	92.0%	88.9%	100.0%	97.2%	100.

ALL Locations (Combined totals from ALL locations in the District)

Discipline	X2012	F2012	S2013	X2013	F2013	S2014	X2014	F2014	S2015
Radiologic Technology	95.7%	90.9%	93.5%	94.1%	87.2%	90.2%	86.6%	88.0%	94.

5.6 Student Success

In 2015, 100% of students graduated and 87.5% (14/16) passed the national board certifying exam. 5 year average = 97.5%

Radiologic Technology - FY 2014-15 (plus current FY Summer and Fall)

5.6a Retention The percentage of students receiving a grade of A,B,C,D,CR, or I in each Discipline (duplicated headcount).

Santa Rosa Campus

Discipline	X2012	F2012	S2013	X2013	F2013	S2014	X2014	F2014	S2015
Radiologic Technology	97.2%	96.4%	96.7%	95.0%	89.9%	92.9%	86.4%	87.8%	95.

Petaluma Campus (Includes Rohnert Park and Sonoma)

Discipline	X2012	F2012	S2013	X2013	F2013	S2014	X2014	F2014	S2015
Radiologic Technology	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.

Other Locations (Includes the PSTC, Windsor, and other locations)

Discipline	X2012	F2012	S2013	X2013	F2013	S2014	X2014	F2014	S2015
Radiologic Technology	100.0%	100.0%	87.5%	92.9%	92.0%	88.9%	100.0%	97.2%	100.

ALL Locations (Combined totals from ALL locations in the District)

Discipline	X2012	F2012	S2013	X2013	F2013	S2014	X2014	F2014	S2015
Radiologic Technology	98.6%	97.7%	95.4%	94.1%	90.2%	92.2%	89.0%	89.5%	96.

5.6c Grade Point Average The average GPA in each Discipline (UnitsTotal / GradePoints).

Santa Rosa Campus

Discipline	X2012	F2012	S2013	X2013	F2013	S2014	X2014	F2014	S2015
Radiologic Technology	2.89	3.46	2.91	2.82	2.87	2.84	2.73	3.16	3.

Petaluma Campus (Includes Rohnert Park and Sonoma)

Discipline	X2012	F2012	S2013	X2013	F2013	S2014	X2014	F2014	S2015
Radiologic Technology	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.

Other Locations (Includes the PSTC, Windsor, and other locations)

Discipline	X2012	F2012	S2013	X2013	F2013	S2014	X2014	F2014	S2015
Radiologic Technology	3.75	3.50	3.33	3.64	3.81	3.22	3.88	3.76	3.

ALL Locations (Combined totals from ALL locations in the District)

Discipline	X2012	F2012	S2013	X2013	F2013	S2014	X2014	F2014	S2015
Radiologic Technology	3.51	3.49	3.08	3.30	3.05	2.96	3.26	3.37	3.

5.7 Student Access

Students are accepted to the program on a lottery system. Thus, all accepted students have equal access to the instruction offered.

Radiologic Technology - FY 2014-15 (plus current FY Summer and Fall)

5.7a Students Served - by Ethnicity The number of students in each Discipline at first census broken down by ethnicity (duplicated headcount).

ALL Locations (Combined totals from ALL locations in the District)

Radiologic Technology	Ethnicity	2012-13	Percent	2013-14	Percent	2014-15	Percent	2
	White	145	67.1%	175	61.8%	230	56.2%	
	Asian	5	2.3%	18	6.4%	32	7.8%	
	Black	10	4.6%	14	4.9%	12	2.9%	
	Hispanic	20	9.3%	65	23.0%	118	28.9%	
	Native American	0	0.0%	0	0.0%	1	0.2%	
	Pacific Islander	0	0.0%	0	0.0%	0	0.0%	
	Filipino	2	0.9%	1	0.4%	2	0.5%	
	Other Non-White	0	0.0%	2	0.7%	14	3.4%	
	Decline to state	34	15.7%	8	2.8%	0	0.0%	
	ALL Ethnicities	**216**	**100.0%**	**283**	**100.0%**	**409**	**100.0%**	

5.7b Students Served - by Gender The number of students in each Discipline at first census broken down by gender (duplicated headcount).

ALL Locations (Combined totals from ALL locations in the District)

Radiologic Technology	Gender	2012-13	Percent	2013-14	Percent	2014-15	Percent	2
	Male	96	44.4%	118	41.7%	140	34.2%	
	Female	120	55.6%	163	57.6%	269	65.8%	
	Unknown	0	0.0%	2	0.7%	0	0.0%	
	ALL Genders	**216**	**100.0%**	**283**	**100.0%**	**409**	**100.0%**	

5.7c Students Served - by Age The number of students in each Discipline at first census broken down by age (duplicated headcount).

ALL Locations (Combined totals from ALL locations in the District)

Radiologic Technology	Age Range	2012-13	Percent	2013-14	Percent	2014-15	Percent	2
	0 thru 18	1	0.5%	3	1.1%	4	1.0%	
	19 and 20	8	3.7%	24	8.5%	28	6.8%	
	21 thru 25	51	23.6%	67	23.7%	161	39.4%	
	26 thru 30	38	17.6%	56	19.8%	70	17.1%	
	31 thru 35	32	14.8%	46	16.3%	72	17.6%	
	36 thru 40	13	6.0%	22	7.8%	25	6.1%	
	41 thru 45	23	10.6%	16	5.7%	14	3.4%	
	46 thru 50	21	9.7%	15	5.3%	23	5.6%	
	51 thru 60	28	13.0%	28	9.9%	11	2.7%	
	61 plus	1	0.5%	6	2.1%	1	0.2%	
	ALL Ages	**216**	**100.0%**	**283**	**100.0%**	**409**	**100.0%**	

5.8 Curriculum Offered Within Reasonable Time Frame

The program curriculum and clincial instruction are offered during business hours. The clinical instruction portion adheres to strict student supervision under the State Law and JRCERT requirements.

5.9a Curriculum Responsiveness

The program curriculum reflects all current changes that are regulated by the State of California Minimum Standards in Radiologic Technology, as well as the curricular requirements of the American Registry and American Society of Radiologic Technologists.

5.9b Alignment with High Schools (Tech-Prep ONLY)

The program curriculum is not directly articulated with the local High Schools. The program director does offer outreach to HS classes who request a presentation on the profession of radiologic technology.

5.10 Alignment with Transfer Institutions (Transfer Majors ONLY)

The program prerequisites are articulated with ten other community colleges, eighteen independent colleges and universities and nineteen out of state colleges and universities. Addi=tionalkly, admissions and records can access any college data that any student may request.

5.11a Labor Market Demand (Occupational Programs ONLY)

The labor demand is slightly decreased, due to the economic downturn being experienced by the medical care industry. However, the Class 2009's employment rate is at 95%.

April 2013:
The labor market has rebounded a bit since 2009, but employment rates for our graduates in 2011 and 2012 are a ~80% with most reporting positions other than full time.

February 2014:
Of those graduates responding 69% have found employment as a radiologic technologist with most reporting positions other than full time.

April 2015:
The next meaningful update on this is scheduled for summer 2016 to see the empoyment rates of the graduating class of 2015.

April 2016:
Unofficially 12 of 14 from last graduating class (86%) have found employment as a radiologic technologist.

5.11b Academic Standards

The JRCERT has visited our program for our periodic site visit and accreditation renewal. Their preliminary report indicated that we were substatinally compliant with standards of the JRCERT with 2 minor exceptions:

- That we did not have a formal process for sharing student feedback on the clinical site and the clinical instructor (hospital supervisor employee);
- That the JRCERT was not clearly identified as a last resort for grievence resolution.

We have addressed those shortcomings and have documented our resolution as of April 1, 2015. The JRCERT has awarded an eight (8) year accreditation effective December 2014. Interim report due 2018, nest periodic site visit fourth quarter 2022.

6.1 Progress and Accomplishments Since Last Program/Unit Review

Rank	Location	SP	M	Goal	Objective	Time Frame	Progress to Date
0000	Santa Rosa	01	01	Blackout shade in 4046	Has been installed and is a great improvement for projection of images and powerpoints.	completed	This has been a huge benefit
0000	Santa Rosa	02	01	Stryker gurney	Two refurbished gurnies have been obtained and can be used by all health science programs.	completed	Both gurnies have been delivered and are in the Race building.
0000	Santa Rosa	04	04	5 iPad 2's	Rad Tech has received 5 iPad computers for student and faculty use.	completed	These are very valuable to us.
0000	ALL	00	00	Mammography pathology trainer	Rad Tech has received a mammography trainer that has palpable lesions enbedded in a lifelike form.	completed	We are pleased to have received this with the start of our Mammography course.

6.2b PRPP Editor Feedback - Optional

4/10/18

This is Rich.

I have made our Dean aware that I will continue putting a request for a full time faculty clinical coordinator in our PRPP this year as I have for the past several. I do this to reinforce this need has continued for many years. Up to now we have been blessed with relatively compliant students legitimately concerned with taking our program seriously and becoming radiologic technologists. I am sure that the vast majority of our future students will be similarly disposed. My concern is that we will get someone in the program who does not have the high integrity to which our program has become accustomed, and who has their own agenda. My concern is that this student may be placed in a clinical site that has relatively lax supervision for students, and suddenly someone gets hurt. My feeling is that a full time clinical coordinator who has only this program as employment will better serve the needs of that student, our program and the clinical site, than will a part time or adjunct faculty clinical coordinator who is equally distracted with our program and his/her full time employment.

A job description for faculty clinical coordinators according to Standard 3.8, JRCERT is to provide:

Full-time Clinical Coordinator:

Correlates clinical education with didactic education,

Evaluates students,

Participates in didactic and/or clinical instruction,

Supports the program director to help assure effective program operation,

Coordinates clinical education and evaluates its effectiveness,

Participates in the assessment process,

Cooperates with the program director in periodic review and revision of clinical course materials,

Maintains current knowledge of the discipline and educational methodologies through continuing professional development, and

Maintains current knowledge of program policies, procedures, and student progress.

6.3a Annual Unit Plan

Rank	Location	SP	M	Goal	Objective	Time Frame	Resources Required
0001	Santa Rosa	01	01	New DR X-ray room	We have proposed a grant through the Strong Workforce Program to obtain a new x-ray room replacement for the existing one nearly 40 years old.	2018-2019	Our grant proposal has been reviewed favorably for up to $200,000.
0002	Santa Rosa	01	05	Additional clinical site affiliations	Enough clinical affiliated sites to place students	2016 and beyond	A full time positioin in concert with additional clinical student placement sites would allow growth of our program.