RESPIRATORY THERAPY

Health Sciences Division 2019-2020

Respiratory therapy, or respiratory care, is an allied health profession specializing in cardiopulmonary diseases. A respiratory therapist can be instrumental in assisting in the diagnosis, treatment and prevention of a wide spectrum of disorders affecting the heart and lungs.

A registered respiratory therapist (RRT) requires a minimum of a two-year degree and most RRTs work in a hospital. Monroe County Community College graduates of the respiratory therapy program exceed the national averages for success on board exams.

Future employment for registered respiratory therapists is considered excellent nationwide.

Graduate therapists are prepared to:

- Assume basic or advanced respiratory care positions in hospitals, intensive care units, sub-acute care centers, rehabilitation facilities, long-term care facilities, home care companies, asthma clinics, sleep disorders laboratories and pulmonary function laboratories;
- Continue higher education, if desired.

Transfer Information

For information regarding transfer opportunities for this, or any program, please visit the Transfer section of the MCCC website.

Additional Program Information

The Monroe County Community College respiratory therapy program is accredited by the Commission on Accreditation for Respiratory Care (CoARC). Interested parties may contact CoARC or visit the website, www.coarc.com.

Admission Criteria

Applicants to the respiratory therapy programs are encouraged to apply prior to completing pre-requisites.

Admission requirements are subject to change. A student must meet the admission requirements in effect for the class and year students are entering. The program follows a selective admission process. To be eligible for evaluation and selection, all required information must be included in the student's folder by the application deadline, which is the second Monday in June of the year the student wishes to enter the respiratory therapy program. Applicants enrolled in any pre-requisite classes that finish after the application deadline but before the start of fall semester may still be considered for admission to the program contingent upon completion with "C" or better in the missing pre-requisite class(es).

For a student to be considered for the program, the MCCC Division of Health Sciences requires:

1. Graduation from high school or successful completion of the GED (General Education Development) test or an eligible middle college student. Official transcripts from high school must be sent to the MCCC Admissions and Guidance Office. Official transcripts from

all colleges or universities, if transfer credit is desired, must be sent directly to the MCCC Registrar's Office.

2. MELAB (80 percentile) or IBN TOEFL (79-80) tests may be required to show proof of English language proficiency for individuals whose native language is not English.

3. Completion of BIOL 257 (Anatomy and Physiology I) or MCCC equivalent. Anatomy and Physiology must be repeated if it has not been taken within 10 years of the application deadline. Exceptions are at the discretion of the Program Director. Students who have taken anatomy and physiology at another accredited institution of higher learning that does not transfer as equivalent to the MCCC course will have their course(s) evaluated on an individual basis.

4. Completion of MATH 151 (Intermediate Algebra) or higher level course, with a "C" or better or an acceptable qualifying score on an accepted college placement test; completed within 10 years. Students with an interest in pursuing a bachelor degree following completion of the MCCC respiratory therapy program are encouraged to meet with an academic advisor or meet with the program director to determine which math course will be required at the higher level to avoid additional coursework.

5. The student must receive a "C" or better grade in all respiratory therapy courses and a "C-" or better grade in all non-respiratory therapy courses required in the program plan of study. Respiratory and required support courses must be completed in the

order outlined in the program's plan of study (see course sequence for requirements). Failure to meet the requirement may result in the inability to progress to the next semester of the program.

6. Immunizations and examinations at the student's expense to ensure that the student can meet the technical standards of the program.

7. An active American Heart Association cardiopulmonary resuscitation (CPR) certificate for professional rescuer of infant, child and adult.

8. Students admitted to health science programs must consent to background/security checks including a criminal background check and drug screening. The student is responsible for any cost associated with the background/security checks/drug screening. Certain criminal convictions may render a student ineligible to train at clinical sites which are necessary in order to successfully complete the program. Additionally, certain criminal convictions may render an individual ineligible to take the licensing/certification exam or to be licensed/certified in the State of Michigan. The college will review the results and determine, on a case-by-case basis, whether to deny admission to any individual based on the results of the background check, criminal background check and drug screening.

9. Respiratory therapy students are required to have professional liability and personal health insurance. The professional liability insurance is provided by the college. Personal health insurance must be obtained by the student and maintained throughout the program in order to comply with clinical agency requirements. Proof of insurance will be required prior to participating in the first clinical activity.

10. Respiratory care involves the provision of direct care for individuals and families and is characterized by the application of verified knowledge in the skillful performance of respiratory therapist functions. Therefore, in order to be considered for admission or to continue in the program, all applicants must be able to meet the health sciences technical standards available in the Health Sciences Division section of the MCCC website.

A prospective student or participant in the program with an approved documented disability can request reasonable accommodations to meet these standards. The college will provide appropriate accommodations but is not required to fundamentally alter the requirements or nature of the program, or lower its academic standards. Requests for accommodations should be directed to a disability services

counselor in the Learning Assistance Laboratory. To make an appointment, please call 734.384.4167.

11. All respiratory therapy students utilize Internet services and resources to supplement instruction. Students must have reliable internet access. Beginning January 2020, students enrolled in the respiratory therapy program will be required to take assessments (i.e., exams, quizzes, etc.) electronically using an online assessment program called ExamSoft Examplify. Students enrolled in these courses will be required to provide their own computer (laptop or tablet) that will support the assessment software. The software can be used on most modern Microsoft Windowsbased computers, Mac OS X devices, and iPads. Information related to minimum system requirements can be located by visiting the following links: **Windows:** https://examsoft.force.com/emcommunity/s/article/Examplify-Minimum-System-Requirements-for-Windows **Mac OS X**: https://examsoft.force.com/emcommunity/s/article/Examplify-Minimum-System-Requirements-for-Mac-OS-X **iPad:** https://examsoft.force.com/emcommunity/s/article/Examplify-for-iPad-Minimum-System-Requirements

12. Selection of qualified respiratory therapy applicants is done through a numerical process. Meeting the minimum requirements for admission does not ensure admission to the program. Applicants to the program tend to be well qualified and up to 30 candidates are selected each year. For specific information on the point-based selection criteria, please contact the Admissions and Guidance Office or the respiratory therapy program director.

13. In conjunction with requirements set forth by the Michigan Licensing and Regulatory Affairs agency, information related to the student complaint process, career opportunities by state, and licensing requirements by state can be accessed by visiting the following websites: a) a) Student Complaint Process: found in the Consumer Information section of the MCCC website; b) Career opportunities by state: https://bls.gov/; and c) Licensure requirements by state: https://www.ncsbn.org/contact-bon.htm.

14. In addition to the general college rules, respiratory therapy students are required to adhere to policies and procedures outlined in the Respiratory Therapy Student Information Handbook. Students are encouraged to review the handbook prior to application. A copy of the Student Information Handbook is available in the Health Sciences Division section of the MCCC website.

See item No. 10 for information regarding accommodations.

Technical Standards

The purpose of the technical standards is to inform students choosing to enter into a health occupation program of the basic minimal technical standard requirements that must be met in order to complete all course work objectives and student outcomes. The listed standards encompass what is minimally required to perform necessary tasks. This list is not exhaustive, and can be modified as the college deems necessary at any time. Students enrolled in a health occupation program at MCCC must provide care that is safe and effective. These technical standards apply to any student enrolling in any one of the health occupations programs. The student must be able to demonstrate sufficient cognitive, professional, motor (physical), sensory and other abilities, with or without accommodation, to meet program technical standards. Technical standard requirements are listed below. Examples of tasks associated with each requirement and standard are available for review by visiting the Health Sciences Division section of the MCCC website. Prospective students are encouraged to review the Technical Standards for Health Occupational Programs document in its entirety prior to enrolling in or applying to any health occupation course or program.

- **Critical Thinking and Cognitive Competencies:**
  Sufficient critical thinking and cognitive abilities in classroom and clinical settings.
- **Professionalism:**
  Interpersonal skills sufficient for professional interaction with a diverse population of individuals, families, and groups.
- **Communication:**
  Communication sufficient for professional interactions.
- **Mobility:**
  Physical abilities sufficient for movement from room to room and in small spaces.

- **Motor Skills:**
  Gross and fine motor abilities which are sufficiently effective and safe for providing allied health care.
- **Sensory:**
  Auditory and visual ability sufficient for observing, monitoring, and assessing health needs.
- **Observation:**
  Ability to sufficiently make observations in a health care environment, consistent with program competencies.
- **Tactile sense:**
  Tactile ability sufficient for physical assessment.

Note: The following codes identify courses that satisfy MCCC's General Education Requirements:

(C1) GE Natural Sciences Competency
(C2) GE Mathematics Competency
(C3) GE Writing Competency
(C4) GE Computer Literacy Competency
(C5) GE Human Experience Competency
(C6) GE Social Systems Competency

Required General Education Courses	**Credits** **20**
C1 BIOL 151 (Biological Sciences I) 4	
C2 MATH 151 (Intermediate Algebra) or competency 4	
C3 ENGL 151 (English Composition I) 3	
C4 Computer Literacy Competency 3	
C5 Expressions of the Human Experience Competency . . 3	
C6 Social Systems Competency 3	

See the General Education Requirements on the MCCC website for a list of courses that satisfy the General Education Learning Competencies.

Pre-Admission
MATH 151 (Intermediate Algebra) or higher C2
BIOL 151 (Biological Sciences I) C1
BIOL 257 (Anatomy & Physiology I) 4

Fall Semester (1st)
RTH 100 (Respiratory Care Techniques I) 6.5
RTH 102A (Pharmacology for Respiratory Therapists) 2
RTH 104 (Cardiopulmonary Assessment) 3
BIOL 258** (Anatomy & Physiology II) 4

Winter Semester (2nd)
RTH 102B (Pharmacology for Respiratory Therapists II) 1
RTH 110 (Respiratory Care Techniques II) 5
RTH 111 (Respiratory Care Clinical Practice I) 4.5
RTH 116 (Cardiopulmonary Pathophysiology) 4

Spring/Summer Semester (3rd)
RTH 120 (Respiratory Care Techniques III) 4
RTH 121 (Respiratory Care Clinical Practice II) 2
[1] Computer Literacy Competency* (suggested semester) . . C4
Writing Competency* (suggested semester) C3

Fall Semester (4th)
RTH 211 (Respiratory Care Clinical Practice III) 4.5
RTH 212 (Advanced Cardiopulmonary Physiology) 4
RTH 214 (Adult Critical Care) 3
RTH 216 (Neonatal/Pediatric Critical Care) 2

Winter Semester (5th)
RTH 221 (Respiratory Care Clinical Practice IV) 4
RTH 222 (Seminar) 2
RTH 226 (Respiratory Care Techniques IV) 2
Human Experience Competency* (suggested semester) . . . C5
Social Systems Competency* (suggested semester) C6

* General Education requirement. Suggested as a pre-admission course; however, not required to be completed prior to application.** Required non-respiratory course: must be completed in the order presented above or prior to the semester indicated.
[1] Can be satisfied through a competency test (Computer Literacy Competency)

Total Degree Requirements   71.5-84.5 credits
Total Degree Cost   119-128 minimum billable contact hours