

Respiratory Care Program

A Joint Admissions Program with the University of Medicine and Dentistry of NJ

Division of Nursing & Allied Health — Curriculum Code: 2112

Will Earn Upon Program Completion: Associate in Science (A.S.) Degree

Why major in Respiratory Care?

Respiratory therapists are health care specialists who participate in the diagnosis, treatment, management, education, and preventive care of patients with disorders of the cardiopulmonary system. They work in hospitals, caring for patients on medical and surgical wards, in emergency rooms, in neonatal, adult, and cardiac intensive care units, and in outpatient departments. They also provide care in patients' homes, rehabilitation centers, nursing homes, and other healthcare facilities. Experienced therapists with advanced education qualify for teaching positions or managerial jobs in areas such as equipment sales and marketing. The program is accredited by the Committee on Accreditation for Respiratory Care (CoARC).

If I major in Respiratory Care, can I transfer to an upper-division college or university?

The major is job-oriented and not designed for transfer to a baccalaureate program. However, colleges and universities, including the University of Medicine and Dentistry of New Jersey (UMDNJ), New Jersey City University, and Thomas Edison State College will apply most or all of the courses you have taken toward a bachelor's degree.

Are there any requirements I must satisfy before I start taking courses in my major?

Admission into the program is selective. Application deadline for admission into the professional component of the program at the University of Medicine and Dentistry of New Jersey (UMDNJ) is February 1 for courses beginning the following June. **Each student must meet with a program advisor prior to submission of an application.** Students are chosen by a joint admissions committee of both institutions. The following are the minimum requirements for admission:

- Be at the college level in reading, English, and mathematics, which may require the completion of developmental courses based on placement test scores;
- Complete a 35-credit pre-professional component of general education courses and basic science courses and have a cumulative grade point average of 2.75 or better;
- Have a passing grade of "C" for all courses designated BIO, CHM, or MTH; and
- Have a current CPR card (BLS-C for health care providers).

How long will it take me to complete this degree?

Following completion of the prerequisite course work, the professional phase of the Respiratory Care Program can be completed within two academic semesters and one summer semester as a full-time student. Should a part-time schedule be requested and approved, the student will have a maximum of four academic semesters and two summer terms to complete the course work (part-time option is granted on a case by case basis).

Where should I direct specific questions about this program?

Call the Allied Health Division at (973) 877-1865/3246.

Upon completion of this program, graduates will be able to:

- ◆ Take the entry and registry examinations offered by the National Board for Respiratory Care, and obtain the New Jersey State Board of Respiratory Care license;
- ◆ Obtain and analyze physiological specimens;
- ◆ Interpret physiological data;
- ◆ Perform tests and studies of the cardiopulmonary system;
- ◆ Identify medical gases and environmental control systems;
- ◆ Perform mechanical ventilator support;
- ◆ Perform oxygen therapy, humidification, and aerosol therapy;
- ◆ Administer artificial airway care;
- ◆ Perform bronchopulmonary hygiene;
- ◆ Utilize pharmacological agents related to respiratory care procedures;
- ◆ Assist in cardiopulmonary rehabilitation and hemodynamic cardiovascular support;
- ◆ Perform cardiopulmonary resuscitation;
- ◆ Educate patients and family on the disease process, medical therapy, and self-help; and
- ◆ Promote cardiopulmonary wellness and disease prevention measures.

Respiratory Care — A.S. Degree Program

(Also see General Science - A.S. Degree Program)

<p>GENERAL EDUCATION REQUIREMENTS: (33 credits)</p> <p>Communications (6 credits) ENG 101 College Composition I 3 ENG 102 College Composition II 3</p> <p>Social Science (6 credits) Select any two of the following courses 6 ANT 101, 105, POL 101, 104, PSY 101, 102, 219, SOC 101, 108, 219, ECO 101, 102.</p> <p>Lab Science/Math (12 credits) BIO 121 Anatomy & Physiology I 4 BIO 122 Anatomy & Physiology II 4 MTH 100 Introductory College Math 4</p> <p>Humanities (9 credits) Select a 200-level English literature course from: 3 ENG 205, 208, 215, 221, 222, 232, 237, 238, 242, 250, 263 or 264 Select a History course from: HST 101, 102, 111, 112, 121, 122, 131, 132, 134, 135, 136, 137, 161, 162 3 Select one of the following courses 3 ART 100, 101, 102, OR MUS 100, 108, 109</p> <p>ADDITIONAL COURSE REQUIREMENTS: (8 credits) BIO 211 Microbiology 4 CHM 101 College Chemistry I 4</p> <p>MAJOR COURSE REQUIREMENTS: (37 credits)</p> <p>RST 100 Core Concepts in Respiratory Care 2 RST 110 Fundamentals of Respiratory Care 4 RST 118 Clinical Practice I 1 RST 123 Applied Cardiopulmonary Patho. I 3 RST 125 Principles of Ventilatory Support 5 RST 128 Clinical Practice II 2 RST 138 Clinical Practice III 3 RST 212 Cardiopulmonary Pharmacology 3 RST 213 Applied Cardiopulmonary Patho. II 2 RST 214 Patient Management - Critical Care 3 RST 223 Cardiopulmonary Evaluation 3 RST 225 Pediatric/Neonatal Respiratory Care 3 RST 237 Long-Term, Home Rehabilitative Care 3</p> <p>The minimum passing grade for all courses designated BIO, CHM, MTH or RST is "C." If you earn a grade below "C," you need to repeat that course.</p> <p>Total Credits Required for Degree: 78</p>	<p>RECOMMENDED SEQUENCE OF COURSES*</p> <p>See program advisor for recommended sequence of General Education and additional course requirements.</p> <p>Summer Semester</p> <p>RST 100 Core Concepts in Respiratory Care 2 RST 110 Fundamentals of Respiratory Care 4 RST 118 Clinical Practice I 1 RST 123 Applied Cardiopulmonary Patho. I 3</p> <p>Fall Semester</p> <p>RST 125 Principles of Ventilatory Support 5 RST 128 Clinical Practice II 2 RST 212 Cardiopulmonary Pharmacology 3 RST 213 Applied Cardiopulmonary Patho. II 2 RST 223 Cardiopulmonary Evaluation 3</p> <p>Spring Semester</p> <p>RST 138 Clinical Practice III 3 RST 214 Patient Management - Critical Care 3 RST 225 Pediatric/Neonatal Respiratory Care 3 RST 237 Long-Term, Home Rehabilitative Care 3</p> <p>** All RST or Respiratory Care courses are offered through UMDNJ - School of Health Related Professions.</p> <p>Note: Transfer students must complete a minimum of 18 credits at ECC.</p>
--	---

* **NOTE:** This plan assumes the completion of all required developmental courses in reading, writing, and mathematics as well as other pre- and co-requisites for some of the courses, as listed in the Course Descriptions section.