

# Santa Rosa Junior College

## Program Resource Planning Process

### Radiologic Technology 2016

#### 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 to 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 Strategic plan listed below, the radiologic technology program embraces all, but is particularly invested in bulleted 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 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 0730 and as late as 1800 Mondays through Fridays.

The Joint Review Committee in Education 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 experience 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 graduating class in 2014.

Statistics regarding the graduates of 2015 will be available in summer 2016. Preliminary statistics January 2016 indicate that 13 actively sought employment as a radiologic technologist, and of those 11 have been successful indicating 85% employment rate. Final data will be posted in Summer 2016.

## 2.1a Budget Needs

### **2015:**

**With the upgrade of computers in the HLRC, many of the resources that were installed are no longer available. We need to be on the lookout for relevant computer based resources in the field of radiology, radiographic physics, ultrasound and quality control. This is a low**

priority, but necessary to offer students a fundamental background in the correlation of imaging.

2016:

Faculty are required to visit students at their hospital clinical sites as a part of our accreditation. Based on 1700 faculty miles per semester to accomplish this over all 3 semesters and for all students in both classes, we request faculty mileage to be reimbursed at the standard IRS rate of \$0.54 per mile

## Radiologic Technology - FY 2014-15

### 2.1 Fiscal Year Expenditures

#### Santa Rosa Campus

Expenditure Category	Unrestricted Funds	Change from 2013-14	Restricted Funds	Change from 2013-14	Total	Change from 2013-14
Faculty payroll	\$76,325.00	5.58%	\$0.00	0.00%	\$76,325.00	5.58%
Adjunct payroll	\$133,482.63	47.19%	\$0.00	0.00%	\$133,482.63	47.19%
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)	\$47,466.36	17.33%	\$0.00	0.00%	\$47,466.36	17.33%
Supplies (4000's)	\$1,677.35	-7.43%	\$0.00	0.00%	\$1,677.35	-7.43%
Services (5000's)	\$2,958.92	41.42%	\$0.00	0.00%	\$2,958.92	41.42%
Equipment (6000's)	\$0.00	0.00%	\$19,402.16	>1000%	\$19,402.16	>1000%
<b>Total Expenditures</b>	<b>\$261,910.26</b>	<b>26.32%</b>	<b>\$19,402.16</b>	<b>&gt;1000%</b>	<b>\$281,312.42</b>	<b>34.67%</b>

#### Petaluma Campus (Includes Rohnert Park and Sonoma)

Expenditure Category	Unrestricted Funds	Change from 2013-14	Restricted Funds	Change from 2013-14	Total	Change from 2013-14
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%
<b>Total Expenditures</b>	<b>\$0.00</b>	<b>0.00%</b>	<b>\$0.00</b>	<b>0.00%</b>	<b>\$0.00</b>	<b>0.00%</b>

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

Expenditure Category	Unrestricted Funds	Change from 2013-14	Restricted Funds	Change from 2013-14	Total	Change from 2013-14
Faculty payroll	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%
Adjunct payroll	\$1,697.45	0.00%	\$0.00	0.00%	\$1,697.45	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)	\$163.81	0.00%	\$0.00	0.00%	\$163.81	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%

<b>Total Expenditures</b>	<b>\$1,861.26</b>	<b>0.00%</b>	<b>\$0.00</b>	<b>0.00%</b>	<b>\$1,861.26</b>	<b>0.00%</b>
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### Expenditure Totals

<b>Expenditure Category</b>	<b>Amount</b>	<b>Change from 2013-14</b>	<b>District Total</b>	<b>% of District Total</b>
Total Expenditures	\$283,173.68	35.56%	\$128,841,425.03	0.22%
Total Faculty Payroll	\$211,505.08	29.78%	\$45,300,722.45	0.47%
Total Classified Payroll	\$0.00	0.00%	\$20,570,031.48	0.00%
Total Management Payroll	\$0.00	0.00%	\$9,160,327.09	0.00%
Total Salary/Benefits Costs	\$259,135.25	27.38%	\$95,455,294.26	0.27%
Total Non-Personnel Costs	\$24,038.43	340.08%	\$15,781,340.43	0.15%

## 2.1b Budget Requests

Rank	Location	SP	M	Amount	Brief Rationale
0001	Santa Rosa	04	01	\$750.00	Annual X-ray room annual radiation safety and performance check to be accomplished yearly per State of CA mandate.
0002	Santa Rosa	04	07	\$700.00	I am including an ongoing budget for a service contract to protect the investment of our new PACS installation in an effort to mitigate the problem that hastened it's replacement this past year.
0002	Santa Rosa	08	05	\$2,500.00	Faculty logged 1700 miles to participate in student site visits last semester. Based on the college compensation for mileage @ .54, I am requesting \$2500 to compensate for mileage. This is distributed per faculty documentation of their actual mileage
0003	Santa Rosa	03	05	\$800.00	Two additional clinical sites are required to ensure enough placements for student clinical education. We have lost one clinical site because of hospital closure and 2 others have lessened the number of students that they are willing to accept per semester.
0003	Santa Rosa	02	06	\$1,000.00	Discretionary finds to upgrade software and resources in the areas of radiographic physics, ultrasound and quality control.

## 2.2a Current Classified 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.

## 2.2d Adequacy and Effectiveness of Staffing

Our program ratio and statistics are low as compared to the district-wide range.

A f/t Clinical Coordinator is requested to accommodate the increase the size of the incoming class from 16 to 20 students. This is intensified by having the 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 Novato to Willits and east to Napa. Radiologic Technology has requested this position for the past 3 years.

## Radiologic Technology - FY 2014-15

### 2.2 Fiscal Year Employee Data and Calculations

## Employee Head Counts

Employee Category	Count	Change from 2013-14	District Total	% of District Total
Contract Faculty	1	0.00%	292	0.34%
Adjunct Faculty	6	-14.29%	1365	0.44%
Classified Staff	0	0.00%	517	0.00%
STNC Workers	0	0.00%	534	0.00%
Student Workers	0	0.00%	672	0.00%
Mgmt/Admin/Dept Chair	0	0.00%	159	0.00%

## Employee FTE Totals

FTE Category	FTE	Change from 2013-14	District Total	% of District Total
FTE-F - Faculty	4.2176	29.27%	717.5047	0.59%
FTE-CF - Contract Faculty	1.0000	0.00%	289.6222	0.35%
FTE-AF - Adjunct Faculty	3.2176	42.20%	427.8825	0.75%
FTE-C - Classified	0.0000	0.00%	425.5480	0.00%
FTE-ST - STNC	0.0000	0.00%	78.5376	0.00%
FTE-SS - Support Staff	0.0000	0.00%	683.7198	0.00%
FTE-SW - Student Workers	0.0000	0.00%	179.6342	0.00%
FTE-M - Management	0.0000	0.00%	123.2430	0.00%
FTE-DC - Department Chairs	0.0000	0.00%	50.0000	0.00%

## Student Data

Data Element	Value	Change from 2013-14	District Total	% of District Total
FTES-CR - Credit	81.0547	70.52%	15658.6492	0.52%
FTES-NC - Non-Credit	0.0000	0.00%	2061.0724	0.00%
FTES - combined	81.0547	70.52%	17719.7216	0.46%
Students Enrolled/Served	293	-32.33%	30000	0.98%

## Calculations

Data Element	Value	Change from 2013-14	District Total	% of District Total
FTE-S : FTE-F	19.2183	31.91%	24.6963	77.82%
FTE-AF : FTE-CF	3.2176	42.20%	1.4774	217.79%
FTE-F : FTE-SS	0.0000	0.00%	1.0494	0.00%
FTE-F : FTE-M	0.0000	0.00%	5.8219	0.00%
FTE-SS : FTE-M	0.0000	0.00%	5.5477	0.00%
FTE-ST : FTE-C	0.0000	0.00%	0.1846	0.00%
Average Faculty Salary per FTE-F	\$50,148.51	0.39%	\$63,136.48	79.43%
Average Classified Salary per FTE-C	\$0.00	0.00%	\$48,337.75	0.00%
Average Management Salary per FTE-M	\$0.00	0.00%	\$74,327.36	0.00%
Salary/Benefit costs as a % of total budget	91.51%	-6.03%	74.09%	123.52%
Non-Personnel \$ as a % of total budget	8.49%	224.64%	12.25%	69.31%
Restricted Funds as a % of total budget	6.85%	818.65%	13.66%	50.14%
Total Unit Cost per FTE-F	\$67,141.36	4.87%	\$179,568.75	37.39%
Total Unit Cost per FTE-C	\$0.00	0.00%	\$302,765.90	0.00%
Total Unit Cost per FTE-M	\$0.00	0.00%	\$1,045,425.91	0.00%
Total Unit Cost per FTE-S	\$3,493.61	-20.50%	\$7,271.08	48.05%
Total Unit Cost per student served/enrolled	\$966.46	100.33%	\$4,294.71	22.50%

## 2.2e Classified, STNC, Management Staffing Requests

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

## 2.3a Current Contract Faculty Positions

<b>Position</b>	<b>Description</b>
FT faculty position	The current full time position has release time for program coordination.

### 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. That is four of we six.

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

While it is fairly difficult to recruit for PT teaching position, it will be very difficult to recruit master's degree prepared faculty in our discipline, particularly to replace the program director position.

With our program now at full capacity, additional clinical coordinator time or positions will become necessary. Although we have 5 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)

## Radiologic Technology - FY 2014-15

### 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
<b>Totals</b>			<b>0.00</b>	<b>1.0000</b>	<b>0.0000</b>

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

Name Last	First	Position	Hours	FTE
Alander	Tammy		290.50	0.3111
Diehl	Keith		182.00	0.6121
Garcia	Diane		137.50	0.3222
Lehrer	Richard		44.01	0.6185
Patterson	Bonnie		309.11	0.6591
Robertson	Joanne		565.00	0.6946
<b>Totals</b>			<b>1528.12</b>	<b>3.2176</b>



## 2.3e Faculty Staffing Requests

Rank	Location	SP	M	Discipline	SLO Assessment Rationale
0001	ALL	02	02	Clinical Coordinator - see 2.2d and 2.3d	<p>Radiologic technology has 40 students program wide in hospital and clinical assignments from Novato 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. Our accrediting agency requires that faculty periodically evaluate students in the clinical setting. The program director has functioned as an additional clinical coordinator although this practice violates our accreditation standards (Standard 2.2).</p> <p>Student Learning Outcomes:</p> <ol style="list-style-type: none"> <li>1. Operate radiographic imaging equipment and accessory devices.</li> <li>2. Position patients and modify standard procedures to accommodate for patient condition exposure factors.</li> <li>3. Perform radiographic examination and procedures with minimum radiation exposure for the patient, self, and others.</li> </ol>

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

### **Priority item 1.**

Room 4046 Race is being re-designed to accommodate a much needed xray positioning simulation tube/table. The installation of this equipment will necessitate the re-design of this already small space. Radiologic Technology requests the following equipment as a part of this upgrade:

- Accessories common in xray rooms to complement the new table. This includes positioning sponges, gonadal shielding and a foam pad for the table. Additionally, the table pad and some sponges that we have in the adjacent xray room need replacing.
- We are designing 4046 for small groups in a small space. We request tables and rolling chairs for 10 students.

### **Priority item 2.**

As we go forward, this space has been identified to teach the new elective mammography course as well as small group labs for various other health science programs. We request a standard computer with Internet (wireless?), and the customary college issued software for instructional use. Additionally we request a flat panel video or other type of monitor to be housed in an area up to eight feet wide. Request something large enough to be seen clearly from 15 feet back.

## 2.4c Instructional Equipment and Software Requests

Rank	Location	SP	M	Item Description	Qty	Cost Each	Total Cost	Requestor	Room/Space	Contact
0001	Santa Rosa	04	01	Desks and chairs for re-designed Race 4046	1	\$5,000.00	\$5,000.00	Rich Lehrer	4047	Rich Lehrer
0002	Santa Rosa	04	01	Flat Panel projection screen & computer Race 4046	1	\$5,000.00	\$5,000.00	Rich Lehrer	4074	Rich Lehrer
0003	Santa Rosa	04	01	Accessories for new simulation table Race 4046	1	\$1,500.00	\$1,500.00	Rich Lehrer	4047	Rich Lehrer

## 2.4d Non-Instructional Equipment, Software, and Technology Requests

Rank	Location	SP	M	Item Description	Qty	Cost Each	Total Cost	Requestor	Room/Space	Contact
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## 2.5a Minor Facilities Requests

Rank	Location	SP	M	Time Frame	Building	Room Number	Est. Cost	Description
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## 2.5b Analysis of Existing Facilities

The existing building is small for the needs of ALL the health sciences however, adjacency is very important for the programs.

## 3.1 Develop Financial Resources

Radiologic Technology has actively applied for funding through CTE for various accessories and to update computer based learning software.

## 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.

### 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, Linda Dunnivant and Rich Lehrer are identified as building safety coordinators.

The radiologic technology classes participated in a safety drill in the spring of 2014 and 2015 on exiting the building in case of a disaster. In the spring of 2016, a faulty alarm caused evacuation of the Race building, and the students in all classes on all 3 floors responded efficiently and without panic.

### 3.5 Establish a Culture of Sustainability

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

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 CATE and Moodle for testing and grading archives. We are aware that Canvas is the identified learning management software and we are in the process of migrating our courses over to Canvas.

### 4.1a Course Student Learning Outcomes Assessment

All Rad Tech courses have been updated and approved by the Curriculum Review Committee 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 assessment plan, and this is attributed 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**.

<b>OUTCOME 1.1</b>	<b>Measurement Tool</b>	<b>Student Benchmark</b>	<b>Assessment Frequency</b>	<b>Responsible Authors</b>
Students will perform positioning skills with accuracy	Area E of the clinical evaluation form	Students will receive an average $\geq 8.5$ on the scale of 7.5 to 10.	- End of the 3 <sup>rd</sup> semester - End of the 6 <sup>th</sup> semester	- Clinical instructors and staff
<b>Outcome 1.1</b>	<b>Results</b>		<b>Comments/Action Plan</b>	
<i>Area E</i>	<i>9.41 average overall 2014 9.56 overall average 2015 (Both cohorts)</i>		<i>Benchmark met Continue to monitor as current 2<sup>nd</sup> year class progresses.</i>	

<b>OUTCOME 1.2</b>	<b>Measurement Tool 1</b>	<b>Student Benchmark</b>	<b>Assessment Frequency</b>	<b>Responsible Authors</b>
Students will utilize skills in radiation protection	Area H of the clinical evaluation form	Students will receive an average $\geq 8.5$ on the scale of 7.5 to 10.	- End of the 3 <sup>rd</sup> semester - End of the 6 <sup>th</sup> semester	- Clinical instructors and staff
<b>Outcome 1.2 - Tool 1</b>	<b>Results</b>		<b>Comments/Action Plan</b>	
<i>Area H</i>	<i>9.84 average overall 2014 9.97 overall average 2015 (Both cohorts)</i>		<i>Benchmark met Continue to monitor as current 2<sup>nd</sup> year class progresses.</i>	

<b>OUTCOME 1.2</b>	<b>Measurement Tool 2</b>	<b>Student Benchmark</b>	<b>Assessment Frequency</b>	<b>Responsible Authors</b>
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 3 <sup>rd</sup> semester	RT 61 C instructors
<b>Outcome 1.2 – Tool 2</b>	<b>Results</b>		<b>Comments/Action Plan</b>	
<i>RADT 61C</i>	<i>94.1% of students scored 2 or higher 2014 97.1% of students scored 2 or higher 2015</i>		<i>Benchmark met Continue to monitor as current 2<sup>nd</sup> year class progresses.</i>	

<b>OUTCOME 1.3</b>	<b>Measurement Tool</b>	<b>Student Benchmark</b>	<b>Assessment Frequency</b>	<b>Responsible Authors</b>
Students will demonstrate proper equipment handling	Area D of the clinical evaluation form	Students will receive an average $\geq 8.5$ on the scale of 7.5 to 10.	- End of the 3 <sup>rd</sup> semester - End of the 6 <sup>th</sup> semester	- Clinical instructors and staff

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<b><i>Outcome 1.3</i></b>	<b><i>Results</i></b>	<b><i>Comments/Action Plan</i></b>
<i>Area D</i>	<i>9.63 average overall 2014</i> <b><i>9.70 average overall 2015 (Both cohorts)</i></b>	<i>Benchmark met</i> <i>Continue to monitor as current 2<sup>nd</sup> year class progresses.</i>

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

OUTCOME	Measurement Tool	Student Benchmark	Frequency	Responsible Authors
2.1: Students will utilize critical thinking in recognizing image quality	Area F of the evaluation form	Results 9.46 average overall 2014 <b>9.55 average overall 2015 (Both cohorts)</b>	- End of 3rd semester - End of the 6th semester <i>Continue to monitor as current 2<sup>nd</sup> year class progresses.</i>	Comments/Action Plan Clinical instructors and staff
<b>Outcome 2.1 - Tool 2</b>		<b>Results</b>		<b>Comments/Action Plan</b>
2.1: Students will utilize critical thinking in recognizing image quality	Radiation Physics lab final exam <i>RADT 63A section 5815</i>	An average rating of <b>85%</b> in all students' evaluations. <i>90% overall - Spring 2014 16 students 16 students 5/30/2014</i>	- End of the 2nd semester <i>Benchmark met</i> <i>Continue to monitor as current 2<sup>nd</sup> year class progresses.</i>	- Rad T 63A Instructor

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

Outcome 2.2	Results	Comments/Action Plan
Area I	9.69 average overall 2014 <b>9.67 average overall 2015 (Both cohorts)</b>	<i>Benchmark met</i> <i>Continue to monitor as current 2<sup>nd</sup> year class progresses.</i> <i>Faculty is reluctant to make changes in the benchmark until at least one class matriculates to graduation under the new program directors administration.</i>

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

OUTCOME	Measurement Tool	Student Benchmark	Frequency	Responsibility Authors
<b>Outcome 3.1</b> Students will demonstrate good oral communication in the clinical environment.	Area <sup>Results</sup> clinical evaluation Oral communication grading of the classes' projects	Students will receive an average $\geq 8.5$ on the evaluation. Students will receive an average $\geq 8.5$ on the scale of 7.5 to 10.	End of 3rd semester End of 4th semester End of 5th semester	Clinical instructor and staff RT 63B instructor
- 3.2: Students will demonstrate good oral communication.	9.72 average overall 2014 9.79 average overall 2015 (Both cohorts)	Benchmark met	Benchmark met	Continue to monitor as current 2 <sup>nd</sup> year class progresses.
<b>Outcome 3.2</b> Oral 63A ALARA project	97.5% class average Fall 2014			<b>Benchmark met</b>

OUTCOME	Measurement Tool	Student Benchmark	Frequency	Responsibility Authors
- 3.3: Students will demonstrate good written communication.	Written communication grading of the classes' projects	An average rating of <b>85%</b> in all students' evaluations.	- End of the 5th semester	- RT 65 instructor

Outcome 3.3	Results	Comments/Action Plan
RADT 65 written project	88.9% class average Spring 2015	<b>Benchmark met</b>

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

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<b>OUTCOME</b>	<b>Measurement Tool</b>	<b>Student Benchmark</b>	<b>Frequency</b>	<b>Responsibility Authors</b>
- 4.1: Students will demonstrate professionalism <b>&amp; ethical decision making.</b>	Area C of the clinical evaluation form.	-Students will receive an average $\geq 8.5$ on the scale of 7.5 to 10.	- End of 3rd semester - End of the 6th semester	- Clinical instructor and staff

<b>Outcome 4.1</b>	<b>Results</b>	<b>Comments/Action Plan</b>
Area C	9.78 average overall 2014 <b>9.83 average overall 2015 (Both cohorts)</b>	Benchmark met Continue to monitor as current 2 <sup>nd</sup> year class progresses.

<b>OUTCOME</b>	<b>Measurement Tools</b>	<b>Student Benchmark</b>	<b>Frequency</b>	<b>Responsibility Authors</b>
- 4.2: Students will demonstrate understanding of ethical decision making.	- RADT 60 = Ethics Test	- An average rating of <b>85%</b> in all students' evaluations on the Ethics exam of RADT 60.	- Annually	- RT 60 instructor

<b>Outcome 4.2</b>	<b>Results</b>	<b>Comments/Action Plan</b>
RADT 60	100% of students achieved 85% or higher	Benchmark met Continue to monitor as current 2 <sup>nd</sup> year class progresses.



**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.**

<b>OUTCOME</b>	<b>Measurement Tool</b>	<b>Program Benchmark</b>	<b>Frequency</b>	<b>Responsibility Area</b>
1: Consistent and acceptable completion rate.	Completion rate results	The program will graduate at least 80% of its students.	Annually at graduation	Program director

<b>Outcome 1</b>	<b>Results</b>	<b>Comments/Action Plan</b>
Class of 2013-2015	<i>16 of 20 (80%) completed the program</i>	<b><u>Benchmark met</u></b>

<b>OUTCOME</b>	<b>Measurement Tool</b>	<b>Program Benchmark</b>	<b>Frequency</b>	<b>Responsibility Area</b>
2: Graduates will pass the credentialing exam.	ARRT exam results	85% of program graduates will pass on the first attempt.	Annually	Program director

<b>Outcome 2</b>	<b>Results</b>	<b>Comments/Action Plan</b>
Class of 2013 - 2015	<i>14 of 16 passed on first attempt = 87.5%</i>	<b><u>Benchmark met</u></b>

<b>OUTCOME</b>	<b>Measurement Tool</b>	<b>Program Benchmark</b>	<b>Frequency</b>	<b>Responsibility Area</b>
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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	Program director
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Outcome 3	Results	Comments/Action Plan
Class of 2013-2015	<i>Data is pending</i>	<u>??</u>

OUTCOME	Measurement Tool	Program Benchmark	Frequency	Responsibility Area
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	Program director  Benchmark changed effective 2013 to within 12 months.

Outcome 4	Results	Comments/Action Plan
12 month employment	<i>Preliminary results = 11/14 = 79%</i>	<u><i>Data available 2016</i></u>

OUTCOME	Measurement Tool	Program Benchmark	Frequency	Responsibility Area
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	Program director

<b>Outcome 5</b>	<b>Results</b>	<b>Comments/Action Plan</b>
<i>2015 graduate satisfaction</i>		<b><u>Pending December 2015</u></b>

<b>OUTCOME</b>	<b>Measurement Tool</b>	<b>Program Benchmark</b>	<b>Frequency</b>	<b>Responsibility Area</b>
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	Program director

<b>Outcome 6</b>	<b>Results</b>	<b>Comments/Action Plan</b>
<i>2015 employer survey</i>		<b><u>Pending December 2015</u></b>

## 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



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

Discipline	X2012	F2012	S2013	X2013	F2013	S2014	X2014	F2014	S2015	X2015	F2015	S2016
Radiologic Technology	87.2%	94.1%	93.8%	87.5%	30.1%	45.0%	100.0%	90.0%	85.0%	82.5%	63.9%	

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

Discipline	X2012	F2012	S2013	X2013	F2013	S2014	X2014	F2014	S2015	X2015	F2015	S2016
Radiologic Technology	87.2%	94.1%	103.2%	93.8%	78.8%	71.0%	96.4%	102.2%	91.5%	70.0%	93.7%	

## 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	X2015	F2015	S2016
Radiologic Technology	17.0	16.0	27.0	16.0	23.2	21.3	21.7	21.9	19.5	14.5	22.0	

**Petaluma Campus** (Includes Rohnert Park and Sonoma)

Discipline	X2012	F2012	S2013	X2013	F2013	S2014	X2014	F2014	S2015	X2015	F2015	S2016
Radiologic Technology	0.0	0.0	0.0	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	X2015	F2015	S2016
Radiologic Technology	17.0	16.0	15.0	14.0	6.3	9.0	16.0	18.0	17.0	16.5	9.8	

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

Discipline	X2012	F2012	S2013	X2013	F2013	S2014	X2014	F2014	S2015	X2015	F2015	S2016
Radiologic Technology	17.0	16.0	24.0	15.0	16.4	17.2	20.3	21.0	18.9	15.2	17.5	

## 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	X2015	F2015	S2016
	<b>FTES</b>	1.30	3.17	7.92	0.43	14.60	9.29	4.41	17.61	13.60	5.60	17.72	
	<b>FTEF</b>	0.61	0.31	0.87	0.33	1.35	0.81	0.16	1.63	1.29	0.49	1.61	
	<b>Ratio</b>	<b>2.14</b>	<b>10.20</b>	<b>9.14</b>	<b>1.31</b>	<b>10.83</b>	<b>11.52</b>	<b>27.99</b>	<b>10.83</b>	<b>10.51</b>	<b>11.35</b>	<b>10.97</b>	

#### Petaluma Campus (Includes Rohnert Park and Sonoma)

Radiologic Technology		X2012	F2012	S2013	X2013	F2013	S2014	X2014	F2014	S2015	X2015	F2015	S2016
	<b>FTES</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	<b>FTEF</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	<b>Ratio</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	

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

Radiologic Technology		X2012	F2012	S2013	X2013	F2013	S2014	X2014	F2014	S2015	X2015	F2015	S2016
	<b>FTES</b>	14.05	16.00	13.50	5.71	8.50	9.00	4.22	18.50	22.71	11.14	21.86	
	<b>FTEF</b>	1.07	0.98	1.20	0.65	0.82	0.82	0.69	1.40	1.27	1.03	1.44	
	<b>Ratio</b>	<b>13.07</b>	<b>16.36</b>	<b>11.25</b>	<b>8.79</b>	<b>10.34</b>	<b>10.95</b>	<b>6.11</b>	<b>13.22</b>	<b>17.93</b>	<b>10.85</b>	<b>15.13</b>	

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

<b>Radiologic Technology</b>		<b>X2012</b>	<b>F2012</b>	<b>S2013</b>	<b>X2013</b>	<b>F2013</b>	<b>S2014</b>	<b>X2014</b>	<b>F2014</b>	<b>S2015</b>	<b>X2015</b>	<b>F2015</b>	<b>S2016</b>
	<b>FTES</b>	15.35	19.17	21.42	6.14	23.10	18.29	8.63	36.11	36.31	16.73	39.58	
	<b>FTEF</b>	1.68	1.29	2.07	0.98	2.17	1.63	0.85	3.03	2.56	1.52	3.06	
	<b>Ratio</b>	<b>9.13</b>	<b>14.88</b>	<b>10.36</b>	<b>6.28</b>	<b>10.64</b>	<b>11.23</b>	<b>10.18</b>	<b>11.93</b>	<b>14.18</b>	<b>11.02</b>	<b>12.94</b>	

## 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	X2015	F2015	S2016
Radiologic Technology	94.4%	89.3%	94.6%	95.0%	86.3%	90.5%	83.3%	86.0%	93.3%	93.1%	90.0%	

#### Petaluma Campus (Includes Rohnert Park and Sonoma)

Discipline	X2012	F2012	S2013	X2013	F2013	S2014	X2014	F2014	S2015	X2015	F2015	S2016
Radiologic Technology	0.0%	0.0%	0.0%	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	X2015	F2015	S2016
Radiologic Technology	97.1%	93.8%	87.5%	92.9%	92.0%	88.9%	100.0%	97.2%	100.0%	94.1%	97.4%	

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

Discipline	X2012	F2012	S2013	X2013	F2013	S2014	X2014	F2014	S2015	X2015	F2015	S2016
Radiologic Technology	95.7%	90.9%	93.5%	94.1%	87.2%	90.2%	86.6%	88.0%	94.8%	93.5%	91.5%	





## 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	X2015	F2015	S2016
Radiologic Technology	97.2%	96.4%	96.7%	95.0%	89.9%	92.9%	86.4%	87.8%	95.0%	93.1%	93.8%	

#### Petaluma Campus (Includes Rohnert Park and Sonoma)

Discipline	X2012	F2012	S2013	X2013	F2013	S2014	X2014	F2014	S2015	X2015	F2015	S2016
Radiologic Technology	0.0%	0.0%	0.0%	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	X2015	F2015	S2016
Radiologic Technology	100.0%	100.0%	87.5%	92.9%	92.0%	88.9%	100.0%	97.2%	100.0%	94.1%	97.4%	

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

Discipline	X2012	F2012	S2013	X2013	F2013	S2014	X2014	F2014	S2015	X2015	F2015	S2016
Radiologic Technology	98.6%	97.7%	95.4%	94.1%	90.2%	92.2%	89.0%	89.5%	96.1%	93.5%	94.5%	

**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	X2015	F2015	S2016
Radiologic Technology	2.89	3.46	2.91	2.82	2.87	2.84	2.73	3.16	3.37	3.50	3.04	

**Petaluma Campus** (Includes Rohnert Park and Sonoma)

Discipline	X2012	F2012	S2013	X2013	F2013	S2014	X2014	F2014	S2015	X2015	F2015	S2016
Radiologic Technology	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

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

Discipline	X2012	F2012	S2013	X2013	F2013	S2014	X2014	F2014	S2015	X2015	F2015	S2016
Radiologic Technology	3.75	3.50	3.33	3.64	3.81	3.22	3.88	3.76	3.76	3.91	3.91	

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

Discipline	X2012	F2012	S2013	X2013	F2013	S2014	X2014	F2014	S2015	X2015	F2015	S2016
Radiologic Technology	3.51	3.49	3.08	3.30	3.05	2.96	3.26	3.37	3.54	3.74	3.35	

## 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	2015-16	Percent
	White	145	67.1%	175	61.8%	230	56.2%	246	56.2%
	Asian	5	2.3%	18	6.4%	32	7.8%	25	5.7%
	Black	10	4.6%	14	4.9%	12	2.9%	21	4.8%
	Hispanic	20	9.3%	65	23.0%	118	28.9%	109	24.9%
	Native American	0	0.0%	0	0.0%	1	0.2%	0	0.0%
	Pacific Islander	0	0.0%	0	0.0%	0	0.0%	1	0.2%
	Filipino	2	0.9%	1	0.4%	2	0.5%	11	2.5%
	Other Non-White	0	0.0%	2	0.7%	14	3.4%	24	5.5%
	Decline to state	34	15.7%	8	2.8%	0	0.0%	1	0.2%
	<b>ALL Ethnicities</b>	<b>216</b>	<b>100.0%</b>	<b>283</b>	<b>100.0%</b>	<b>409</b>	<b>100.0%</b>	<b>438</b>	<b>100.0%</b>

**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	2015-16	Percent
	Male	96	44.4%	118	41.7%	140	34.2%	154	35.2%
	Female	120	55.6%	163	57.6%	269	65.8%	284	64.8%
	Unknown	0	0.0%	2	0.7%	0	0.0%	0	0.0%
	<b>ALL Genders</b>	<b>216</b>	<b>100.0%</b>	<b>283</b>	<b>100.0%</b>	<b>409</b>	<b>100.0%</b>	<b>438</b>	<b>100.0%</b>

**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	2015-16	Percent
	0 thru 18	1	0.5%	3	1.1%	4	1.0%	7	1.6%
	19 and 20	8	3.7%	24	8.5%	28	6.8%	32	7.3%
	21 thru 25	51	23.6%	67	23.7%	161	39.4%	155	35.4%
	26 thru 30	38	17.6%	56	19.8%	70	17.1%	97	22.1%
	31 thru 35	32	14.8%	46	16.3%	72	17.6%	75	17.1%
	36 thru 40	13	6.0%	22	7.8%	25	6.1%	26	5.9%
	41 thru 45	23	10.6%	16	5.7%	14	3.4%	22	5.0%
	46 thru 50	21	9.7%	15	5.3%	23	5.6%	17	3.9%
	51 thru 60	28	13.0%	28	9.9%	11	2.7%	6	1.4%
	61 plus	1	0.5%	6	2.1%	1	0.2%	1	0.2%
	<b>ALL Ages</b>	<b>216</b>	<b>100.0%</b>	<b>283</b>	<b>100.0%</b>	<b>409</b>	<b>100.0%</b>	<b>438</b>	<b>100.0%</b>

## 5.8 Curriculum Offered Within Reasonable Time Frame

The program curriculum and clinical 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. Additionally, 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 employment 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 substantially 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 grievance 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, next 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
0001	Santa Rosa	01	01	Additional clinical site affiliation	More clinical placements required for student internship	2015	Additional radiologic technology departments with sufficient staff and motivation. We have affiliated with Sonoma West Medical Center
0002	Santa Rosa	04	06	Update radiographic equipment	We have upgraded our PACS and our Computed Radiography equipment	2015	Both CR and PACS operating normally in the new Win 7 environment

## 6.2a Program/Unit Conclusions

Location	Program/Unit Conclusions
Santa Rosa	Course and program SLOs have been analyzed and reported effective Fall 2014. This is an ongoing process
Santa Rosa	On the immediate radar screen is the installation of another simulation xray room for student positioning practice. The funding has come from a variety of sources. I have also requested additional equipment and accessories for the entire Race 4046 project.

## 6.2b PRPP Editor Feedback - Optional

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### 6.3a Annual Unit Plan

Rank	Location	SP	M	Goal	Objective	Time Frame	Resources Required
0001	Santa Rosa	01	01	Accessories fir new table installation Race 4046	To faithfully reproduce the radiographic enviornment	2016-2017	Positioning sponges, gonadal shielding and accessories for new table and some to replace older worn out sponges (> 8 years old).
0002	Santa Rosa	01	01	Furniture for re-designed Race 4046	More instructioonal functionality in an awkward space	2016-2017	Tables and rolling chairs for 10 students, computer with display video.
0003	Santa Rosa	01	01	A full time clinical coordinator position	A second f/t position in the department	2016-2017	Another full time position in radiologic technology would ensure student supervision in the clinical sites and help alleviate the health science load on committee work.
0005	Santa Rosa	02	07	Update library of computer based materials	Software related to radiologic technology intended for use with Win 7 enviornment	2016 and beyond	Availability of funding to purchase computer based learning software as it is identified.
0005	Santa Rosa	01	05	Additional clinical site affiliations	Enough clinical affiliated sites to place students	2016 and beyond	Availability of funding to affiliate with additional clinical sites as they become available.