

# Respiratory Therapy, BS

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## Program Description

A Bachelor of Science in Respiratory Therapy consists of comprehensive classroom and clinical curricula that prepare students for the credentialing exam offered by the National Board of Respiratory Care (NBRC). The NBRC is the credentialing arm of the American Association of Respiratory Care (AARC). Successful completion of the curriculum and the credentialing exam certifies students as a Registered Respiratory Therapist (RRT) and enables them to apply for licensure in their state of residence. Employment opportunities with health care providers range from home health and hospice to neonatal, pediatric, and adult intensive care units in Utah Tech University's (Utah Tech) service area and across the country.

## Licensure

Graduates are eligible to sit for the National Board for Respiratory Care examinations under the Commission on Accreditation for Respiratory Care (CoARC) Initial Accreditation Status, to become credentialed as National Board for Respiratory Care Certified or Registered Respiratory Therapists (CRT or RRT). These credentials allow therapists to become licensed to practice respiratory care in Utah as well as throughout the USA and Canada.

## Professional Licensure/Certification (PLC) Requirements

The curriculum for programs at Utah Tech University leading to professional licensure are designed to prepare students for Utah licensure and certification requirements. Admission into programs for professions requiring licensure and certification does not guarantee that students will obtain a license or certificate. Licensure and certification requirements are set by agencies that are not controlled by or affiliated with the University, and licensure and certification requirements can change at any time.

Licensure boards in each state establish requirements for licensure and certification for their respective state. States vary by which professions are required to be licensed and how licensure functions, and such requirements may change at any time. The terms related to licensure and certification, among others, also vary by state as well.

Students and prospective students are strongly encouraged to contact the state licensure entity in the state where they intend to work to review all licensure and certification requirements imposed by the student's state(s) of choice. The University cannot provide verification of a student's ability to meet licensure or certification requirements unrelated to its educational programming. Some states require individuals to complete additional requirements that are unrelated to educational prerequisites. For more information, visit the State Authorization and Professional Licensure (<https://academics.utahtech.edu/state-authorization/>) web page and select the program, or speak to the director of the program.

Utah Tech University shall not be held liable if a student is unable to qualify for licensure or certification in any jurisdiction.

This disclosure is made pursuant to 34 CFR §668.43(a)(5)(v)(C).

## Accreditation

The Utah Tech University Respiratory Therapy Program is fully accredited by the Commission on Accreditation for Respiratory Care (CoARC; #200565).

Commission on Accreditation for Respiratory Care

264 Precision Blvd.

Telford, TN 37690

Phone: 817-283-2835

Fax: 817-354-8519

<http://coarc.com> (<http://coarc.com/>)

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## Admission Requirements

To be considered for admission to the Respiratory Therapy program, an applicant must first be accepted as a Utah Tech University student. Then, the applicant must complete a separate application to the Respiratory Therapy program.

The application deadline is May 1st. Applications are available from the Respiratory Therapy program website at: <https://health.Utah Tech.edu/respiratory-therapy/program-admissions/> (<https://health.utahtech.edu/respiratory-therapy/program-admissions/>).

Admission to the Respiratory Therapy program is based upon academic performance in both general education and specific program prerequisite courses in addition to other selection criteria, including:

1. Submission of a complete Program Application
2. Minimum cumulative GPA of 2.25 or higher

3. Completion with a “C” or better of specified program prerequisite courses
4. Individual interview with the Respiratory Therapy Program Selection Committee

Additional factors that will be taken into consideration for program admission include previous healthcare experience and weighted GPA in specific prerequisite courses. A criminal background check and selected immunizations will be required upon acceptance to the program.

Code	Title	Hours
Program Prerequisites:		
ENGL 1010	Introduction to Writing (EN)	3
MATH 1030	Quantitative Reasoning (MA) (or higher [MATH 1040 recommended])	3-4
PSY 1010	General Psychology (SS, GC)	3
or PSY 1100	Human Development Through Lifespan (SS, GC)	
or FSHD 1500	Human Development Lifespan (SS, GC)	
or SOC 1010	Introduction to Sociology (SS, GC)	
or SOC 1020	Social Problems (SS, GC)	
CHEM 1010	Introduction to Chemistry (PS) (or higher [CHEM 1150 recommended])	3
CHEM 1015	Introduction to Chemistry Lab (LAB) (or higher [CHEM 1155 recommended])	1
BIOL 2320 & BIOL 2325	Human Anatomy and Human Anatomy Lab	5
BIOL 2420 & BIOL 2425	Human Physiology and Human Physiology Lab	4
RESP 1010	Introduction to Respiratory Therapy	2
Recommended Prerequisites: <sup>1</sup>		
NURS 3900	Pathophysiology	
or BIOL 4400	Pathophysiology	

<sup>1</sup> NURS 3900 or BIOL 4400 and HLTH 4020 are preferred prerequisites, but not required. These courses may be taken prior to beginning the Respiratory Therapy Program.

Students must complete specified prerequisite courses prior to admission to the Respiratory Therapy Program. Respiratory Therapy Program courses include 64 semester hours that must be completed sequentially. Students will be eligible for employment after graduation and meeting licensure requirements.

## Program Curriculum

121 credits

### Utah Tech General Education Requirements

All Utah Tech General Education requirements must be fulfilled. A previously earned degree may fulfill those requirements, but courses must be equivalent to Utah Tech's minimum General Education standards in American Institutions, English, and Mathematics.

Code	Title	Hours
General Education Core Requirements ( <a href="http://catalog.utahtech.edu/programs/generaleducation/#gerequirementstext">catalog.utahtech.edu/programs/generaleducation/#gerequirementstext</a> )		
	English	3-7
	Mathematics	3-5
	American Institutions	3-6
	Life Sciences	3-10
	Physical Sciences	3-5
	Fine Arts	3
	Literature/Humanities	3
	Social & Behavioral Sciences	3
	Exploration	3-5

Code	Title	Hours
Respiratory Therapy Required Courses		
BIOL 2320 & BIOL 2325	Human Anatomy and Human Anatomy Lab	5

BIOL 2420 & BIOL 2425	Human Physiology and Human Physiology Lab	4
CHEM 1010	Introduction to Chemistry (PS) (or higher [CHEM 1150 recommended])	3
CHEM 1015	Introduction to Chemistry Lab (LAB) (or higher [CHEM 1155 recommended])	1
HLTH 4020	Research Methodology in Population Health	3
MATH 1030	Quantitative Reasoning (MA) (or higher [MATH 1040 recommended])	3-4
NURS 3900 or BIOL 4400	Pathophysiology Pathophysiology	3
PSY 1010 or PSY 1100 or FSHD 1500 or SOC 1010 or SOC 1020	General Psychology (SS, GC) Human Development Through Lifespan (SS, GC) Human Development Lifespan (SS, GC) Introduction to Sociology (SS, GC) Social Problems (SS, GC)	3
RESP 1010	Introduction to Respiratory Therapy	2
RESP 2020	Cardiopulmonary Anatomy and Physiology	3
RESP 2040	Respiratory Care Therapeutics I	3
RESP 2041	Laboratory Practice/Therapeutics I	2
RESP 2060	Patient Assessment	2
RESP 2065	Cardiopulmonary Pathophysiology	3
RESP 2200	Cardiopulmonary Diagnostics	3
RESP 2100	Clinical Practice I	5
RESP 2070	Respiratory Care Therapeutics II	3
RESP 2300	Introduction to Mechanical Ventilation	3
RESP 2301	Laboratory/Adult Mechanical Ventilation	2
RESP 3005	Critical Care/ACLS	3
RESP 3010	Introduction to Respiratory Care Pharmacology	3
RESP 3020	Neonatal/Pediatric Respiratory Care	3
RESP 3021	Laboratory Practice/Neonatal Care	2
RESP 3150	Critical Thinking Seminar/NBRC Review	3
RESP 3310	Advanced Mechanical Ventilation	4
RESP 3765	Clinical Practice III / Clinical Application of Neonatal / Pediatric Respiratory Care	5
RESP 3775	Clinical Practice II / Clinical Application of Adult Critical Care	5
RESP 4230	Advanced Diagnosis, Assessment, and Management of Respiratory Disease	3
RESP 4410	Teaching Foundations and Techniques for Healthcare Professionals	4
Recommended Electives:		
HLTH 2010	Health & Disease	
HLTH 2700	Consumer Health Issues	
HLTH 3310	Health Promotion	
HLTH 3400	Healthcare Project Management	
HLTH 3600	Patient Navigation	
HLTH 4020	Research Methodology in Population Health	

## Graduation Requirements

1. Complete a minimum of 120 college-level credits (1000 and above).
2. Complete at least 40 upper-division credits (3000 and above).
3. Complete at least 30 upper-division credits at Utah Tech for institutional residency.
4. Cumulative GPA 2.0 or higher.

Graduation Plan

**1st Year**

<b>Fall Semester</b>	<b>Hours Spring Semester</b>	<b>Hours</b>
General Education (Fine Arts) (catalog.utahtech.edu/ programs/ generaleducation/ #gerequirementstext)	3 BIOL 2320 & BIOL 2325	5
General Education (American Institutions) (catalog.utahtech.edu/ programs/ generaleducation/ #gerequirementstext)	3 ENGL 2010	3
ENGL 1010	3 CHEM 1010 (or higher)	3
MATH 1030 (or higher)	3 CHEM 1015 (or higher)	1
	<b>12</b>	<b>12</b>

**2nd Year**

<b>Fall Semester</b>	<b>Hours Spring Semester</b>	<b>Hours</b>
BIOL 2420 & BIOL 2425	4 PSY 1010, 1100, FSHD 1500, SOC 1010, or SOC 1020	3
RESP 1010	2 Electives	8
General Education (Literature/Humanities) (catalog.utahtech.edu/ programs/ generaleducation/ #gerequirementstext)	3 General Education (Exploration) (catalog.utahtech.edu/ programs/ generaleducation/ #gerequirementstext)	3
HLTH U/D Elective or other U/D course	3	
Electives	3	
	<b>15</b>	<b>14</b>

**3rd Year**

<b>Fall Semester</b>	<b>Hours Spring Semester</b>	<b>Hours Summer Semester</b>	<b>Hours</b>
RESP 2020	3 RESP 2070	3 RESP 2300	3
RESP 2040	3 RESP 2200	3 RESP 2301	2
RESP 2041	2 RESP 2100	5 RESP 3005	3
RESP 2060	2 RESP 2065	3 RESP 3775	5
RESP 3010	3 RESP 4410	4 RESP 4230	3
NURS 3900 or BIOL 4400	3		
	<b>16</b>	<b>18</b>	<b>16</b>

**4th Year**

<b>Fall Semester</b>	<b>Hours</b>
RESP 3020	3
RESP 3021	2
RESP 3150	3
RESP 3310	4
RESP 3765	5
	<b>17</b>

**Total Hours 120****BS Respiratory Therapy Program Learning Outcomes**

At the successful conclusion of this program, students will be able to:

1. Provide comprehensive patient assessment and care using therapist-driven protocols and evidence-based medicine.
2. Demonstrate understanding and application of AARC code of ethics and professionalism including patient rights and HIPPA confidentiality.
3. Promote health and wellness through patient and family education and community outreach.
4. Demonstrate critical thinking skills when making patient bedside decisions.
5. Use oral and written communication skills in collaboration with other members of the health care team.