

This is a limited-entry program. Some of these courses are program prerequisites and MUST be completed before a student is considered eligible for entry into the Program. Students MUST attend a Health Programs orientation and meet with a Health Programs advisor for additional advisement.

**DESCRIPTION**

The Bachelor of Applied Science program allows associate degree students and registered respiratory therapists the opportunity to build upon their current knowledge, enhance their current professional role and advance to broader careers.

Must be admitted to CRS BAS limited entry program.

**STUDENT LEARNING OUTCOMES**

- Summarize respiratory leadership characteristics and assess managerial techniques.
- Evaluate theory and practice of educational modalities in clinical and non-clinical settings.
- Verify advanced practitioner skills through clinical performance in specialty area.
- Validate cultivation of skills in specialty area through presentation or research project.
- Critically evaluate research methodology, analyses, and literature.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (47 CREDITS)**

**MATHEMATICS (3 credits)**

Recommended: MATH 124 College Algebra

**ENGLISH COMPOSITION (6-8 credits)**

Required: ENG 333 Professional Communications

Recommended: ENG 101 Composition I

**COMMUNICATIONS (6-8 credits)**

Required: COM 340 Cross-cultural Communication in Healthcare

Recommended: COM 101 Oral Communication

**HUMAN RELATIONS (3 credits)**

Recommended: PHIL 135 Introduction to Ethics

**NATURAL SCIENCE (16 credits)**

Required: BIOL 189 and 223 and 224 and 251

**FINE ARTS/HUMANITIES/SOCIAL SCIENCES (9 credits)**

Required: PHIL 302 and 311

Recommended: PSY 101 General Psychology

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

Recommended: PSC 101 Introduction to American Politics

**SPECIAL PROGRAM REQUIREMENTS (74 CREDITS)**

**CORE REQUIREMENTS (70 credits)**

CRS 111	Introductory Concepts of Cardiorespiratory Sciences	3
CRS 112	Introductory Concepts of Cardiorespiratory Equipment	1
CRS 115	Clinical Practicum I	4
CRS 121	Advanced Concepts of Cardiorespiratory Sciences	3
CRS 122	Advanced Concepts of Cardiorespiratory Equipment	1
CRS 123	Applied Cardiorespiratory Assessment	3
CRS 124	Cardiorespiratory Pharmacology	3

**SPECIAL PROGRAM REQUIREMENTS CONTINUED**

CRS 125	Clinical Practicum II	4
CRS 135	Clinical Practicum III	3
CRS 211	Neonatal and Pediatric Cardiorespiratory Care	3
CRS 212	Neonatal and Pediatric Cardiorespiratory Equipment	1
CRS 213	Cardiorespiratory Diagnostics	3
CRS 214	Cardiorespiratory Diagnostics Equipment	1
CRS 215	Clinical Practicum IV	4
CRS 221	Continuity of Cardiorespiratory Care	3
CRS 222	Seminar for Success	1
CRS 225	Clinical Practicum V	4
CRS 312	Cardiorespiratory Leadership Dynamics	3
CRS 313	Education and Mentoring in the Cardiorespiratory Setting	3
CRS 315	Clinical Practicum VI	4
CRS 322	Research and Evidence-Based Practice	3
CRS 412	Long-Term and Palliative Survey of Cardiorespiratory Care	3
CRS 421	Essentials of Sleep	3
CRS 422	Special Project in Cardiorespiratory Sciences	1
CRS 425	Clinical Practicum VII	4
HIT 117B	Medical Terminology I	1

**Choose one from the following (4 credits)**

EGG 131	Technical Physics I	3
EGG 131L	Technical Physics I Lab	1
PHYS 110	Conceptual Physics (or above)	4

See Degree Plan on next page.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Cardiorespiratory Sciences**  
BACHELOR OF APPLIED SCIENCE (BAS)

**LIMITED ENTRY**  
DEGREE CODE: CRS-BAS

REQUIRED CREDITS: 121

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
BIOL 189 Fundamentals of Life Science <sup>1</sup>	4
COM 101 Oral Communication	3
ENG 101 Composition I	3
HIT 117B Medical Terminology I	1
<b>TOTAL CREDITS</b> .....	<b>11</b>
<b>SECOND SEMESTER</b>	<b>Credits</b>
MATH 124 College Algebra	3
BIOL 223 Human Anatomy and Physiology I	4
BIOL 251 General Microbiology	4
EGG 131 and 131L; or PHYS 110 or above	4
<b>TOTAL CREDITS</b> .....	<b>15</b>
<b>THIRD SEMESTER</b>	<b>Credits</b>
BIOL 224 Human Anatomy and Physiology II	4
PSC 101 Introduction to American Politics	4
PSY 101 General Psychology	3
PHIL 135 Introduction to Ethics	3
<b>TOTAL CREDITS</b> .....	<b>14</b>
<b>FOURTH SEMESTER</b>	<b>Credits</b>
CRS 111 Introductory Concepts of Cardiorespiratory Science	3
CRS 112 Introductory Concepts of Cardiorespiratory Equipment	1
CRS 115 Clinical Practicum I	4
<b>TOTAL CREDITS</b> .....	<b>8</b>
<b>FIFTH SEMESTER</b>	<b>Credits</b>
CRS 121 Advanced Concepts of Cardiorespiratory Science	3
CRS 122 Advanced Concepts of Cardiorespiratory Equipment	1
CRS 123 Applied Cardiorespiratory Assessment	3
CRS 124 Cardiorespiratory Pharmacology	3
CRS 125 Clinical Practicum II	4
<b>TOTAL CREDITS</b> .....	<b>14</b>
<b>SIXTH SEMESTER</b>	<b>Credits</b>
CRS 135 Clinical Practicum III	3
<b>TOTAL CREDITS</b> .....	<b>3</b>
<b>SEVENTH SEMESTER</b>	<b>Credits</b>
CRS 211 Neonatal & Pediatric Cardiorespiratory Care	3
CRS 212 Neonatal & Pediatric Cardiorespiratory Equipment	1
CRS 213 Cardiorespiratory Diagnostics	3
CRS 214 Cardiorespiratory Diagnostics Equipment	1
CRS 215 Clinical Practicum IV	4
<b>TOTAL CREDITS</b> .....	<b>12</b>
<b>EIGHTH SEMESTER</b>	<b>Credits</b>
CRS 221 Continuity of Cardiorespiratory Care	3
CRS 222 Seminar for Success	1
CRS 225 Clinical Practicum V	4
<b>TOTAL CREDITS</b> .....	<b>8</b>

**BAS CRS Core Course Classes**

<b>FIRST SEMESTER</b>	<b>Credits</b>
ENG 333 Professional Communications	3
PHIL 302 Intermediate Reasoning and Critical Thinking	3
CRS 312 Cardiorespiratory Leadership Dynamics	3
CRS 313 Education and Mentoring in the Cardiorespiratory Setting	3
CRS 315 Clinical Practicum VI	4
CRS 322 Research and Evidence-Based Practice	3
<b>TOTAL CREDITS</b> .....	<b>19</b>
<b>SECOND SEMESTER</b>	<b>Credits</b>
COM 340 Cross-Cultural Communication in Health Care	3
PHIL 311 Professional Ethics	3
CRS 412 Long-Term and Palliative Survey of Cardiorespiratory Care	3
CRS 421 Essentials of Sleep	3
CRS 422 Special Project in Cardiorespiratory Sciences	1
CRS 425 Clinical Practicum VII	4
<b>TOTAL CREDITS</b> .....	<b>17</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>121</b>

<sup>1</sup> This course is a prerequisite for AAS CRS courses BIOL 223 and 224. While this course did not count toward completion of the AAS CRS, it does count toward completion of the BAS CRS.

