

Respiratory Care

Associate in Applied Science Degree

This program provides the knowledge and skills necessary to perform patient assessment and to recommend, deliver, monitor and evaluate therapeutic/diagnostic respiratory care services. The A.A.S degree involves four semesters of entry and advanced level coursework, plus a five-week summer session. A.A.S graduates are eligible to take a series of national examinations that lead to the Certified Respiratory Therapist (CRT) and the Registered Respiratory Therapist (RRT) credentials. This program is accredited by the Commission on Accreditation for Respiratory Care (CoARC). Graduates are eligible to take the Therapist Multiple Choice exam (TMC) and Clinical Simulation Exams sponsored by the National Board of Respiratory Care (NBRC). Graduation from the Respiratory Care Program does not guarantee success on national credentialing exams. Passing national credential exams is necessary to receive a license to practice as an entry-level and advanced-level respiratory therapist in New York State. If an applicant has charges pending or a felony and/or misdemeanor, a license may be delayed or denied by the applicable state licensing board.

Total Credit Hours: 65

First Semester

CF100 College Foundations Seminar	1.0
EN101 English 1: Composition	3.0
BI216 Human Anatomy & Physiology 1	4.0
RC101 Bas Sci-Resp Care	2.0
RC103 Cardiopulmonary Pharm	3.0
RC111 Prin Resp Care 1	4.0

Second Semester

BI217 Human Anatomy & Physiology 2	4.0
RC112 Prin Resp Care 2	4.0
RC115 Cardiopulmonary Diseases	3.0
RC131 Clinical Practicum 1	3.0

Third Semester

EN102 English 2:Idea&Values Lit	3.0
Mathematics Elective (a)	3.0
RC213 Principles Resp Care 3	2.0
RC232 Clinical Practicum 2	6.0

Fourth Semester

BI209 Basic Pathophysiol	3.0
Social Science Elective (b)	3.0
RC214 Acid Base Physiology	2.0
RC233 Clinical Practicum 3	6.0

Summer Session

RC215 Principles Resp Care 4	1.0
RC234 Clinical Practicum 4	5.0

(a) Mathematics options include: MA108 Concepts in Mathematics OR MA110 Elementary Statistics

(b) Social Science options include: PY101 Introduction to Psychology OR SO101 Introduction to Sociology

Students must have a minimum GPA of 2.5 to be considered for admission to the Respiratory Care program.

A grade of "C" or higher is required in all RC prefix courses. To enhance success in the Respiratory Care curriculum, it is recommended that Human Anatomy & Physiology 1 and 2 be taken at MVCC.

- Students who have a grade of "D" in BI216 Human Anatomy & Physiology 1 and/or BI217 Human Anatomy & Physiology 2 may advance in the Respiratory Care Program course sequence but must repeat the Human Anatomy & Physiology courses and achieve grades of at least a "C" to be eligible to graduate from the Respiratory Care program.
- Students may repeat each Respiratory Care course once only.
- Respiratory Care students enrolled in a respiratory care (RC) course are permitted one withdrawal. A second withdrawal from any RC course will result in dismissal from the program and ineligibility to return to the Respiratory Care program.
- Students must have at least a 2.0 GPA to be eligible to graduate from this program.
- All students enrolled in the Respiratory Care program are required to take the three Self-Assessment Exams (SAEs) by Applied Measurement Professionals (cost \$30-\$70 each).
- All students enrolled in Clinical Practicum 3 (RC233) are required to take the Kettering National Review Seminar (approximate cost \$300).
- Clinical assignments include rotations that require travel within and outside the Utica/Rome area. Students must provide their own transportation to and from designated clinical sites (Utica/Rome area, Syracuse, and Cooperstown). A dress code exists and identified items (nametag, picture ID, stethoscope, watch, etc.) are required for clinical sessions.
- Professional liability insurance is required when enrolled in clinical courses. This insurance is purchased through the College when registering for clinical courses.
- Accident Insurance is required for all full-time and part-time enrolled in RC courses.
- Grades of "C" or higher are required for the following RC courses to be eligible to advance to the next sequential course: RC111, RC112, RC213, RC215; RC131, RC232, RC233, and RC234 (Principles of Respiratory Care and Clinical Practicum courses). Human Anatomy & Physiology 1 and 2 (BI216 and BI217) require a minimum grade of "C" for successful completion.
- Students who fail BI216 Human Anatomy & Physiology 1 and/or BI217 Human Anatomy & Physiology 2 may not advance in the Principles of Respiratory Care or Clinical Practicum courses until a passing grade is achieved.

Prerequisites for Respiratory Care courses:

- High school chemistry (with lab) or its equivalent with a minimum grade of 70, within seven years.
- High school biology (with lab) is recommended.
- An appropriate Mathematics placement test result. The MVCC mathematics placement test is based on content presented in two high school mathematics courses or the equivalent.
- For students completing mathematics and chemistry prerequisites by taking equivalent courses, a minimum grade of "C" is required.
- Matriculation into the Respiratory Care Program.
- Personal meeting with program advisor prior to starting classes.
- Proof of current American Heart Association CPR course for Healthcare Providers certification, on file in the Health Center prior to starting clinical courses. CPR certification must be kept current throughout the program.
- A Respiratory Care Student Physical Health Form and proof of immunizations must be submitted prior to participation in clinical

104 courses, and updated annually at the student's expense. A PPD skin test is required yearly to screen for tuberculosis (TB) exposure. Exception: If a student has a positive PPD and/or has received a BCG vaccine, a chest X-ray is required every two years. A positive PPD with active TB symptomatology requires an immediate chest X-ray and medical evaluation. Most clinical affiliates require students to receive the Hepatitis B vaccination series or sign a declination statement as a condition for practicing in the facility.

- Shadowing a respiratory therapist at a health care facility is required prior to admission to the Respiratory Care Program.

Transfer or Returning Students

Prior to beginning or resuming Respiratory Care course work, transfer and returning students must:

- Meet with a Respiratory Care advisor. Call for an appointment at 315-792-5664.
- Submit proof of CPR certification to the Health Center.
- Submit a completed Respiratory Care Student Health Form to the Respiratory Care Clinical Coordinator.
- Pass applicable Proficiency Written and/or Skill Exam. A fee is charged for proficiency exams.
- Pass the Respiratory Care Medication Written Exam with 80% accuracy, which includes medication calculations.