

# B.S. IN HEALTH SCIENCE - RESPIRATORY CARE CONCENTRATION

College of Health Sciences

## Curriculum

Code	Title	Credits
<b>GENERAL EDUCATION REQUIREMENTS</b> ( <a href="http://catalog.wcupa.edu/undergraduate/general-education-requirements/">http://catalog.wcupa.edu/undergraduate/general-education-requirements/</a> )		
<b>Academic Foundations</b>		
First Year Experience requirement		4
English Composition requirement		6-7
Mathematics requirement		3-4
Interdisciplinary requirement		3
Diverse Communities requirement		3
Ethics requirement		3
<b>Distributed Disciplinary Foundations</b>		
Science requirement		6-8
Behavioral & Social Science requirement		6
Humanities requirement		6
Arts requirement		3
<b>ADDITIONAL BACCALAUREATE REQUIREMENTS</b> ( <a href="http://catalog.wcupa.edu/undergraduate/general-education-requirements/">http://catalog.wcupa.edu/undergraduate/general-education-requirements/</a> )		
<b>University Requirements</b>		
Writing Emphasis requirement		9
Speaking Emphasis requirement		9
<b>Degree Requirements</b>		
Capstone requirement		1-15
<b>MAJOR REQUIREMENTS</b>		
<b>Related/Cognate Requirements</b> <sup>1</sup>		
BIO 100	Basic Biological Science <sup>2</sup>	3
BIO 204	Introductory Microbiology	4
BIO 259	Human Anatomy and Physiology I	4
BIO 269	Human Anatomy and Physiology II	4
CHE 100	Concepts of Chemistry <sup>2</sup>	3
MAT 113	Algebra and Functions <sup>2</sup>	3
PSY 100	Introduction to Psychology <sup>2</sup>	3
PHI 180	Introduction to Ethics <sup>2</sup>	3
<b>Major Courses</b> <sup>1</sup>		
HEA 210	Introduction to Allied Health	3
HEA 370	Medical Terminology	1
HEA 371	Aspects of Respiratory Therapy I	2
HEA 372	Respiratory Anatomy and Physiology	3
HEA 373	Bronchopulmonary Hygiene	3
HEA 374	Oxygen Therapy	2
HEA 375	Cardiopulmonary Disease	3
HEA 376	Aspects of Respiratory Therapy II	2
HEA 377	Pharmacology	2
HEA 378	Respiratory Technology	3
HEA 360	Pre-Clinical Lab for Respiratory Care	3
HEA 380	Clinical Practice I	6
HEA 435	Health Workshop	1-6
HEA 472	Mechanical Ventilation	3
HEA 473	Life Support Systems	3

HEA 474	Pulmonary Function Evaluation	2
HEA 475	Pediatric/Neonatal Respiratory Care	2
HEA 476	Respiratory Care Clinical II	2
HEA 400	Cardiopulmonary Concepts	3
HEA 479	Respiratory Care Clinical Practice III	8
<b>Capstone Requirement</b> <sup>1</sup>		
HEA 478	Respiratory Therapy Seminar I <sup>3</sup>	3
<b>Total Minimum Credits Required</b>		<b>120</b>

<sup>1</sup> All courses must be completed with a C or better.

<sup>2</sup> These required courses also satisfy general education requirements.

<sup>3</sup> This course fulfills the Capstone requirement.

## Sample Course Plan

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit [wcupa.edu/DegreeProgressReport](http://wcupa.edu/DegreeProgressReport) (<http://wcupa.edu/degreeprogressreport/>).

The following is a sample suggested course sequence for this program; course offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

Course	Title	Credits
<b>Year One</b>		
<b>Semester One</b>		
BIO 100	Basic Biological Science	3
MAT 113	Algebra and Functions	3
WRT 120	Effective Writing I	3
SPK 208	Public Speaking	3
or	or Business and Professional Speech	
SPK 230	Communication	
FYE 100X	First Year Experience	4
<b>Credits</b>		<b>16</b>
<b>Semester Two</b>		
BIO 259	Human Anatomy and Physiology I	4
WRT 2XX	200-Level WRT Course	3
Humanities Gen Ed		3
Diverse Communities Gen Ed		3
Interdisciplinary Gen Ed		3
<b>Credits</b>		<b>16</b>
<b>Year Two</b>		
<b>Semester Three</b>		
CHE 100	Concepts of Chemistry	3
PSY 100	Introduction to Psychology	3
BIO 269	Human Anatomy and Physiology II	4
Humanities Gen Ed		3
<b>Credits</b>		<b>13</b>
<b>Semester Four</b>		
BIO 204	Introductory Microbiology	4
HEA 210	Introduction to Allied Health	3
Arts Gen Ed		3
Behavioral & Social Science Gen Ed		3
Speaking Emphasis Gen Ed		3
or Writing Emphasis Gen Ed		
or Free Elective		
<b>Credits</b>		<b>16</b>

<b>Year Three</b>		
<b>Semester Five</b>		
HEA 370	Medical Terminology	1
HEA 371	Aspects of Respiratory Therapy I	2
HEA 372	Respiratory Anatomy and Physiology	3
HEA 373	Bronchopulmonary Hygiene	3
HEA 374	Oxygen Therapy	2
Free Elective		2
<b>Credits</b>		<b>13</b>
<b>Semester Six</b>		
HEA 375	Cardiopulmonary Disease	3
HEA 376	Aspects of Respiratory Therapy II	2
HEA 377	Pharmacology	2
HEA 378	Respiratory Technology	3
HEA 379	Hemodynamics I	3
<b>Credits</b>		<b>13</b>
<b>Summer</b>		
(Nine weeks)		
HEA 380	Clinical Practice I	6
<b>Credits</b>		<b>6</b>
<b>Year Four</b>		
<b>Semester Seven</b>		
HEA 472	Mechanical Ventilation	3
HEA 473	Life Support Systems	3
HEA 474	Pulmonary Function Evaluation	2
HEA 475	Pediatric/Neonatal Respiratory Care	2
HEA 476	Respiratory Care Clinical II	2
HEA 477	Hemodynamics II	3
<b>Credits</b>		<b>15</b>
<b>Semester Eight</b>		
HEA 435	Health Workshop	1
HEA 478	Respiratory Therapy Seminar I	3
HEA 479	Respiratory Care Clinical Practice III	8
<b>Credits</b>		<b>12</b>
<b>Total Credits</b>		<b>120</b>

- All core curriculum courses require a grade of "C" or better.
- An overall GPA of 2.7 is required prior to the continuation to .
- through must be taken in sequence and combinations as listed above.