

## **MSSU/FTC CONSORTIUM FOR RESPIRATORY CARE EDUCATION**

### **Missouri Southern State University**

#### **College of Health Sciences**

3950 E. Newman Road

Joplin, MO 64801

Phone: 417-625-9848

### **Franklin Technology Center**

#### **Adult Education**

810 S. Wall

Joplin, MO 64801

Phone: 417-680-0004

Fax: 417-680-0005

## **2 YEAR ASSOCIATE DEGREE PROGRAM**

**Schedule varies each semester (and with clinicals)**

### **Definition of Respiratory Therapy as described by the American Association for Respiratory Care:**

*"Respiratory Therapy is the health care discipline specializing the promotion of optimum cardiopulmonary function, health and wellness. Respiratory Therapists are educated, trained and licensed professionals who employ scientific principles to identify, treat and prevent acute or chronic dysfunction of the cardiopulmonary system."*

### **Definition of Respiratory Therapy as described by Missouri's Respiratory Care Practice Act 334.800:**

*A respiratory care practitioner is a person "duly licensed by the board; employed in the practice of respiratory care who has the knowledge and skill necessary to administer respiratory care as defined in this section; who is able to function in situations of unsupervised patient contact requiring individual judgment; and who is capable of service as a resource to the physician in relation to the technical aspects of respiratory care as to safe and effective methods for administering respiratory care modalities."*

Respiratory Care Practitioners (RCPs, RTs) work in hospitals, physician's offices, home health agencies, specialized care hospitals, medical home care equipment supply companies, and nursing homes. Respiratory practitioners use the application of scientific principles for the identification, prevention, treatment, and rehabilitation of acute and chronic cardiopulmonary disorders. A practitioner also reviews data of patients, collects additional data, and helps develop a care plan to determine the appropriateness of the current therapy. The RCP administers medical gases, humidification and aerosols, aerosol medication, postural drainage, bronchopulmonary hygiene, cardiopulmonary resuscitation, monitors mechanically ventilated patients, maintains artificial airways, performs pulmonary function testing, collects specimens of blood or other materials, and documents necessary information in the patient's medical record accurately. The practitioner must be able to communicate effectively to other members of the healthcare team as well as be able to problem solve to identify and correct malfunctions of respiratory equipment. Therapists must be able to demonstrate appropriate

interpersonal skill to work productively with patients, families, staff, and co-workers. They must accept directives and maintain confidentiality, and uphold the the standards of professional and ethical standards of the profession. There are more than 100,000 respiratory care practitioners in the United States.

Typically, respiratory care practitioners perform procedures that are both diagnostic and therapeutic. Some of the physical activities include:

**Lifting** up to 50 pounds to assist moving patients/shapes and equipment

**Stooping** to adjust patients or equipment

**Kneeling** to perform CPR or other duties

**Reaching** 5 feet above the floor to attach respiratory devices to outlets

**Grasping** laryngoscopes, endotracheal tubes, or syringes

**Standing** for long periods of time

**Feeling** to palpate pulses, skin temperature, etc.

**Pushing/pulling** large equipment

**Walking** for extended periods of time

**Hearing** verbal directions, alarms, or through a stethoscope

**Talking** to patients, co-workers, etc.

### **Mental/Attitudinal Standards for Respiratory Care Practitioners**

Function safely, effectively and calmly under stress

Manage multiple tasks simultaneously

Prioritize

Exhibit social skills necessary to interact effectively with patients, families, and co-workers

Communicate with patients, families, and co-workers using respect, politeness, and tact

Maintain personal hygiene consistent with professionals in close contact with patients.

### **APPROVAL AND ACCREDITATION:**

The Missouri Southern State University Consortium for Respiratory Care Education (Consortium) was organized in 1997 at the request of its interested communities – Franklin Technology Center and Missouri Southern State University. An entry-level respiratory care program was organized in July 1994 through Franklin Technical School (now Franklin Technology Center). The creation of an advanced level program was established in October 1996 through Missouri Southern State University. Combination of the two programs resulted in the current Associate of Science Degree Program. This collaboration celebrates more than twenty years of service to the surrounding community through the creation of highly skilled respiratory therapists. The program is fully accredited by the Commission on Accreditation for Respiratory Care (CoARC), Franklin Technology Center is accredited by the Council of Occupational Education (COE) and MSSU is accredited by the Higher Learning Commission.

The goal of the program is to prepare students for the NBRC RRT Credentialing exam, which is scheduled upon successful completion of the program. Upon graduation, students are eligible to sit for the credentialing exam; however, earning the Certified Respiratory Therapist (CRT) or Registered Respiratory Therapist (RRT) credential does not guarantee a student can obtain state licensure to practice. The Missouri Board for Respiratory Care states,

"1. The board may refuse to issue or renew any certificate of registration or authority, permit or license required pursuant to section 334.800 to 334.930 for one or any combination of causes stated in subsection 2 of this section. The board shall notify the applicant in writing of the reasons for refusal and shall advise the applicant of his or her right to file a complaint with the administrative hearing commission as provided by chapter 621."

For more information, visit:

<https://revisor.mo.gov/main/OneSection.aspx?section=334.920&bid=48440>

**CURRICULUM PLAN:** The MSSU/FTC Consortium for Respiratory Care Education is an Associate of Science Degree in Respiratory Therapy. The degree is conferred by Missouri Southern State University. Students enrolled in the Respiratory Care Program are dual enrolled with both Franklin Technology Center and Missouri Southern State University. The program is a 2-year (4 semesters) curriculum beginning in the fall semester each year and follows the Missouri Southern academic calendar. Attendance is monitored closely as success is directly related to the students' participation.

Quality classroom instruction is combined with sound clinical and laboratory experiences in the content areas of Anatomy & Physiology, Pharmacology, Pathology, Diagnostics, Mechanical Ventilation, Neonatal and Pediatrics, Alternate Site Care, Cardiopulmonary Sciences, and Cardiopulmonary Assessment.

**Associate of Science Degree**

**2020-21**

**Student name/ID:** \_\_\_\_\_

Respiratory Care is located in the Health Sciences Building  
 Room 325 or call 417-625-9848

**GENERAL EDUCATION REQUIREMENTS**

**Pre-requisite for Respiratory Care Program admission in BOLD**

<b>1. SOCIAL AND BEHAVIORAL SCIENCES</b>	<b>6 HOURS</b>
<b>1A. SELECT ONE:</b>	
ANTH 101 General Anthropology (ANTH 101)	3 Hours
ECON 101 Economics Social Issues (ECON 100)	3 Hours
ECON 201 Principles of Econ Macro (ECON 101)	3 Hours
ECON 202 Principles of Econ Micro (ECON 102)	3 Hours
GEOG 101 Introduction to Geography	3 Hours
GEOG 111 World Regional Geography (GEOG 101)	3 Hours
HIST 180 Modern Global Hist 1450-Present (HIST 202)	3 Hours
PSY 100 General Psychology (PSYC 100)	3 Hours
SOC 110 Introduction to Sociology (SOC 100)	3 Hours
<b>1B. CIVICS: SELECT ONE</b>	
HIST 110 U.S. History 1492-1877 (HIST 101)	3 Hours
HIST 120 U.S. History 1877-Present (HIST 102)	3 Hours
PSC 120 American Government (POSC 101)	3 Hours
<b>2A. WRITTEN COMMUNICATION</b>	<b>3 HOURS</b>
ENG 101 College Composition I (ENGL 100)	3 Hours
<b>2B. ORAL COMMUNICATION</b>	<b>3 HOURS</b>
COMM 100 Oral Communication (COMM 110)	3 Hours
COMM 110 Intro to Human Communication (COMM 100)	3 Hours
TH 220 Professional Interaction (COMM 125)	3 Hours
<b>3. NATURAL SCIENCES</b>	<b>4 HOURS</b>
BIO 121 Human Anatomy & Physiology I/Lab (LIFS 150L)	4 Hours
<b>4A. MATHEMATICS</b>	<b>3 HOURS</b>
MATH 30 (or above)	3 Hours
<b>5A/B. HUMANITIES AND FINE ARTS</b>	<b>3 HOURS</b>
<b>SELECT ONE:</b>	
ART 110 Art Appreciation (ARTS 100)	3 Hours
ART 251 Art History Pre-Historic thru Gothic (ARTS 101)	3 Hours
ART 252 Art History Renaissance thru 19th Century (ARTS 102)	3 Hours
ENG 240 Short Story (LITR 100)	3 Hours
ENG 250 Introduction to Literature (LITR 100)	3 Hours
ENG 261, 262 World Literature (LITR 200A, 200M )	3 Hours
ENG 271, 272 British Literature (LITR 102A, 102B)	3 Hours
ENG 281, 282 American Literature (LITR 101A, 101B)	3 Hours
MUS 101 Jazz Styles & Appreciation (MUSC 100J)	3 Hours
MUS 106 World Music (MUSC 102)	3 Hours
MUS 110 Music Appreciation (MUSC 100)	3 Hours
PHIL 201 Introduction to Philosophy (PHIL 100)	3 Hours
PHIL 212 Ethics (PHIL 102)	3 Hours
SPAN 100 Workplace & Travel Spanish	3 Hours
SPAN 101 Beginning Spanish I (LANG103)	3 Hours
SPAN 102 Beginning Spanish II (LANG104)	3 Hours
TH 110 Theatre Appreciation (THEA 100A)	3 Hours
TH 252 Intro to Western Drama	3 Hours
<b>5D. HEALTH AND WELLNESS</b>	<b>2 HOURS</b>
KINE 103 Lifetime Wellness	2 Hours
<b>INSTITUTIONAL DEGREE REQUIREMENT</b>	<b>1 HOUR</b>
UE 100 University Experience	1 Hour
<b>CORE CURRICULUM REQUIREMENTS:</b>	<b>25 HOURS</b>

**Respiratory Care Major**

<b>Fall</b>	
Resp 101 Respiratory Therapy Foundations	(3) _____
Resp 102 Cardiopulmonary Sciences	(3) _____
Resp 107 Respiratory Therapy Procedures	(3) _____
Resp 108 Respiratory Procedures Lab/Clinical	(3) _____
Resp 129 Cardiopulmonary Pharmacology	(3) _____
<b>Spring</b>	
Resp 105 Cardiopulmonary Anatomy & Physiology	(3) _____
Resp 120 Cardiopulmonary Pathology	(3) _____
Resp 125 Respiratory Therapy Clinical I	(3) _____
Resp 226 Cardiopulmonary Diagnostic	(3) _____
<b>Fall</b>	
Resp 222 Intro. to Mechanical Ventilation	(4) _____
Resp 239 Respiratory Therapy Clinical II	(5) _____
Resp 311 Neonatal/Pediatric Care	(3) _____
Resp 313 Alternate Site Respiratory Care	(3) _____
<b>Spring</b>	
Resp 307 Cardiopulmonary Assessment	(6) _____
Resp 312 Mech. Ventilation	(3) _____
Resp 340 Advanced Level Clinical Practice	(5) _____
Resp 341 Research Issues, Methods	(1) _____
<b>TOTAL MAJOR FIELD REQUIREMENTS</b>	<b>=(57) HOURS</b>

**GRADUATION REQUIREMENTS**

**Associate of Science in Respiratory Therapy**

**STUDENT MUST:**

1. Complete 82 hours for Associate of Science in Respiratory Therapy
2. Have a minimum cumulative 2.0 GPA of all hours completed.
3. Have a minimum of a 2.0 GPA in each course of major.
4. Must pass respiratory care NBRC Secured Assessment examination.
5. Must pass required program self assessment CRT examination.
6. Must complete respiratory care clinical simulation examination.

**25 Hours of Associate Degree General Education**

Cumulative GPA of 2.0 or higher \_\_\_\_\_

**57 Hours of Respiratory Care**

Major Hours completed: \_\_\_\_\_  
 GPA in Major Field is 2.0 or higher \_\_\_\_\_

**82 Hours Required for Associate of Science in Respiratory Therapy**

Completed: \_\_\_\_\_  
 In Progress: \_\_\_\_\_  
 Needed: \_\_\_\_\_

Director of Respiratory Care Program \_\_\_\_\_

Date \_\_\_\_\_

Make an appointment for program information, to arrange job shadowing or to schedule classes!

**Admission Criteria:** Completion of an application with \$25 fee submitted, official high school and/or college transcripts with minimum 2.5 GPA, completion of the TEAS entrance exam with a minimum total score of 47, and interview with program faculty. Upon acceptance to the program, students must submit a background check, participate in a drug screening at a time determined by the program director, and provide immunization records.

Applicants for whom English is a second language must take the TOEFL test of English proficiency and obtain a minimum score of 520 (paper test) or 68 (internet based), or take the Michigan Test and obtain a minimum score 85. Non-English speaking applicants must meet the same general admission requirements as all others applying for the Respiratory Therapy Program. Applicants are responsible for making their own arrangements for testing.

**Advanced Placement:** The MSSU/FTC Consortium for Respiratory Care Education does not offer advanced placement admission for students who have previously completed respiratory coursework at other institutions. Students who have taken previous respiratory care coursework must start this program at the beginning and progress through all courses with a "C" or better.

**Additional Admission Requirements:** Once accepted into the program, the applicant must provide documentation for required immunizations and health screenings (Hepatitis B, Tdap, MMR, Varicella, Influenza and TB skin test or chest x-ray). Applicants must obtain current BLS Training from the American Heart Association. In addition, the applicant must present with a negative drug screen and an acceptable criminal background check and caregiver background screening.

**Student Services:** A variety of student services are available to Respiratory Therapy students including Financial Aid assistance, Career Services, and Student Success services.

**Tuition Withdrawal Policy:** Respiratory Therapy students are subject to the MSSU Tuition and Incidental Charges Policies, and the Refund Policy in the course catalog, located at <https://catalog.mssu.edu/index.php?catoid=12>

**Nondiscrimination Policy:** Franklin Technology Center and Missouri Southern State University endorses and practices the principle of equal education and employment opportunity for all persons regardless of race, color, sex, religion, ancestry, national origin, age or non-job related handicap or disability in the education programs, services or activities it operates.

## **COMPETENCIES AND PERFORMANCE STANDARDS**

Students who wish to qualify for admission and progression in the practical nursing program must meet both academic and performance requirements.

Academic requirements are described in the student handbook policies. In addition, the student must satisfy performance standards. These performance standards include motor skills, physical stamina, mobility, hearing, visual tactile, reading, arithmetic competence, emotional stability, analytical thinking, interpersonal skills, and communication skills.

Students must satisfy the following competencies and performance standards:

*Motor skills:* Gross and fine motor abilities sufficient to provide safe and effective nursing care.

- Examples: Positioning patients; obtaining and processing specimens, calibrating and properly using equipment; drawing blood; use a computer; twist or squeeze with fingers; stand and maintain balance; reach and bend; move within confined spaces.

*Physical strength and endurance:* Physical stamina sufficient to perform full range of required patient care activities for entire length of work role.

- Examples: Sustain repetitive movements; maintain physical tolerance; lift; push and pull; support 25 pounds; move heavy objects weighing 10-50 pounds; carry equipment; use upper body strength.

*Mobility:* Physical abilities sufficient to move from room to room and maneuver in small spaces.

- Examples: Twist, bend, stoop/squat, move quickly, climb and walk.

*Hearing:* Auditory ability sufficient for observation and assessment necessary in providing care in a timely manner.

- Examples: Ability to detect auditory alarms, cries for help, and auscultatory sounds; ability to hear in situations when not able to see lips of speaker; ability to hear sounds of a normal or faint volume level.

*Visual:* Ability sufficient for accurate observation and assessment necessary for patient care.

- Examples: Read graphs, scales, computer screens, oscilloscopes, or microscopes; distinguish colors and intensity; prepare and administer medications; observe patient responses.

*Tactile:* Ability sufficient for physical monitoring and assessment of health care needs.

- Examples: Perform palpation; detect heat and cold; ability to perform functions of physical exam and/or those activities related to therapeutic interventions such as catheter insertion.

*Reading:* Ability to read and understand written documents.

- Examples: Read and understand policies, procedures, patient charts and medication administration records (MARs).

*Emotional stability:* Able to assume responsibility and accountability for own actions.

- Examples: Establish therapeutic boundaries; provide patients with emotional support; adapt to stress; deal with the unexpected; perform multiple responsibilities concurrently; handle strong emotion.

*Analytical thinking:* Reasoning skills sufficient to perform deductive/inductive thinking for nursing decisions.

- Examples: Process information; evaluate outcomes; problem-solve; prioritize tasks; use short and long term memory.

*Interpersonal skills:* Able to interact with individuals, families, and groups from a variety of social, emotional, cultural, and intellectual backgrounds.

- Examples: Negotiate interpersonal conflict; respect differences in clients; establish rapport with patients and co-workers; respect the cultural diversity of patients and co-workers.

*Communication:* Abilities sufficient for interaction with others in both verbal and written English; ability to operate information technology systems.

- Examples: Teach patient and family; explain procedures; give oral reports; interact with others; speak on telephone; influence people; direct activities of others; convey information through writing.

PLEASE REVIEW THE ABOVE COMPETENCIES AND PERFORMANCE STANDARDS. PLEASE DISCUSS ANY CONCERNS WITH THE PROGRAM COORDINATOR OR FACULTY.

### **ESTIMATED TUITION, FEES, AND PROGRAM COSTS:**

Beginning date: August 2021 ~ Ending Date: May 2023  
Schedule of Fees (Estimated) - 2021

Non-Refundable Application Fee of \$25.00 is required prior to consideration for entrance into the program.

#### **Fees Charged to MSSU Student Account:**

MSSU Tuition (MO Resident per credit hour): \$248.73  
Textbook Rental Fee (per credit hour): \$14  
Purchase Books (estimated): \$830  
Laboratory Kit (estimated): \$130

#### **Special Course Fees:**

Clinical Liability Insurance (1st and 3rd semester): \$17.50  
National Exam Review Course: \$325  
Self Assessment Exams: \$50  
1st Semester: \$1,080  
2nd Semester: \$1,627  
3rd Semester: \$766

National Board Exam (TMC Exam): \$190  
National Board Exam (CSE): \$200

#### **Student Out of Pocket Expenses:**

Program Application Fee: \$25

TEAS: \$80

Background Check & Drug Screen: \$75

Uniform - scrubs, shoes, equipment: \$135

Respiratory Conference Fees (registration and lodging): \$300

AARC Membership (per year); \$25

Required Immunizations: **\*\*Variable\*\***

**\*\*Cost for immunizations varies based on individual immunization record documentation\*\***

Certification Cards (ACLS, PALS, NRP, BLS): \$50

Replacement Lion ID Card Fee (if needed): \$10

Transportation Costs

Room and Board/Meals

**ALL FEES ARE SUBJECT TO CHANGE. MSSU AND FTC RESERVE THE RIGHT TO ADD OR CHANGE FEES  
WITHOUT NOTICE.**