

**GREAT BASIN COLLEGE
ASSOCIATE OF APPLIED SCIENCE CARDIO-
RESPIRATORY CARE SCIENCE**

ADMISSION SELECTION CRITERIA SPRING 2025

Admission to the Cardio-Respiratory Care Science Program is a separate process from admission to Great Basin College. Enrollment to the program is limited. Selection is made using a point system. All prerequisite courses must be completed prior to starting the program. Eligible students will be numerically ranked according to total points received using the selection criteria below. Total points will be determined after the grades for Fall 2024 have been posted at GBC. Please note that applicants are responsible for ensuring official grades for non-GBC coursework are submitted to the GBC Registrar. Admission will be offered to the applicants with the highest points based on program capacity. Meeting the minimum application criteria does not guarantee admission to the program. Additional points will be awarded for veteran applicants and students in the CTE pathway program.

Prerequisite courses (BIOL 223, 224, 251, MATH 120 or higher, BIOL 100 or 190)	4 points for A, 3 for B, 2 points for C for each course.
Points	From 10 to 20

General Education Required Courses (ENG 101, 102, HMS 200, PSY 101, PSC 101, FA/HUM)	3 points for A, 2 for B, 1 point for C for each course completed.
Points	From 15-0

Veteran of Armed Forces or Reserves	Yes	No
Points	1	0

*To qualify as a Resident the GBC student, a student must have completed 15 credits from GBC

Residency *	GBC Student	Nevada Resident	Non-Nevada Area
Points	3	1	0

Healthcare Experience	Must have 1 consecutive year of healthcare experience as a CNA, EMT or other healthcare worker approved by the Program Director- Up to 2 points allowed
Points	Points 0-2

High School Health Science I and II	Must include high school transcripts demonstrating completion of Health Science I and II with a C or higher
Points	Points from 0-1

Note: the highest grade achieved for courses taken more than once will be used.

Functional Abilities (Technical Standards)

The Health Science and Human Services Programs, specifically the Cardio-Respiratory Care Science Program, require the following functional abilities with or without reasonable accommodations:

1. Visual acuity must be adequate to assess patients and their environments, as well as implement the respiratory care plans developed from assessments. Examples of relevant activities (nonexclusive):
 - a. Detect changes in skin color or condition
 - b. Collect data from equipment and measurement devices used in patient care
 - c. Detect a fire in a patient area and initiate emergency action
 - d. Draw up the correct quantity of medication into a syringe
2. Hearing ability must be of sufficient acuity to assess patients and their environments and to implement the respiratory care plans that are developed from such assessments. Examples of relevant activities (nonexclusive):
 - a. Detect sounds related to bodily functions using a stethoscope
 - b. Detect audible signals generated by mechanical systems that monitor bodily functions
 - c. Communicate clearly in telephone conversations
 - d. Communicate effectively with patients and with other members of the healthcare team
3. Olfactory ability must be adequate to assess patient and to implement the respiratory care plans that are developed from patient assessments. Examples of relevant activities (nonexclusive):
 - a. Detect foul odors of bodily fluids or spoiled foods
 - b. Detect smoke from burning materials
 - c. Detect ketones on a client's breath
4. Tactile ability must be sufficient to assess patient and to implement the respiratory care plans that are developed from such assessments. Examples of relevant activities (nonexclusive):
 - a. Detect changes in skin temperatures
 - b. Detect unsafe temperature levels in heat-producing devices used in patient care
 - c. Detect anatomical abnormalities, such as subcutaneous edema, or infiltrated intravenous fluid
 - d. Perform techniques that require palpation for identification of superficial anatomy/pathology
5. Strength and mobility must be sufficient to perform patient care activities and emergency procedures. Examples of relevant activities (nonexclusive):
 - a. Safely transfer patients in and out of bed and assist them with ambulation using appropriate assistive devices
 - b. Safely control the fall of a patient, by slowly lowering the patient
 - c. Perform cardiopulmonary resuscitation
 - d. Move from room to room and maneuver self, patient and equipment in small areas
 - e. Turn and position patients as needed to prevent complications due to bed rest
 - f. Hang intravenous bags at the appropriate level
 - g. Accurately read the volumes in body fluid collection devices hung below bed level
6. Fine motor skills must be sufficient to perform psychomotor skills integral to patient care and imaging. Examples of relevant activities (nonexclusive):

- a. Safely dispose of needles in sharps containers
- b. Accurately place and maintain position of stethoscope for detecting sounds of bodily functions
- c. Manipulate small equipment and containers, such as syringes, vials, ampoules, and medication packages, to administer medications.