

Respiratory Therapy, BS

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 Dixie State University's (DSU) service area and across the country.

LICENSURE

The curriculum for programs at Dixie State University customarily leading to licensure have been designed to meet the licensure/certification requirements in Utah as well as preparing students to apply for licensure exams in the State of Utah (see the licensing website (<https://dopl.utah.gov/>) for more information regarding licensure in Utah). The licensure boards in each state are responsible for establishing the requirements for licensure/certification for their state. Requirements may vary from state to state and may change at any time. Students who intend to use their DSU degree to secure licensure in any state other than Utah will need to review the professional licensure disclosures in that state pertaining to their program and consult with the state professional licensing board. For more information speak with a program advisor in the DSU academic department offering the program.

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.

ACCREDITATION

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

Commission on Accreditation for Respiratory Care
1248 Harwood Road
Bedford, TX 76021
Phone: 817-283-2835
Fax: 817-354-8519
<http://coarc.com> (<http://coarc.com/>)

Admission Requirements

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

Application deadline is May 1st. Applications are available from the Respiratory Therapy program website at: <https://health.dixie.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 health care 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 1050	College Algebra / Pre-Calculus (MA)	4
PSY 1010	General Psychology (SS, GC)	3

CHEM 1150 & CHEM 1155	Integrated Chemistry for Health Sciences and Integrated Chemistry for Health Sciences Laboratory	5
BIOL 2320 & BIOL 2325	Human Anatomy and Human Anatomy Lab	5
BIOL 2420 & BIOL 2425	Human Physiology and Human Physiology Lab	4
NURS 3900	Pathophysiology	3
RESP 1010	Introduction to Respiratory Therapy	2

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

DSU General Education Requirements

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

Code	Title	Hours
General Education Core Requirements (catalog.dixie.edu/programs/generaleducation/#gerequirementstext)		
	English	3-7
	Mathematics	3-5
	American Institutions	3-6
	Life Sciences	3-10
	Physical Sciences	3-5
	Laboratory Science	0-1
	Fine Arts	3
	Literature/Humanities	3
	Social & Behavioral Sciences	3
	Exploration	3-5

Code	Title	Hours
Respiratory Therapy Required Courses		
BIOL 1300	Evolution & Ecology	1
BIOL 2320 & BIOL 2325	Human Anatomy and Human Anatomy Lab	5
BIOL 2420 & BIOL 2425	Human Physiology and Human Physiology Lab	4
CHEM 1150 & CHEM 1155	Integrated Chemistry for Health Sciences and Integrated Chemistry for Health Sciences Laboratory	5
RESP 1010	Introduction to Respiratory Therapy	2
NURS 3900	Pathophysiology	3
MATH 1050	College Algebra / Pre-Calculus (MA)	4
PSY 1010	General Psychology (SS, GC)	3
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
Choose 4 of the following courses:		
HLTH 2010	Health & Disease	3
HLTH 2700	Consumer Health Issues	3
HLTH 3010	Population & Community Health	3
HLTH 3020	U.S. & World Health Systems	3
HLTH 3040	Environmental Health	3
HLTH 3310	Health Promotion	3
HLTH 3385	Healthcare Quality and Safety	3
HLTH 3400	Healthcare Project Management	3
HLTH 3500	Health Organization Financial Analysis	3
HLTH 3600	Patient Navigation	3
HLTH 3750	Health Determinants & Disparities	3
HLTH 3800	Genetics & Disease	3
HLTH 3900	Infectious Disease	3
HLTH 4010	Biostatistics & Epidemiology	3
HLTH 4020	Research Methodology in Population Health	3
HLTH 4030	Leadership & Group Dynamics	3
HLTH 4400	Health Law & Ethics	3
HLTH 4500	Global Health	3
HLTH 4600	Health Economics	3
HLTH 4700	Nursing Home Administration	3
HLTH 4710	Residential Care Administration	3
HLTH 4720	Home and Community Based Services	3
HLTH 4760	Applied Case Studies in Population Health	3
HLTH 4770	Population Health Lecture Series	3
HLTH 4790	Management of Healthcare Organizations & Strategy	3
HLTH 4800	Health Policy	3

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 DSU for institutional residency.
4. Cumulative GPA 2.0 or higher.

Graduation Plan

1st Year

Fall Semester

		Hours
GE Fine Arts		3
MATH 1050	College Algebra / Pre-Calculus (MA)	4

GE American Institutions		3
BIOL 1300	Evolution & Ecology	1
ENGL 1010	Introduction to Writing (EN)	3
	Hours	14
Spring Semester		
BIOL 2320 & BIOL 2325	Human Anatomy and Human Anatomy Lab	5
ENGL 2010	Intern Writing Selected Topics: (EN)	3
CHEM 1150 & CHEM 1155	Integrated Chemistry for Health Sciences and Integrated Chemistry for Health Sciences Laboratory	5
PSY 1010	General Psychology (SS, GC)	3
	Hours	16
2nd Year		
Fall Semester		
BIOL 2420 & BIOL 2425	Human Physiology and Human Physiology Lab	4
RESP 1010	Introduction to Respiratory Therapy	2
GE Literature/Humanities		3
HLTH Elective course		3
	Hours	12
Spring Semester		
HLTH Elective Course		3
GE Exploration		3
HLTH Elective Course		3
HLTH Elective Course		3
	Hours	12
3rd Year		
Fall Semester		
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 3010	Introduction to Respiratory Care Pharmacology	3
NURS 3900	Pathophysiology	3
	Hours	16
Spring Semester		
RESP 2070	Respiratory Care Therapeutics II	3
RESP 2200	Cardiopulmonary Diagnostics	3
RESP 2100	Clinical Practice I	5
RESP 2065	Cardiopulmonary Pathophysiology	3
RESP 4410	Teaching Foundations and Techniques for Healthcare Professionals	4
	Hours	18
4th Year		
Fall Semester		
RESP 2300	Introduction to Mechanical Ventilation	3
RESP 2301	Laboratory/Adult Mechanical Ventilation	2
RESP 3775	Clinical Practice II / Clinical Application of Adult Critical Care	5
RESP 4230	Advanced Diagnosis, Assessment, and Management of Respiratory Disease	3
RESP 3005	Critical Care/ACLS	3
	Hours	16
Spring Semester		
RESP 3310	Advanced Mechanical Ventilation	4

RESP 3020	Neonatal/Pediatric Respiratory Care	3
RESP 3021	Laboratory Practice/Neonatal Care	2
RESP 3765	Clinical Practice III / Clinical Application of Neonatal / Pediatric Respiratory Care	5
RESP 3150	Critical Thinking Seminar/NBRC Review	3
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	Hours	17
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	Total Hours	121

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.