

2019 CSUN RADIOLOGIC SCIENCES OUTCOME ASSESSMENT PLAN

Data collection January 2019 – December 2019

MISSION STATEMENT

The mission of the California State University, Northridge baccalaureate Radiologic Sciences Program is to provide the community with a competent, professional Radiologic Technologist who possesses additional advanced medical imaging skills in Magnetic Resonance Imaging (MRI), Computed Tomography (CT), and Interventional Radiography (IR) that meet the needs of the medical imaging community through a highly integrated and advanced level clinical and academic curriculum.

Program's Goals (overall student learning Outcomes)

Graduates of the Radiologic Sciences Program at California State University, Northridge will:

1. Demonstrate a mastery of basic radiographic and advanced medical-imaging skills in MRI, CT, and IR.
2. Demonstrate effective communication skills that provide compassionate, culturally competent and age-appropriate patient care.
3. Demonstrate problem-solving/critical thinking skills that provide ethical and safe patient care.
4. Demonstrate the value of professional development for patient care and medical imaging through life-long learning that meets the needs of the medical imaging community.
5. Maintain program effectiveness through continual assessment.

(GOAL) 1. Demonstrate a mastery of basic radiographic and advanced medical-imaging skills in MRI, CT, and IR.

Outcomes Measured	Assessment Tool(s)	Timetable	Benchmark	Person / Group Responsible
<p>Graduates will produce diagnostic quality Radiographic, CT, MRI and IR images.</p>	<p>Clinical Competency Assessment form (CCA) is used to assess the students in obtaining diagnostic quality radiographic, CT, MR and Interventional Radiography images. <i>(The CCA is used for each student to attain competency for procedures and to attain proficiency through re-competency assessment beginning in their senior year and for terminal competency assessment in their graduating senior clinical education. The following components of the CCA are used for outcome assessment.)*</i></p>			
	<p>CCA-Section II (Technical Requirements/Patient Positioning and Radiation Protection) Items 1-15</p>	<p>Each semester for every competency **</p>	<p>Section II ≥ 27 pts for Juniors Section II ≥ 30 pts for Seniors & Graduating Seniors</p>	<p>Clinical Coordinators</p>
	<p>Exit Interview Questionnaire Item # 9</p>	<p>Annually</p>	<p>75% of graduates respond that they are prepared or somewhat prepared in advanced imaging areas of CT, MR and IR</p>	<p>Program Faculty</p>
	<p>Exit Interview Questionnaire Item #8 Do you feel prepared clinically to enter the Radiologic Sciences field?</p>	<p>Annually</p>	<p>85% of graduates will report they are prepared or very prepared to enter the Radiologic Sciences field.</p>	<p>Program Faculty</p>

*Clinical Competency Assessment Forms

**Clinical Competency Assessment Schedule

Graduates provide appropriate radiation protection during imaging procedures.	Clinical Competency Assessment form (CCA) is used to assess the students' ability to provide appropriate radiation protection during imaging procedures.	Annually		
	CCA-Section IV (Radiation Protection) Items 1 – 4	Each semester for every competency**	Section IV ≥ 8 pts for Juniors Section IV = 8 pts for Seniors & Graduating Seniors	Clinical Coordinators
	HSCI 285 and HSIC 286 Radiographic Anatomy & Positioning I and II, students are assessed on radiation protection as part of their final practical exam.	Junior year Fall and Spring semester	85% of students will practice proper radiation protection. Passing score of 75% or better on the radiation protection section of the final practical exam.	Program Faculty

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GOAL 2. Demonstrate effective communication skills that provide compassionate, culturally competent and age-appropriate patient care.

Outcomes Measured	Assessment Tool(s)	Timetable	Benchmark	Person / Group Responsible
Graduates will communicate effectively with patients in an age appropriate, culturally diverse and compassionate manner.	Clinical Competency Assessment form (CCA) is used to assess the student's ability to communicate with patients in an age appropriate manner during imaging procedures. CCA-Section I (Patient care and Communication) Items 1 to 10	Each semester for every competency **	Section I ≥ 18 pts for Juniors Section I ≥ 20 pts for Seniors & Graduating Seniors	Clinical Coordinators
	Affective assessment items # 14, 18, 19	Each clinical rotation	Item 14, 18, 19 ≥ 6 pts for Juniors Item 14, 18, 19 ≥ 7 pts for Seniors & Graduating Seniors	Clinical Coordinators
	HSCI 487: Professional Development of Radiographers course, examination items that assess effective cultural diversity skills.	Senior year Spring semester	Average score of 80% on the assessment items on the final examination	Program Faculty
Graduates will demonstrate effective professional communication.	HSCI 487: Professional Development of the Radiographer, professional presentation to the class on a topic related to Radiologic Sciences.	Senior year Spring semester	Average score of 80% on the assessment item	Program Faculty

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	HSCI 486A Seminar: Advances in Radiologic Imaging I. Each student independently develops a topic related to radiologic sciences in either a scientific display or research paper assignment.	Junior year Spring semester	Average score of 80% on the assessment item	Program Faculty
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GOAL 3. Demonstrate problem-solving/critical thinking skills that provide ethical and safe patient care.

Outcomes Measured	Assessment Tool(s)	Timetable	Benchmark	Person / Group Responsible
Graduates will have critical thinking/ problem-solving skills.	HSCI 285 or HSCI 286 - Critical Thinking Scenarios in Radiographic Anatomy and Positioning courses.	Junior year Fall semester	80% successfully analyze and solve the scenarios presented	Program Faculty
Graduates will have critical thinking/ problem-solving evaluation appropriate to medical imaging and safe patient care.	HSCI 284: Clinical Education V, students are to compose a professional research paper on a specific clinical case study based on a clinical education experience.	Senior year Spring semester	80% total score on assessment	Program Faculty
Graduates will have critical thinking/ problem-solving evaluation appropriate to patient safety/ ethical care.	HSCI 483A –Critical thinking and scenario related on course assessments. Contrast related, appropriateness of exam, patient history, infiltrate, etc..	Graduating Senior year Fall semester	Average score of 80% on the assessment items on the examinations/assignments	Program Faculty

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GOAL 4. Demonstrate the value of professional development for patient care and medical imaging through life-long learning that meet the needs of the medical imaging community.

Outcomes Measured	Assessment Tool(s)	Timetable	Benchmark	Person / Group Responsible
Students in the professional program participate in at least one professional conference.	Seminar attendance records and short educational summary paper	After each conference	70% of students will participate and write an overview of what they learned at a continuing education conference/speed mentoring event. 20% of students who participate via submissions, publications, scientific displays, oral presentations	Program Faculty
Students will complete all program requirements within 150% of the professional program length.	Student transcripts	Annually	80% of the students starting the program will complete the program	Program Faculty
Students will obtain ARRT advance certification within one year.	One-year post graduate survey	Annually	30% will have advance certification within one year after program completion	Program Faculty

GOAL 5. The Radiologic Sciences Program at CSUN shall maintain program effectiveness through continued assessment.

Outcomes Measured	Assessment Tool(s)	Timetable	Benchmark	Person / Group Responsible
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 **Clinical Competency Assessment Schedule

Each cohort of graduates will pass the national ARRT exam the first time.	ARRT exam report	Annually	100% pass rate	Program Faculty
Each cohort of Graduates will have averaged a score or 85% per class for the national ARRT exam.	ARRT exam report	Annually	85% average per class	Program Faculty
Graduate’s employers will report that they were ready to perform in the medical imaging environment after one year of employment.	One-year employer assessment tool <ul style="list-style-type: none"> ▪ Likert Scale of 10 	Annually	8 out of 10	Program Faculty
Graduates who are actually seeking employment in medical imaging upon graduation will have ≥75% employment rate within 12 months of graduation.	One-year post graduate survey and web base electronic survey, Survey Monkey	Annually	75%	Program Faculty
Graduates are employed in advanced imaging positions.	One-year post graduate survey and web base electronic survey, Survey Monkey	Annually	Three months postgraduate ≥ 35% advanced imaging employment	Program Faculty
Graduate Satisfaction	Exit Interview	Annually	90% of students satisfied with their education.	Program Faculty

*Clinical Competency Assessment Forms

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