



2018 Application for Admission

for students seeking entrance into the sophomore year of the

Respiratory Care BS Degree Program

Applications are due on May 11, 2018

(Applicants who turn in application after the application deadline may be considered once all on time applications are reviewed and if space remains in the program)

Selection Information:

To be eligible for admission into the Respiratory Care Program you must have a minimum GPA of 2.75 and the following minimum eligibility requirements must be met:

1. You must submit an Application for Admission to the Oregon Institute of Technology Admissions Office. ***Admission to Oregon Tech is independent of admission to the Respiratory Care Program.***
 - i. An Oregon Tech Application for Admission may be obtained online at www.oit.edu/admissions. Applicants who are admitted to Oregon Tech will be placed in a "pre-respiratory care" major until such time as they are accepted into the Respiratory Care Program.
2. You must have successfully completed or be in the process of completing all freshman pre-respiratory care courses found in the Oregon Tech general catalog.
 - i. Available on-line at <http://www.oit.edu/registrar/registration/catalog>
3. Successful completion of a criminal background check. History of certain crimes will prevent you from entering or progressing in the program or clinical experience. Licensing boards require a clear criminal history and other qualifications the applicant is responsible to know.
4. Completion and passing of a 10-panel drug screen.
5. A health physical in the last three months. The health physical requirements are attached and also located in Castle Branch.
6. The absence of a tobacco scent is required to verify that you are a nonsmoker.
7. Applicants from previous respiratory therapy, nursing, or allied health programs must not have been expelled from the professional curriculum or obtained a failing grade.
8. Schedule an interview.
9. Submit a technical paper from WRI 227 on Respiratory Care or a Self-Introduction that explains your interest in the Respiratory Care Program.

***The criminal background check, 10 panel drug screen, and physical should be completed through CastleBranch. Information on the process is the final page of the application packet.**

RESPIRATORY CARE PROGRAM ADMISSION PROCEDURES

To be considered for admission to the Respiratory Care Program, you must meet minimum admission eligibility and submit a complete application package to the Respiratory Care Program.

Early application is encouraged.

Application materials for fall 2018 are due May 11, 2018.

Mail these materials to:

Respiratory Care Program DOW Hall
Oregon Institute of Technology
3201 Campus Drive
Klamath Falls, OR 97601

Official transcripts from every college or university you have attended, are currently attending or from which you will receive credit must be sent directly to the Respiratory Care Program at the above address. (Failure to list all institutions attended may result in denial of admission).

*Note that you also will need to have official transcripts sent to the Oregon Tech's Admissions Office in order to complete the institutional application process.

Respiratory Care Program Application:

1. Signed consent for physical assessment and arterial blood gas draw.
2. Check or Money Order payable to Oregon Tech RCP for \$40.00
 - a. (This is non-refundable application fee is separate from the application fee that accompanies the Oregon Tech institutional application).
3. Submission of recent immunization records, background check, and drug screen.
4. Proof of Major Medical Insurance.
5. Technical or Self Introduction paper.
6. Applicant interview.

Admitted applicants must comply with these requirements and attend program orientation.

Oregon Institute of Technology
Respiratory Care Program Dow Hall
3201 Campus Drive
Klamath Falls, OR 97601

Passport
Quality
Photo
Attached

**APPLICATION FOR ADMISSION
TO RESPIRATORY CARE PROGRAM
FALL 2018**

Social Security Number _____ Oregon Tech Student ID Number _____

Legal Name: *Last* _____ *First* _____ *Middle* _____

Other name(s) that may appear on your academic records: _____

Preferred First Name: _____

Mailing Address: _____

Street Name and Number

_____ City _____ State _____ Zip Code _____

Permanent Address (if different than above)

Home Telephone: (____) _____ - _____ Work Telephone: (____) _____ - _____

E-mail: _____

Do you currently use tobacco products? Yes No

Have you applied to this Oregon Tech program previously? Yes No

I have read the Essential Functions (page 8) and believe that I am fully capable to perform the physical and cognitive functions of the respiratory care profession.

Signature

Date

My criminal background will indicate the following when completed:

_____ Misdemeanors

_____ Felonies

_____ Clear Record

My 10-Panel Drug Screen will indicated the following when complete:

* If you believe you are on a prescription that will show positive results on a 10-panel drug screen, please be proactive in working with CastleBranch to provide required documentation.

EDUCATION INFORMATION

List every college or university you have attended or are currently attending in which you have or will receive credit (including Oregon Tech). Have **official** academic transcripts from each school sent directly to the Oregon Tech Admissions Office as well as enclosing a copy with your application for the Respiratory Care Program. **(Failure to list all institutions attended may result in denial of admission or in disciplinary action.)** List them in the order they were attended. Attach additional pages if necessary.)

Name of College or University	Location	Dates of Attendance	Degree Earned/ Anticipated
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_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

I agree to follow and abide by the application procedure outlined in this packet. I understand that a selection committee consisting of representatives from Respiratory Care Program and other Oregon Tech employees may review my application. I understand that if I am not accepted to the term for which I am applying, or if I do not enroll for the term to which I am accepted, I will need to re-apply for admission the following year.

To be accepted into the program, I understand that I must obtain:

Health Requirements:

The following health requirements must be fulfilled before registration in the Respiratory Care Program. Documentation that the requirements have been met must be submitted to the Oregon Tech Integrated Student Health Center and CastleBranch. Failure to complete these requirements will result in a “Health Hold” on the student’s account at the Business Office and on registration for the following term.

1. Documentation of two (2) PPD TB tests within the last year.
 - If you require a blood or chest film for TB testing please work directly with a member of the Respiratory Care Faculty.
2. Evidence of adequate immunizations (e.g., official immunization record, signed statement by a physician, immunizations on official high school transcript, etc.).
 - Certification of initiation of Hepatitis B immunization
 - Two doses of measles/mumps/rubella vaccine (MMR) are required by Oregon Law (ORS 433.282) for all full-time college students born on or after January 1, 1957. The 1st dose must be given after the first birthday. The 2nd dose must be after 1989
 - Tetanus, diphtheria, pertussis (Tdap)
 - Varicella (chickenpox) vaccination
 - Hepatitis A, Polio, Influenza and Meningococcal vaccines are strongly recommended

I understand that if I am accepted into the program, I will be expected, with or without accommodation, to demonstrate the essential functions of Respiratory Care (Page 8) in the classroom and the clinical settings (as reflected in objectives and evaluation tools) to successfully complete the program. Once accepted into the Respiratory Care Program, one's program status may be lost should the student engage in cheating, fraud or perform unacceptably in program coursework or clinical. I understand that program status will be governed by the policies and regulations provided in the Respiratory Care student handbook at the time of program admission. I further understand that additional immunizations, criminal background checks and drug screens will be required prior to entering the clinical phase of the program. **Positive drug screens or a significant criminal background will result in failure to progress through the program and expulsion.**

Signature of applicant

Date

The following courses must be completed prior to entering the Respiratory Care Program. You must **provide academic transcripts** indicating the grade, term and year you completed or will complete these courses, use "In progress" to indicate courses in which you are currently enrolled. Write the quarter, year, grade and institution in the table below.

Course Number	Course Name	Credits	Year Completed	Course Name/ Number	Grade	College
BIO 231	Human Anatomy and Physiology I	4				
BIO 232	Human Anatomy and Physiology II	4				
BIO 233	Human Anatomy and Physiology III	4				
BIO 200	Medical Terminology	2				
CHE 101/104	Elementary Chemistry and Lab	4				
MATH111 or MATH 243	College Algebra or Introductory Statistics	4				
PSY	PSY 201, 202 or 203	3				
	Social Science Elective	3				
	Social Science Elective	3				
	Social Science Elective	3				
	Social Science or Math or Science elective	1				
WRI 121	English Composition I	3				
WRI 122	English Composition II	3				
WRI 227	Technical Writing	3				
SPE 111	Fundamentals of Speech	3				
COM 205	Intercultural Communications	3				
	Humanities Elective	3				
	Humanities Elective	3				
	Humanities Elective	3				
	2 years High School Language					High School

I certify that I have provided complete and accurate information on this application. I understand that if it is found to be otherwise, this is sufficient cause for rejection or dismissal from the program or application process. I authorize the release of any information submitted by me in connection with this application to any person, corporation, association or government agency by Oregon Tech only to verify or explain this information.

PROVISION AND RECEIPT OF RESPIRATORY CARE DIAGNOSTIC PROCEDURES

In the course of the respiratory care curriculum, you may be required to serve as a patient for a fellow student (or faculty member). The primary purpose for the delivery of diagnostic, nontherapeutic, or therapeutic services to students by student colleagues (or faculty) is to provide initial clinical encounters that support the clinician's early skill development.

Respiratory Care students may be required to receive procedures, including, but not limited to, examination of the head, neck and chest; acquisition of ECGs; arterial blood gas draw, vital signs; and pulmonary function testing.

In order for procedures to be provided to you in a safe manner, it is necessary that you complete a current health history. Health history information is to be used for treatment delivery only. Access to student treatment records for purposes other than health care delivery is unauthorized.

A description of procedures as well as the risks and benefits are included in this packet. There may be further risk, given the clinician is a student learning to provide the procedure.

Please read the description of each procedure and the benefits and risks associated with each. If you agree to consent to these procedures, sign the informed consent form and return it with your respiratory care application.

CONSENT FOR PHYSICAL ASSESSMENT AND ARTERIAL BLOOD GAS DRAW

I have read the description of each diagnostic procedure. I understand the purpose of my receiving such care is primarily to provide clinical encounters necessary for skill development of the clinician and secondarily to provide an educational benefit to the student-patient.

I further understand the inherent risks and benefits of each procedure. I further understand the inherent risks and that I must maintain adequate student accident or health insurance to cover the cost of injury. I am responsible for the cost of emergency and other medical treatment.

I also understand it will be necessary for me to provide a current health history to the student and faculty directly involved in the provision of these procedures. I can expect all health history information to be kept confidential.

I understand all of the above and agree to physical assessment, arterial blood gas draw and pulmonary function testing.

Name (print or type)

Signature of applicant

Date

TECHNICAL STANDARDS

I have read the technical standards. I understand that respiratory therapists must be able to recall crucial information rapidly. My memory is such that I can perform this critical function. I can hear, see, think and write rapidly in a distracting environment as is found in the hospital.

Name (print)

Signature of applicant

Respiratory Care Essential Functions

In performing his or her duties, a Respiratory Care student and professional:

- Utilizes the application of scientific principles for the identification, prevention, remediation, research and rehabilitation of acute or chronic cardiopulmonary dysfunction, thereby producing optimal health and function.
- Reviews existing data, collects additional data and recommends obtaining data to evaluate the respiratory status of patients, develop the respiratory care plan, and determine the appropriateness of the prescribed therapy.
- Recall crucial information from memory rapidly and rapidly analyze the information in writing.
- Initiates, conducts, and modifies prescribed therapeutic and diagnostic procedures such as: administering medical gases, humidification and aerosols, aerosol medications, postural drainage, bronchopulmonary hygiene, cardiopulmonary resuscitation; providing support services to mechanically ventilated patients; maintaining artificial and natural airways; performing pulmonary function testing, hemodynamic monitoring and other physiologic monitoring; collecting specimens of blood and other materials.
- Documents necessary information in the patient's medical record and on other forms, and communicates that information to members of the health care team.
- Obtains, assembles, calibrates and checks necessary equipment.
- Uses problem solving to identify and correct malfunctions of respiratory care equipment.
- Demonstrates appropriate interpersonal skills to work productively with patients, families, staff and co-workers.
- Accepts directives, maintains confidentially, does not discriminate, and upholds the ethical standards of the profession.

With these considerations in mind, a candidate must be able to meet the following technical standards:

Physical Standards:

		Frequency:
LIFT:	up to 50 pounds to assist moving patients.	F
STOOP:	to adjust equipment.	F
KNEEL:	to perform CPR.	O
CROUCH:	to locate and plug in electrical equipment.	F
REACH:	5.5% above the floor to attach oxygen devices to wall outlets.	C
HANDLE:	small and large equipment for storing, retrieving, and moving.	C
GRASP:	syringes, laryngoscope and endotracheal tubes.	C
STAND:	for prolonged periods of time (e.g., deliver therapy, check equipment)	C
FEEL:	to palpate pulses; arteries for puncture; skin temperature.	C
PUSH/PULL:	large, wheeled equipment (e.g., mechanical ventilators).	C
WALK:	for extended periods of time to all areas of a hospital.	C
MANIPULATE:	knobs and dials associated with diagnostic/therapeutic devices.	C
HEAR:	verbal directions; gas flow through equipment; alarms; through a stethoscope (e.g., breath or heart sounds).	C
SEE:	patient conditions (e.g. skin color, work of breathing) mist flowing through tubing; shapes and forms associated with radiographs.	F
TALK:	to communicate in English goals/procedures to patients.	C
READ:	typed, handwritten, computer information in English.	C
WRITE:	to communicate in English pertinent information (e.g. patient evaluation data, therapy outcomes).	C

Cognitive/Mental/Attitudinal Standards:

Frequency:

- Function safely effectively and calmly under stressful, noisy situations with distractions. F
- Maintain composure while managing multiple tasks simultaneously. F
- Prioritize multiple tasks. F
- Recall crucial information rapidly and analyze it in writing. F
- Exhibit social skills (e.g., respect, politeness, tact, collaboration, teamwork, discretion) necessary to interact effectively with patients, families, supervisors and co-workers of the same or different cultures. C
- Maintain personal hygiene consistent with close personal contact associated with patient care. C
- Display attitudes/actions consistent with the ethical standards of the profession. C

C – Constantly

F – Frequently

O - Occasionally

Activities in Which Respiratory Care Students Participate

Arterial Blood Gas Draw

Arterial blood gas (ABG) analysis is an essential diagnostic test used for the clinical assessment of ventilation, acid-base status and oxygenation. The collection of an arterial sample may be done quickly and it provides important information for decision making in the management of the patient requiring oxygen or ventilatory assistance.

The collection of an arterial blood sample is commonly done by arterial puncture.

Arterial puncture is not without hazards and potential complications because it disrupts the integrity of a large high-pressure vessel of the arterial system. Possible complications of arterial puncture at any site are vessel trauma and occlusion, embolization, infection and vessel spasm. If properly done by a skilled practitioner, arterial puncture provides safe, reliable information for patient management.

You will learn how to perform an arterial puncture, and the advantages and disadvantages of each site. You will also learn how to perform arterial sampling and the hazards and complications of the procedure. You will perform an arterial draw procedure on a classmate and experience the same.

Physical Assessment of the Chest

Physical assessment of the chest is an important tool employed in patient care. Assessment of the chest includes inspection of the structure of the thorax, observation of patterns of movement during respiration and percussion. Students and faculty will conduct the physical assessment of the chest in laboratory and clinical practice and in a manner that preserves modesty.

Part of the examination will require touching the chest with the student's hands. This is not a breast exam. The touching of the chest wall is to feel for vibrations and is required during auscultation. In addition, students will perform percussion. Percussion is performed by using one finger to strike another finger placed upon the surface of the skin to elicit the resonant sounds of the chest.

Hazards of this examination would be the risk of inappropriate interactions or inappropriate exposure by those performing the examination.

You will learn to perform chest inspection, palpation and percussion on classmates, usually of the same gender. You will also have students perform these physical assessments on yourself.

Electrocardiogram

The electrocardiogram (EGG) is one of the most important diagnostic tools used in medicine. The information obtained non-invasively from the EGG tells the diagnostician about the electrical activity of the heart. From this information, appropriate treatment can be prescribed to correct some of the abnormalities diagnosed using the EGG.

I understand that I will be required to carry Major Medical Insurance or provide documentation of adequate coverage during the program. The Respiratory Care Program requires regular assignments or access to the internet. I understand that I must maintain internet access and an operating computer. In addition hospitals will require additional criminal background checks and drug screens prior to clinical. If these screens are found to be positive I will not be allowed into clinical and will be expelled from the program.

Because Respiratory Care involves the diagnosis and treatment of cardiopulmonary disorders, many respiratory care departments routinely perform electrocardiography as a part of their daily responsibilities. It is important that you, as a respiratory care practitioner, understand what an EGG is, how to recognize normal and abnormal EGG rhythms, and how to perform an EGG using an electrocardiograph machine.

As a student in the Respiratory Care Program, you will learn to perform an EGG on a classmate and your classmates will perform one or more electrocardiograms on you. During an EGG, you will need to lie down and electrodes will be attached to your arms, your legs and to six locations across your chest. Students and faculty will work together to insure this procedure is conducted safely and in a manner which preserves modesty and personal dignity. There are few hazards to the EGG procedure. You may experience mild discomfort in the area where the skin is prepared for the electrode.

Pulmonary Function Testing

The measurement of pulmonary function is an important duty for many Respiratory Care practitioners. The pulmonary function tests include spirometry, the measurement of lung volumes, airway resistance, compliance, minute ventilation, diffusion capacity, cardiopulmonary stress tests, polysomnography, oximetry and many others. Most of these tests are considered noninvasive, although they include breathing for a period of time through a mouthpiece. Key elements of each test will be summarized below.

Spirometry: During spirometry the subject breathes through a mouthpiece with a nose-clip on the nose. The subject is instructed to take a deep breath in and blast it out. This test must be repeated several times to assure reproducibility and validity.

Body Plethysmography: The body plethysmograph is a closed chamber. The subject sits in this chamber and breathes on a mouthpiece while holding one's hands over the cheeks. Various breathing maneuvers are conducted for about 2 to 5 minutes.

Lung Volume determination: Several other tests are used to determine lung volumes. The subject breathes medical gases through a mouthpiece and other apparatus.

Diffusion Capacity of the Lung: During the diffusion capacity, the subject takes a breath of medical gases, including 0.03% carbon monoxide. This breath is held for 10 seconds and exhaled. The test is typically repeated 3 times.

Cardiopulmonary stress test: During the cardiopulmonary stress test, the subject breathes through a mouthpiece while exercising on a treadmill. The patient has various monitoring equipment attached and incrementally exercises as hard as possible for approximately 10 minutes.

Polysomnography: Electrodes and other sensors are attached to the scalp, arms, legs, foot and chest. This data is collected along with a concurrent videotape while the subject sleeps.

As a student in the respiratory care program, you will be expected to collect data and perform the above mentioned tests and others of a similar nature on classmates, patients and volunteers. Your classmates will also perform tests on you.

Spirometry and other pulmonary function tests are safe procedures; untoward reactions rarely occur. The following have been reported anecdotally: Pneumothorax (collapsed lung); increased intracranial pressure (increased pressure in the head); syncope; dizziness; light-headedness; chest pain; coughing; contraction of infections; oxygen desaturation due to interruption of oxygen therapy; bronchospasm.

I understand that I will be required to carry Major Medical Insurance or provide documentation of adequate coverage during the program. The respiratory care program requires regular assignments or access to the internet. I understand that I must maintain internet access and an operating computer. In addition hospitals will require additional criminal background checks and drug screens prior to clinical. If these screens are found to be positive I will not be allowed into clinical and will be expelled from the program.

Name: _____

Signature of applicant

Date

Oregon Tech Respiratory Care Program

Quality		Met	Not Met	Other
Academic Preparation	All prerequisites completed			
Technical Paper Or Self-Introduction	Paper to WRI 227 Or Self-Introduction paper and explanation of interest in Respiratory Care			
Application completion	Completed application and fee			
Interview	Schedules interview, and is professional			

FACULTY NOTES: _____

Upon completion of the Respiratory Care program, applicants for licensure are asked the following questions by the Respiratory Therapy Licensing Board: (1) Has any state licensing board refused to issue or renew, or denied you a license to practice respiratory care? (2) Have you ever been convicted of a crime? (3) Have any charges of malpractice been brought against you? (4) Do you currently have, or have you had within the past five years, a dependence on the use of alcohol or drugs which impaired or does impair your ability to practice respiratory care safely and competently? (5) Within the past five years, have you been engaged in the excessive or habitual use of alcohol or illegal drugs, or received any inpatient therapy/ treatment or been hospitalized for alcoholism, or illegal drug use, or been arrested for a DUII (driving under the influence of intoxicants) or DWI (driving while intoxicated)? Your answer to these questions may determine the granting of a license to practice respiratory therapy.

Oregon Tech Respiratory Care Program

Description of Application Process

PURPOSES: The purposes of the application processes are multiple and include elements of applicant assessment as well as the collection of information necessary to assure the safety of the student, patients and others. The process includes instructional and educational elements. The education of the student begins prior to, during and after the application process.

PROCESS: The process involves a decision to investigate the profession, the downloading and completion and submission of the application and fee, the submission of immunization records, background check, drug screen, and submission of the Technical Paper or Self Introduction. Any time the applicant contacts a faculty member, respiratory therapy student or secretary during this time that contact is considered part of the informal applicant interview. The impression that the secretary, the faculty, the students have of the contact is considered appropriate data to grade in the applicant interview. Applicant attire during the informal contact should be modest and exclude unusual piercings, tattoos and cleavages. During the formal interview the applicant should follow professional dress code standards.

GRADES and GPA: The respiratory therapy program considers unfavorable a record of D and F grades that are multiple and span the transcript for more than one quarter. A pattern of these grades spanning multiple quarters is a good indication that the student should not submit an application to the program. The respiratory care program seeks to admit students who reliably earn passing grades the first time and every time. GPA computations are not considered valid for the respiratory therapy application if they expunge initial D and F grades because the course was repeated.

COMPLETING THE APPLICATION: The respiratory therapy program faculty are occupied organizing and conducting classroom, laboratory and clinical instruction. The respiratory care application committee is looking to admit applicants who are able to follow directions and figure things out. The application process is one that tests the applicant's abilities to complete a number of tasks without significant ongoing assistance from the faculty. Applicants who require significant ongoing help to understand and comply with the application process are scored lower than those who do a good job completing all requirements independently. There is a balance to this because it is also important that the applicant follows up on the process once the application is submitted.

ESSAY: The essay assignment is designed to evaluate the applicant's ongoing ability to research a respiratory care related topic and write a technical paper. When the Essay is complete it should be submitted to the program and a request for the formal interview made.

FORMAL INTERVIEW: The applicant must request a date, time and location to come for the formal interview. The interviews generally involve only one applicant at a time. During the interview the applicant may be expected to answer questions regarding why they are applying to the RC program and other questions related to information that they submitted with the application. The interview usually takes place in multiple locations and with multiple questioners.

DECISIONS REGARDING ADMISSIONS: Because applications are accepted over an extended period of time the process and notification of acceptance is ongoing. After submission check in with the program on a regular basis.

RECEIVING APPLICATIONS AFTER MAY 11, 2018: The program often elects to receive applications after the May 11th deadline when program positions are still available. These applicants will be considered after applicants who turned in applications prior to the May 11th deadline.

CASTLEBRANCH:

- Link: portal.castlebranch.com/OV63
- Click: Place Order (lower left icon)
- Open Selection to “Admissions”
 - Admissions Background and Drug Screen

