

# Santa Rosa Junior College

## Program Resource Planning Process

### Radiologic Technology 2014

#### 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

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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 utilizing critical thinking in recognizing image quality and adapting 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 are mostly 8 - 5 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 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.

## 2.1a Budget Needs

**Starting 2008, the State of California Department of Public Health / Radiologic Health Branch has levied an annual charge of \$2800 for the program's membership fees. Thus, an augmentation of the annually allocated budget has been requested to reflect this mandatory cost increase. In addition to the School of Radiologic Technology fee, there is an associated albeit separate School of Fluoroscopy fee. Starting Fall 2009, these fees are handled by Academic Affairs, in the Vice President Office.**

### **Priority 2 2013: (ONGOING)**

**Our program is expanding from 32 students system wide to 40 students system wide. Those additional enrolled students will require clinical sites to participate in the clinical portion of the educational program. Additional clinical sites will need to be identified, an affiliation agreement signed, and the accrediting bodies of the JRCERT and the CDPH/RHB must also approve these sites. Initial cost is approximately \$400.00 per site, but the yearly renewal costs are covered by Academic Affairs office of the VP as outlined above.**

**Priority 1 2014:**

Educational software capable of running on the new Windows 7 platform becomes a critical need. This is addressed in 2.1b Budget requests. It is likely that this need will continue for the foreseeable future as some of the programs that were installed on our radiologic technology department computers, and in the HLRC computers were significantly outdated (1986!). Additionally, the electronic imaging system (PACS) installed in our x-ray lab also needs to be updated as it will no longer run in the Windows 7 platform.

**Priority 2 2014:**

Other priorities as listed in section 2.1b. Ranking those priorities, educational software and the computer components required for their display are of primary concern, with the other budgetary requests highly desirable.

**Radiologic Technology - FY 2012-13**

**2.1 Fiscal Year Expenditures**

**Santa Rosa Campus**

Expenditure Category	Unrestricted Funds	Change from 2011-12	Restricted Funds	Change from 2011-12	Total	Change from 2011-12
Faculty payroll	\$67,074.00	-49.50%	\$0.00	0.00%	\$67,074.00	-49.50%
Adjunct payroll	\$87,566.81	-42.66%	\$0.00	0.00%	\$87,566.81	-42.66%
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	-100.00%	\$0.00	0.00%	\$0.00	-100.00%
Management payroll (and Dept Chairs)	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%
Benefits (3000's)	\$37,278.48	-33.59%	\$0.00	0.00%	\$37,278.48	-33.59%
Supplies (4000's)	\$862.38	-79.73%	\$0.00	0.00%	\$862.38	-79.73%
Services (5000's)	\$1,414.21	501.33%	\$0.00	0.00%	\$1,414.21	501.33%
Equipment (6000's)	\$0.00	-100.00%	\$0.00	0.00%	\$0.00	-100.00%
<b>Total Expenditures</b>	<b>\$194,195.88</b>	<b>-44.26%</b>	<b>\$0.00</b>	<b>0.00%</b>	<b>\$194,195.88</b>	<b>-44.26%</b>

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

Expenditure Category	Unrestricted Funds	Change from 2011-12	Restricted Funds	Change from 2011-12	Total	Change from 2011-12
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 2011-12	Restricted Funds	Change from 2011-12	Total	Change from 2011-12
Faculty payroll	\$0.00	0.00%	\$0.00	0.00%	\$0.00	0.00%
Adjunct payroll	\$1,355.57	-52.78%	\$0.00	0.00%	\$1,355.57	-52.78%

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)	\$104.65	-55.76%	\$0.00	0.00%	\$104.65	-55.76%
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>\$1,460.22</b>	<b>-53.01%</b>	<b>\$0.00</b>	<b>0.00%</b>	<b>\$1,460.22</b>	<b>-53.01%</b>

## Expenditure Totals

Expenditure Category	Amount	Change from 2011-12	District Total	% of District Total
Total Expenditures	\$195,656.10	-44.34%	\$109,755,801.72	0.18%
Total Faculty Payroll	\$155,996.38	-45.91%	\$37,642,229.36	0.41%
Total Classified Payroll	\$0.00	0.00%	\$17,914,387.66	0.00%
Total Management Payroll	\$0.00	0.00%	\$9,033,594.60	0.00%
Total Salary/Benefits Costs	\$193,379.51	-44.02%	\$83,300,149.56	0.23%
Total Non-Personnel Costs	\$2,276.59	-62.31%	\$13,951,537.78	0.02%

## 2.1b Budget Requests

Rank	Location	SP	M	Amount	Brief Rationale
0001	Santa Rosa	01	01	\$1,200.00	ASRT educational module "Essentials of Digital Imaging". This updated electronic resource will be installed in the HLRC computers as a resource for the radiologic technology students both accepted into our program as well as those still completing prerequisites to qualify for admission. The present module is outdated and will not be imaged onto the HLRC computers when they are migrated to Windows 7.
0002	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.
0003	Santa Rosa	04	01	\$1,200.00	Catella PACS (electronic imaging) is loaded into our equipment in the x-ray lab. This system will not run on Windows 7 without update and re-installation. The service is available through the distributor with additional charges to migrate the existing database of images over.
0004	Santa Rosa	04	06	\$11,000.00	Update room 4046 (Race) to a multimedia SMART classroom. Per Russ Bowden equipment will cost 11,000. This upgrade will make that classroom much more functional for radiologic technology classes as well as other small groups requiring the availability of a SMART classroom environment.
0005	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 curtailed the number of students that they are willing to accept per semester.

## 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.
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## 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. The college does not want any cohort to be less than 20 students.

Currently, we are adequately staffed in the clerical and administrative areas.

## Radiologic Technology - FY 2012-13

### 2.2 Fiscal Year Employee Data and Calculations

#### Employee Head Counts

Employee Category	Count	Change from 2011-12	District Total	% of District Total
Contract Faculty	1	-50.00%	283	0.35%
Adjunct Faculty	8	0.00%	1276	0.63%
Classified Staff	0	0.00%	497	0.00%
STNC Workers	0	0.00%	420	0.00%
Student Workers	0	-100.00%	597	0.00%
Mgmt/Admin/Dept Chair	0	0.00%	148	0.00%

#### Employee FTE Totals

FTE Category	FTE	Change from 2011-12	District Total	% of District Total
FTE-F - Faculty	3.8074	-32.72%	642.6824	0.59%
FTE-CF - Contract Faculty	1.0000	-50.00%	278.5000	0.36%
FTE-AF - Adjunct Faculty	2.8074	-23.28%	364.1824	0.77%
FTE-C - Classified	0.0000	0.00%	400.6181	0.00%
FTE-ST - STNC	0.0000	0.00%	50.7970	0.00%
FTE-SS - Support Staff	0.0000	-100.00%	627.9055	0.00%
FTE-SW - Student Workers	0.0000	-100.00%	176.4904	0.00%
FTE-M - Management	0.0000	0.00%	118.9300	0.00%
FTE-DC - Department Chairs	0.0000	0.00%	50.0000	0.00%

#### Student Data

Data Element	Value	Change from 2011-12	District Total	% of District Total
FTES-CR - Credit	75.4806	-20.64%	16141.1500	0.47%
FTES-NC - Non-Credit	0.0000	0.00%	2064.1447	0.00%
FTES - combined	75.4806	-20.64%	18205.2947	0.41%
Students Enrolled/Served	344	13.16%	30000	1.15%

#### Calculations

Data Element	Value	Change from 2011-12	District Total	% of District Total
FTE-S : FTE-F	19.8250	17.95%	28.3270	69.99%
FTE-AF : FTE-CF	2.8074	53.44%	1.3077	214.69%
FTE-F : FTE-SS	0.0000	-100.00%	1.0235	0.00%

FTE-F : FTE-M	0.0000	0.00%	5.4039	0.00%
FTE-SS : FTE-M	0.0000	0.00%	5.2796	0.00%
FTE-ST : FTE-C	0.0000	0.00%	0.1268	0.00%
Average Faculty Salary per FTE-F	\$40,972.41	-19.60%	\$58,570.50	69.95%
Average Classified Salary per FTE-C	\$0.00	0.00%	\$44,716.87	0.00%
Average Management Salary per FTE-M	\$0.00	0.00%	\$75,957.24	0.00%
Salary/Benefit costs as a % of total budget	98.84%	0.56%	75.90%	130.23%
Non-Personnel \$ as a % of total budget	1.16%	-32.29%	12.71%	9.15%
Restricted Funds as a % of total budget	0.00%	0.00%	11.39%	0.00%
Total Unit Cost per FTE-F	\$51,389.03	-17.26%	\$170,777.67	30.09%
Total Unit Cost per FTE-C	\$0.00	0.00%	\$273,966.16	0.00%
Total Unit Cost per FTE-M	\$0.00	0.00%	\$922,860.52	0.00%
Total Unit Cost per FTE-S	\$2,592.14	-29.86%	\$6,028.78	43.00%
Total Unit Cost per student served/enrolled	\$568.77	-50.81%	\$3,658.53	15.55%

## 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 release time for program coordination.

### 2.3b Full-Time and Part-Time Ratios

<b>Discipline</b>	<b>FTEF Reg</b>	<b>% Reg Load</b>	<b>FTEF Adj</b>	<b>% Adj Load</b>	<b>Description</b>
Radiologic Technology	1.0000	100.0000	2.3200	232.0000	There is only one full time coordinator/instructor in the program.

## 2.3c Faculty Within Retirement Range

Of the core radiologic technology faculty, the program director and one senior instructor (adjunct) are within retirement age.

## 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 the additional students coming into our program, it is conceivable that additional clinical coordinator time or positions will become necessary. 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 2012-13

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

Name Last	First	Position	Hours	HR FTE	DM FTE
Lehrer	Richard		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
Diehl	Keith		95.00	0.1333
Hetzer	Timothy		23.76	0.0864
Lehrer	Richard		104.57	0.9006
McLarty	Christine		126.04	1.0000
Patterson	Bonnie		179.25	0.1498
Robertson	Joanne		616.50	0.5371
Shelley	Janet		10.00	0.0000
Troxel	Tracy		23.75	0.0000
<b>Totals</b>			<b>1178.87</b>	<b>2.8074</b>



## 2.3e Faculty Staffing Requests

Rank	Location	SP	M	Discipline	SLO Assessment Rationale
0001	ALL	01	06	Clinical Coordinator - see 2.2d and 2.3d	<p>As radiologic technology accepts a second cohort and once again comes up to a full complement of students, a full time clinical coordinator position is sought. We will have 40 students program wide in hospital and clinical assignments from Novato all the way to Fort Bragg. 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 students familiarity with the listed SLO's, and to provide remediation to those who may require it, a full time clinical coordinator would be much more efficient than the 3-4 adjunct faculty fulfilling the responsibility now.</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 Rational for Instructional and Non-Instructional Equipment, Technology, and Software

### **Priority item 1.**

With the upgrade of our Health Learning Resource Center from Windows XP to Windows 7, we have taken the opportunity to evaluate the radiologic technology programs loaded onto those student learning computers. The Online Digital imaging Academy (ODIA circa 2008) is now dated. Therefore, we request the product that has replaced it. The American Society of Radiologic Technologists offers "Essentials of Digital Imaging" as the most current educational tool for radiologic technologists and students of theradiologic sciences.

### **Priority item 2.**

Annual x-ray and safety testing. State mandated evaluation of our x-ray room.

### **Priority item 3.**

Our Picture Archive Communication System (PACS) in the x-ray lab is currently running on the Windows XP platform. The manufacturer does not support our version of PACS in the Windows 7 environment. Therefore, as a part of the campus-wide migration to Windows 7, radiologic technology requests the updated PACS version capable of Windows 7.

### **Priority item 4.**

Classroom 4046 (Race) is an awkward space, but has close proximity to the x-ray lab. This space as it presently exists is under-utilized by radiologic technology and other health science programs. Media services have outlined a plan to give that room more functionality as a classroom, and more utility for various other health science students in addition to radiologic technology students.

### **Priority item 5.**

With the advances in technology in the workplace it is imperative that we teach our students using the latest equipment. Mobile digital fluoroscopy and Mobile x-ray units are commonly used in hospitals and clinical settings.

## 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	01	01	ASRT "Breast Imaging Basics the Series"- CD-ROM	1	\$2,000.00	\$2,000.00	Rich Lehrer	4074	Rich Lehrer
0002	Santa Rosa	01	01	ASRT "Fluoroscopy:The Series" -CD-ROM	1	\$625.00	\$625.00	Rich Lehrer	4074	Rich Lehrer
0003	Santa Rosa	01	01	ASRT "Essentials of Digital Imaging"	1	\$1,200.00	\$1,200.00	Rich Lehrer	4074	Rich Lehrer
0004	Santa Rosa	04	01	Annual x-ray lab safety & performance testing	1	\$750.00	\$750.00	Rich Lehrer	4074	Rich Lehrer
0005	Santa Rosa	04	01	Upgrade the x-ray lab PACS	1	\$1,150.00	\$1,150.00	Rich Lehrer	4074	Rich Lehrer
0006	Santa Rosa	04	06	Upgrade classroom 4046	1	\$11,000.00	\$11,000.00	Rich Lehrer	4074	Rich Lehrer
0007	Santa Rosa	04	06	Mobile Digital Fluoroscopy	1	\$50,000.00	\$50,000.00	Rich Lehrer	4074	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
0000	Santa Rosa	00	00	none at this time	0	\$0.00	\$0.00			

## 2.5a Minor Facilities Requests

Rank	Location	SP	M	Time Frame	Building	Room Number	Est. Cost	Description
0001	Santa Rosa	04	01	Urgent	Race, Plover, or Doyle		\$0.00	The program coordinator of the Rad Tech program needs a private office in order to insure strict confidentiality when meeting with students and other college staff.

## 2.5b Analysis of Existing Facilities

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

## 3.1 Develop Financial Resources

Radiologic Technology has not actively applied for grants, but the availability of the CEA mini-grants has been evaluated to determine whether radiologic technology would qualify.

## 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

Valarie Garcia, Mary Kennedy and Rich Lehrer are identified as building safety coordinators.

## 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.

## 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		2019
RT 68	1 & 2	Lehrer	X 2013	X 2013		2019
RT 61.1 AL	1	Lehrer	F 2013	F 2013		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	In progress	2019
RT 100	all	McLarty	S 2013	S 2013		2019

## 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. Any needed improvements are implemented.

The program SLO assessment has been completed and will be completed on a 6 year cycle again by 2020.

## 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 Rad T 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.

## 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 2013-2014 academic year should be representative of the present status of our program under the leadership of the current program director.

I have attached the most recent assessment and program effectiveness data below.

# Santa Rosa Junior College Radiologic Technology Assessment Plan Student Learning Outcomes 2012-13

**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 1.2</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</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	End of the 3 <sup>rd</sup> semester	RT 61 A, B, C instructors

		scale of 0 to 4 scale.		
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<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

<b>Outcome 1.1</b>	<b>Results</b>	<b>Comments/Action Plan</b>
Area E	9.11 average overall	Benchmark met

<b>Outcome 1.2 - Tool 1</b>	<b>Results</b>	<b>Comments/Action Plan</b>
Area H	9.44 average overall	Benchmark met

<b>Outcome 1.2 – Tool 2</b>	<b>Results</b>	<b>Comments/Action Plan</b>
RADT 61C	0	<u>No first year cohort</u>

<b>Outcome 1.3</b>	<b>Results</b>	<b>Comments/Action Plan</b>
Area D	9.10 average overall	Benchmark met

<b>OUTCOME</b>	<b>Measurement Tool</b>	<b>Student Benchmark</b>	<b>Frequency</b>	<b>R</b>
2.1: Students will utilize critical thinking in recognizing image quality	Area F 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	- Clin
2.1: Students will utilize critical thinking in recognizing image quality	Radiation Physics lab final exam	An average rating of <b>85%</b> in all students' evaluations.	- End of the 2nd semester	-

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



<b>OUTCOME 2.2</b>	<b>Measurement Tool</b>	<b>Student Benchmark</b>	<b>Assessment Frequency</b>	<b>Responsible Authors</b>
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

<b>Outcome 2.1- Tool 1</b>	<b>Results</b>	<b>Comments/Action Plan</b>
Area F	9.16 average overall	Benchmark met

<b>Outcome 2.1- Tool 2</b>	<b>Results</b>	<b>Comments/Action Plan</b>
RADT 63A section 5815	0	<u>No first year cohort</u>

<b>Outcome 2.2</b>	<b>Results</b>	<b>Comments/Action Plan</b>
Area I	9.13 average overall	Benchmark met

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

<b>OUTCOME</b>	<b>Measurement Tool</b>	<b>Student Benchmark</b>	<b>Frequency</b>
- 3.1: Students will demonstrate good communication in the clinical environment.	Area B 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

<b>OUTCOME</b>	<b>Measurement Tool</b>	<b>Student Benchmark</b>	<b>Frequency</b>	<b>Responsi</b>
- 3.2: Students will demonstrate good <b>oral</b> communication.	Oral communication grading of the classes' projects	- Students will receive an average $\geq 8.5$ on the scale of 7.5 to 10.	- End of 4th semester - End of the 5th semester	- RT 63 - RT 65
<b>OUTCOME</b>	<b>Measurement Tool</b>	<b>Student Benchmark</b>	<b>Frequency</b>	<b>Responsi</b>
- 3.3: Students will demonstrate good <b>written</b> communication.	Written communication grading of the classes' projects	- Students will receive an average $\geq 8.5$ on the scale of 7.5 to 10.	- End of 4th semester - End of the 5th semester	- RT 63 - RT 65

<b>Outcome 3.1</b>	<b>Results</b>	<b>Comments/Action Plan</b>
Area B	9.1 average overall	Benchmark met
<b>Outcome 3.2</b>	<b>Results</b>	<b>Comments/Action Plan</b>
RADT 63B oral project RADT 65 oral project	97.5% 63B oral 93.2% 65 oral	Benchmark met

<b>Outcome 3.3</b>	<b>Results</b>	<b>Comments/Action Plan</b>
RADT 63B written project RADT 65 written project	94.7% & 63B written 88.1% RADT 65 written	Benchmark met

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

<b>OUTCOME</b>	<b>Measurement Tool</b>	<b>Student Benchmark</b>	<b>Frequency</b>	<b>Responsi</b>
- 4.1: Students will demonstrate professionalism.	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 ins

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<b>OUTCOME</b>	<b>Measurement Tools</b>	<b>Student Benchmark</b>	<b>Frequency</b>	<b>Responsi</b>
- 4.2: Students will demonstrate understanding of ethical decision making.	- Ethics Test - Grading evaluation of the Ethics component in classes' project evaluations	- 85% of students will pass the Ethics quiz - Students will receive an average $\geq 8.5$ on the scale of 7.5 to 10.	- Annually - Annually	- RT 60 - RT 64

<b>Outcome 4.1</b>	<b>Results</b>	<b>Comments/Action Plan</b>

Area C	9.35 average overall	Benchmark met
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Outcome 4.2 – Tool 1	Results	Comments/Action Plan
RADT 60	0	<u>No first year cohort</u>

Outcome 4.2 – Tool 2	Results	Comments/Action Plan
RADT 64 Section 1817	0	<u>No first year cohort</u>

## Santa Rosa Junior College Radiologic Technology Assessment Plan Program Effectiveness Measures

2012 – 2013

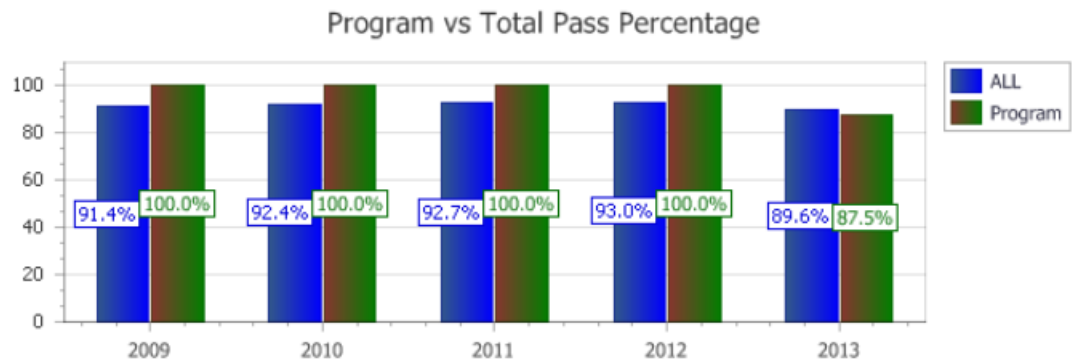
**Program Goal: To maintain the program effectiveness by reaching benchmarks set in these areas: completion and pass rates, employment rates, and employer satisfaction.**

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

Outcome 1	Results	Comments/Action Plan
Class of 2011-2013	16/16 graduated (100%)	Benchmark met

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

Outcome 2	Results	Comments/Action Plan
Class of 2011 - 2013	87.5% pass rate on first attempt	Benchmark met



OUTCOME	Measurement Tool	Program Benchmark	Frequency	Responsibility Area
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

Outcome 3	Results	Comments/Action Plan
Class of 2011-2013	SRJC 83.4 ~ National 84.1	Benchmark not met Continue to monitor

OUTCOME	Measurement Tool	Program Benchmark	Frequency	Responsibility Area
4: Graduates will become employed within 6 months of after graduation (5-year average).	Graduate survey results (Question # 2)	Of those seeking employment, 75% of program graduates will become employed within 6 months after graduation.	Annually for 5 years	Program director  Benchmark changed effective 2013 to within 12 months.

Outcome 4	Results	Comments/Action Plan
6 month employment	69%	Benchmark not met Will start to track @ 12 months effective 2014

<b>OUTCOME</b>	<b>Measurement Tool</b>	<b>Program Benchmark</b>	<b>Frequency</b>	<b>Responsibility Area</b>
5: Graduates will be satisfied with their education.	Graduate Survey	{{Scores will average to 2.5 on a 3-point scale.}} 83.3% of employers will be satisfied with graduate employees education	Annually	Program director {{2013 changed to 5 point scale}}

<b>Outcome 5</b>	<b>Results</b>	<b>Comments/Action Plan</b>
<i>2013 graduate satisfaction</i>	<i>80%</i>	80% of graduates are satisfied with their education ~ Benchmark not met

<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	{{Scores will average to 2.5 on a 3-point scale.}} 83.3% of employers will be satisfied with graduate employees education	Annually	Program director {{2013 changed to 5 point scale}}

<b>Outcome 6</b>	<b>Results</b>	<b>Comments/Action Plan</b>
<i>2013 employer survey</i>	<i>75%</i>	75% of employers are satisfied with graduates education ~ Benchmark not met (only 4 responses)

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. This effort continues...

## 5.2a Enrollment Efficiency

### 2013-14 PRPP

### FY 2011-12 (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	X2009	F2009	S2010	X2010	F2010	S2011	X2011	F2011	S2012
Radiologic Technology	31	161	99	31	152	148	31	141	1

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

Discipline	X2009	F2009	S2010	X2010	F2010	S2011	X2011	F2011	S2012
Radiologic Technology	0	0	0	0	0	0	0	0	

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

Discipline	X2009	F2009	S2010	X2010	F2010	S2011	X2011	F2011	S2012
Radiologic Technology	29	31	59	30	32	48	44	32	

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

Discipline	X2009	F2009	S2010	X2010	F2010	S2011	X2011	F2011	S2012
Radiologic Technology	60	192	158	61	184	196	75	173	2

#### 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	X2010	F2010	S2011	X2011	F2011	S2012	X2012	F2012	S2013
Radiologic Technology	76.9%	96.2%	92.8%	76.9%	94.7%	94.3%	86.7%	94.1%	106.6%

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

Discipline	X2010	F2010	S2011	X2011	F2011	S2012	X2012	F2012	S2013
Radiologic Technology	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	X2010	F2010	S2011	X2011	F2011	S2012	X2012	F2012	S2013
Radiologic Technology	76.9%	86.5%	76.2%	73.3%	86.5%	81.0%	87.2%	94.1%	93.8%

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

Discipline	X2010	F2010	S2011	X2011	F2011	S2012	X2012	F2012	S2013
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**Other Locations** (Includes the PSTC, Windsor, and other locations)

<b>Radiologic Technology</b>		<b>X2010</b>	<b>F2010</b>	<b>S2011</b>	<b>X2011</b>	<b>F2011</b>	<b>S2012</b>	<b>X2012</b>	<b>F2012</b>	<b>S2013</b>
	<b>FTES</b>	13.43	19.20	24.00	16.79	19.20	24.73	14.05	32.00	13.50
	<b>FTEF</b>	0.91	1.18	1.13	1.61	1.39	1.27	1.07	1.96	1.20
	<b>Ratio</b>	<b>14.69</b>	<b>16.21</b>	<b>21.18</b>	<b>10.46</b>	<b>13.78</b>	<b>19.53</b>	<b>13.07</b>	<b>16.36</b>	<b>11.25</b>

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

<b>Radiologic Technology</b>		<b>X2010</b>	<b>F2010</b>	<b>S2011</b>	<b>X2011</b>	<b>F2011</b>	<b>S2012</b>	<b>X2012</b>	<b>F2012</b>	<b>S2013</b>
	<b>FTES</b>	15.50	34.93	39.16	19.12	34.39	41.60	15.60	35.17	24.70
	<b>FTEF</b>	1.29	2.52	2.26	1.98	2.99	3.30	1.99	2.27	2.20
	<b>Ratio</b>	<b>11.99</b>	<b>13.88</b>	<b>17.30</b>	<b>9.64</b>	<b>11.49</b>	<b>12.60</b>	<b>7.83</b>	<b>15.52</b>	<b>11.24</b>



## 5.4 Curriculum Currency

Periodic revision and update of radiologic technology coursework has occurred most recently in the spring of 2013. 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 2012-13 (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	X2010	F2010	S2011	X2011	F2011	S2012	X2012	F2012	S2013
Radiologic Technology	100.0%	86.1%	95.9%	100.0%	92.2%	87.8%	96.3%	89.3%	94.3%

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

Discipline	X2010	F2010	S2011	X2011	F2011	S2012	X2012	F2012	S2013
Radiologic Technology	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	X2010	F2010	S2011	X2011	F2011	S2012	X2012	F2012	S2013
Radiologic Technology	100.0%	100.0%	95.8%	100.0%	100.0%	97.1%	97.1%	93.8%	87.5%

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

Discipline	X2010	F2010	S2011	X2011	F2011	S2012	X2012	F2012	S2013
Radiologic Technology	100.0%	88.5%	95.9%	100.0%	93.6%	89.3%	96.6%	91.7%	93.6%

## 5.6 Student Success

In 2013, 100% of students graduated and passed the national board certifying exam. 5 year average = 97.5%

### Radiologic Technology - FY 2012-13 (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	X2010	F2010	S2011	X2011	F2011	S2012	X2012	F2012	S2013
Radiologic Technology	100.0%	91.4%	97.2%	100.0%	92.9%	92.8%	98.1%	96.4%	95.5%

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

Discipline	X2010	F2010	S2011	X2011	F2011	S2012	X2012	F2012	S2013
Radiologic Technology	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	X2010	F2010	S2011	X2011	F2011	S2012	X2012	F2012	S2013
Radiologic Technology	100.0%	100.0%	95.8%	100.0%	100.0%	100.0%	100.0%	100.0%	87.1%

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

Discipline	X2010	F2010	S2011	X2011	F2011	S2012	X2012	F2012	S2013
Radiologic Technology	100.0%	92.9%	96.9%	100.0%	94.2%	94.0%	98.9%	98.3%	94.1%

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

#### Santa Rosa Campus

Discipline	X2010	F2010	S2011	X2011	F2011	S2012	X2012	F2012	S2013
Radiologic Technology	3.02	2.97	3.02	3.31	3.08	3.07	2.86	3.46	2.86

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

Discipline	X2010	F2010	S2011	X2011	F2011	S2012	X2012	F2012	S2013
Radiologic Technology	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	X2010	F2010	S2011	X2011	F2011	S2012	X2012	F2012	S2013
Radiologic Technology	3.83	3.81	3.69	3.71	3.79	3.72	3.75	3.50	3.33

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

Discipline	X2010	F2010	S2011	X2011	F2011	S2012	X2012	F2012	S2013
Radiologic Technology	3.61	3.26	3.30	3.63	3.34	3.32	3.39	3.49	3.00

## 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 2012-13 (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	2010-11	Percent	2011-12	Percent	2012-13	Percent	2013
	White	296	69.2%	314	69.8%	196	66.2%	
	Asian	22	5.1%	13	2.9%	9	3.0%	
	Black	7	1.6%	18	4.0%	13	4.4%	
	Hispanic	42	9.8%	38	8.4%	31	10.5%	
	Native American	2	0.5%	0	0.0%	0	0.0%	
	Pacific Islander	1	0.2%	2	0.4%	0	0.0%	
	Filipino	18	4.2%	15	3.3%	3	1.0%	
	Other Non-White	0	0.0%	0	0.0%	0	0.0%	
	Decline to state	40	9.3%	50	11.1%	44	14.9%	
	<b>ALL Ethnicities</b>	<b>428</b>	<b>100.0%</b>	<b>450</b>	<b>100.0%</b>	<b>296</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	2010-11	Percent	2011-12	Percent	2012-13	Percent	2013-14
	Male	156	36.4%	177	39.3%	129	43.6%	
	Female	270	63.1%	273	60.7%	167	56.4%	
	Unknown	2	0.5%	0	0.0%	0	0.0%	
	<b>ALL Genders</b>	<b>428</b>	<b>100.0%</b>	<b>450</b>	<b>100.0%</b>	<b>296</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	2010-11	Percent	2011-12	Percent	2012-13	Percent	2013-14
	0 thru 18	7	1.6%	4	0.9%	2	0.7%	
	19 and 20	23	5.4%	15	3.3%	16	5.4%	
	21 thru 25	122	28.5%	147	32.7%	78	26.4%	
	26 thru 30	100	23.4%	78	17.3%	52	17.6%	
	31 thru 35	40	9.3%	61	13.6%	45	15.3%	
	36 thru 40	25	5.8%	24	5.3%	15	5.1%	
	41 thru 45	37	8.6%	38	8.4%	29	9.8%	
	46 thru 50	52	12.1%	59	13.1%	24	8.1%	
	51 thru 60	22	5.1%	24	5.3%	34	11.5%	
	61 plus	0	0.0%	0	0.0%	1	0.3%	
	<b>ALL Ages</b>	<b>428</b>	<b>100.0%</b>	<b>450</b>	<b>100.0%</b>	<b>295</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 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 requesting a presentation on the profession of radiologic technology.

## 5.10 Alignment with Transfer Institutions (Transfer Majors ONLY)

The program prerequisites are articulated with nine other community colleges.

## 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.

## **5.11b Academic Standards**

The program academic standards are strictly adhered to the Joint Review Committee on Education in Radiologic Technology, as condition of the program accreditation continuing requirements. These academic standards must be continually maintained and reported as the program mid-term report in May 2011.

The JRCERT has scheduled their periodic site visit with our program scheduled for December 2014. Accordingly, the program director has prepared and submitted the self study.

### 6.1 Progress and Accomplishments Since Last Program/Unit Review

Rank	Location	SP	M	Goal	Objective	Time Frame	Progress to Date
0001	Santa Rosa	03	05	Additional clinical site affiliation	More clinical placements required for student internship	Ongoing	We have added one clinical site, and are in the process of negotiating with others as new sites, or our present sites to accept more students on a daily basis.

## 6.2a Program/Unit Conclusions

Location	Program/Unit Conclusions
Santa Rosa	Course and program SLOs have been analyzed and reported effective X 2014. This is an ongoing process
Santa Rosa	Employment of Rad Tech is expected to grow by 28% between 2010-2020, faster than the average for all occupations. (Bureau of Labor Statistics)  We desire a mobile fluoroscopy unit (C-Arm) which will cost approximately \$60,000. Obviously, we will seek donations if possible from the local hospitals.  Other and more immediate needs include updating and providing routine maintenance for our x-ray room installation, and the addition of clinical sites affiliating with our program for student clinical internship placements.

## 6.2b PRPP Editor Feedback - Optional

The Rad Tech program has accepted 20 students starting the fall of 2014. The JRCERT and ARRT will require an associate degree for 2015.

Employment of Rad Tech is expected to grow by 28% between 2010-2020, faster than the average for all occupations. (Bureau of Labor Statistics) Continued growth in the needs of the workforce will be considered in expanding this program over the next 2 years.

To facilitate the changing needs of the medical community the students need to be taught using the latest technology which includes a mobile X-Ray unit and a mobile fluoroscopy unit. Funding sources need to be identified for the purchase of these items.

Included in the budget request for Rad Tech is a fluoroscopy unit (D-Arm). This is vital to keeping current with the needs of the employers in the workforce. Other and more immediate needs include updating and providing routine maintenance for our x-ray room installation.

The Rad Tech classroom is not a smart classroom and needs to be updated. Videos and software are also over 10 years old and need to be updated.

Additional clinical sites affiliating with our program for student clinical internship placements are needed with the expansion to 20 students and having two full cohorts.

Course and program SLOs have been analyzed and reported effective fall 2014. This is an ongoing process on a 6 year cycle.

### 6.3a Annual Unit Plan

<b>Rank</b>	<b>Location</b>	<b>SP</b>	<b>M</b>	<b>Goal</b>	<b>Objective</b>	<b>Time Frame</b>	<b>Resources Required</b>
0001	Santa Rosa	01	05	Additional clinical site affiliation	More clinical placements required for student internship	2013	Additional radiologic technology departments with sufficient staff and motivation