

Respiratory Care

RESPIRATORY CARE JOINT PROGRAM WITH THE UNIVERSITY OF MEDICINE AND DENTISTRY OF NEW JERSEY

RESPIRATORY THERAPY DEPARTMENT

Associate in Science (A.S.) Degree

A degree in Respiratory Care is for individuals who like to help people of all ages recover from serious illness and who enjoy working with high tech equipment. All major courses taught at UMDNJ in Newark.

■ What do students learn by studying Respiratory Care?

They learn the latest techniques used to diagnose, treat and prevent cardiopulmonary disorders among infants, children and adults. Students also learn the work skills needed to get and maintain a satisfying job in the fast-paced health care environment.

■ Are there any requirements that must be satisfied before taking classes in the major?

Algebra I is a prerequisite for all majors. Algebra I competency may be verified with a passing score on the College's placement test or completion of the appropriate course. Students must also have a "C" or better in high school laboratory biology and laboratory chemistry and algebra II. As a result of the student's performance on the College's placement test, he or she may need developmental coursework. All developmental coursework must be completed before the student is considered for admission to the program.

■ Can a student transfer to a four-year college or university?

The Statewide Transfer Agreement for New Jersey ensures that students who earn an A.A. or A.S. degree at a community college will have those credits fully transferable to a New Jersey public four-year institution, will have completed half of the credits required for a basic four-year degree and will have completed all of the lower division general education requirements. In addition, articulation agreements with private institutions may provide similar transfer provisions. Students should discuss the transfer process with an advisor.

■ How long will it take to complete this degree?

Students can complete the degree in two years. They must register for the summer session at the end of their first year.

■ Are there any special requirements once the student is admitted to this major?

He or she must meet the academic standards of progress outlined on the next page to stay in the program.

■ Questions?

Contact: UMDNJ program director at 973.972.5503 or Dr. Reginald Luke, dean of Science, Mathematics and Health Technologies, at 732.906.2533.

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*Below are required courses and recommended course groupings and sequences for program completion.
Courses may have prerequisite and corequisite requirements. Check course descriptions for details.*

Courses	Credits	Requisites / Comments
Semester I		
BIO 111 Human Anatomy and Physiology I	4	One year of high school laboratory biology or BIO 010 and one year of high school laboratory chemistry or CHM 010. Also appropriate score on the College's placement test or MAT 013.
CHM 107 Principles of General, Organic & Biochemistry	4	One year of high school laboratory chemistry or CHM 010.
CSC 107 Computers in Health Technologies	1	
ENG 121 English Composition I	3	A passing score on the College's placement test or a grade of "C" or better in ENG 010.
MAT 107 Mathematics I	3	Appropriate score on the College's placement test, MAT 013, MAT 013A/MAT 013B, or departmental approval.
___ ___ General Education Humanities Elective (GE HUM)	3	
Semester II		
BIO 112 Human Anatomy and Physiology II	4	BIO 111
BIO 211 Principles of Microbiology	4	One year of high school laboratory biology or BIO 010 and one year of high school laboratory chemistry or CHM 010. Also appropriate score on the College's placement test or MAT 013.
ENG 122 English Composition II	3	A grade of "C" or better in ENG 121
OR		
ENG 125 English Composition II: Writing About Literature	3	
PED/HED Physical/Health Education Elective	1-3	
PSY 123 Introduction to Psychology	3	
___ ___ General Education Humanities Electives (GE HUM)	3	
___ ___ Two additional general education Social Sciences Electives (GE SS)	6	
Summer Session		
RST 100 Core Concepts in Respiratory Care	1	BIO 111 and acceptance into the Respiratory Care Program - Clinical Phase Corequisite(s): RST 102
RST 101 Fundamentals of Respiratory Care	4	Corequisite(s): RST 100, RST 102
RST 102 Clinical Practice I	1	Corequisite(s): RST 100, RST 101
RST 103 Applied Cardiopulmonary Pathophysiology I	2	
Semester III		
RST 203 Applied Cardiopulmonary Pathophysiology II	2	Prerequisite(s): RST 103
RST 207 Cardiopulmonary Pharmacology	2	Prerequisite(s): RST 103
RST 208 Principles of Ventilatory Support	4	Prerequisite(s): RST 101 Corequisite(s): RST 209
RST 209 Clinical Practice II	2	Prerequisite(s): RST 101, RST 102 Corequisite(s): RST 208
RST 210 Cardiopulmonary Evaluation	2	Prerequisite(s): RST 103
Semester IV		
RST 201 Patient Management in Critical Care	3	Prerequisite(s): RST 208 Corequisite(s): RST 211
RST 211 Pediatric/Neonatal Respiratory Care	3	Prerequisite(s): RST 208 Corequisite(s): RST 215
RST 212 Long-Term, Home and Rehabilitation Care	3	
RST 215 Clinical Practice III	3	Prerequisite(s): RST 208, RST 209

Total Credits: 74-76

Standards of Progress:

- Maintenance of cumulative grade point average of 2.5.
- Must achieve a "C" grade or better in all Respiratory Care and science courses in order to progress in the curriculum.
- May have only one (1) unsatisfactory grade (i.e. grade less than "C") in any Respiratory Care or science course for the duration of the program.
- May retake a Respiratory Care or science course only once and obtain a passing grade i.e. "C" or better).

NOTE: Currently, all Respiratory Care Courses (RST) are offered only at the UMDNJ campus in Newark. In order to continue to the clinical phase of the Respiratory Care Courses, student must have completed almost all the major science and General Education courses prior to the summer session. All RST courses are assessed the UMDNJ tuition and fee rates.

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