

## Health Sciences

### Associate of Applied Science — Radiology Technology

#### Student Learning Outcomes

The Radiology Technology Program graduate will be able to:

- demonstrate clinical competency.
- position patients for diagnostic quality images.
- integrate ALARA practices for self, patients and others.
- evaluate the final radiology image for essential criteria.
- communicate effectively.
- manipulate techniques to accommodate patient's condition.
- demonstrate critical thinking skills.
- describe professional avenues available to them.
- discuss ASRT, JRCERT, licensure and different modalities.
- exhibit professionalism in the clinical setting.
- demonstrate professional interaction with patients.

The above student learner outcomes are measured throughout the program.

The mission of GBC's Associate of Applied Science Radiology Technology Program is to provide quality education to prepare the undergraduate Radiology Technology student for beginning practices in a variety of healthcare settings.

Great Basin College offers a two-year, four-semester program leading to an Associate of Applied Science in Radiology Technology. The program is accredited by the JRCERT (Joint Review Committee on Education in Radiology Technology) and recognized by the American Registry of Radiology Technology (ARRT).

JRCERT  
20 N. Wacker Drive, Suite 2850  
Chicago, IL 60606-2850

Phone: 312.704.5300  
Fax: 312.704.5304  
Email: mail@jrcert.org  
Website: www.jrcert.org

The curriculum integrates courses in radiology technology with general education requirements. Clinical experiences are offered at the College and affiliated hospitals throughout Nevada.

To obtain the degree, the student will successfully complete four sequential semesters of courses. Enrollment in the program is limited. Selection is made using a point system. Points are given for completed courses, grades, and current work experience in the health-care field. Year of admission to the Associate of Applied Science Degree in Radiology Technology Program determines catalog year and course requirements.

Students who have not completed the English and mathematics requirements must complete the English/Mathematics Placement Test. There is no charge for the placement test, and it must be taken prior to enrolling in prerequisite courses. Placement tests are available at the Academic Success Center. For more information, call 775.753.2149. Tests are free and may be taken any weekday prior to 3 p.m. Students must place into English 101 at the start of the program, if not already completed.

A C or better grade in each class used toward the AAS degree must be maintained throughout the program including general education classes. It is up to the students to provide for housing and travel expenses for clinical rotation. These clinical sites are located throughout Nevada. The clinical sites are chosen by a random draw.

A Certified Nursing Assistant (CNA) class is a prerequisite for the program. It is not required to take the CNA course for credit or sit for the licensing board exam. The student must submit documentation of completion of the course during the application process.

#### **Year of admission to the Associate Degree Radiology Program determines catalog year and course requirements.**

#### **Admission Process**

Admission to the AAS degree in Radiology Technology Program is a separate process from admission to Great Basin College and enrollment to the program is limited. Special application and admission requirements exist for Radiology Technology. Please see the application guide on the GBC website at <http://www.gbcnv.edu/programs/show.cgi?AAS-RT>.

Selection criteria worksheet is available within the application guide. Students who have applied for and been accepted into the radiology program are designated radiology technology students. Only radiology technology students can enroll in courses with the RAD designation (with the exception of RAD 101) unless previously approved by radiology technology instructor.

**Application Process**

- Apply for admission by completing the Application for Admission and supporting documentation, as listed in application guide, available on the GBC website for the Radiology Technology program. Applications must be submitted by May 1 for the Fall Semester. If the application is late, it may not be accepted or 10 points will be deducted.
- It is recommended the student review the selection criteria available in the application information found on the GBC website at [www.gbcnv.edu/programs/show.cgi?AAS-RT](http://www.gbcnv.edu/programs/show.cgi?AAS-RT).

Return completed forms to:  
 Admissions and Records  
 Great Basin College  
 1500 College Parkway  
 Elko, NV 89801

- College courses will be evaluated by the Admissions and Records Office for transfer and acceptance. The application and transcripts will be reviewed the Radiology Technology Program Committee for acceptance into the program.

At the successful completion of the four-semester program, graduates will have earned an Associate of Applied Science degree in Radiology Technology. Radiology Technology graduates are eligible to apply for the registry with American Registry of Radiologic Technologists (ARRT). It is the student’s responsibility to contact the ARRT to schedule a testing application and time. To apply for registry with the ARRT, students must declare previous felony or misdemeanor convictions and academic sanctions. Students who have previous convictions and who wish to apply to the program are encouraged to contact the ARRT at 651.687.0048 to establish eligibility status.

**Additional Fees**

Radiology students follow the fee schedule and refund policy described on pages 63-65. In addition to tuition there are other costs specific to the Associate’s Degree Radiology Program. These fees are subject to change. A differential fee is an additional fee for students enrolled in all AAS-Radiology courses. Students in this program will also have a distance education fee that applies to IAV, online and hybrid classes. An approximation of the additional expenses include:

Textbooks .....	\$1,500.00
Uniforms, shoes, equipment .....	300.00
(ordered during Spring Semester of first year)	
Student Background Check and Drug Screening (required for clinical rotations) .....	131.00
Lab fees — Differential fee per credit .....	35.00

Physical Examination.....	Individual amount
Immunizations.....	Individual amount
Health Insurance .....	Individual amount
Travel and living expenses at clinical sites:.....	Individual amount
ARRT Board Application.....	200.00
Liability Insurance .....	50.00

Scholarships and financial aid opportunities are available to all eligible GBC students. Please contact the Student Financial Services Office for more details.

**Prerequisite Requirements**

			<b>Credits</b>
INT	100	GBC Orientation.....	0.5
BIOL	223	Human Anatomy and Physiology I.....	4
MATH	120	Fundamentals of College Mathematics..	3
RAD	101	Exploration of Radiology (online) .....	0.5
NURS	130	Nursing Assistant Class	

Must be able to place into ENG 101 if accepted into the program.

**Corequisite Requirement**

BIOL	224	Human Anatomy and Physiology II .....	4
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**General Education Requirements**

			<b>Credits</b>
INT	100	GBC Orientation.....	0.5
ENG	100	Composition-Enhanced, or	
ENG	101	Composition I.....	3
ENG	102	Composition II.....	3
Mathematics.....			3
MATH 120, 126, or higher			
PSC	101	Introduction to American Politics, or	
HIST	101	U.S. History to 1877, and	
HIST	102	U.S. History Since 1877 .....	3
HMS	200	Ethics in Human Services .....	3
Science .....			3
Prerequisite BIOL 190			
*BIOL 190 is a Science Department requirement to be taken prior to or concurrently with BIOL 223.			
Humanities or Fine Arts—PHIL 102 (recommended).....			

Technology requirement is met with Radiology Technology program requirements.

Note: Some of the above courses meet both prerequisite and general education requirements.

List of courses fulfilling general education requirements is on page 81.

For additional information or advisement, please contact Mary Doucette at [mary.doucette@gbcnv.edu](mailto:mary.doucette@gbcnv.edu) or 775.753.2463.

**Program Requirements****Credits***All Radiology courses are Internet Enhanced or Online*

RAD	112	Patient Care/Medical Terminology .....	2
RAD	116	Radiography I .....	3
RAD	118	Radiology Physics and Circuitry .....	3
RAD	124	Radiographic Photography and Techniques .....	3
RAD	126	Radiology Procedures II .....	3
RAD	128	Imaging Equipment .....	3
RAD	225	Clinical Radiology I .....	7
RAD	226	Clinical Radiology II .....	7
RAD	227	Clinical Radiology III .....	14
RAD	238	Radiation Safety and Protection (online) .....	2
RAD	242	Radiography Quality Management (online) .....	1

**SUGGESTED COURSE SEQUENCE  
AAS—Radiology Technology****FALL—1st Semester****Credits**

ENG	100 or 101	3
BIOL	224	4
RAD	112	2
RAD	116	3
RAD	118	3
RAD	238	2
<b>TOTAL</b>		<b>17</b>

**SPRING—2nd Semester****Credits**

ENG	102	3
HMS	200	3
RAD	124	3
RAD	126	3
RAD	128	3
PSC	101	3
<b>TOTAL</b>		<b>18</b>

**FALL—3rd Semester****Credits**

RAD	225 (early fall)	7
RAD	226	7
RAD	242	1
<b>TOTAL</b>		<b>15</b>

**SPRING—4th Semester****Credits**

PHIL	102 OR HUMANITIES/ FINE ARTS REQUIREMENT	3
RAD	227	14
<b>TOTAL</b>		<b>17</b>