MASTER OF SCIENCE IN RADIOLOGIC SCIENCES

The goals of the program are accomplished through hybrid courses (face-to-face and on-line), seminars, independent study, cooperative learning groups, individual and group assignments and projects that emphasize a practical application of theory to the imaging environment. On-campus courses are scheduled twice a semester during the Fall and Spring semesters.

The 36-hour program of study consists of professional core requirements. A portion of the core requirement is the completion of a Master's thesis, a practical application of knowledge and research.

I. MISSION
Program Mission and Learning Outcomes

Program Mission

To support the University, the Dumke College of Health Professions, and the Department of Radiologic Sciences, the mission of the Master of Science in Radiologic Sciences program is to extend the professional knowledge, skills, and attitudes of imaging professional, including those in medical facilities, research labs, industry, and higher education. The program is designed to advance the theoretical and practical applications of imaging of the cardiovascular system.

Simply stated: We provide the best: the best education for our students, the best support for our faculty, the best resources for our healthcare partners, and the best partnership with our community.

Program Goals

The Master of Science in Radiologic Sciences (MSRS) program is founded on the following concepts, (a) program outcomes are based on national and state standards and grounded in current theory and best medical practice, (b) structured to foster understanding, collaboration, and clinical and/or applied research, and (c) geared toward increasing student achievement and research in Radiologic Sciences. The components, understanding, collaboration, and research, serve as a framework for organizing course work and program development. The goals of the curriculum reflect an emphasis on preparing technologists.

Weber State University Mission

Weber State University provides associate, baccalaureate and master degree programs in liberal arts, sciences, technical and professional fields. Encouraging freedom of expression and valuing diversity, the university provides excellent educational experiences for students through extensive personal contact among faculty, staff and students in and out of the classroom. Through academic programs, research, artistic expression, public service and community-based learning, the university serves as an educational, cultural and economic leader for the region. (approved by Board of Regents July 2011)

Weber State University Core Values

- Learning through personalized experiences and shared inquiry
- Engagement in community
- Access and opportunity for all
- Respect for people and ideas
- Nurturing the potential within every individual
WSU will...
- Welcome traditional and nontraditional students and foster an engaging and supportive campus culture which promotes retention, graduation and next step success.
- Build outstanding programs that recruit motivated students and foster a vibrant level of scholarly activity.
- Expand offerings through development of multiple campuses and innovative uses of technology.
- Diversify and increase external funding for the university through shared responsibility at university, college and program levels.
- Recruit and retain talented faculty and staff who embrace the mission and vision of the university.
- Promote the dual-mission aspect of the WSU brand.

In support of the Weber State University five core values, the Master of Science in Radiologic Sciences has established the following:

1. Learning through personalized experiences and shared inquiry, the MSRS program will:
   - provide learning opportunities for students through a variety of instructional methodologies in multiple settings;
   - identify essential knowledge and skills for imaging graduate students;
   - engage students through a variety of strategies to ensure growth in knowledge, learning processes and research skills;

2. Engaged in the community, the MSRS program will:
   - provide appropriate technologies in order for graduate students to access, gather, organize, and present information related to clinical, educational and professional research.

3. Providing access and opportunity for all, the MSRS program will:
   - assist and support graduate students in professional development and research to improve clinical based research and foundational professional research;
   - provide student orientation to community/campus support services.

4. Respect for people and ideas, the MSRS program will:
   - promote the recruitment and support of students from diverse backgrounds;
   - promote the recruitment and support of faculty from diverse backgrounds;
   - promote appropriate professional behavior, ethics, diversity, and respect for self and others.

5. Nurturing the potential within every individual, the MSRS program will:
   - assist and encourage faculty and graduate students to develop collaborative relationships with other professionals;
   - support and assist with scholarship and grant writing;
   - provide appropriate, accurate, and timely advisement for students within the program;
   - provide funding for faculty, staff, and graduate students in professional growth and scholarship-related activities.
II. CURRICULUM, ENROLLMENT, AND STUDENTS

a. Program Description

i. Include a summary of degree requirements.

Credit Hour Requirements: A total of 36 credit hours are required.

Grade Requirements: All required courses must be completed with a grade of ‘B’ or higher; The maximum time for completion of the degree, including thesis will be two years. If the maximum time is exceeded, the student must petition to the program director for an extension.

ii. Include a list of course titles and numbers.

MSRS 6100: Research Methods (3)
MSRS 6120: Research and Statistics (3)
MSRS 6130: Functional Hemodynamics (3)
MSRS 6140: Clinical Laboratory Correlation (3)
MSRS 6200: Health Behavior and Managerial Epidemiology (3)
MSRS 6443: Clinical Pathways (3)
MSRS 6450: Managing Health Information (3)
MSRS 6463: Problem Patient Management (3)
MSRS 6473: Vascular Non-Invasive Imaging Procedures (3)
MSRS 6863: Vascular Invasive Imaging Procedures (3)
MSRS 6900: Capstone: Clinical Fellowship & Portfolio (3)
MSRS 6999: Master’s Thesis in Radiologic Sciences (3)

iii. Web address for WSU catalog page AND any program webpages, which provide a description of the program’s curriculum, degree requirements, and course descriptions.

http://catalog.weber.edu/preview_program.php?catoid=2&poid=712
http://weber.edu/msrs
http://weber.edu/msrs/courses.html

b. Evidence of Ongoing Demand for the Program

i. Enrollment History

Number of majors for current and last five academic years.

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>21</td>
<td>38</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Faculty to student ratio across program curriculum for current and last five academic years.

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td></td>
<td></td>
<td></td>
<td>??</td>
<td>??</td>
</tr>
</tbody>
</table>

ii. Number of graduate courses offered for the last five academic years.

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>3</td>
<td>6</td>
<td>3</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>Spring</td>
<td>3</td>
<td>6</td>
<td>3</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>Summer</td>
<td>3</td>
<td>6</td>
<td>3</td>
<td>6</td>
<td>6</td>
</tr>
</tbody>
</table>
iii. Mean course enrollment per semester

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>-----</td>
<td>-----</td>
<td>-----</td>
<td>21</td>
<td>15</td>
</tr>
<tr>
<td>Spring</td>
<td>-----</td>
<td>-----</td>
<td>-----</td>
<td>21</td>
<td>18.5</td>
</tr>
<tr>
<td>Summer</td>
<td>-----</td>
<td>-----</td>
<td>-----</td>
<td>-----</td>
<td>-----</td>
</tr>
</tbody>
</table>

iv. Average time to degree completion (months) during last five academic years:

2 years/4 semesters

v. Admission, enrollment, and degrees awarded during the last five academic years.

<table>
<thead>
<tr>
<th></th>
<th>New Applications</th>
<th>Admitted Applicants</th>
<th>Selectivity (%)</th>
<th>Applicants Enrolled</th>
<th>Yield (%)</th>
<th>Matriculated Students</th>
<th>Matriculated International Students</th>
<th>Number of Graduates</th>
</tr>
</thead>
<tbody>
<tr>
<td>2007-08</td>
<td>-----</td>
<td>-----</td>
<td>-----</td>
<td>-----</td>
<td>-----</td>
<td>-----</td>
<td>-----</td>
<td>-----</td>
</tr>
<tr>
<td>2008-09</td>
<td>-----</td>
<td>-----</td>
<td>-----</td>
<td>-----</td>
<td>-----</td>
<td>-----</td>
<td>-----</td>
<td>-----</td>
</tr>
<tr>
<td>2009-10</td>
<td>-----</td>
<td>-----</td>
<td>-----</td>
<td>-----</td>
<td>-----</td>
<td>-----</td>
<td>-----</td>
<td>-----</td>
</tr>
<tr>
<td>2010-11</td>
<td>24</td>
<td>24</td>
<td>100%</td>
<td>21</td>
<td>87.5%</td>
<td>21</td>
<td>0</td>
<td>N/A</td>
</tr>
<tr>
<td>2011-12</td>
<td>26</td>
<td>25</td>
<td>96.2%</td>
<td>17</td>
<td>68%</td>
<td>17</td>
<td>2</td>
<td>21</td>
</tr>
</tbody>
</table>

vi. List any standardized test scores that are required for admission to the program (GRE, GMAT, etc.). Are these scores waived under certain circumstances? Explain.

The MSRS program does not require any standardized test scores for admission.

vii. List all forms of English-language competency tests or coursework (and minimum scores) required of international applicants.

Unless a bachelor’s degree is received from a regionally-accredited college or university within the United States, an international student must submit a minimum score from one of the following:

- **Test of English as a Foreign Language (TOEFL):** Score of 550 (paper-based) or 213 (computer-based)
- **International English Language Testing System (IELTS):** 6.5 overall combined-band score

viii. Enrollment Projections – Briefly describe enrollment patterns and factors influencing demand for the degree for the recent past and over the next few years.

The Department of Radiologic Sciences would like to ideally enroll an average of 25 students annually. The number of applicants decreased in the second year primarily due to difficult economic times. However, with an aging population of radiologic sciences educators and managers, as well as increased marketing of the program we expect the program to increase significantly.

ix. Describe relations with community/external stakeholders (e.g. advisory boards, etc.)

We have an excellent relationship with our stakeholders. Below are the positions that the first graduating class are employed in:

<table>
<thead>
<tr>
<th>Position Title</th>
<th>Employer</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Radiologist Assistant</td>
<td>Cleveland Clinic</td>
<td>Cleveland, OH</td>
</tr>
<tr>
<td>Radiologist Practitioner Assistant and Radiology Supervisor</td>
<td>Cherokee Nation Health Care Systems</td>
<td>Oklahoma</td>
</tr>
</tbody>
</table>
## Student Profile

### i. Provide information on the entering class for the last five academic years.

<table>
<thead>
<tr>
<th></th>
<th>Average GRE</th>
<th>Average GMAT</th>
<th>Average Undergrad GPA</th>
<th>Average Age</th>
<th>Average Post-Undergrad Work Exper. (months)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011-12</td>
<td>N/A</td>
<td>-----</td>
<td>3.66</td>
<td>35.7</td>
<td>34</td>
</tr>
<tr>
<td>2010-11</td>
<td>N/A</td>
<td>-----</td>
<td>3.51</td>
<td>35.4</td>
<td>69.38</td>
</tr>
<tr>
<td>2009-10</td>
<td>-----</td>
<td>-----</td>
<td>-----</td>
<td>-----</td>
<td>-----</td>
</tr>
<tr>
<td>2008-09</td>
<td>-----</td>
<td>-----</td>
<td>-----</td>
<td>-----</td>
<td>-----</td>
</tr>
<tr>
<td>2007-08</td>
<td>-----</td>
<td>-----</td>
<td>-----</td>
<td>-----</td>
<td>-----</td>
</tr>
</tbody>
</table>

### ii. Top five undergraduate majors represented.

1. Radiology Practitioner Assistant/Radiologist Assistant
2. Magnetic Resonance Imaging
3. Diagnostic Medical Sonography
4. Advanced Radiologic Sciences
5. Nuclear Medicine

### iii. Top five employers pre- and/or post-graduation.

1. Intermountain Healthcare
2. Weber State University, Ogden Regional Medical Center, Cleveland Clinic, Cherokee Nation Health Systems, Bell Memorial Hospital, University of Texas Medical School, Diagnostic Imaging Associates, Inc., Hospital Corporation of America, Peacehealth, Lakeland Radiologists, National Jewish Hospital, Carlton Harrison Clinic, Tooele Valley Imaging, Utah Imaging, Amerinet, Mercy Regional Medical Center, Suffolk Medical Imaging, Quantum Imaging, King Abdul University

iv. Most common career fields represented.
Radiology Practitioner Assistant, MRI Technologist, Diagnostic Medical Sonographer, Nuclear Medicine Technologist, Radiologic Technologist

v. Does your program provide career placement services? Explain.
Career placement services are currently not offered, as enrolled students are currently employed in the field and study in the MSRS program for professional development in management, research, and clinical experience.

vi. List any recent awards, honors, or recognition received by students.


2012 Department of Radiologic Sciences named Best Radiologic Sciences Training program

III. TEACHING
a. Faculty (Attach a CV for each)

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Academic Home</th>
<th>Tenure, Contract, Adjunct, etc.</th>
<th>2007-08</th>
<th>2008-09</th>
<th>2009-10</th>
<th>2010-11</th>
<th>2011-12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Christensen, Rex</td>
<td>Assistant Professor</td>
<td>RS</td>
<td>Tenure Track</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Eberle, Paul</td>
<td>Chair/Professor</td>
<td>REST</td>
<td>Tenure</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Hanson, Kami</td>
<td>Assistant Professor</td>
<td>DH</td>
<td>Tenured</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Jurkiewicz, Terri</td>
<td>Assistant Professor</td>
<td>RS</td>
<td>Tenure</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Kawamura, Diane</td>
<td>Distinguished Professor</td>
<td>RS</td>
<td>Tenure</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Neville, Casey</td>
<td>Assistant Professor</td>
<td>RS</td>
<td>Tenure Track</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Nolan, Tanya</td>
<td>Assistant Professor</td>
<td>RS</td>
<td>Tenure Track</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Shaw, Patricia</td>
<td>Chair/Associate Professor</td>
<td>HAS</td>
<td>Tenure</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Simonian, Yasmen</td>
<td>Dean, DCHP</td>
<td>DCHP</td>
<td>Tenured</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Walker, Robert</td>
<td>Chair/Professor</td>
<td>RS</td>
<td>Tenure</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
</tbody>
</table>

b. Faculty Qualifications Required (e.g. degree, professional experience, etc.)
All faculty have a Master’s degree or higher with clinical and research expertise.

c. Faculty Compensation
i. Overload per course: $3,500.00
   Is this adjusted for enrollment? No

   Explain.
   Faculty in the Department of Radiologic Sciences teach courses as load. Adjunct Faculty are currently paid $3,500.00 per course which is consistent with other Master’s programs in the Dumke College of Health Professions.
ii. Departmental cost per course (if any) associated with in-load teaching. (e.g. supplemental pay, replacement adjunct hires, etc.):
There have been no additional costs.

iii. Percentage of graduate courses taught in most recent academic year.
   In-load: 75%
   Overload: 25%

iv. Describe the faculty compensation model for thesis advising, directed study, supervision of student consulting projects/internships, etc.
   Currently there is no compensation for faculty advising, it is all on-load teaching assignments. As the program grows and develops then this will need to be revisited.

d. Teaching/Research Assistance Program
   i. Do you have any such program, and if so, please describe in terms of number of assistantships, teaching responsibilities, mentoring and training for TAs.
      Graduate assistants have been hired to assist in undergraduate labs, clinical education and computer assistance.

   ii. How is it funded?
      Teaching assistants are currently funded using lab fees and other un-allotted monies.

   iii. Is it useful for recruiting?
      Not for the most part. All the graduate students are currently working full time in healthcare.

   iv. Are there plans to expand it?
      No. Currently one or two are meeting the department needs.

e. Academic Advising
   Describe advising responsibilities and how students are advised.
   A program advisor will be appointed by the department chair from all graduate faculty in the department (i.e., those holding terminal degrees in their field). All MSRS candidates must consult the Program Advisor at least once a semester. The Radiological Sciences Department Chair will serve as chair of the advisement committee, which will comprise all graduate Radiologic Sciences faculty. Continued program evaluation and improvement, especially in the first three years, will assure a high quality program that meets student needs. Also, student needs and success will be monitored continuously throughout the program.

IV. RESOURCES

a. Facilities
   Describe physical space, teaching location(s), specialized labs, and/or other facilities utilized by the program.
   All courses are currently conducted on the main WSU campus in the Department of Radiologic Sciences. Currently the classrooms, labs and student advisement office are adequate to meet our needs.
b. **Program Funding** *(FY12 ‘Original Budget’ General Fund Categories)*

- **Total Staff Salaries:** $108,238.00
- **Total Instructional Wages:** $26,227.00
- **Total Current Expense:** $10,000.00
- **Total Expense:** $145,265.00

c. **Support Staff**

i. List all support staff associated with the program (director, enrollment director, secretary, etc.), and describe the responsibilities and amount of time associated with each position.

- **Program Director:** Robert J. Walker, PhD, RT(R)(MR)(CT)(QM) FASRT
- **Enrollment Director:** Lonnie Lujan, MEd
- **Secretary:** Lori Frederiksen

ii. Are support staff dedicated to the graduate program or shared?

Lonnie Lujan is dedicated to the graduate program. Robert J. Walker and Lori Frederiksen are shared with Radiologic Sciences’ graduate and undergraduate programs.

d. **Recruitment/Promotion**

*List recruitment activities and associated costs (printing, advertising, staff time, etc.).*

### 2012-2013 AY RECRUITMENT

#### MSRS RECRUITING EVENTS

<table>
<thead>
<tr>
<th>Date</th>
<th>Fair and/or Event</th>
<th># of Students</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/29/2012</td>
<td>National Council on Undergrad Research</td>
<td>2</td>
</tr>
<tr>
<td>9/26/2012</td>
<td>WSU Graduate Fair</td>
<td>4</td>
</tr>
<tr>
<td>10/2/2012</td>
<td>SUU Graduate Fair</td>
<td>7</td>
</tr>
<tr>
<td>10/10/2012</td>
<td>Boise State Graduate Fair</td>
<td>4</td>
</tr>
<tr>
<td>10/12/2012</td>
<td>Idaho State Graduate Fair</td>
<td>11</td>
</tr>
<tr>
<td>04/20-27/2013</td>
<td>International Society for Magnetic Resonance in Medicine (ISMRM) Annual Meeting</td>
<td></td>
</tr>
<tr>
<td>06/13-14/2013</td>
<td>American Society of Radiologic Technologists (ASRT) Meeting - Albuquerque, NM</td>
<td></td>
</tr>
<tr>
<td>07/11-12/2013</td>
<td>Association of Educators in Imaging and Radiologic Sciences (AEIRS) Annual Meeting</td>
<td></td>
</tr>
</tbody>
</table>

**TOTAL** 35

#### MSRS MAILINGS

<table>
<thead>
<tr>
<th>Date</th>
<th>Who</th>
<th># of Students</th>
</tr>
</thead>
<tbody>
<tr>
<td>5/15/2012</td>
<td>RS Graduates Fall 1997 - Fall 2011</td>
<td>459</td>
</tr>
<tr>
<td>5/29/2012</td>
<td>RS Graduates Spring 2012</td>
<td>42</td>
</tr>
<tr>
<td>11/19/2012</td>
<td>BSRS Programs/Career Centers</td>
<td>49</td>
</tr>
</tbody>
</table>

**TOTAL** 550

e. **Resource Support**
Is the program adequately supported in terms of resources? Explain.
The program will need in the future additional support in faculty lines and office space.

V. ASSESSMENT INFORMATION
   a. Program Review
      i. List any recent or upcoming reviews (Utah Board of Regents, Northwest Accreditation, external accrediting bodies, etc.).
         This is the three year Utah Board of Regents Review.
      ii. Briefly summarize the most significant findings of the most recent review.
         New program; first review.
      iii. Indicate what corrective actions, if any, have been implemented since the last review.
         N/A

   b. Strengths and Weaknesses
      i. Identify strengths and weaknesses of the program.
         **Strengths**
         - Clinical-based curriculum
         - Dedication of faculty and staff
         - Strong undergraduate programs at Associate and Bachelor levels
         - Strong support from community partners
         - Collaborative student working groups
         - Diverse student population

         **Weaknesses**
         - Current program is focused on cardiac imaging
         - Need for additional faculty and resources
         - Non-focused research agenda
         - Lack of funding for graduate research and publication assistance

      ii. Describe institutional and departmental plans for enhancing strengths and ameliorating weaknesses.
         **Enhancing strengths**
         - Expand the course offerings
         - Hire new faculty as appropriate
         - Continue to expand partnerships around the country
         - Expand student recruitment for a diverse student population

         **Ameliorating Weaknesses**
         - Expand electives to include orthopedics and women & children imaging
         - Create a style guide to be used by student and faculty
         - Create an elective course in grant writing
         - Try to identify funding courses for graduate research
c. Program Assessment Plan

i. Attach a copy of the program’s assessment plan and explain findings.

All courses in the graduate and undergraduate programs are assessed on the six professional categories listed across the table. The MSRS program builds upon the professional knowledge and certification(s) that a student acquired during undergraduate education. The MSRS program was developed to increase Radiologic Sciences professional knowledge in research and writing to increase the foundation of knowledge that is lacking in the profession. Additionally, the program is preparing students to assume leadership roles in healthcare facilities and educational programs. Artifacts from each class listed below are collected to assist the student with developing the necessary competencies and allow for further course development. With only one graduating class at this time we will some time to further evaluate the overall effectiveness of the program. We are however quite pleased with the job place and student input from the first graduating class.

<table>
<thead>
<tr>
<th>Patient Care and Education</th>
<th>Professional Development and Research</th>
<th>Biologic Effects and Safety</th>
<th>Clinical Competency and Medical Ethics</th>
<th>Procedures, Anatomy and Pathophysiology</th>
<th>Instrumentation and Quality Control</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSRS 6120</td>
<td>MSRS 6100</td>
<td>Undergraduate skill</td>
<td>MSRS 6900</td>
<td>MSRS 6130</td>
<td>MSRS 6450</td>
</tr>
<tr>
<td>MSRS 6130</td>
<td>MSRS 6120</td>
<td></td>
<td>MSRS 6140</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MSRS 6443</td>
<td>MSRS 6200</td>
<td></td>
<td>MSRS 6473</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MSRS 6463</td>
<td>MSRS 6999</td>
<td></td>
<td>MSRS 6863</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

ii. If the program has or is seeking external/professional accreditation (aside from Northwest), describe the special requirements involved (reporting, data collection, curriculum, etc.). Describe any opportunities/challenges/constraints for the program associated with this accreditation.

N/A

iii. List all program assessment metrics (direct and indirect measures), such as student learning outcomes, exit surveys, graduate placement, and/or employer satisfaction surveys.

We will collect the following information on indirect measurements of student learning:

- Graduates employment
- Employer surveys reporting on their impressions of Weber State graduates they employ
- Graduate surveys reporting on their experiences in the program
- Regular institutional program review
- Advisory board review
- Student course evaluations
- Student exit evaluations
- Collection of student artifacts of learning

The direct measurement of student learning will be measure in the MSRS 6900: Capstone: Clinical Fellowship & Portfolio, each of the six competencies listed above will be tested using course content from all other courses in the program. These evaluations will consist of case studies that will evaluate a student’s critical thinking skills as it relates to research, problem-solving, and professional practice.
patient management, appropriateness of imaging procedure, patient management and patient assessment.

iv. *Indicate how these findings have been used to initiate change and plan for program improvement. (Include a timeline)*
Since we have only have one graduating class at this time we are collecting foundation data that will be used to identify any weakness or trend that will need to addressed by the program.