

Program Specifications – RESPIRATORY THERAPIST PROGRAM

Function Number	Essential Functions RESPIRATORY THERAPY
1	Review, collect and interpret data in the patient's medical record
2	Assess patient's overall status, including use of inspection, palpation, and auscultation
3	Follow CDC and institutional policies to prevent transmission of infection
4	Position patients of all ages, sexes, and body types
5	Develop a respiratory care plan and independently modify plan based on patient response
6	Apply respiratory therapy and biological science concepts to patient care situations
7	Document care in the medical record
8	Administer medical gases
9	Administer pharmacologic agents via inhalation or airway instillation
10	Draw arterial blood samples
11	Use a variety of techniques to remove bronchopulmonary secretions
12	Use a variety of techniques to improve lung expansion
13	Manage mechanical ventilators in the care of adult, pediatric, and neonatal patients
14	Treat cardiopulmonary emergencies according to BLS, ACLS, PALS, and NRP guidelines
15	Perform pulmonary function tests
16	Assist the physician in special procedures including bronchoscopy, intubation, chest tube insertion
17	Monitor patient response to therapeutic and/or diagnostic interventions
18	Provide instruction on home care procedures and disease management to patients and family members
19	Communicate effectively with patients, family members, peers, physicians, and other healthcare professionals
20	Respect values and beliefs of individuals/families from a variety of social, emotional, cultural, and intellectual backgrounds
21	Provide care for individuals of all ages across the continuum of care (from hospital to home)
22	Transport and set up equipment; transport patient/bed
23	Assure safe and effective operation of equipment; identify and correct malfunctions

<b>24</b>	Use technology, including electronic medical record, mechanical ventilators and online resources
<b>25</b>	Assume responsibility for personal goals, professional development and success
<b>26</b>	Practice respiratory therapy according to established professional, ethical and institutional standards
<b>27</b>	Independently carry out responsibilities as part of the healthcare team and complete assigned workload in a timely fashion
<b>28</b>	Function in a fast-paced, dynamic work environment that may include working varied shifts, weekends and holidays

**Program Specifications – RESPIRATORY THERAPIST PROGRAM**

Physical Factors	YES	NO	Essential Function/s Numbers
Standing	◆		2, 4, 10-16, 22-24, 27, 28
Walking	◆		2, 4, 11-16, 22, 23, 27, 28
Sitting	◆		1, 5, 10, 18, 24,
Lifting			
10 lbs.	◆		4, 22
20 lbs.	◆		4, 22
50 lbs.	◆		4
100 lbs.		◆	
100 lbs. +		◆	
Carrying			
10 lbs.	◆		8, 13, 22
20 lbs.	◆		13, 22
50 lbs.		◆	
100 lbs.		◆	
100 lbs. +		◆	
Pushing/Pulling			
10 lbs.	◆		4, 13, 14, 16, 22
20 lbs.	◆		4, 13, 14, 16, 22
50 lbs.	◆		4, 13, 14, 16, 22
100 lbs.	◆		4, 13, 14, 16, 22
100 lbs. +	◆		4, 14, 16, 22
Climbing		◆	
Balancing		◆	
Bending	◆		2, 4, 8-14, 16, 22, 28
Stooping	◆		2, 4, 8-14, 16, 22, 28
Crouching	◆		2, 4, 8-14, 16, 22, 28
Kneeling	◆		14
Crawling		◆	
Running		◆	
Twisting	◆		2, 4, 8-14, 16, 22, 28
Turning	◆		2, 4, 8-14, 16, 22, 28
Jumping	◆		
Grasping – Firm/Strong	◆		4, 8-17, 22, 23

Physical Factors	YES	NO	Essential Function/s Number
Grasping-Light	◆		2, 8-13, 15-17, 23
Finger Dexterity	◆		3, 8-17, 23, 24
Reaching Forward	◆		2, 4, 8-14, 16, 22, 28
Reaching Overhead	◆		2-4, 8-14, 16, 22, 28
Pinching	◆		3, 9-17, 23
Simultaneous use of hand, wrist, fingers (e.g. typing, data entry)	◆		2, 3, 7, 10, 11, 13-15, 22, 23
Coordination			
Eye-hand	◆		7, 10, 11, 14, 16, 23, 24
Eye-hand-foot		◆	
Driving		◆	
Touch			
Characteristics (size, shape, texture)	◆		2, 10, 11
Vibration/palpation	◆		2, 10, 17
Temperature	◆		2, 17
Vision			
Acuity, Near	◆		1,7, 10, 11, 13, 16, 17, 23, 24
Acuity, Far	◆		4, 22, 28
Depth perception	◆		2, 4, 10, 11, 14, 16, 22, 28
Accommodation	◆		1
Color vision	◆		2, 10, 11, 14, 17
Field of vision	◆		4, 13, 14, 16, 17
Hearing			
Face-to-face conversation	◆		2, 4, 14, 15, 18-21
Verbal conversation with others	◆		2, 4, 5, 14-16, 18-21
Public speaking		◆	
Hear normal conversation	◆		2, 4, 5, 14-16, 18-21
Hear telephone conversation	◆		5, 19, 28
Hear equipment alarms	◆		8, 13, 17, 23, 28

**Program Specifications – RESPIRATORY THERAPIST PROGRAM**

Environmental Factors	YES	NO	Essential Function/s Number
Works indoors	◆		1-28
Works outdoors		◆	
Exposure to extreme hot or cold temp		◆	
Working at unprotected heights		◆	
Being around moving machinery		◆	
Exposure to marked changes in temperature/humidity		◆	
Exposure to dust, fumes, smoke, gases, odors, mists or other irritating particles ( <i>specify</i> ) ( <i>Ethylene oxid gas</i> )	◆		3, 9, 15, 23
Exposure to toxic or caustic chemicals	◆		3
Exposure to excessive noises	◆		8
Exposure to radiation or electrical energy	◆		13, 16, 22
Exposure to solvents, grease, or oils	◆		23
Exposure to slippery or uneven walking surfaces	◆		22, 28
Working in confined spaces	◆		22, 28
Using computer monitor	◆		1, 7, 24, 28
Working with explosives		◆	
Exposure to vibration	◆		11
Exposure to flames or burning items		◆	
Works around others	◆		1, 14, 16, 25-28

Environmental Factors	YES	NO	Essential Function/s Number
Works alone	◆		5, 27, 28
Works with others	◆		2, 4, 14, 16, 18, 27, 28
Safety Equipment ( <i>Required to wear</i> )			
Safety glasses	◆		3
Face mask/face shield	◆		3
Ear plugs	◆		8
Hard Hat		◆	
Protective Clothing	◆		3

Program Specifications – RESPIRATORY THERAPIST PROGRAM

Cognitive/Mental Factors	YES	NO	Essential Function/s Number
<b>Reasoning</b> Deal with abstract and concrete variables, define problems, collect data, establish facts, and draw valid conclusions	◆		1, 2, 5, 6, 8-15, 17, 18, 20, 21, 23, 27, 28
Interpret instructions furnished in oral, written, diagrammatic, or schedule form	◆		1, 3, 5, 7, 14, 23, 25, 27, 28
Deal with problems from standard situations	◆		1, 3-5, 23, 27, 28
Carry out detailed but uninvolved written or oral instructions	◆		3, 5, 14, 16
Carry out one or two step instructions		◆	
<b>Mathematics</b> <b>Complex skills</b> –Business math, algebra, geometry or statistics	◆		1, 5, 8, 9, 12, 13, 15, 17
<b>Simple skills</b> – add, subtract, multiply and divide whole numbers and fractions, calculate time and simple measurements	◆		11
<b>Reading</b> <b>Complex skills</b> - Comprehend newspapers, manuals, journals, instructions in use and maintenance of equipment, safety rules and procedures and drawings	◆		1, 13, 18, 23, 25-28

Cognitive/Mental Factors	YES	NO	Essential Function/s Number
<b>Simple skills</b> - Comprehend simple instructions or notations from a log book	◆		7, 13, 15, 27, 28
<b>Writing</b> <b>Complex skills</b> – Prepare business letters, report summaries using prescribed form at and conforming to all rules of punctuation, spelling, grammar, diction and style	◆		5, 18
<b>Simple skills</b> – English sentences containing subject, verb and object; names and addresses, complete job application or notations in log book	◆		7, 8, 13, 15, 17, 23
<b>Perception</b> Spatial – ability to comprehend forms in space and understand relationships of plane and solid objects; frequently described as the ability to “visualize” objects of two or three dimensions, or to think visually of geometric forms	◆		4, 10, 11, 22, 23
<b>Form</b> – ability to perceive pertinent detail in objects or in pictorial or graphic material; to make visual comparisons and discriminations and see slight differences in shapes and shadings of figures and widths and lengths of line	◆		13, 15

Program Specifications – RESPIRATORY THERAPIST PROGRAM

Cognitive/Mental Factors	YES	NO	
<b>Clerical</b> – ability to perceive pertinent detail in verbal or tabular material; to observe differences in copy, to proof-read words and numbers, and to avoid perceptual errors in arithmetic computation	◆		1, 7, 9, 13, 15, 18, 21, 23, 25, 27, 28
<b>Data</b>			
Synthesizing	◆		1, 5-7, 13, 17
Coordinating	◆		5
Analyzing	◆		1-7, 13-15, 17
Compiling	◆		5
Computing	◆		1, 5, 13
Copying	◆		5, 7, 13, 15
Comparing	◆		1, 2, 5, 6, 13, 15, 17
Personal traits			
Ability to comprehend and follow instructions	◆		7, 14, 16, 23, 24, 27, 28
Ability to perform simple and repetitive tasks	◆		22
Ability to maintain a work pace appropriate to a given work load	◆		27, 28
Ability to relate to other people beyond giving and receiving instructions	◆		2, 4, 5, 18-21
Ability to influence people	◆		5, 18, 19
Ability to perform complex or varied tasks	◆		3, 8-17, 23, 24, 27, 28

Cognitive/Mental Factors	YES	NO	Essential Function/s Number
Ability to make generalizations, evaluations or decisions without immediate supervision	◆		1-28
Ability to accept and carry out responsibility for direction, control and planning	◆		5, 18, 21, 25-28

**WESTERN TECHNICAL COLLEGE  
HEALTH AND PUBLIC SAFETY DIVISION PROGRAMS**

***Respiratory Therapist Program***

**Essential Functions Student Signature Page  
To Be Completed Before Program Entry**

Yes       No      I have read and I understand the Essential Functions relative to the Respiratory Therapist program.

Yes       No      I am able to meet the Functional Ability standards as specified and do not need any reasonable accommodation to meet those standards at this time.

\_\_\_\_\_ (✓)      I require the following reasonable accommodation(s) to meet the Functional Ability standard as specified:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_  
Printed Name of Student

\_\_\_\_\_  
Student ID#

\_\_\_\_\_  
Signature of Student

\_\_\_\_\_  
Date

The Americans with Disabilities Act bans discrimination of persons with disabilities, and, in keeping with this law, Western Technical College makes every effort to insure quality education for all students. It is our obligation to inform students of the essential functions demanded by this program and occupation. Students requiring accommodation or special services to meet the Functional Ability standards of the above named program *must* contact the Disability Services office located in the Academic Resource Center, Room 164 or at 785-9875 for assistance.