

# Respiratory Therapy, B.S.

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The BSRT includes five semesters of course study after completion of the first two years of undergraduate curriculum. The program is designed to provide students with educational and clinical competence by emphasizing advanced clinical knowledge, critical thinking, and versatility. Students are engaged in the theoretical, practical, and clinical aspects of adult, pediatric, and neonatal respiratory care. They gain a well-rounded and in-depth knowledge base of respiratory clinical science and its application in health care.

Unless students already have an RRT Certification and associate's degree, the following matriculation requirements may apply.

## Matriculation Requirements

1. Complete the following coursework:

- College English (6 credits)
- Quantitative Literacy
- Personal Health and Wellness
- Microbiology with lab (4 credits)
- College Biology with lab (5 credits)
- Chemistry (4 credits)
- Human Anatomy with lab (4 credits)
- Human Physiology with lab (4 credits)
- Physics
- Survey of Respiratory Therapy

Note: Must pass all general education and pre-requisite courses with a minimum of a "C" grade or higher

2. Complete the Test of Academic Skills (TEAS)

3. Submit the Respiratory Therapy Application Fee and Application by the third Friday in September

4. Personal Interview: All candidates will be screened and those deemed to meet or exceed basic application requirements will be invited for an interview. This interview does not guarantee acceptance into the program as students will compete with all other applicants for matriculation into a cohort. Applicants must bring a photo ID to the interview.

5. Other Determining Factors

- Prior healthcare experience (preferred, but not required)
- Shadowing opportunity (recommended)
- Discipline for academic performance
- Successful completion of a background check
- Drug Screen

## Program Requirements

Code	Title	Credit Hours
<b>Total Credit Hours</b>		<b>124</b>
<b>General Education Requirements</b>		<b>39 Credits</b>
Complete one of the following:		3
ENGL 1010	Introduction to Academic Writing CC (3)	
ENGL 1005	Literacies and Composition Across Contexts CC (5)	
ENGL 101H	Introduction to Academic Writing CC (3)	
ENGL 2010	Intermediate Academic Writing CC	3
Complete one of the following:		3
MAT 1030	Quantitative Reasoning QL (3)	
MAT 1035	Quantitative Reasoning with Integrated Algebra QL (6)	
STAT 1040	Introduction to Statistics QL (3)	
STAT 1045	Introduction to Statistics with Algebra QL (5)	

MATH 1050	College Algebra QL (4) (or higher QL math course)	
MATH 1055	College Algebra with Preliminaries QL (5)	
Complete one of the following:		3
HIST 1700	American Civilization AS (3)	
HIST 170H	American Civilization AS (3)	
HIST 2700 & HIST 2710	US History to 1877 AS and US History since 1877 AS (6)	
HIST 270H & HIST 271H	US History to 1877 AS and US History since 1877 AS (6)	
POLS 1000	American Heritage AS (3)	
POLS 1100	American National Government AS (3)	
Complete the following:		
PHIL 205G	Ethics and Values IH GI	3
HLTH 1100 or EXSC 1097	Personal Health and Wellness TE Fitness for Life TE	2
Distribution Courses		
MICR 2060 & MICR 2065	Microbiology for Health Professions BB and Microbiology for Health Professions Laboratory	4
CHEM 1110 or CHEM 1210	Elementary Chemistry for the Health Sciences PP Principles of Chemistry I PP	4
BIOL 1610 & BIOL 1615	College Biology I BB and College Biology I Laboratory	5
Humanities		3
Fine Arts		3
PSY 1100 or PSY 1010	Human Development Life Span SS General Psychology SS	3
<b>Discipline Core Requirements</b>		<b>85</b>
		<b>Credits</b>
Complete the following:		
ZOOL 2320	Human Anatomy	3
ZOOL 2325	Human Anatomy Laboratory	1
ZOOL 2420	Human Physiology	3
ZOOL 2425	Human Physiology Laboratory	1
PHYS 1010	Elementary Physics PP	3
RESP 1540	Survey of Respiratory Therapy	1
Must be accepted into The Respiratory Therapy Program to take the following courses.		
RESP 2145	Fundamentals of Respiratory Care Lab	3
RESP 2165	Mechanical Ventilation Lab	2
RESP 2210	Cardiopulmonary and Renal Anatomy and Physiology I	3
RESP 2230	Cardiopulmonary Pathophysiology I	2
RESP 2250	Basic Patient Assessment	2
RESP 2270	Application of Cardiopulmonary Diagnostics	3
RESP 2300	Fundamentals of Respiratory Care	3
RESP 2320	Mechanical Ventilation I	3
RESP 2330	Entry Level Respiratory Therapy Review	1
RESP 2420	Critical Thinking in Respiratory Care	2
RESP 2520	Principles of Pharmacology	2
RESP 2705	Clinical Practice I	3
RESP 2715	Specialty Clinical Experiences	1
RESP 2725	Clinical Practice II	3
All lower Division RESP courses must be complete before enrolling in RESP upper division courses.		
RESP 3210	Cardiopulmonary and Renal Anatomy and Physiology II	2
RESP 3220	Cardiopulmonary Pathophysiology II	2

RESP 3260	Neonatal/Pediatric Critical Care	3
RESP 3265	Neonatal/Pediatric Critical Care Lab	1
RESP 3270	Adult Critical Care	2
RESP 3280	Extended Care Roles for Respiratory Therapists	2
RESP 3320	Mechanical Ventilation II	3
RESP 3325	Mechanical Ventilation II Lab	1
RESP 3430	Principles of Healthcare Education and Disease Management WE	3
RESP 3765	Clinical Practice III Neonatal/Pediatric Respiratory Care	3
RESP 3785	Extended Roles in Respiratory Therapy Clinical	2
NURS 4120 or RESP 4940	Rapid Response Concepts Across the Lifespan Special Topics in Respiratory Therapy	1
RESP 4610	Advanced Patient Assessment WE	3
RESP 4640	Respiratory Therapy Capstone	2
RESP 4775	Clinical Practice IV Adult Critical Care	4
RESP 4800	Respiratory Therapy Seminar	3
RESP 4890	Principles of Respiratory Care Research and Management	3

## Graduation Requirements

1. Completion of a minimum of 124 semester credits, including at least 40 hours of upper-division credits.
2. Must earn a C or higher in ALL Respiratory Therapy discipline courses, general education courses, and pre-requisite courses.
3. Completion of GE and specified departmental requirements.
4. Residency hours--minimum of 30 credit hours through course attendance at UVU.
5. Successful completion of at least one Global/Intercultural course.

## Graduation Plan

This graduation plan is a sample plan and is intended to be a guide. Your specific plan may differ based on your Math and English placement and/or transfer credits applied. You are encouraged to meet with an advisor and set up an individualized graduation plan in Wolverine Track (<http://www.uvu.edu/wolverinetrack/>).

### First Year

Semester 1		Credit Hours
RESP 1540	Survey of Respiratory Therapy	1
Complete one of the following: (or higher)		3
MAT 1030	Quantitative Reasoning QL	
MAT 1035	Quantitative Reasoning with Integrated Algebra QL	
STAT 1040	Introduction to Statistics QL	
STAT 1045	Introduction to Statistics with Algebra QL	
MATH 1050	College Algebra QL	
MATH 1055	College Algebra with Preliminaries QL	
PSY 1010 or PSY 1100	General Psychology SS or Human Development Life Span SS	3
HLTH 1100 or EXSC 1097	Personal Health and Wellness TE or Fitness for Life TE	2
ENGL 1010 or ENGH 1005	Introduction to Academic Writing CC or Literacies and Composition Across Contexts CC	3
<b>Credit Hours</b>		<b>12</b>

### Semester 2

ENGL 2010	Intermediate Academic Writing CC	3
CHEM 1110 or CHEM 1210	Elementary Chemistry for the Health Sciences PP or Principles of Chemistry I PP	4
BIOL 1610	College Biology I BB	4
BIOL 1615	College Biology I Laboratory	1
<b>Credit Hours</b>		<b>12</b>

### Second Year

Semester 3		Credit Hours
ZOOL 2320	Human Anatomy	3
ZOOL 2325	Human Anatomy Laboratory	1
PHYS 1010	Elementary Physics PP	3

Humanities Distribution		3
American Institutions		3
	<b>Credit Hours</b>	<b>13</b>
<b>Semester 4</b>		
ZOOL 2420	Human Physiology	3
ZOOL 2425	Human Physiology Laboratory	1
MICR 2060	Microbiology for Health Professions BB	3
MICR 2065	Microbiology for Health Professions Laboratory	1
Fine Arts Distribution		3
PHIL 205G	Ethics and Values IH GI	3
	<b>Credit Hours</b>	<b>14</b>
<b>Third Year</b>		
<b>Semester 5</b>		
Spring Start ONLY		
RESP 2145	Fundamentals of Respiratory Care Lab	3
RESP 2210	Cardiopulmonary and Renal Anatomy and Physiology I	3
RESP 2230	Cardiopulmonary Pathophysiology I	2
RESP 2250	Basic Patient Assessment	2
RESP 2300	Fundamentals of Respiratory Care	3
RESP 2520	Principles of Pharmacology	2
	<b>Credit Hours</b>	<b>15</b>
<b>Semester 6</b>		
RESP 2165	Mechanical Ventilation Lab	2
RESP 2270	Application of Cardiopulmonary Diagnostics	3
RESP 2320	Mechanical Ventilation I	3
RESP 2705	Clinical Practice I	3
RESP 2420	Critical Thinking in Respiratory Care	2
RESP 2715	Specialty Clinical Experiences	1
	<b>Credit Hours</b>	<b>14</b>
<b>Fourth Year</b>		
<b>Semester 7</b>		
RESP 2330	Entry Level Respiratory Therapy Review	1
RESP 2725	Clinical Practice II	3
RESP 3210	Cardiopulmonary and Renal Anatomy and Physiology II	2
RESP 3280	Extended Care Roles for Respiratory Therapists	2
RESP 3260	Neonatal/Pediatric Critical Care	3
RESP 3265	Neonatal/Pediatric Critical Care Lab	1
NURS 4120 or RESP 4940	Rapid Response Concepts Across the Lifespan or Special Topics in Respiratory Therapy	1
	<b>Credit Hours</b>	<b>13</b>
<b>Semester 8</b>		
RESP 3220	Cardiopulmonary Pathophysiology II	2
RESP 3270	Adult Critical Care	2
RESP 3320	Mechanical Ventilation II	3
RESP 3325	Mechanical Ventilation II Lab	1
RESP 3430	Principles of Healthcare Education and Disease Management WE	3
RESP 3765	Clinical Practice III Neonatal/Pediatric Respiratory Care	3
RESP 3785	Extended Roles in Respiratory Therapy Clinical	2
	<b>Credit Hours</b>	<b>16</b>
<b>Semester 9</b>		
RESP 4610	Advanced Patient Assessment WE	3
RESP 4775	Clinical Practice IV Adult Critical Care	4
RESP 4640	Respiratory Therapy Capstone	2
RESP 4800	Respiratory Therapy Seminar	3
RESP 4890	Principles of Respiratory Care Research and Management	3
	<b>Credit Hours</b>	<b>15</b>
	<b>Total Credit Hours</b>	<b>124</b>

## **Program Learning Outcomes**

1. Work effectively as a team member with physicians, nurses, therapists and patients as an integral part of the medical community.
2. Make correct interventional medical decisions based on assessment of patient needs and diagnosis within the scope of therapist driven protocols.
3. Comply with the ethical and legal parameters of HIPAA in the use and disclosure patients' health information.