

2016

B.S. in Respiratory Therapy Curriculum

Nova Southeastern University

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NSUWorks Citation

Nova Southeastern University, "B.S. in Respiratory Therapy Curriculum" (2016). *Health Professions Divisions Course Catalogs*. 57.
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Bachelor of Science in Respiratory Therapy (B.S.R.T.), Postprofessional (completion) Curriculum 2016

[Curriculum](#)

PRE/CO-REQUISITES GENERAL EDUCATION COURSES

Title	Credits
Written Communication above 1500 level	6
Mathematics above 1040 level	6
Humanities	6
Social and Behavioral Sciences	6
Natural and Physical Sciences	6

TOTAL CREDITS: 30

PROFESSIONAL COURSES

The following professional courses will be required for completion.

NSU Post-Professional Curriculum

Course Number	Course Title	Credits
RRT 3016	Advanced Cardiopulmonary Physiology for Respiratory Therapy Advanced physiology of the cardiovascular and pulmonary systems. This course includes study of respiratory physiology, cardiac and circulatory function with relevant clinical application of concepts in ECG interpretation, blood pressure regulation, gas exchange and transport, breathing regulation, respiratory insufficiency and congenital abnormalities.	3
RRT 3018	Advanced Pharmacology in Respiratory Therapy This course builds upon a basic understanding of the concepts and principles of pharmacology as applied in the respiratory therapy in the management of patient with cardiopulmonary disease and critical care.	3
RRT 3015	Critical Care Pathophysiology for Respiratory Therapy A survey of the disease processes which affect the tissues, organs, or the body as a whole. Special emphasis is placed on infectious diseases, their causes, prevention and treatment in the critical care setting.	3
RRT 3017	Outpatient Services in Respiratory Therapy This course is an introduction to the history, trends, issues, and evolution of the outpatient services and reimbursement for respiratory therapy services. The course includes selected respiratory care theories and practices in alternate-care sites including pulmonary diagnostics, pulmonary rehabilitation, home care, sub-acute care.	3

Course Number	Course Title	Credits
RRT 3021	Sleep Medicine The course provides an in-depth overview of sleep medicine to include the anatomical and physiological considerations of sleep and breathing. Sleep disorders and polysomnography are explored to include monitoring techniques and instrumentation.	3
RRT 3020	Quality Improvement in Healthcare Introduction and evaluation of current approaches to assessing risk and improving health care quality through the practice of continuous quality improvement. Focuses on conceptual understanding and experiential learning. Pre-Req: Statistics	3
RRT 3014	Advanced Patient Monitoring and Assessment Techniques and methods used to analyze and evaluate the health status of critically ill adult patients with emphasis on the respiratory, cardiovascular, and renal systems.	3
BHS 4031	Statistics for Health Sciences This course will provide an introduction to the conceptual foundation of statistical analysis & reasoning of health sciences data, and will prepare the student to calculate, interpret, and utilize appropriate software packages for basic statistical analysis.	3
RRT 4005	Evidence-Based Practice This course will provide the student with an introduction to evidence-based practice, and an opportunity to acquire the skills necessary to incorporate evidence and best practices into professional work. This will include an understanding of research methods and critical appraisal of the research literature. Pre-req Statistics	3
RRT 4006	Leadership and Management for Respiratory Care Extensive examination of current practices/trends of techniques used in the leadership of the health care environment. Emphasis will be placed upon specific skill sets used by the managers of today's workforce.	3
RRT 4007	Education Principles in Health Care An introduction to basic principles of education and their application to the current health care environment. Course content includes information on designing a lecture or course for the classroom, as an in-service or in a continuing education program. It focuses on assessing educational needs, organizing instruction, instructional methods and education.	3
RRT 4009	Legal and Ethical Considerations in Respiratory Care This course will provide a forum for discussion of current ethical, legal and professional issues. We will refer to historical and emerging controversies in health care and society that influence the patient-patient care giver relationship. The method of instruction will primarily be student presentation and classroom discussion of current issue. Pre-Req: Statistics	3
RRT 4010	Case Management Theory & Process	3

TOTAL CREDITS: 39

Practical Course Work and Experiences (2 Required)

Course Number	Course Title	Credits
RRT 4502	Practicum This course includes experiences in a chosen focus area (clinical, administrative, or population-based). This experience will culminate in a capstone project in the form of research, or other scholarly activity that articulates the design, organization, statistics and data analysis used and includes a written presentation of the project. Pre-Req: Statistics, all core courses	3
RRT 4505	Scientific Investigation I This course provides the student with an opportunity to gain experience in applying the scientific method. Emphasis will be on literary inquiries, statistical analysis, research design, and the preparation of material for publication. The student will develop an independent project or thesis proposal under the supervision of a faculty adviser, and prepare and submit a final report prior to the end of the students academic program. Prerequisite: A course in statistics, and all core courses.	3
RRT 4506	Internship Designed to have the student demonstrate competency related to clinical processes in an advanced practice area (neonatal critical care, pediatric critical care, adult critical care, pulmonary rehabilitation, pulmonary function laboratory, polysomnography, hyperbaric therapy, respiratory care management or respiratory care education). Students should select the specialty section that reflects their area of expertise. A written presentation will be required. Prerequisite: A course in statistics and permission of instructor and all core courses. Online degree- completion students must enroll in the Specialty Section in which they have the most clinical experience and expertise.	3
RRT 4507	Scientific Investigation II This course provides the student with the opportunity to perform a systematic review or meta-analysis. Emphasis will be on study protocol design, define inclusion/exclusion criteria, literature search strategies, and statistical methods for analysis. The student will develop an independent systematic review or meta-analysis with the aid of a faculty advisor and submit as a final project prior to graduation. Prerequisite: A course in statistics, scientific investigation, permission of instructor and all core courses.	3

TOTAL CREDITS: 6

"Maryland students are required to complete Scientific Investigation 4505 and Scientific Investigation 4507 as part of the Bachelor of Science in Respiratory Therapy Program. No internships, practicums, or externships within the state of Maryland will be considered a part of the curriculum for Maryland students."

TOTAL SEMESTER HOURS REQUIRED FOR GRADUATION FROM THE BSRT

Title	Credits
Total Prerequisite General Education Courses	30
Total Professional Course Requirement	39
Total Practical Course Requirement	6
Total Block Grant Credit for current RRT	45

TOTAL CREDITS: 120

Completion Program Tuition: \$445 per credit hour.

OPTIONAL SPECIALIZATION IN MANAGEMENT

These courses can be taken in addition to the post-professional curriculum and required practical course work. Completion of the following (15 credits / 5 courses) will grant a specialization in Health Care Management in addition to the BSRT degree.

Course Number	Course Title	Credits
BHS 3155	Conflict Management in Health Care	3
BHS 3161	Health Care Finance	3
BHS 3162	Economics of Health Services	3
RRT 4103	Strategic Planning and Organizational Development for Healthcare	3
RRT 4014	Operational Analysis and Quality Improvement	3

TOTAL CREDITS: 15
