

# Health Sciences

## Associate of Applied Science—Cardio-Respiratory Care Science

### Student Learning Outcomes

The Cardio-Respiratory Care Science program will prepare graduates with demonstrated competence in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains of respiratory care practice as performed by registered respiratory therapists (RRTs).

1. Provide safe, quality, evidenced-based respiratory care to patients in multidisciplinary healthcare settings.
2. Exhibit professionalism and interpersonal communication skills in the healthcare setting when working with members of the interprofessional team, the patient, and the patient's support persons.
3. Use critical thinking to assess for, interpret, apply and evaluate relevant clinical information to care for patients in the role of a respiratory therapist.
4. Demonstrate technical proficiency consistent with best practices in all the skills necessary to fulfill the role as a respiratory therapist.

Great Basin College offers a two-year program leading to an Associate of Applied Science Cardio-Respiratory Care Science. Great Basin College is accredited by the Northwest Commission on Colleges and Universities (NWCCU).

The Associate of Applied Science Cardio-Respiratory program is at Great Basin College at the Winnemucca, Elko and Reno Locations is currently in the process of seeking CoARC accreditation for a respiratory care program. However Great Basin College can provide no assurance that accreditation will be granted by the Commission on Accreditation for Respiratory Care (CoARC). 264 Precision Blvd, Telford, TN 37690 (817) 283-2835

View the public information disclosed by the CoARC regarding this program at <https://coarc.com/students/programmatic-outcomes-data/>.

The mission of Great Basin College's AAS—Cardio-Respiratory Care Science program is to provide an accessible, student-centered, post-secondary respiratory therapy education that prepares graduates for entry level respiratory therapy practice in a variety of structured healthcare settings. The curriculum integrates courses in respiratory therapy with general education requirements. Laboratory and clinical experience are offered at the college, local hospitals, long-term care centers, and community health facilities.

Enrollment in the program is limited, and students are admitted only in the fall semester. Selection is made using a point system. Additional points will be awarded for veteran applicants and students in the CTE pathway

program.

Non-respiratory therapy and pre-respiratory therapy students may not take any of the courses that begin with the CRS designation prior to admission to the AAS degree in Cardio-Respiratory Care Science program. Students who have declared cardio-respiratory care science as their major are designated as pre-respiratory therapy students. Students who have applied for and been accepted into the Associate of Applied Science in Cardio-Respiratory Care Science program are designated respiratory therapy students.

Students who do not have an ACT or SAT score and who have not started the English and mathematics requirements, must complete the English/ mathematics placement tests. There is no charge for this test, and it must be taken prior to enrolling in prerequisite courses. The placement tests are available at the Academic Success Center and at GBC centers. For more information and testing times, call 775.327.2247.

Year of admission to the Associate in Cardio-Respiratory Care Science program determines catalog year and course requirements.

The GBC AAS Cardio-Respiratory Care Science program will not recognize completed anatomy or physiology courses older than five years or repeated more than three times.

Questions about the AAS in Cardio-Respiratory Care Science program or the application process can be directed to the department of Health Science and Human Services at 775.327.2317.

### Admission to Associate of Applied Science in Cardio-Respiratory Care Science

College courses taken at another institution will be evaluated by the admissions and records office for transfer and acceptance. All courses must have been completed at a regionally accredited institution of higher education. All previous coursework must be submitted from the institution where it was completed as an official transcript. Transcript copies are not accepted. Respiratory therapy courses taken at another institution will not be recognized. Prior work experience will not count toward completion of any CRS coursework.

Upon successful completion of the program, graduates will have earned an Associate of Applied Science in Cardio-Respiratory Care Science. Cardio-Respiratory Care Science program graduates are eligible to take the National Board of Respiratory Care (NBRC).

**Graduation from an accredited program is only one of the requirements and does not mean automatic licensure as a respiratory therapist.**

The Nevada State Board of Medical Examiners requires all applicants for Respiratory Therapy licenses to answer screening questions. These questions address criminal convictions, discipline in another state, chemical

dependency, and medical and mental health conditions. In addition, all applicants must submit their fingerprints for an FBI and State of Nevada criminal background check. For more information, visit <https://medboard.nv.gov/> or call Toll Free: (888) 890-8210.

### AAS in Cardio-Respiratory Care Science Program Requirements

Student must provide evidence of a satisfactory physical examination within the preceding six months, validating the following psychomotor requirements:

- Assess clients through auscultation, percussion, palpation, and other diagnostic maneuvers.
- Manipulate equipment necessary to assist the individual, family, and/or group to desired outcomes.
- Lift and move individuals and/or groups of individuals to provide safe care and emergency treatment.
- Perform cardiopulmonary resuscitation.
- Perform independently of others.
- Possess cognitive abilities of measure, calculate dosages, reason, analyze, and synthesize.

### Additional Fees

Respiratory therapy students follow the fee schedule and refund policy described on page 68. In addition to tuition there are other costs specific to the Associate of Applied Science in Cardio-Respiratory Care Science program.

These fees are subject to change. A differential fee is an additional fee for students enrolled in all AAS— Cardio-Respiratory Care 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 and online access fees.....	\$2,500.00
Lab fees per credit.....	\$90.00
Uniforms, shoes, equipment, and supplies .....	\$300.00
Student Background Check and Drug Screening (required for clinical rotation) — minimum .....	\$95.50
Immunizations.....	\$300.00
Testing fee (NBRC Testing Center) .....	\$200.00
Nevada State Board of Medical Examiners licensing fee .....	\$300.00
FBI background check and fingerprints .....	\$51.25
Physical examination.....	Individual amount
Health insurance.....	Individual amount
Watch with a second hand.....	Individual amount
Travel to clinical facilities.....	Individual amount
Graduation uniform.....	\$30.00-\$50.00
Student AARC membership .....	\$50.00
Kettering Exam Seminar Prep .....	\$345.00
Platinum Planner .....	\$70.00

### Requirements for Application

- GPA of 2.0 or higher on any previous college coursework.
- Minimum grade of C or higher in any courses applied to the AAS Cardio-Respiratory Care

program.

- Completed applications for both GBC and the Cardio-Respiratory Care Program must be received by admissions and records no later than 5 p.m., May 31st.

More detailed information about the admission process will be provided in the application packet.

Student selection and admission is completed one time per year. Preference is given to GBC service area students. Applicants not selected for the program will not be carried forward to the next year's program and must re-apply and meet the requirements prevailing at the time.

### AAS in Cardio-Respiratory Care Course Requirements

In order to maintain good standing in the AAS in Cardio-Respiratory Care program, a student must:

- Maintain a minimum grade of C (e.g., 76% or better) in all respiratory therapy courses,
- Comply with requirements set forth in the Associate of Applied Science Cardio-Respiratory Care program student handbook.
- Attain a minimum grade of C or higher in any non-cardio-respiratory care course applied to the Associate of Applied Science Cardio-Respiratory Care degree.

Prerequisite Requirements	Credits
*BIOL 100 General Biology for Non Majors, <b>or</b>	
*BIOL 190 Introduction to Cell and Molecular Biology .....	3-4
BIOL 223 Human Anatomy and Physiology I .....	4
BIOL 224 Human Anatomy and Physiology II .....	4
BIOL 251 General Microbiology.....	4
MATH 120 or 120E Fundamentals of College Mathematics, <b>or</b>	
MATH 126 or 126E Precalculus I, <b>or</b>	
STAT 152 Introduction to Statistics.....	3
*BIOL 100 or BIOL 190 is a science department requirement to be taken prior to or concurrently with BIOL 223.	

### General Education Requirements

The Cardio-Respiratory Care program has slightly different general education requirements than the other GBC AAS degrees as stated on page 82. Please note the differences:

PHIL 102 is strongly recommended to fulfill the humanities requirement, or any fine arts or humanities course as listed in the general education requirements on page 82. Technology requirement is embedded in the Cardio-Respiratory Care Program.

General Education Requirements	Credits
ENG 100 Composition-Enhanced, <b>or</b>	
ENG 101 Composition I .....	3
ENG 102 Composition II .....	3
PSY 101 General Psychology .....	3
Humanities or Fine Arts—PHIL 102 (recommended) .....	3
PSC 101 Introduction to American Politics, <b>or</b>	
HIST 101 U.S. History to 1877, and	
HIST 102 U.S. History since 1877 .....	3-6
HMS 200 Human Relations .....	3

Technology (embedded into Cardio-Respiratory program)  
**Total Credits** ..... **18-21**

**Program Requirements..... Credits**

CRS	100	Introduction to Respiratory Care and Procedures .....	4
CRS	115	Clinical Practicum I .....	4
CRS	116	Respiratory Pharmacology.....	3
CRS	123	Respiratory Care Assessment of Cardiopulmonary Disease and Disorders 3	
CRS	124	Advanced Practice Respiratory Care and Procedures .....	4
CRS	125	Clinical Practicum II .....	4
CRS	215	Clinical Practicum III .....	4
CRS	218	Respiratory Diagnostics and Lab.....	4
CRS	219	Neonatal Pediatric Respiratory Care and Lab .....	4
CRS	216	Continuity of Respiratory Care .....	3
CRS	223	Exam Seminar and Preparation .....	1
CRS	225	Clinical Practicum IV .....	4
<b>Total Credits</b>			<b>42</b>

**Total Credits for the AAS Cardio-Respiratory Care Science Program.....78-82**

**SUGGESTED COURSE SEQUENCE**

**Associate of Applied Science  
 Cardio-Respiratory Care Science**

**FALL—1st Semester Credits**

ENG	100 or 101	3
CRS	100	4
CRS	115	4
CRS	116	3
PSC	101	3
<b>TOTAL</b>		<b>17</b>

**SPRING—2nd Semester Credits**

ENG	102	3
CRS	123	3
CRS	124	4
CRS	125	4
<b>TOTAL</b>		<b>14</b>

**SUMMER—3rd Semester Credits**

HMS	200	3
CRS	215	4
CRS	218	4
CRS	219	4
<b>TOTAL</b>		<b>15</b>

**SPRING—4th Semester Credits**

PSY	101	3
PHIL	102	3
CRS	216	3
CRS	223	1
CRS	225	4
<b>TOTAL</b>		<b>14</b>

**Minimum Credits: 60**