

Great Basin College - Radiography

Standard One: Integrity

List the major strengths of this standard in order of importance

1. Strong collaboration with students to provide a quality educational experience. This is achieved by advising and open communication.
2. Commitment to the community and affiliated clinical sites. To ensure continued respect from the community our program participates in the Health Sciences and Human Services advisory board. The program also helped the students start a RAD student group which participates in student government, community fundraising and some of the students have gone to conferences to interact with other radiology students. Radiology faculty serve as RAD group faculty Adviser.
3. All students are treated with respect. There are multiple opportunities for students to communicate with program faculty. If there is a problem there are policies and avenues for the student to address these concerns with faculty, program director, Health Sciences and Human Services(HSHS) progression committee, GBC administration and JRCERT. These resources are available in the program handbook which is given to accepted students the first class meeting and is available online on our GBC web page for radiology technology.
4. All of the courses in the GBC program are internet enhanced or online. Because these courses have a distance education components, the faculty are committed to ensuring the integrity of the course. With this in mind we have submitted the human relation component of our program course(HMS200-Human Services Ethics) for Quality Matters review. After this course has finished the review the faculty will start submitting radiology program courses.

List the major concerns of this standard in order of importance

1. ARRT pass rates.
2. Decrease in professional development funding.
3. Graduate and employer survey returns.

Provide the program's plan for addressing each concern identified

Major areas of concerns action plans:

1. ARRT pass rate-To address the pass rate problem we administered mandatory Allied Health Testing, Comprehensive Review Book, and Correctec for ARRT board review. The 2013 graduates had 100% pass rate. With this pass rate result, the program is continuing to monitor and continue with the current procedures.
2. In the past GBC administration and the professional development committee has been very supportive of the HSHS department for professional development. At this time, due to the change in the budget funding formula for the State, GBC's budget has been reduced. Therefore, in the future HSHS needs to identify other resources for funding of professional development. HSHS is looking at grant possibilities.
3. Due to changes in the GBC Institutional Research Department, there has been some delay in returns of surveys. It was also noted since the surveys do not come from RT faculty the students don't always pay attention to the emails. The faculty has committed to ensure delivery of surveys and monitor the return rate. GBC has also started an alumni association to create a closer relationship to graduates. The RT department is investigating this process.

Describe any progress already achieved in addressing each concern

1. ARRT pass rate-The 2013 graduating class had 100% pass rate bringing our 5 year average to 79.3%. In 2009, the pass rate was 55% and will drop out of our 5 year average. The 2009 year was prior to JRCERT accreditation. With the success of the 2013 graduating class, the faculty will continue with the current action plan and continue to monitor.
2. Professional development funding-reviewing grant resources.

Describe any constraints in implementing improvements

None at this time.

Objective 1.1

Adheres to high ethical standards in relation to students, faculty, and staff.

The policies of the AAS Radiology Technology(RT) program are consistent with those of Great Basin College's and include additional policies and procedures which address specific radiology technology regulatory and curriculum standards.

Policies of the AAS RT program are created by the RT faculty in accordance with the standards of practice of the GBC college and the Health Sciences and Human Services Department. The AAS RT program faculty plays an active role in the GBC team to create a successful, positive environment for learning for the Radiology Technology student. The program handbook and policies are reviewed annually by the RT faculty. The GBC general catalog lists students resources and services starting on page 35. The program handbook and GBC general catalog are attached for your review.

The following items are provided to the students, faculty, community and general public:

1. The GBC college general catalog with policies is available to all students, faculty and community members on the GBC homepage at www.gbcnv.edu.
2. The AAS RT program handbook is given and reviewed with radiology students upon acceptance to the program and is available to everyone on our website at: <http://www.gbcnv.edu/programs/show.cgi?AAS-RT>
3. The GBC faculty handbook is available online at: <http://www.gbcnv.edu/faculty/facultyhandbook.html>
4. GBC policy and procedures is available online at: <http://www.gbcnv.edu/administration/policies.html>

[GBC General Catalog 2013.pdf](#)

[AAS RT Handbook 2013-2015.pdf](#)

Objective 1.2

Provides equitable learning opportunities for all students.

Every opportunity is made available to all students as described in the GBC Catalog for Resources and Services starting on page 35 to insure equitable learning experiences. The GBC catalog is attached for your review.

To provide equal opportunity to all potential radiology students, they are selected using a selection criteria worksheet. The selection criteria worksheet is available to all students, faculty and general public on the radiology program website under application information for review. It is also available in the radiology program handbook, page 20 and 21. The program handbook and application information packet is attached.

Once the radiology technology students have been accepted, the clinical rotations are chosen by a random draw at the first group meeting held prior to the beginning of the first semester of the program to provide an equitable opportunity to all. This policy listed below is available in the attached program handbook on page 37:

CLINICAL ROTATIONS

Please be aware that we are a rural community college. To accommodate enough students to make this program possible, we have affiliated with clinical sites out of the city of Elko. Each student will be in a rotation at Northeastern Nevada Regional Hospital or Banner Churchill Community Hospital and then two other sites. Students may not be at a clinical site for more than two rotations. The students will randomly draw for clinical rotation during the first semester of the program. There are three clinical rotations, two, eight-week durations and one, 16-week duration. It is up to the student to secure housing for their clinical rotation at the students cost. Please make plans for this. Do not leave this to the last minute. It is the student's responsibility to acquire and pay for housing.

Currently, we have one outpatient facility. All students who want to attend this site will be provided the same opportunity. Those interested students names will be placed in a hat and a random draw will be made for this site after the general draw for sites. This is to provide all students equitable opportunities.

[GBC General Catalog 2013.pdf](#)

[AAS RT Handbook 2013-2015.pdf](#)

[Application packet 2014.pdf](#)

Objective 1.3

Provides timely, appropriate, and educationally valid clinical experiences for each admitted student.

Students start their clinical rotations throughout Nevada starting in July at the beginning of the radiology students second year. These sites are chosen by a random draw per the policy found on page 37 of the program handbook and is typed below. The clinical rotations policy is the description of the Clinical Experiences found in the program handbook on page 35 and at the bottom of this page.

The student 1:1 ratio with radiography clinical staff is based on the JRCERT paperwork the affiliation site filled out and this ratio is reviewed during each clinical coordinator site visit. This is also discussed in the student journal requirements in RAD225, RAD226, and RAD227(clinical component of the program.)

Since the program start in the fall of 2006, there has never been a problem with the students being able to complete the competencies required for graduation from the program to sit for the ARRT boards and to have experience to start as an entry level radiology technologist. Each student is required to complete one rotation at either Northeastern Nevada Regional Hospital in Elko, Nevada or Banner Churchill Community Hospital/Banner Health in Fallon, Nevada. The program requires these rotation due to the larger size and variety of examinations. At this time, the clinical coordinator reviews the student's competencies during each visit and at the end of each clinical course. If there is a problem the faculty reviews the competency needed, the clinical site and the possibility of moving the student to another clinical site to obtain the needed requirements. This process would be a collaboration of the clinical coordinator, student and clinical sites.

The program uses the ARRT clinical competency requirement form to document competency completion, along with a rubric used for each clinical competency obtained. This form is on page 77-78 in the attached program handbook.

"CLINICAL ROTATIONS:(From Program Handbook, page 37)

Please be aware that we are a rural community college. To accommodate enough students to make this program possible, we have affiliated with clinical sites out of the city of Elko. Each student will be in a rotation at Northeastern Nevada Regional Hospital or Banner Churchill Community Hospital and then two other sites. Students may not be at a clinical site for more than two rotations. The students will randomly draw for clinical rotation during the first semester of the program. There are three clinical rotations, two, eight-week durations and one, 16-week duration. It is up to the student to secure housing for their clinical rotation at the students cost. Please make plans for this. Do not leave this to the last minute. It is the student's responsibility to acquire and pay for housing.

Currently, we have one outpatient facility. All students who want to attend this site will be provided the same opportunity. Those interested students names will be placed in a hat and a random draw will be made for this site after the general draw for sites. This is to provide all students equitable opportunities."

"CLINICAL EDUCATION EXPERIENCES(From Program Handbook, page 35)

Clinical instruction is provided in conjunction with classroom theory. This instruction is provided in various locations, such as local hospitals and clinics. Although most clinical experiences take place during the day, the student may be scheduled for other shifts as well outside the hours of 5am to 7pm. Each student will be provided equitable clinical learning experiences. The opportunity to work weekend or evening shifts will be available to all, but will not exceed 25% of the overall clinical experience accumulative time. The student is responsible for assuring that their individual work schedule does not conflict with clinical and didactic commitments. The program will NOT make adjustments to the clinical or didactic schedules to accommodate the student work, non-radiology classes or personal schedule."

[AAS RT Handbook 2013-2015.pdf](#)

[ARRT Competency Checklist.pdf](#)

[Elko Schedule.pdf](#)

[Clinical Site Rotation Schedule.htm](#)

Objective 1.4

Limits required clinical assignments for students to not more than 10 hours per day and the total didactic and clinical involvement to not more than 40 hours per week.

The clinical sites are chosen by a random draw at the beginning of the first year. Once the draw is completed the clinical coordinator sets up a rotation schedule. The schedules are then given to the clinical sites. The clinical sites suggest times and these are approved by the clinical coordinator to ensure the times, supervision, and the 1:1 student ratio are appropriate in regards to the policy. The students are required to document their work hours on an attendance form with is signed by the clinical site found on page 83 of the program handbook. The attendance form is reviewed at the clinical coordinator site visit and turned in after each clinical rotation for RAD225, RAD226, and RAD227 for grading. The attendance form is attached for your review. The clinical schedule for the students is reviewed with the clinical coordinator during site visits and prior to the students starting clinical rotation at each site. The following is the policy regarding clinical experiences. This is located in the program handbook which is given to the students at the beginning of the program start and to each clinical site annually.

"CLINICAL EDUCATION EXPERIENCES(From the Program Handbook, page 35)

Clinical instruction is provided in conjunction with classroom theory. This instruction is provided in various locations, such as local hospitals and clinics. Although most clinical experiences take place during the day, the student may be scheduled for other shifts as well outside the hours of 5am to 7pm. Each student will be provided equitable clinical learning experiences. The opportunity to work weekend or evening shifts will be available to all, but will not exceed 25% of the overall clinical experience accumulative time. The student is responsible for assuring that their individual work schedule does not conflict with clinical and didactic commitments. The program will NOT make adjustments to the clinical or didactic schedules to accommodate the student work, non-radiology classes or personal schedule."

[Attendance form 001.jpg](#)

Objective 1.5

Assures the security and confidentiality of student records, instructional materials, and other appropriate program materials.

The GBC General Catalog provides information regarding the retention and disposition of educational records. All primary files are maintained by the appropriate college department, such as, admission and records and financial records. Please see the attached GBC General Catalog, page 25, for policy information regarding student education records.

The administrative assistant has the files electronically for graduated students kept under lock and key in her office. A second copy is maintained in the controller's office safe in another building on campus. The Health Sciences Department adheres to the NSHE five year policy for the maintenance of radiology technology student records and files.

Program documents and current student program files are kept within the Program Directors office which is locked when the director is not in the office. The following policy is in the program handbook for public information regarding records.

"STUDENT RECORDS(From the Program Handbook, page 56)

1. A cumulative record on each student is kept in a secure area in the radiology technology department.
2. Records of individual student conferences will be read and signed by the student and instructor prior to this record becoming a part of the student's cumulative record.
3. Following each clinical rotation, the student and clinical instructor will review and sign the clinical evaluation form. This form then becomes a part of the permanent record.
4. Student files are protected under the Family Educational Rights and Privacy Act of 1974. See section on Family Educational Rights and Privacy Act in the GBC catalog."

As for current courses, they are all accessed through the college WebCanvas. WebCanvas is password protected for privacy. The radiology program has the following statement regarding WebCanvas privacy information:

"WEBCANVAS OR GBC CURRENT CLASS ONLINE ACCESS(From Program Handbook, page 57)

It is the intent of Great Basin College to ensure the privacy of our students. In the Radiology Technology program we do use internet enhancement for all our classes. The access to these classes is protected by a password to ensure privacy. If you are having problems with the access or have concerns about privacy and security, please contact the Help Desk at (775)753-2167."

[FERPA 003.jpg](#)

Objective 1.6

Has a grievance procedure that is readily accessible, fair, and equitably applied.

The GBC radiology program does have a policy in place for complaint and grievance procedures for students. We have not had any formal grievances from students. However, the program did have a clinical site remove a student from their site due to attitude. The clinical site's supervisor called the Program Director. The Program Director did ask the site to place the complaint in writing. After verbal investigation of the problem the Program Director and Clinical Coordinator assigned the student to another site. The incident occurred on the student's last day of clinical rotation at that site, so there was not any loss of clinical days for the student. This written complaint was never received, therefore it was decided not to formally counsel the student. The student was made aware of the problem and conclusion. It was determined there was a problem with the clinical sites direct supervision of students. The program decided at this time not to place students at this clinical site due to staffing. Please see attached letter to clinical site informing them of the current situation and offering the opportunity to address the problem.

This incident could have jeopardized the program's ability to have enough clinical sites for student placement, however, we are submitting paperwork to add two new clinical sites to help with this problem. Currently, we only have six students progressing to clinical rotation in July, so at this time there is not a need for more sites.

There have not been any complaints or formal grievances that would jeopardize the program's ability to meet its mission since the programs beginning in 2006.

[JRCERT STANDARD COMPLAINT POLICY.docx](#)

[HSHS Progression, Dismissal and Appeal Policies.docx](#)

[HSHS Grievance Procedure 001.jpg](#)

[Letter to Clinical Site, Carson.htm](#)

Objective 1.7

Assures that students are made aware of the JRCERT Standards for an Accredited Educational Program in Radiography and the avenue to pursue allegations of non-compliance with the STANDARDS.

The students are informed of the JRCERT standards at the first meeting of new students each fall when the program handbook is reviewed. The program goes over each policy in the program handbook and the students document the reading of the policies by a signature form. The website to JRCERT standards is included in the JRCERT standard complaint policy. The policy is attached and can be found in the program handbook on page 44.

On the program website a statement regarding JRCERT accreditation and the program effectiveness data is provided. A copy of the program website page is attached below.

The students also reviews JRCERT accreditation information in RAD112-Radiology Patient Care and Medical Terminology course taken in the first semester of the program.

[JRCERT STANDARD COMPLAINT POLICY.docx](#)

[RT Website Image 001.jpg](#)

Objective 1.8

Has publications that accurately reflect the program's policies, procedures, and offerings.

Program publications can be accessed through the radiology technology program website at:
<http://www.gbcnv.edu/programs/show.cgi?AAS-RT>

Attached is a copy of the website screen save to demonstrate the availability of program publications access. Other examples of our program publications is the application information, radiology flyer and program handbook. These are attached for your review.

[RT Website Image 001.jpg](#)

[Application packet 2014.pdf](#)

[Radiology Flyer 001.jpg](#)

[AAS RT Handbook 2013-2015.pdf](#)

Objective 1.9

Makes available to students, faculty, and the general public accurate information about admission policies, tuition and fees, refund policies, academic calendars, clinical obligations, grading system, graduation requirements, and the criteria for transfer credit.

Institutional policies regarding GBC admission procedures(page 16), tuition and fees(page 40), refund policy(page 42), academic calendar(page 5), college grading policy(page 51), graduation requirements(page 52), RT program requirements (page 112-113) and the criteria for transfer credits(page 22) can be found in the GBC general catalog found on the GBC website. The catalog is attached for your review.

For program specific information regarding radiology admission can be found in the application information found on the GBC RT website. It is attached for your review.

Clinical obligations can be found in the program handbook on pages 33-37which is reviewed with accepted students at the first meeting of the beginning semester. The handbook is attached for your review. Some information regarding clinical obligations can be found in the application information, but the full detail is in the program handbook.

[GBC General Catalog 2013.pdf](#)

[Application packet 2014.pdf](#)

[AAS RT Handbook 2013-2015.pdf](#)

Objective 1.10

Makes the program's mission statement, goals, and student learning outcomes readily available to students, faculty, administrators, and the general public.

The GBC program mission, goals and student learning outcomes are on the RT program website available to everyone, in the GBC general catalog(page 112-113) and in the program handbook. Attached you will find a screen save of the first part of the website showing the program mission, goals, learning outcomes, the general catalog and the program handbook. To see the website please visit: <http://www.gbcnv.edu/programs/show.cgi?AAS-RT>

All information regarding the program mission, goals, learning outcomes and how the program covers them is found in the program handbook starting on page 6. The program handbook is given and reviewed with all accepted radiology technology students at the beginning of the first semester, but is available to everyone on the program website(see attached website image) and are listed below for your review.

PROGRAM MISSION STATEMENT(Updated October 14, 2010 and reviewed annually):

The mission of Great Basin College's Associate of Applied Science Radiology Technology Program is to provide quality education to prepare the undergraduate Radiology Technology student for beginning practice in a variety of health care settings.

PROGRAM GOALS:

1. Students will be clinically competent.
2. Students will be able to communicate effectively.
3. Students will be able to critically think and problem solve.
4. Students will be able to develop professionally.

EXPECTED STUDENT LEARNING OUTCOMES:

The Radiology Technology Program graduate should be able to:

1. Students will be able to demonstrate clinical competency.
2. Students will be able to position patients for diagnostic quality images.
3. Students will be able to integrate ALARA practices for self, patients and others.
4. Students will be able to evaluate the final radiology image for essential criteria.
5. Students will be able to communicate effectively orally and in writing.
6. Students will be able to manipulate technique to accommodate for patient condition.
7. The graduating students will be able to demonstrate critical thinking skills.
8. Students will be able to describe professional avenues available to them.
9. Students will be able to demonstrate professionalism in the clinical setting.

[RT Website Image 001.jpg](#)

[GBC General Catalog 2013.pdf](#)

[AAS RT Handbook 2013-2015.pdf](#)

Objective 1.11

Documents that the program engages the communities of interest for the purpose of continuous program improvement.

The GBC Radiology Technology program participates in the following activities to receive feedback regarding the program and faculty:

1. Health Sciences and Human Services Advisory Board(Attached meeting minutes)
The advisory board meets once a semester. The radiology program submits a report for their review and is available at the meetings to answer questions. The program also has a student representative present.
2. Health Sciences and Human Services Department meetings(Attached meeting minutes)
-reviewed program effectiveness and report-(attached separately below)
The HSHS department meets monthly to review and discuss program and department issues.
3. Employer surveys(Attached survey)
4. Graduate surveys(Attached survey)
5. Course evaluations(Attached sample of IDEA student course evaluation summary)
Course evaluations are given to students at the end of each semester the courses are taught.
6. Faculty course assessment(Attached Sample)
Course assessment is completed each semester by faculty. The requirement is for each course to be evaluated once every five years. The program completes course assessment annually.
6. Faculty evaluation(Attached sample)

[Advisory Board Minutes for November 6 2013.doc](#)

[Advisory Board RAD Program Report.docx](#)

[RAD128 Assessment Spring 2013\(md\).doc](#)

[Department Minutes 9-16-13.docx](#)

[Course Eval 001.jpg](#)

[Faculty Eval Sample 001.jpg](#)

[Employer Survey 2013 \(1\).pdf](#)

[Graduate Rad Tech survey 2013 \(1\).pdf](#)

Objective 1.12

Has student recruitment and admission practices that are non-discriminatory with respect to any legally protected status such as race, color, religion, gender, age, disability, national origin, and any other protected class.

GBC Radiology Technology Program follows the GBC policy regarding discrimination. "GBC is guided by the principle that there shall be no difference in the treatment of persons because of a person's age, disability, whether actual or perceived by others, gender, military status or military obligations, sexual orientation, gender identify or expression, genetic information, national origin, race or religion and that equal opportunity and access to facilities shall be available to all." The full policy is attached for your review. The policy is found on page 25 of the GBC General Catalog.

The RT program admits students according to the application information(attached) and uses a selection criteria worksheet for admission(attached). The worksheet is completed by the program director to assure all needed documentation is present and then presented to the admission and progression committee for review and approval of selected students.

[Discrimination Policy 001.jpg](#)

[Application packet 2014.pdf](#)

[Application packet 2014.pdf](#)

Objective 1.13

Has student recruitment and admission practices that are consistent with published policies of the sponsoring institution and the program.

Great Basin College has an "Open Door" policy which is opportunity for all students who apply. "No one is excluded from the chance to succeed in college.(GBC General Catalog, page 16)"

The Radiology Technology(RT) Program is a limited entry program. The program accepts 12 students each year. The application deadline for submission is May 1 of every year. The program application information is available to all students on our website and is attached for your review.

The following is our program admission requirements found in the application information. The requirements are as listed below for your review. All documentation needs to be submitted by May 1 for acceptance into the radiology program for the following fall.

PROGRAM ADMISSION REQUIREMENTS

1. Completed GBC application.
2. Be 18years or older by the starting fall semester.
3. Please compile two copies of the following list of items in order. Mail one in a packet to the program and keep one for yourself. This packet is to be mailed to the office of Admissions. In the packet should be:
 - a. A letter of intent to apply to the program that is addressed to the Program Director, Mary Doucette, M.S.R.T.(R)(M)(MR)(CT)(QM). Make sure it is in letter format.
 - b. A brief resume'. Make sure you list any healthcare work experience. Please list your contact email.
 - c. High school transcripts, if you are not a current GBC student.
 - d. College transcripts(if not a current GBC student). These must be sent to admissions at GBC. You need to make sure these credits will transfer to GBC.
 - e. Up to three letters of recommendation. These should be sent directly to the Program Director by the person writing them. It would be beneficial to you to supply the person writing the letter with an addressed stamped envelope for them to mail the letter in.
 - f. A completed radiology program application. Must have birth date on it. This is for age verification.
 - g. Any current certifications or licensures as a health care professional, such as a RN, CNA, CPR, ect..
 - h. Health Care Professional proof of work history. Letter from your employer will work for this.
 - i. Copy of your driver license or ID.

Selection to the Radiology Program is based on the selection criteria worksheet found in the program handbook and the application information supplied on the program website. The application information is attached. The selection criteria worksheet can be found on page 6-7.

[RT Website Image 001.jpg](#)

[Application packet 2014.pdf](#)

Objective 1.14

Has program faculty recruitment and employment practices that are non-discriminatory with respect to any legally protected status such as race, color, religion, gender, age, disability, national origin, and any other protected class.

"Great Basin College (GBC), a member of the Nevada System of Higher Education (NSHE), is an Affirmative Action/Equal Employment Opportunity (AA/EEO) educational institution. It is guided by the principle that equal opportunity means more than equal employment opportunity, and that access to facilities and services shall be available to all people regardless of their race, age, religion, color, sex, sexual orientation, disability, or national origin. This principle is applicable to every member of the GBC/NSHE community, both students and employed personnel at every level, and to all facilities and services."

The above statement is the beginning of the GBC policy for Affirmative Action/Equal Employment Opportunity. The entire policy is attached for your perusal. This can be found by all persons on the GBC website for Human Resources:
<http://www.gbcnv.edu/searchgbc.html>

The GBC Radiology Technology Program adheres to the Nevada System of Higher Education, GBC policies for equal opportunities for employment and recruitment.

[HR Hiring Practice Policy.doc](#)

Objective 1.15

Has procedures for maintaining the integrity of distance education courses.

Great Basin College(GBC) prides themselves on the quality of their distance education because of the vastness of the service area. GBC covers 86,000 square miles of rural Nevada as of March, 2014. The distance education courses are offered on WebCanvas, LiveNet, Interactive Video(IAV) and/or Internet Enhanced. For IAV, LiveNet and Internet Enhanced the students and instructors have some face to face time, so knowing who is logging in is not a problem. For WebCanvas, knowing who is logging could be a problem, therefore, when a student registers for a course to be delivered online (WebCanvas) the student is issued a GBC student identification number. The Distance Education Department sends the student a password and instructions on how to log into WebCanvas. With the ID number and password this creates a log in procedure for a secure environment for distance learning.

The fees for distance education is found in the GBC General Education Catalog on page 40. Please see attached copy of the page. The distance education department charges a technology fee per credit of \$5.50.

The GBC RT program handbook has the following policy found on page 57 for privacy on WebCanvas:

WEBCANVAS OR GBC CURRENT CLASS ONLINE ACCESS

It is the intent of Great Basin College to ensure the privacy of our students. In the Radiology Technology program we do use internet enhancement for all our classes. The access to these classes is protected by a password to ensure privacy. If you are having problems with the access or have concerns about privacy and security, please contact the Help Desk at (775)753-2167.

[Technology Fees 001.jpg](#)

[AAS RT Handbook 2013-2015.pdf](#)

Standard Two: Resources

List the major strengths of this standard in order of importance

1. Great Basin College Associate of Applied Science in Radiology Technology Program is very fortunate to have a strong support system. We are under the wing of the Health Sciences and Human Services Department which encompasses Nursing (Associate and Bachelor Programs), Emergency Medical Technician, Human Services, and the Certified Nursing Assistant Program. The collaborative effort of all these programs to help the department succeed provides the radiology program with many different insights and helps us focus on the whole picture of GBC's mission to provide student centered education to rural Nevada.
2. Affiliation with different community health care centers. GBC service area covers 86,000 miles. Our students attend clinical rotation throughout rural Nevada. By having a great communication with our clinical sites allow this difficult rotation succeed and be a very positive wide variety clinical rotation for our students.

List the major concerns of this standard in order of importance

1. Professional development.
2. Continued affiliation with different communities health care centers.
3. Student recruitment.

Provide the program's plan for addressing each concern identified

1. In the past GBC administration and the professional development committee has been very supportive of the HSHS department for professional development. At this time, due to the change in the budget funding formula for the State, GBC's budget has been reduced. Therefore, in the future HSHS needs to identify other resources for funding of professional development. HSHS is looking at grant possibilities.
2. It is always an ongoing process negotiating clinical sites. By continuing site visits with the clinical sites and interacting with the directors and the technologist helps alleviate any possible problems. Currently, this isn't a problem but it is a concern to keep these affiliations active and quality oriented for positive student enrichment. With the new funding formula for the Nevada System of Higher Education our travel budget has been reduced. It will be a continued effort to ensure there are monies available for clinical coordinator site visits.
3. Great Basin College has a great recruitment department, but are not program specific. The program has reduced recruitment visits due to reduced funding. The program saw a reduction in applications last year. Six students were accepted out of a possible 12 positions. For the 2013-2014 academic year the faculty has sent out brochures to all area high schools and health centers, as well as, visited different meetings and recruitment opportunities around Nevada to promote the program.

Describe any progress already achieved in addressing each concern

The program budget will be reduced July 1 of this year. GBC has gone through many reductions in budget over the last few years, so we are continually looking for monies to supplement our budget for professional development and travel. At this time the travel for clinical site visits has not been reduced and is a priority of the department. Faculty need to stay on top of the budget changes to ensure continued professional development and clinical site maintenance.

The application deadline for the AAS Radiology Technology Program is May 1. The success of marketing will be evaluated after the application deadline.

Describe any constraints in implementing improvements

At this time there are no constraints, however, the budget will change July 1, 2014. We are anticipating a reduction in the HSHS budget, but there should be funding for clinical site visits.

Objective 2.1

Has an appropriate organizational structure and sufficient administrative support to achieve the program's mission.

Great Basin College(GBC) is very fortunate to have a strong structure of support from fellow faculty up to President Curtis. This allows the program to interact with students throughout GBC service area to serve rural Nevada and provide a student centered Radiology Technology Program. The program has been set up as internet and blended/hybrid courses to serve all students throughout the service area. By building affiliation bridges in the different communities by having easier access courses serves the GBC college mission:

Great Basin College enriches people's lives by providing student-centered, post-secondary education to rural Nevada. Educational, cultural and related economic needs of the multi-county service area are met through programs of the university transfer, applied science and technology, business and industry partnerships, developmental education, community service, and student support services in conjunction with certificates and associate and select baccalaureate degrees.

The Radiology Technology graduates serve a much needed skill set in communities throughout our service area. Prior to the Radiology Technology Program start it was very difficult to recruit and retain qualified technologists to the very rural growing Nevada communities. For example, at Northeastern Nevada Regional Hospital, 9 of the 17 technologists(53%) are graduates of the GBC Radiology Technology Program. Of those 9 technologists, they have all pursued additional ARRT certification and/or advanced degrees. Three have a Bachelors of Science Degree, 4 have CT registry, 1 has Diagnostic Ultrasound, 1 has Nuclear Medicine, 1 has Magnetic Resonance Imaging, and 1 has Mammography. To have this many qualified technologists with advanced education is such an achievement for a rural hospital. With this data you can see the program adheres to the program mission:

The mission of Great Basin College's Associate of Applied Science Radiology Technology Program is to provide quality education to prepare the undergraduate Radiology Technology student for beginning practice in a variety of health care settings.

[Organization Chart.doc](#)

Objective 2.2

Provides an adequate number of faculty to meet all educational, program, administrative, and accreditation requirements.

The AAS Radiology Technology has a full-time Program Director and Clinical Coordinator. Currently, there are 6 affiliated clinical sites, but we are seeking to have two more recognized.

The program faculty workload is determined by credits. 14-16 credits is considered full-time. The Program Director receives a 3 credit release time for the program supervision which correlates to other program directors in the Health Sciences and Human Services Department. Faculty are paid "overload" for over 15 credits. Please see attached workload policy.

[Workload Policy.doc](#)

Objective 2.3

Provides faculty with opportunities for continued professional development.

At this time, resources are adequate to support GBC faculty development and instruction. These resources come from several sources. Funds from the operating budget for each department are used to support fees and travel costs associated with conference and continuing education attendance by faculty. In addition, faculty from any department can submit a request to the Faculty Senate Budget and Compensation Committee for full or partial funding for professional development activities.

For example, the radiology faculty have attended professional development annually, most recently the Association of Collegiate Educators in Radiology Technology(ACERT) in February, 2014. The monies have been provided by the Compensation and Benefits Committee, HSHS Department, and Administration.

GBC also provides Grant In Aid benefits to faculty to pursue formal education at a college in Nevada. The Program Director and Clinical Coordinator both have received Grant In Aid to pursue advanced degrees. The Clinical Coordinator is currently enrolled in a Master Degree program. These professional opportunities have been supported by the college.

[Professional development.pdf](#)

Objective 2.4

Provides clerical support services, as needed, to meet all educational, program, and administrative requirements.

Clerical and other support personnel and services are sufficient to meet the needs of the radiology program on a year round basis. The Health Sciences and Human Services has one full-time administrative assistant to help with word processing, student applications, student guidance, affiliation agreements, course scheduling, program supplies, and any other duties as needed. The Administrative Assistant is located in the reception area of the department and fields numerous questions from students to appropriate faculty and services. Student workers are available throughout the year to assist the administrative assistant.

[Administrative Assistant Job Description..htm](#)

Objective 2.5

Assures JRCERT recognition of all clinical settings.

At this time, there are 6 JRCERT clinical sites:

1. Northeastern Nevada Regional Hospital(NNRH), Elko, NV-Clinical Instructor-Bruce Jonas, R.T.
(4 student limit)
2. William Bee Ririe Hospital, Ely, NV-Clinical Instructor-Ernie Rivera, R.T.
(2 student limit)
3. Desert View Regional Medical Center, Pahrump, NV
(2 student limit)-shared site with PIMA
4. Humboldt General Hospital, Winnemucca, NV-Clinical Instructor: Brynne Echeverria, R.T.
(2 student limit)
5. Banner Churchill Community Hospital, Fallon, NV-Clinical Instructor: Paul Connelly, R.T.
(3 students)
6. Great Basin Imaging, Carson City, NV-Not using at this time. Company was sold to Tahoe Carson Hospital.(2 students)

We have one observation site:

Pinion Orthopedic

This site is beneficial to the student experience by observing and interacting with orthopedic surgeons and their use of imaging. The student also learns the imaging expectations of the physicians for use in the diagnosis and treatment of their patients. It has been brought to our attention there are enough examinations to use this site as a clinical rotation especially for extremity experience.

At this time, the program is working on paperwork to submit to JRCERT for full clinical site recognition of Pinion Orthopedic for 1 student and Elko Diagnostic Imaging for 1 student. Elko Diagnostic Imaging is a Department of NNRH, but is not located on the same campus as the hospital, therefore, we need to seek recognition of the site. We have the affiliation agreements, but are working on the JRCERT paperwork. It will be submitted by April 30, 2014.

[JRCERT Recognized Sites 001.jpg](#)

Objective 2.6

Provides classrooms, laboratories, and administrative and faculty offices to facilitate the achievement of the program's mission.

Great Basin College Associate of Applied Science for Radiology Technology is very fortunate to have a dedicated non-energized lab and classroom. The program has non-energized radiology equipment for positioning practice and testing. The radiology room service as a classroom for radiology students, as well. This lab is located in the Health Sciences and Human Services building, along with separate offices for the Program Director and Clinical Coordinator. The location of the radiology classroom and faculty offices in the same building provides a convenient portal for student and faculty ease of access for communication.

Objective 2.7

Reviews and maintains program learning resources to assure the achievement of student learning.

The radiology program uses textbooks, electronic sources provided by the textbooks and the publisher(Elsevier), electronic sources from the GBC library, media center services and DVDs located in the Program Director's office. Faculty, also, routinely use YouTube video that have been reviewed by faculty for positioning review.

The students have access to computers in the High Tech Center on the Elko Campus and computers in the satellite sites in our service area for student use, if needed.

Regardless of the students physical location they have access at any time to online information with free WebCampus orientations, library resources, and the Academic Success Center.

Learning resources are reviewed each semester by radiology faculty after the completion of semester courses in the course assessment worksheet attached.

[Library 001.jpg](#)

Objective 2.8

Provides access to student services in support of student learning.

The RT Program enjoys a collaborative, supportive working relationship with a variety of departments and offices all of which are open during normal working hours (e.g., 8 am to 5 pm Monday through Friday). Some examples the RT program students and faculty could utilize are:

Advising and Career Center: The Advising and Career Center is located in Berg Hall and provides academic and personal counseling to all students on campus. Pre-radiology students interested in applying to the Associate Degree in Radiology Technology Program receive initial advising from the Counseling Center and are then referred to the Radiology faculty. An appointment is made based on office hour availability.

Admissions and Registrar Office: The RT Program Director works closely with administrative staff from the Admissions and Registrar office in the advisement of interested students, in determining admission status of prospective students, and in verifying program completion status of current students. The Admissions and Registrar office also assists in determining the transferability of certain general education courses for RT Program credit, and assembles all pertinent RT Program application material.

Publications and Media Services: This administrative support office provides frequent service to the RT faculty. The majority of photocopying done by the Health Sciences Department is taken to Media Services located in Lundberg Hall. Faculty can do the copying or leave it with the staff. In addition to photocopying and compiling material, their skills are used to help design and print a variety of RT Program documents including syllabi, the RT Student Handbook, RT Clinical Handbook, RT marketing material, announcements, invitations, etc.

Financial Aid: The students can make appointments to meet with a financial aid representative to review FAFSA forms, grants and scholarship opportunities.

You will find the general catalog attached for your review. A complete listing of student services can be found starting on page 35 to 46. I have attached a copy of page 35 as an example of services.

[GBC General Catalog 2013.pdf](#)

[Student Services 001.jpg](#)

Objective 2.9

Has sufficient ongoing financial resources to support the program's mission.

Financial resources are sufficient to accomplish the radiology technology program purposes and comes from different sources:

1. General operating funding is based on a funding formula developed by the Nevada System of Higher Education(NSHE) Board of Regents. The Health Sciences and Human Services departmental funding is sufficient to support the required number of faculty to effectively implement the Radiology Technology Program's mission and goals.
2. Tuition at GBC is set by NSHE Board of Regents and is below the national average for public institutions.
3. Lab fees for radiology courses is set by faculty and administration to as low as possible and directly tied to student consumption. Lab fees greater than \$50 must be approved by the Board of Regents.

Attached is a sample budget report submitted to each monthly department meetings.

[March Budget Report.xls](#)

Objective 2.10

For those institutions and programs for which the JRCERT serves as gatekeeper for Title IV financial aid, maintains compliance with United States Department of Education (USDE) policies and procedures.

JRCERT is not a gatekeeper for the Title IV financial aid. This is maintained through the Financial Aid Department of the college. Attached you will find the Title IV information for students. This is from page 26 in the general catalog.

[Title IV 001.jpg](#)

Standard Three: Curriculum and Academic Practices

List the major strengths of this standard in order of importance

1. GBC Radiology Technology program provides a quality competency based program for rural Nevada. The GBC program is friendly to students not located in a highly populated area and helps supply under served health care areas with qualified professionals in the field of radiology.
2. Qualified faculty with multiple advanced certifications and degrees. The radiology faculty come from diverse educational practice backgrounds, bringing to the radiology program a rich collection of knowledge, skills and competencies.
3. Good clinical sites for student rotation with a wide variety of examination competency opportunities. Each clinical site is unique. Each clinical site has different radiologist which provides the students with an opportunity to observe different requirements.

List the major concerns of this standard in order of importance

1. Lower ARRT pass rates in the past. As of this time for 2009-2013 it is 79.3%
2. The program for the first time had a 64% retention rate for the 2013 year. This is below the 75% benchmark. An example of the retention rate for the graduate class of 2013: Eleven students started in 2011. Of those 11 students: 1 dropped within 3 weeks(not for her she stated), 1 was dismissed from the program for academic reasons(did not finish general education courses as instructed, 2 dropped for medical reasons.

Provide the program's plan for addressing each concern identified

1. The program implemented more board review testing.
2. The program implemented mandatory completion of workbooks in positioning and physics-two lower scoring areas.
3. For the upcoming graduating class the retention rate will be 82%. There are 9 students graduating and 2 are not. One left in the first week, he didn't feel this program was for him at this time. The second one had family and financial concerns.

Describe any progress already achieved in addressing each concern

1. The 2013 graduates had a 100% pass rate for the ARRT certification examination.
2008-73%(8/11-students)
2009-55%(6/11-students)
2010-84.6%(11/13-students)
2011-80%(8/10-students)
2012-76.9%(10/13-students)
2013-100%(7/7-students)
Ave.=74% (5 yr average)-08 to 12
Ave.=79.3%(5 yr average)-09 to 13
2. 2012-2014 retention rate is 82% at this time.

Describe any constraints in implementing improvements

None at this time.

Objective 3.1

Has a program mission statement that defines its purpose and scope and is periodically reevaluated.

Great Basin College AAS Radiology Technology mission statement is:

The mission of Great Basin College's Associate of Applied Science Radiology Technology Program is to provide quality education to prepare the undergraduate Radiology Technology for beginning practice in a variety of health care settings.

The mission of the AAS Radiology Technology Program is congruent with that of GBC and reflects a commitment to provide superior student centered education experience that prepares the radiology technology student for entry level practice. By having clinical sites in the diverse vast service area of GBC supplies post-secondary education to rural Nevada which is part of the GBC mission statement.

GBC mission statement is as follows and can be found at the following web address:
<http://www.gbcnv.edu/about/mission.html>.

Great Basin College enriches people's lives by providing student-centered, post-secondary education to rural Nevada. Educational, cultural, and related economic needs of the multi-county service area are met through programs of university transfer, applied science and technology, business and industry partnerships, developmental education, community service, and student support services in conjunction with certificates and associate and select baccalaureate degrees.

The program mission statement is reviewed each year upon revision of the program handbook by the program faculty. The program handbook review is documented on the first page by the Program Director.

[Program Handbook Revisions 001.jpg](#)

Objective 3.2

Provides a well-structured, competency-based curriculum that prepares students to practice in the professional discipline.

The radiology program curriculum was developed by program faculty and is continually evaluated each semester. The program is a 22 month sequence of a logical progression of suggested learning outcomes developed referencing the American Society of Radiologic Technologist(ASRT). The faculty understand the continued evaluation and implementation of changes is needed to continue the purpose of having a fundamental logical element flow of courses. The program faculty evaluate each course at the end of each semester using a form for End Of Course Assessment. At this time evaluation is made in relation to the program's organizational framework, philosophy and objectives in order to assure the radiology curriculum and instruction remains professionally relevant and academically sound.

All courses in the GBC AAS Degree Radiology Technology Program core content are internet enhanced or blended due to the rural nature of our service area with live meetings on Wednesday during the first year of the program. The following radiology curriculum courses are delivered only online: RAD101, RAD238, and RAD242. The clinical rotations documentation portion is online while the students attend clinical site to obtain competencies and refine all skills related to an entry level radiology technologist.

The radiology program is competency based using the ARRT certification required competencies. The students practice the competencies in the radiology lab. Once the student attends clinical rotations during RAD225, RAD226 and RAD227 they test for competency and implement the learned skills under registered radiology technologists supervision.

[Radiography Curriculum Analysis Grid 2014.doc](#)

[Competency Form 001.jpg](#)

Objective 3.3

Provides learning opportunities in current and developing imaging and/or therapeutic technologies.

During the Exploration of Radiology(RAD101) the students review different modalities and attend a tour of a radiology department. Upon completion of the tour the students are required to develop a promotional brochure on a modality of their choice to include: image of the modality, description of the modality, salary potential, and education required. This is just the beginning of exploring advanced opportunities in the field of imaging.

Once accepted into the program students in RAD126 review a variety of imaging opportunities. They randomly choose from the following choices to develop a poster presentation to the class: MR, CT, PET, RRA/CBRPA, NM, Intervention, Cardiac Catherization, US-Diagnostic, US-Echo, Radiation Therapy, Forensic Radiology, Mammography, Surgical Radiology and Lithotripsy. The poster rubric is attached for your review. These posters are then showcased in the Health Science and Human Services Department hallway for general public.

[poster rubric.pdf](#)

Objective 3.4

Assures an appropriate relationship between program length and the subject matter taught for the terminal award offered.

Upon acceptance into the Associate of Applied Science in Radiology Technology Program, the program length is 22 months. The degree has a total of general education courses, radiology courses and clinical commitment of 75 credits. Please note, last year we dropped RAD115(1 credit) and Human Relation(Psy208). These courses were replaced with HMS200(3 credits), Human Services Ethics.

Also, if the student places into college level English and Math, the prerequisites of MATH120, BIOL223, BIOL224, Certified Nursing Assistant Course, and RAD101 could be completed in two semesters. If developmental courses are needed the prerequisite courses could take longer related to each student's individuality.

[Radiology Flyer 001.jpg](#)

Objective 3.5

Measures the length of all didactic and clinical courses in clock hours or credit hours.

GBC defines a credit hour on page 223 of the general catalog glossary of terms. The page is attached for your review.

The page states a standard measure of instructional time required to complete a course. For example, ENG101, Composition 1, is a three credit course which usually means that it will meet three hours each week over a semester. A two credit hour course usually meets two hours weekly for a semester.

The radiology faculty incorporate the didactic and clinical credits into hours on the syllabus. For example in RAD116 at the end of the syllabus it states:

TIME COMMITMENT:

Total Class Time-45 hours/3 hours per week(some online and some face-to-face instruction)

Assignment Time-Allow approximately 2 hours for additional lab time and 3 hours for other assignments.

RAD116 syllabus has been attached for your review.

Clinical courses are based on 45 hours of clinical time per credit hours. For example, the credits for RAD225 is 7 credits and 315 hours.

[Credit=Credit hours 001.jpg](#)

[RAD 116-2013.doc](#)

[Program Curriculum List.docx](#)

Objective 3.6

Maintains a master plan of education.

The GBC Radiology Technology Program master plan of education 6 volumes are located in the Program Directors office and updated annually according to the program review checklist located in volume 1.

Please see attached table of content for the master plan of education in radiology technology and a copy of a program review checklist.

[Master Plan Table of Content 001.jpg](#)

[Program Review Checklist.doc](#)

Objective 3.7

Provides timely and supportive academic, behavioral, and clinical advisement to students enrolled in the program.

The declared radiology technology students are assigned to a radiology technology faculty adviser through the admission and records digital program software(PeopleSoft). The students are then encouraged to seek advisement during the GBC general orientation course(INT100) which is required for each student attending GBC, unless the students transfer in more than 24 credits.

There is a advisement worksheet on the radiology website for students review. If the student makes an appointment with radiology faculty, this worksheet is filled out collaboratively between the faculty and student.

During RAD101, Exploration of Radiology, the students are advised to meet with faculty if they choose to pursue the radiology technology career. Upon acceptance into the program a letter is sent for acceptance and contact information for the adviser. They are to make an appointment with their adviser in the first semester. Additionally, faculty print out a degree audit plan from the PeopleSoft software for program completion requirements. This is placed into the radiology program information binder for their review and faculty suggestions.

During clinical rotations the faculty encourages the students to keep on track for graduation and reviews the transcripts of the potential graduating students for completion of required courses. If there is a problem with the transcripts the student is contacted by faculty. Ultimately, it is the student's responsibility to have the graduation requirements completed according the program handbook the student has signed they read. Every attempt is made to have a smooth transition from program acceptance to graduation completion.

[Advising Worksheet.doc](#)

Objective 3.8

Documents that the responsibilities of faculty and clinical staff are delineated and performed.

Great Basin College employs two full-time faculty for the radiology program, they are:

Program Director, Mary C. Doucette, M.S., R.R.A., R.T.(R)(M)(MR)(CT)(QM)(ARRT)

-instructs didactic courses and manages program

Clinical Coordinator, Cherie Jaques, B.S. RDMS, R.T.(R)(M)(ARRT)

-instructs clinical courses and some didactic courses

The GBC radiology faculty come from diverse educational practice backgrounds bring to the radiology program a varied and rich knowledge, skills and competencies. The faculty maintain current knowledge of the radiology technology principles and teaching methodologies through ongoing professional development activities. Most recently the faculty attended the Association of Collegiate Educator in Radiology Technology(ACERT), as an example of ongoing education and interaction with fellow colleagues in radiology education. Both radiology faculty are currently registered with good standing with the ARRT.

[Position Description, Jaques.htm](#)

[Position Description, Doucette.htm](#)

Objective 3.9

Evaluates program faculty and clinical instructor performance and shares evaluation results regularly to assure instructional responsibilities are performed.

The process for faculty evaluation was developed and implemented by a subcommittee of Faculty Senate and supported by Administration. The evaluation process consists of three portions:

1. Student ratings(IDEA) completed each semester.
2. Self evaluation completed by faculty. In the faculty assigns weights to the four different main areas of the evaluation: Teaching, Professional Activities, Management(if applicable) and Service. In the spring faculty fill out the evaluation with documentation on how they met the requirements of the different areas and identify current and future goals.
3. Administration review. The radiology faculty are annually evaluated by the Dean of Health Sciences and Human Services. Attached you will find the evaluations for each radiology faculty for the year 2012-2013.

[Cherie's eval.pdf](#)

[mary's eval.pdf](#)

Standard Four: Health and Safety

List the major strengths of this standard in order of importance

1. Willingness of students to learn in a safe and healthy environment.
2. Affiliate sites who strongly believe in health and safety of all individuals and the department environment.
3. Faculty who start radiation awareness for prospective students in RAD101(Exploration of Radiology)

List the major concerns of this standard in order of importance

1. At this time, there is not a major concern in this area. Students start in RAD101 and continue through the program with all aspects of health and safety to include, but not limited to, blood borne pathogens, radiation exposure(ALARA), physical conditions to limit injuries, sexual harassment policies, customer service, HIPAA, Code of conduct, equal rights and infection control.

Provide the program's plan for addressing each concern identified

The program addresses the continued strength of health and safety of students by:

1. student attendance to hospital orientations.
2. observance of ALARA.
3. reviewing the program handbook and policies on safety.

Describe any progress already achieved in addressing each concern

This is an ongoing process. The program assures continued compliance by retaining the documentation in student files of competencies of radiographic procedures which includes observance of radiation safety practices and review of program policies/handbook with students, faculty and affiliated sites.

Describe any constraints in implementing improvements

None at this time.

Objective 4.1

Assures the radiation safety of students through the implementation of published policies and procedures that are in compliance with Nuclear Regulatory Commission regulations and state laws as applicable.

The GBC radiology technology students are exposed to ALARA as early as the introductory course(RAD101) prior to application to the radiology program. Upon acceptance the students review the program handbook(attached) in the first meeting of the students and program faculty in the fall semester. This is documented by the students signing a document stating they have read and understand the program handbook. The program handbook contains a policy for ALARA found on page 30:

ALARA: "All students when working with ionizing radiation must adhere to the ALARA concept, which means (as low as reasonably achievable). All students must make the attempt to minimize the time or duration of an exposure, maximize distance for personnel and others in the exposure area, and shield patient or others when possible. This is a concept the students will learn, be evaluated on and utilize during the education process of becoming a Radiology Technologist."

The program handbook also contains policies for radiation monitoring(page 52), radiation monitoring report(page 53), pregnancy policy(page 47, and radiation advisory statement(page 59).

The students are assessed for radiation protection and the ALARA concept throughout the program by the use of the following list of grading rubrics and completion of RAD236(Radiation Protection):

Positioning Rubric, #6(used in RAD116 and 126)(attached)

Competency Rubric, #6(used during clinical rotation)(page 77 in program handbook)

Clinical Evaluation Form #5 under skills(used during clinical rotation)(page 79 in program handbook)

[Competency Form.pdf](#)

[AAS RT Handbook 2013-2015.pdf](#)

Objective 4.2

Has a published pregnancy policy that is consistent with applicable federal regulations and state laws, made known to accepted and enrolled female students, and contains the following elements:

Written notice of voluntary declaration,

Option for student continuance in the program without modification, and

Option for written withdrawal of declaration.

GBC radiology students are informed of the program's pregnancy policy during the first week of starting the program during the review of the program handbook.

The policy can be found on page 48 of the handbook and the form for voluntary declaration is located on page 73.

The policy is as follows:

PREGNANCY POLICY

Student disclosure of suspected or confirmed pregnancy is strictly voluntary. Students choosing to inform the program faculty of a pregnancy **MUST DO SO IN WRITING** and must include the projected delivery date. It is recommended the student meet with program faculty to discuss program completion options, and appropriate personal radiation protection methods (See Radiation Advisory Statement).

Upon declaration of pregnancy the student has the right to continue in the program schedule without any modification.

Once declaration of pregnancy has been made the student has the right to withdraw their declaration in writing at any time during the pregnancy.

[declaration of preg. form.doc](#)

[AAS RT Handbook 2013-2015.pdf](#)

Objective 4.3

Assures that students employ proper radiation safety practices.

The students begin learning about the ALARA concept in Exploration of Radiology(RAD101) by researching the definition of the concept. After acceptance in the program the students review radiation protection and terms in RAD112(Radiology Patient Care and Medical Terminology) and then implementing the practice in simulation of positioning through testing in RAD116 and RAD126(Radiology Procedures 1 and 2). Radiation technique and production is reviewed in RAD118(Radiology Physics and Circuitry) during the first semester. During the second year of the program the student complete RAD238(Radiation Safety and Protection) to include ALARA, definitions, significance of radiation protection and the biological effects of radiation and NCR requirements. To bring all these courses together the student is assessed during examination competency in their clinical rotation courses: RAD225, RAD226 and RAD227. The competency rubric is attached for your review.

The specific radiation safety can be found in the program handbook on page 52-53 and the ALARA policy can be found on page 30. The program handbook is attached for your review.

[Competency Form.pdf](#)

[AAS RT Handbook 2013-2015.pdf](#)

Objective 4.4

Assures that medical imaging procedures are performed under the direct supervision of a qualified radiographer until a student achieves competency.

The supervision requirement during clinical rotation is explained in the program handbook (page 55). The program handbook is given to the student during the first meeting of new students and faculty. The clinical policies are reviewed again prior to the student's clinical start. Additionally, the program handbook is given to each clinical site annually for their review and reference. The clinical coordinator evaluates this compliance during site visits throughout the program time frame.

The following definition of student clinical supervision is contained in the program handbook:

STUDENT CLINICAL SUPERVISION — DEFINITIONS

Direct Supervision

Direct supervision indicates a qualified radiographer: reviews the request in relation to the student's achievement, evaluates the condition of the patient in relation to the student's knowledge, is present during the examination and will intervene if inappropriate judgment or actions are evident, AND reviews and approves the radiographs.

[AAS RT Handbook 2013-2015.pdf](#)

Objective 4.5

Assures that medical imaging procedures are performed under the indirect supervision of a qualified radiographer after a student achieves competency.

The supervision requirement during clinical rotation is explained in the program handbook (page 55). The program handbook is given to the student during the first meeting of new students and faculty. The clinical policies are reviewed again prior to the student's clinical start. Additionally, the program handbook is given to each clinical site annually for their review and reference. The clinical coordinator evaluates this compliance during site visits throughout the program time frame.

The following definition of student clinical supervision is contained in the program handbook:

STUDENT CLINICAL SUPERVISION — DEFINITIONS

Indirect Supervision

Indirect supervision is defined as that supervision provided by a qualified radiographer
—Immediately available to assist the student regardless of the level of student achievement.
—Immediately available is interpreted as the presence of a qualified radiographer adjacent to the room or location (same department) where the radiographic procedure is being performed. This availability applies to all areas where ionizing radiation equipment is in use.

[AAS RT Handbook 2013-2015.pdf](#)

Objective 4.6

Assures that students are directly supervised by a qualified radiographer when repeating unsatisfactory images.

The faculty reviews the program handbook with the students during the first week of the program and reviews clinical components during the second semester prior to clinical rotation placement. The competency rubric is reviewed with the students. This rubric is given to the clinic site personnel during a competency checkoff. The following statement is on the rubric above the technologist's signature line and the competency form is attached for your review.

"If an image needs to be repeated by the student, this repeat needs to be done under direct supervision by a qualified practitioner."

The rubric is attached for your review.

[Competency Form.pdf](#)

Objective 4.7

Assures sponsoring institution's policies safeguard the health and safety of students.

Each student is required to complete orientation requirements at each facility they are attending for clinical rotation. The orientation includes Blood borne pathogens, OSHA, HIPAA, emergency preparedness, equal rights, and harassment.

The following policy regarding this attendance is found in the program handbook on page 46:

"Mandatory Inservice-

All program students are required to attend annual mandatory blood borne pathogens, OSHA, AND HIPAA in-service sessions. This will be scheduled prior to your clinical rotations. This is a requirement by the hospitals and must be completed by you prior to performing clinical rotations. There may be additional mandatory in service at each facility and this may be completed upon arrival at the clinical site."

In addition to attendance to the mandatory in-service the student complete an orientation checklist located on page 80 of the program handbook within the first two week of clinical rotation at each site. Please see attached form.

In addition to the orientation and mandatory hospital orientation, GBC radiology program has a policy for Terrorist Alert(page 57), Sexual Harassment(page 54), Radiation Exposure/Protection(page 52), Blood Borne Pathogen(page 49), Requirements for Physical(page 48). HIPAA(page 44), Health Status Certification(Immunizations)(Page 43), Drug and/or Alcohol Screening (page 42).

On page 37 of the program handbook under Clinical Facilities, #2 the following is stated:

2. Students are subject to the rules and regulations defined in the personnel policies of the facilities with which the GBC program affiliates. It is the student's responsibility to be aware of the facilities' policies.

The program handbook and orientation form is attached for your review.

[GBC Student Orientation.docx](#)

[AAS RT Handbook 2013-2015.pdf](#)

Objective 4.8

Assures that students are oriented to clinical education setting policies and procedures in regard to health and safety.

In the first two semesters prior to clinical rotation the students complete orientation requirements for the facility they will be assigned to. During this orientation they review hazards, emergency preparedness, medical emergencies, HIPAA and Standard Precautions. Upon arrival at the clinical site the students fill out an orientation form available in the program handbook page 80(please see attached form). The checklist contains: locating the fire alarm and extinguisher, describe emergency evacuation routes, locate the oxygen and medical gas valves, shortest route to stairwell, how to call a code, and HIPAA guidelines.

In addition to the orientation the GBC program handbook provides guidance with the following policies:

GBC radiology program has a policy for Terrorist Alert(page 57), Sexual Harassment(page 54), Radiation Exposure/Protection(page 52), Blood Borne Pathogen(page 49), Requirements for Physical(page 48). HIPAA(page 44), Health Status Certification(Immunizations)(Page 43), Drug and/or Alcohol Screening(page 42).

On page 37 of the program handbook under Clinical Facilities, #2, it states the student's responsibilities to be aware of the facilities policies. The handbook is attached for your review.

[GBC Student Orientation.docx](#)

[AAS RT Handbook 2013-2015.pdf](#)

Standard Five: Assessment

List the major strengths of this standard in order of importance

1. Our major strengths is the graduating students who are qualified entry level radiology technologist. Assessed with employer surveys.
2. Commitment of our graduating students to seek additional certification and education upon completion of the program. Assessed with graduate surveys.
3. Improvement of our credentialing examination pass rate to above 75% for 2009-2013 Assessed with ARRT pass rates.
4. Program effectiveness data is placed on the website for general public viewing.
<http://www.gbcnv.edu/searchgbc.html>

List the major concerns of this standard in order of importance

1. Continued success in the credentialing examination. We need to continue to monitor this pass rate to evaluate success of action plan for this increase in scores.
2. Tracking of graduate students upon graduation.
3. Return of employer surveys.

Provide the program's plan for addressing each concern identified

1. Continuing to monitor ARRT pass rates for success and document.
2. Be directly involved in the process of graduate and employer surveys.

Describe any progress already achieved in addressing each concern

1. The ARRT pass rate was 100% in 2013.
2. The 2013 graduates all applied for continued education:
Weber State University-4(1 CT/MR, 1 NM, 1 Echocardiography, 1 Ultrasound)
*Another student was accepted into WSU, but decided not to continue and has employment
Arizona-1(Ultrasound)
Boise State University-1(Ultrasound)
3. Positive return of employer surveys.

Describe any constraints in implementing improvements

1. Change in end of program testing. The testing company we used last year is no longer in service. We will need to change the test and monitor it's success.

Objective 5.1

Develops an assessment plan that, at a minimum, measures the program's student learning outcomes in relation to the following goals: clinical competence, critical thinking, professionalism, and communication skills.

We do have an assessment plan. However, we have not shared it outside of radiology. It will be shared at the HSHS department meeting in April 2014 for comment and at the HSHS Advisory Board meeting in April, 2014. Additionally, the radiology faculty have reviewed it informally since there are only two of us. In the future, we need to document the discussions.

[2013-2014 Assessment Plan.doc](#)

Objective 5.2

Documents the following program effectiveness data:

- Five-year average credentialing examination pass rate of not less than 75 percent at first attempt within six months of graduation,
- Five-year average job placement rate of not less than 75 percent within twelve months of graduation,
- Program completion rate,
- Graduate satisfaction, and
- Employer satisfaction.

Please see attached program effectiveness data. This information is available on our website as well:

<http://www.gbcnv.edu/programs/show.cgi?AAS-RT>

Attached is an image of our website showing the availability of the program effectiveness data.

[Program Effectiveness.pdf](#)

[RT Website Image 001.jpg](#)

Objective 5.3

Makes available to the general public program effectiveness data (credentialing examination pass rate, job placement rate, and program completion rate) on an annual basis.

Attached you will find an image of the GBC Radiology Technology website page. From this page you will see a link to the program effectiveness data and the contact information to JRCERT(www.jrcert.org).

[RT Website Image 001.jpg](#)

Objective 5.4

Analyzes and shares student learning outcome data and program effectiveness data to foster continuous program improvement.

The GBC radiology program updates the program effectiveness data. This is updated annually. The program effectiveness data was shared with the Health Sciences and Human Services department in September of 2013. The department meeting minutes are attached for your review. Attached is the image of our website for your review or you can visit our website at: <http://www.gbcnv.edu/programs/show.cgi?AAS-RT>

The assessment plan has been updated and is available for your review. We will share the assessment plan with the Health Sciences and Human Services at the April meeting. The assessment review has only been shared with radiology faculty. The program director needs to share this with the HSHS department and the advisory board. These will be submitted to both areas in April, 2014. The assessment plan is attached for your review.

[Department Minutes 9-16-13.docx](#)

[RT Website Image 001.jpg](#)

[2013-2014 Assessment Plan.doc](#)

Objective 5.5

Periodically evaluates its assessment plan to assure continuous program improvement.

We have completed curricular review of the whole program. This was completed in 2011 and 2013(attached). However, we did not document the review of the assessment plan itself. The curricular changes completed are updated in the 2013 report.

The assessment plan will be given to the Health Sciences and Human Service Department in April 2014, the Admission and Progression Committee and the HSHS Advisory Board for their review.

The radiology faculty reviews assessment and curriculum frequently. However, this has been informally and needs to be documented in a formal mode, such as, meeting minutes. This will be added to the program checklist to ensure formal completion.

[Program Review Checklist-revised.doc](#)

[CURRICULUM Update Fall 2013.doc](#)

[CURRICULUM PROPOSED CHANGES.doc](#)

Standard Six: Institutional/Programmatic Data

List the major strengths of this standard in order of importance

1. GBC College believes in their mission to provide student centered post secondary education to rural Nevada. Accreditation is a part of supplying quality education.
2. Good supporting relationships within the Health Sciences and Human Service Department and GBC, empowering the radiology program to achieve success with their mission and JRCERT accreditation.
3. Faculty are committed to doing the best they can to empower radiology students, meet the needs of GBC and rural Nevada and continue JRCERT accreditation.

List the major concerns of this standard in order of importance

1. State of Nevada budget reduction could cut some of the travel necessary to continue building relationships and affiliation agreements.
2. Continue documentation of staff at affiliate sites in such a vast area.

Provide the program's plan for addressing each concern identified

1. Continuing to stay informed about monies available for travel and program needs by representation from radiology faculty at Faculty Senate and HSHS Department meetings.

Describe any progress already achieved in addressing each concern

1. GBC received accreditation reappointment from Northwest Commission on Colleges and Universities.
2. Radiology faculty continuing with JRCERT accreditation standards and completing self study.

Describe any constraints in implementing improvements

Note: GBC radiology program does not have an energized lab.

Objective 6.1

Documents the continuing institutional accreditation of the sponsoring institution.

Great Basin College has received reaffirmation of accreditation from Northwest Commission on Colleges and University. Please see attached letter.

[NWCCU Reaffirmation July 2013.pdf](#)

Objective 6.2

Documents that the program's energized laboratories are in compliance with applicable state and/or federal radiation safety laws.

The radiology laboratory is not an energized radiation ionizing laboratory.

I have written a letter stating we do not have an energized lab, therefore, there is not any state or federal requirements.

[6.2 letter.docx](#)

Objective 6.3

Documents that all faculty and staff possess academic and professional qualifications appropriate for their assignments.

The program director and clinical coordinator has not changed.

Mary Doucette-Program Director from 2006-to current.(also didactic instructor)

Cherie Jaques-Clinical Coordinator from 2008-to current.(also instructs clinical and didactic portions)

Clinical Instructor List is attached with which site they are associated with.

ARRT documentation for the sites were students are placed at this time are attached:

Jonas(NNRH), Echevarria(Humboldt General), Connolly(Banner Churchill)

[cj arrt 002.jpg](#)

[licensure documents 001.jpg](#)

[Clinical Instructor List - mary.doucette@gbcnv.edu - Great Basin College Mail.htm](#)

[ARRT Clinical Instructors.pdf](#)

Objective 6.4

Establishes and maintains affiliation agreements with clinical settings.

Current affiliation sites are:

Northeastern Nevada Regional Hospital in Elko, NV

Humboldt General Hospital in Winnemucca, NV

Banner Churchill Community Hospital, Fallon, NV

William B. Ririe Hospital, Ely, NV

Desert View Regional Medical Center, Pahrump, NV

Carson Tahoe Clinic(Used to be Great Basin Imaging Center), Carson City, NV

-Please note we are not placing students at this time here due to supervision arrangements

We are seeking recognition for:

Pinion Orthopedic-Elko, NV-

Elko Diagnostic Imaging, Department of NNRH, Elko, NV-this would be NNRH

Waiting for completed paperwork to submit fees. Estimated application to be completed by GBC by April 30, 2014.

[Banner Health.PDF](#)

[NNRH.PDF](#)

[Desert View.PDF](#)

[HGH Winn.PDF](#)

[William B.PDF](#)

[Carson Tahoe.pdf](#)

Objective 6.5

Documents that clinical settings are in compliance with applicable state and/or federal radiation safety laws.

Attached you will find Joint Commission documentation in one file for:

William Bee Ririe Hospital, Ely, NV

Banner Churchill Community Hospital, Fallon, NV

Carson Tahoe Region Medical Center(Great Basin Imaging), Carson, NV

Northeastern Nevada Regional Hospital, Elko, NV

Humboldt General Hospital and Desert View Regional Medical Center are recognized by the State of Nevada.

[JCAHO Recognition.htm](#)

[NV State Clinical Sites.pdf](#)

Objective 6.6

Complies with requirements to achieve and maintain JRCERT accreditation.

At this time, we do not believe there has been changes in the program that haven't been reported.



Joint Review Committee on Education in Radiologic Technology
20 N. Wacker Drive, Suite 2850
Chicago, IL 60606-3182
312.704.5300 • (Fax) 312.704.5304
www.jrcert.org

November 17, 2016

Mark Curtis, Ph.D.
President
Great Basin College
1500 College Parkway
Elko, NV 89801

RE: Program #0580
Previous Accreditation Status: 5 Years
Most Recent Site Visit: 01/15

Dear Dr. Curtis:

After review of the requested progress report, the continuing accreditation status of the associate degree program, including the distance education delivery option, sponsored by Great Basin College was considered at the November 15, 2016 meeting of the Joint Review Committee on Education in Radiologic Technology (JRCERT). The JRCERT is the only agency recognized by the United States Department of Education (USDE) and the Council for Higher Education Accreditation (CHEA) for the accreditation of traditional and distance delivery educational programs in radiography, radiation therapy, magnetic resonance, and medical dosimetry. The program was evaluated according to the **Standards for an Accredited Educational Program in Radiography (2014)**. The JRCERT took the following action:

EXTENSION OF ACCREDITATION FOR A PERIOD OF THREE YEARS.

This extension equates to an award of eight (8) years of accreditation effective from the date of the last site visit.

An interim report will be required. The projected date for submission of the interim report is the First Quarter of 2019. The JRCERT will provide program officials adequate notice of the due date for submission of the interim report. Based on the interim report, the JRCERT will determine if the accreditation award of eight (8) years will be maintained or reduced and the continuing accreditation process expedited.

Based on this extension, the next site visit is tentatively scheduled for the First Quarter of 2023.

In the spirit of continuous quality improvement, the program is advised to continue refinement of its assessment plan. Program officials are strongly advised to attend a JRCERT-sponsored Outcomes Assessment Conference. The JRCERT has scheduled a one-day Outcomes Assessment Conference for May 11, 2017 in Chicago, IL. Information on registering for the May 2017 Outcomes Assessment Conference and a complete listing of dates and locations for JRCERT-sponsored Outcomes Assessment Conferences are available at www.jrcert.org/Calendar.

The program is also advised that consistent with JRCERT Policy 11.600, the JRCERT reserves the right to conduct unannounced site visits of accredited programs. The sponsoring institution would be responsible for the expenses of any on-site evaluation.

Mark Curtis, Ph.D.
November 17, 2016
Page 2

The Joint Review Committee on Education in Radiologic Technology Directors and staff congratulate you and the program faculty for achieving the maximum award of accreditation from the JRCERT and wish you continuing success in your efforts to provide a quality educational program. If we can be of further assistance, do not hesitate to contact the office.

Sincerely,



Laura S. Aaron, Ph.D., R.T.(R)(M)(QM), FASRT
Chair

LSA/TBL/jm

copy: Program Director: Mary C. Doucette, M.S., R.R.A., R.T.(R)(M)(CT)(MR)(QM)
Dean: Amber Donnelly, Ph.D.



Joint Review Committee on Education in Radiologic Technology
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www.jrcert.org

October 23, 2015

Mark Curtis, Ph.D.
President
Great Basin College
1500 College Parkway
Elko, NV 89801

RE: Program #0580

Previous Accreditation Status: Initial 5 Years
Most Recent Site Visit: 01/15

Dear Dr. Curtis:

The Joint Review Committee on Education in Radiologic Technology (JRCERT) appreciated the opportunity to evaluate the associate degree radiography program, including the distance education delivery option, sponsored by Great Basin College. The JRCERT is the only agency recognized by the United States Department of Education for the accreditation of traditional and distance delivery educational programs in radiography, radiation therapy, magnetic resonance, and medical dosimetry. Specialized accreditation awarded by the JRCERT offers institutions significant value by providing peer evaluation and by assuring the public of quality professional education in the radiologic sciences.

The continuing accreditation status of the program was considered at the October 16, 2015 meeting of the Joint Review Committee on Education in Radiologic Technology. The program was evaluated according to the **Standards for an Accredited Educational Program in Radiography (2014)**. The JRCERT awards:

ACCREDITATION FOR A PERIOD OF FIVE YEARS.

The maximum duration that may be awarded by the Joint Review Committee on Education in Radiologic Technology in this category is eight years.

The JRCERT, after reviewing the findings of the site visit team and the program's response to the report of findings, has determined that the program is in non-compliance with **Standard Five:**

Objective 5.4 - Analyzes and shares student learning outcome data and program effectiveness data to foster continuous program improvement. (Provide assurance that student learning outcome and program effectiveness data has been thoroughly analyzed and shared with communities of interest on an annual basis.)

Therefore, a progress report documenting compliance with this objective is required by **October 3, 2016**. Consideration of the progress report is projected for the next scheduled meeting of the Board of Directors following receipt and review of the submitted progress report. Following receipt and evaluation of this progress report, the JRCERT will maintain or extend accreditation to eight years. An additional progress report may be required if any objectives are not adequately addressed.

Mark Curtis, Ph.D.
October 23, 2015
Page 2

The program is advised to continue the refinement of its assessment plan.

Consistent with JRCERT Policy 10.100, this action is not subject to appeal.

Based upon the decision of non-compliance, the program must document compliance with all accreditation standards no later than **October 16, 2017**. As required by the United States Department of Education and consistent with the **maximum** compliance timeframes set forth in JRCERT Policy 11.400, when the JRCERT Board of Directors determines that a program has failed to document compliance with the **STANDARDS** and has not satisfactorily addressed the identified deficiencies, the existing accreditation status will be withdrawn. Such involuntary withdrawal of accreditation is considered an adverse accreditation action. The JRCERT defines an adverse action as involuntary withdrawal of accreditation. Involuntary withdrawal of accreditation will generally, but not necessarily, occur after a Probationary Accreditation status has been awarded. Probationary status, as well as an adverse accreditation action, requires written notification of the United States Secretary of Education, the appropriate State licensing or authorizing agency, appropriate regional and/or other accrediting agencies and the public.

The program is also advised that consistent with JRCERT Policy 11.600, the JRCERT reserves the right to conduct unannounced site visits of accredited programs. The sponsoring institution would be responsible for the expenses of any on-site evaluation.

The Joint Review Committee on Education in Radiologic Technology Directors and staff encourage you and the program faculty to continue your efforts in developing a quality educational program. If we can be of further assistance, do not hesitate to contact the office.

Sincerely,



Laura S. Aaron, Ph.D., R.T.(R)(M)(QM), FASRT
Chair

LSA/TBL/jm

copy:	Program Director:	Mary C. Doucette, M.S., R.R.A., R.T.(R)(M)(CT)(MR)(QM)
	Dean:	Dr. Amber Donnelly
	Site Visitors:	Timothy J. Skaife, M.A., R.T.(R)
		Dawn N. Charman, M.Ed., R.T.(R)(M)