Faculty Initiating Request: Charles Matson    Submission Date: 3/5/18

Department/School: Respiratory Therapy/School of Health Sciences

Degree Program: BS Respiratory Therapy Entry-Level Program    Effective Date: 8/1/18

Provide a description of the program exactly as it will appear in the catalog:

See attached complete catalog description.
See attached current program of study & course descriptions

See attached modified program of study and course descriptions eliminating RESP 4123 and adding RESP 4124 and adjusting virtual clinical courses to become 2 credit hour lecture with a 1 credit laboratory.
Provide a brief rationale for this program modification. For example, does it reflect updated disciplinary content? Does it align the program with state or national norms? Does it promote progression?

With the deactivation of the AS program, catalog description changes were required. The program was approved with a minimum GPA of 2.50 which also required a catalog change.

The program modifications are needed to allow sufficient student laboratory practice time and exposure to alternative respiratory care curricular content.

Upon review of the curriculum, it was noted that students needed dedicated laboratory time. It was determined that the Virtual Clinical courses would be the best place to do this, changing the virtual clinical 3 credit hour lecture courses to virtual clinical 2 credit hour lecture courses with an attached 1 credit hour laboratory (3hr laboratory).

Upon review of the curriculum and in accordance with CoARC matrix standards, it was determined a dedicated course to Alternative Respiratory Care content was needed. Neonatal/Pediatric content was represented in 3 courses, making Neonatal/Pediatric Specialty the best course to substitute.
Catalog Description- Respiratory Therapy

Chair: Teri Miller

Respiratory Therapy is a health care profession dedicated to the care, management, and life-support of individuals having deficiencies and abnormalities associated with the cardiopulmonary system. Respiratory Therapists are experts in the use of therapeutic and diagnostic aids to respiration. They must have a working knowledge of chemistry, microbiology, and physiology as well as respiratory therapy.

General Information

The following information applies to all respiratory therapy programs. Middle Georgia State University offers a Bachelor of Science in Respiratory Therapy Entry-Level Program (BSRT-entry) and a Bachelor of Science Completion Program (BSRT-completion). The most current academic policies and program information are available online. The BSRT-entry program solicits input from an Advisory Committee that meets regularly to review the program's goals and objectives and to make recommendations to ensure that these goals and objectives are met. The committee is made up of the Medical Director, physicians, managers, respiratory therapists, faculty, and students. The Respiratory Therapy Program's Medical Director provides input to ensure that the medical components of the curriculum, both didactic and supervised clinical practice, meet the standards of medical practice.

Mission Statement

The mission of the Department of Respiratory Therapy is to provide quality education that prepares competent respiratory care professionals to serve a diverse health care community. The overarching vision for the Department of Respiratory Therapy at Middle Georgia State University is to be a regionally and nationally recognized respiratory therapy program of excellence by providing students with a first-class education which will prepare them to be actively engaged professionals through education, community service learning, and advanced practice.

Accreditation and Approvals
The Commission on Accreditation for Respiratory Care (CoARC) accredits the BSRT-entry program. Graduates will be eligible to take the National Board for Respiratory Care (NBRC) Therapist Multiple-Choice Examination. If the candidate achieves the lower cut score, they will earn the CRT credential. If a candidate achieves the higher cut score, they will earn the CRT credential and become eligible for the Clinical Simulation Examination and the opportunity to earn the RRT credential. Application must be made for State Licensure to work in the State of Georgia.

**Student Expectations**

Middle Georgia State University students are responsible for fulfilling their academic responsibilities in an honest and forthright manner conducting themselves with civility in interpersonal interactions. The Middle Georgia State University Code of Conduct and the Respiratory Therapy Handbook contain a full description of student rights and responsibilities and the disciplinary procedures that will guide the action of the faculty and administration should a student allegedly violate the code. Students who are charged with a violation of the Middle Georgia State University Code of Conduct or the Respiratory Therapy Handbook will be subject to disciplinary procedures by the School of Health Science and Middle Georgia State University. Any violation, whether related to lack of integrity or civility, may result in dismissal from the Respiratory Therapy Program without consideration for re-entry.

**General Requirements and Procedures for Admission to the Respiratory Therapy Programs**

1. Admission to the Respiratory Therapy Program is competitive and limited. To be considered for admission or readmission to the program, applicants must first: (a) be admitted to the University in “good academic standing” with a minimum cumulative academic GPA of 2.50,

2. Once students qualify they may obtain application materials required for admission to the program online or from the Office of Respiratory Therapy.

3. Using all available data, including the application, SAT scores when available, high school GPA or university academic GPA in courses
required in the respiratory therapy curriculum, letters of reference, the Admissions Committee of Respiratory Therapy will evaluate all applicants who meet the admission criteria and select the best qualified applicants for admission. Limited numbers of students are formally accepted each year due to the intensive hospital training.

4. BSRT-entry applicants must take the Respiratory Entrance Exam (REE). Applicants are accepted based on all available data including the Respiratory Entrance Exam (REE) score. Acceptance into the Respiratory Therapy Program is highly competitive.

5. The Respiratory Entrance Exam (REE) must be administered at Middle Georgia State University by the Testing Center or the Respiratory Therapy Program.

6. If the cumulative GPA in required courses falls below the minimum 2.50 subsequent to their acceptance but prior to the beginning of the cohort’s first semester of the program, they will be denied the privilege of entering the program.

7. Applicants who are accepted for admission into the program but who do not enter the program the semester they applied for must reapply in order to be considered for admission to a future class.

8. Applicants who are not accepted to the program may pursue another major at the University by notifying the Office of the Registrar that they wish to change majors.

9. Students who enter the program must have a Criminal Background Check and Urine Drug Screen performed by a company approved by the Respiratory Therapy Program. Clinical agencies will review Criminal Background Check and Urine Drug Screen results. The student must be approved by the clinical agency in order to participate in clinical experiences and progress in the program. If a clinical affiliate does not allow a student to attend clinical and the student is unable to meet class, lab, or practicum objectives, the student will not be allowed to progress in the Respiratory Therapy Program.

Based on professional judgment of the faculty, random Criminal Background Checks or Urine Drug Screen may be required while in the Respiratory Therapy Program. This testing, if required, will be at the student's expense.
Students enrolled in Respiratory Therapy courses are required to have health insurance that meets minimum standards as mandated by the University System of Georgia. Students who are covered by an acceptable policy held by a parent, spouse, company, or organization may request a waiver. Individual or Association Policies will not be considered for a waiver.

10. Students seeking admission to the Bachelor of Science Completion Program must have completed a regionally accredited respiratory therapy program with an associate degree and have earned the RRT credential.

**Note:** Middle Georgia State University will accept Anatomy and Physiology I, Anatomy and Physiology II, and Microbiology coursework under Area F for Respiratory Therapy Bachelor of Science Completion Program majors who earned an associate degree in Respiratory Therapy from a regionally accredited technical college and who have earned the Registered Respiratory Therapist (RRT) credential from the National Board for Respiratory Care (NBRC).

**Academic Standards for Respiratory Therapy Program: Progression, Dismissal, and Readmission**

In addition to the other academic regulations of the University, the following requirements apply to the Respiratory Therapy Program:

1. A grade of at least a “C” is required for successful completion of each required respiratory therapy course.

2. A grade of at least a “C” is required in BIOL 1114K, 1124K, 1134K, CHEM 1151K, ENGL 1101, 1102, PSYC 1101, and the Area A MATH elective.

3. Prerequisites core curriculum must be completed prior to entering the Respiratory Therapy program.

4. Failure to meet progression requirements will result in dismissal from the Respiratory Therapy Program.
5. Students in good standing who voluntarily withdraw from the respiratory program may apply to re-enter the program on a space available basis.

6. In addition to the requirements set forth in the Middle Georgia State University Academic Catalog, the student is responsible for adhering to all of the policies and procedures outlined in the Respiratory Therapy Student Handbook.

7. Academic misconduct, in any form, will not be tolerated and may result in dismissal from the program or not being admitted into the program.

**Note:** Applicants who are accepted for admission into the Respiratory Therapy Program must submit to the Director of Respiratory Therapy a physical examination report, and health requirements as adopted by the department. Enrolled respiratory therapy students must enroll in the student professional liability insurance offered by the University. Certificate and insurance must be valid during the freshman and sophomore years. A valid American Heart CPR card is mandatory throughout the student’s program of study.

While students who have been convicted of a felony may be admitted to the Respiratory Therapy Program, such a conviction may prohibit them from attending clinical rotations, taking the national board examinations and/or becoming licensed by the Georgia Composite State Medical Board which governs respiratory care practice in the State of Georgia.

**Readmission to the Program**

Readmission to the program is at the discretion of the Department Chair. In order to be considered for readmission into the program, the student must be in "good academic standing" and meet criteria for re-entry consideration as established by the Department Chair.

**Performance Standards**

A Respiratory Care Practitioner (RCP) is an integral part of the health care profession that supports and maintains respiration by administering therapies or by providing diagnostic services. The RCP must demonstrate cognitive, psychomotor, and affective skills in such a manner as to not place one's self, another health care worker, or the patient in any danger. Failure to
demonstrate any of the abilities listed below is cause for dismissal from the RT program.

As mandated by the American Disabilities Act and the Rehabilitation Act of 1973 (Section 504), any impairment will be given careful consideration judged by the accommodations which must be made and by the ability to be educated and employed in the field of Respiratory Therapy.

An applicant should inform the Chair of Respiratory Therapy prior to Admission to the program of any documented disabilities that relate to the identified performance standards.

The following is a list of the essential job functions of a RCP that must be performed independently on a daily basis.

### Practice Performance Standards

<table>
<thead>
<tr>
<th>ISSUE</th>
<th>PERFORMANCE STANDARD</th>
<th>EXAMPLES OF NECESSARY ACTIVITIES (NON ALL-INCLUSIVE)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Critical Thinking</td>
<td>Critical-thinking ability sufficient for clinical judgment</td>
<td>Identify cause/effect relationships in clinical situations, maintains client's physical and emotional safety, demonstrates competence in administration of meds, treatments and procedures, develop care plans</td>
</tr>
<tr>
<td>Interpersonal</td>
<td>Interpersonal abilities sufficient for interaction with individuals, families and groups from various social, emotional, cultural and intellectual backgrounds</td>
<td>Establish rapport with clients and colleagues, tolerate physically taxing workloads alternating shifts, function effectively during stressful situations, respond appropriately in stressful and emergency situations (physically, emotionally, mentally)</td>
</tr>
<tr>
<td>Communication</td>
<td>Communication abilities sufficient for verbal and written interaction with others</td>
<td>Speak clearly and succinctly; Describe client situations; Perceive nonverbal communication; Communicate effectively with physicians, staff, clients and client's families; Explain treatment procedures, initiate health teaching, and document and interpret nursing actions and client responses</td>
</tr>
</tbody>
</table>
Mobility  | Physical abilities sufficient for movement from room to room and in small spaces | Stand for long periods of time; Work at a fast pace for long periods of time; Moves around in client’s room, work spaces and treatment areas; Administer cardiopulmonary procedures
---|---|---
Motor Skills  | Gross and fine motor abilities sufficient for providing safe, effective nursing care | Lift heavy objects; Use equipment and tools needed to carry out safe client care, position clients; Don sterile gloves and gown; Prepare medication aseptically.
---|---|---
Hearing  | Auditory ability sufficient for monitoring and assessing health needs | Hear nurse call bell from clients; Hear telephone and have the ability to take orders over the telephone; Hear vital statistics with stethoscope to assess blood pressure, heart rate, lung vascular and abdominal sounds; Hear monitor alarm and emergency signals requiring quick response, and cries for help
---|---|---
Visual  | Visual ability sufficient for observation and assessment necessary in nursing care | Observe client responses and assess correctly; see nurse call/emergency light; Read doctor’s orders; Read very fine, small print on medication containers; Read monitors and other equipment
---|---|---
Tactile  | Tactile ability sufficient for physical assessment | Perform palpation, functions of physical examination; Manual dexterity to use sterile technique to insert catheters (IV, Foley)

Adopted from SREB Council on Collegiate Education for Nursing

**Bachelor of Science Respiratory Therapy Entry-Level Program**

This entry level Bachelor of Science Respiratory Therapy degree program is a problem based learning model where students learn through context specific medical problems and cases. This program is accredited by the Commission on Accreditation for Respiratory Care (CoARC). The program’s primary goal is to prepare graduates with demonstrated competence in the
cognitive (knowledge), psychomotor (skills), and affective (behavioral) learning domains of respiratory care practice as performed by registered respiratory therapists (RRTs).

**Bachelor of Science Respiratory Therapy Completion Program**

The Bachelor of Science in Respiratory Therapy Completion Program provides an education that is relevant and professionally sound to meet the respiratory therapy needs of the health care community. The respiratory therapist works with all members of the health care team in identifying and solving problems of respiratory disease and disorders of the cardiopulmonary system. The curriculum includes biological and physical sciences basic to understanding the functioning of the human breathing system, such as anatomy, physiology, medical terminology, chemistry, mathematics, microbiology, and physics and is designed to advance the knowledge of credentialed respiratory therapists.
**Current Bachelor of Science Respiratory Therapy Entry-Level Program**

**Area A Credit: 9 hours**

Essential Skills

ENGL 1101 - English Composition I Credit: 3 hours
and
ENGL 1102 - English Composition II Credit: 3 hours
or
ENGL 1102H - Honors English Composition II Credit: 3 hours

Math Elective - Credit: 3 hours
Choose one of the following courses:
- MATH 1101 – Introduction to Mathematical Modeling Credit: 3 hours
- MATH 1111 – College Algebra Credit: 3 hours
- MATH 1112 – Plane Trigonometry Credit: 3 hours
- MATH 1113 – Precalculus Credit: 3 hours
- MATH 1113H – Honors Precalculus Credit: 3 hours
- MATH 1251 – Calculus I Credit: 4 hours

**Area B Credit: 4 hours**

Institutional Options
Perspectives Elective Credit: 4 hours

**Area C Credit: 6 hours**

Humanities/Fine Arts
Literature Elective Credit: 3 hours
Area C Elective Credit: 3 hours

**Area D Credit: 11 hours**

Science, Math and Technology
Lab Science CHEM 1151K - Survey of Chemistry I Credit: 4 hours
Lab Science CHEM 1152K - Survey of Chemistry II Credit: 4 hours
Area D elective Credit: 3 hours
- Suggested: MATH 1200

**Area E Credit: 12 hours**

Social Sciences
HIST 2111 - United States History to 1865 Credit: 3 hours
or
HIST 2112 - United States History Since 1865 Credit: 3 hours
POLS 1101 - American Government Credit: 3 hours
and
Area E Elective Credit: 3 hours
Area E Elective Credit: 3 hours
  • Suggested: SOCI 1101, SOCI 1160, ECON 2105, ECON2106

Area F Credit: 18 hours

Required:
BIOL 1114K - Anatomy and Physiology I Credit: 4 hours
BIOL 1124K - Anatomy and Physiology II Credit: 4 hours
BIOL 1134K - Microbiology for Health Sciences Credit: 4 hours
PSYC 1101 - Introduction to General Psychology Credit: 3 hours

Guided Elective (1) Credit: 3 hours
  • Suggested Area F Electives include:
    PSYC 2103 - Introduction to Human Development Credit: 3 hours
    PHYS 1111K - Introductory Physics I Credit: 4 hours
    PHYS 1112K - Introductory Physics II Credit: 4 hours
    PHYS 2211K - Principles of Physics I Credit: 4 hours
    PHYS 2212K - Principles of Physics II Credit: 4 hours
    CHEM 1211K - Principles of Chemistry I Credit: 4 hours
    CHEM 1212K - Principles of Chemistry II Credit: 4 hours
    CHEM 2211K - Fundamental Organic Chemistry I Credit: 4 hours
    CHEM 2212K - Fundamental Organic Chemistry II Credit: 4 hours

Upper Division Respiratory Therapy Courses Required for Entry-level Program

Credit: 60 hours
RESP 3110 – Problem Based Learning: Credit 3 hours
RESP 3111 – Fundamentals of Respiratory Care I: Credit 3 hours
RESP 3112 – Virtual Clinical Experience 1: Credit 3 hours
RESP 3113 – Diagnostics: Credit 1 hour
RESP 3114 – Cardiopulmonary Research: Credit 2 hours
RESP 3115 – Clinical Rotation I: Credit 1 hour
RESP 3120 – Teaching and the Adult Preceptor: Credit 2 hours
RESP 3121 – Fundamentals of Respiratory Care II: Credit 3 hours
RESP 3122 – Virtual Clinical Experience 2: Credit 3 hours
RESP 3123 – Cardiopulmonary Critical Care I: Credit 3 hours
RESP 3125 – Clinical Rotation II: Credit 2 hours
RESP 3126 – Clinical Rotation III: Credit 1 hour
RESP 3110 - Problem Based Learning  
Credit: 3 hours  
Prerequisites: Admission into the program  
An introduction to the process of problem-based learning using small groups to discuss patient problems pertaining to cardiopulmonary disease. Development of communication, critical thinking, and peer teaching skills are emphasized. Orientation to and assessment of the effective use of electronic resources to research learning topics is included. Lecture/Lab hours: Three hours lecture per week.

RESP 3111 - Fundamentals of Respiratory Care I  
Credit Hours: 3 Hours  
Prerequisites: Admission into the program.  
This course examines principles and applications of cardiopulmonary physiology, physical assessment, and basic respiratory care equipment and techniques related to the most common pulmonary diseases. Lecture/Lab Hours: Three hours lecture per week.

RESP 3112 - Virtual Clinical Experience I  
Credit Hours: 3 Hours  
Prerequisites: Admission into the program.  
Simulations will be presented so learners can relate to cases in Fundamentals using all therapies and devices involved in the patients’ care. Lecture/Lab hours: Three hours lecture per week.

RESP 3113 - Diagnostics  
Credit: 1 Hour
Prerequisites: Admission into the program.
This course presents the various tools that will allow the learner to diagnose and treat patients with a variety of pathophysiological issues. Lecture/Lab hours: One hour lecture per week.

RESP 3114 - Cardiopulmonary Research
Credit: 2 Hours
Prerequisites: Admission into the program.
An introduction to research principles and statistics. Emphasis on critiquing research pertaining to probability, sample sizes, population and other adhered to research principles. Lecture/Lab hours: Two hours lecture per week.

RESP 3115 - Clinical Rotation I
Credit Hours: 1 Hour
Prerequisites: Admission into the program.
Students perform respiratory care procedures in acute care areas and alternate sites with emphasis placed on patient assessment and basic care techniques. 8 hrs/wk x 7.5wks (2nd half of semester). Clinical Hours: 60 hours/semester

RESP 3120 - Teaching and the Adult Preceptor
Credit: 2 Hours
Prerequisites: Admission into the program.
This course explores topics related to education, learning styles, presentation development, clinical education, preceptorship, patient education and mentoring. Emphasis is placed on facilitating adult learning, assessment of adult learners in the clinical environment and utilization of varied teaching approaches at the bedside and the classroom. Lecture/Lab hours: Two hours lecture per week.

RESP 3121 - Fundamentals of Respiratory Care II
Credit: 3 Hours
Prerequisites: A "C" or better in RESP 3111 - Fundamentals of Respiratory Care I
This course examines principles and applications of cardiopulmonary physiology, physical assessment, and basic respiratory care equipment and techniques related to the less common pulmonary diseases. Lecture/Lab Hours: Three hours lecture per week.

RESP 3122 - Virtual Clinical Experience 2
Credit: 3 Hours
RESP 3112 - A "C" or better in RESP 3112 - Virtual Clinical Experience 1
A problem based learning experience covering the modes, initiation, management, weaning, and troubleshooting of mechanical ventilation, including NIPPV; basic and advanced airway management techniques on patient populations covered in Critical Care 1; Application of EKG, hemodynamic monitoring, and other diagnostic devices will be included. Lecture/Lab Hours: Three hours lecture per week.

RESP 3123 - Cardiopulmonary Critical Care I
Credit: 3 Hours
Prerequisites: A "C" or better in RESP 3111 - Fundamentals of Respiratory Care I
This course examines principles and applications of cardiopulmonary physiology, physical
assessment, and advanced respiratory care equipment, and techniques related to the
cardiopulmonary conditions treated in the intensive care unit. Emphasis will be placed on basic
life support and critical care monitoring as well as airway management and non-invasive
treatment measures. Lecture/Lab Hours: Three hours lecture per week.

RESP 3125 - Clinical Rotation II
Credit: 2 Hours
Prerequisite: A "C" or better in Clinical Rotation I.
Students perform respiratory care procedures in acute care areas, emergency, and alternate sites
with emphasis placed on patient assessment and basic care techniques. Clinical Hours: 120
hours / semester.

RESP 3126 - Clinical Rotation III
Credit: 1 Hour
Prerequisites: A "C" or better in Clinical Rotation I.
Students perform respiratory care procedures in traditional and non-traditional respiratory
specialty areas. Clinical Hours: 60 hours / semester

RESP 3131 - Neonatal Pediatric Care
Credit: 3 Hours
Prerequisites: Admission to the Respiratory Therapy program.
Comprehensive study of neonatal and pediatric respiratory care with the emphasis on fetal
development, labor and delivery, patient assessment, resuscitation techniques, cardiopulmonary
diseases, and techniques of conventional and non-conventional mechanical ventilation.
Lecture/Lab Hours: Three hours lecture per week

RESP 3133 - Cardiopulmonary II
Credit: 3 Hours
Prerequisites: A "C" or better in RESP 3123 - Cardiopulmonary Critical Care I
This course covers advanced critical care techniques that will be discussed in the context of
specific patient cases. Lecture/Lab Hours: Three hours lecture per week.

RESP 3135 - Clinical Rotation IV
Credit Hours: 1 Hour
Prerequisites: A "C" or better in Clinical Rotation III.
Students perform respiratory care procedures in the intensive care unit and other critical care
areas. Clinical Hours: 60 hours / semester.

RESP 4100 - Independent Study
Credit: 1-4 Hours
Prerequisites: Permission of the Chair of Respiratory Therapy.
This course is individually designed under the direction of faculty to allow students opportunities
to explore specific areas of interest in respiratory therapy.
RESP 4110 - Leadership and Management
Credit: 2 Hours
Prerequisite: Admission to the Respiratory Therapy program.
This course presents theory and clinical application various leadership and management practices. It involves a method of evaluation that is composed of structure, process, and outcome evaluations which focus on improvement efforts to identify root causes of problems, intervene to reduce or eliminate these causes, and take steps to correct the process. With its proactive, systems-evaluation approach, recognizing that the majority of problems result from a failure in the process of providing the service, as opposed to being attributable to the providers themselves. Lecture/Lab hours: Two hours lecture per week.

RESP 4111 - Neonatal Pediatric Critical Care
Credit: 3 Hours
Prerequisite: Admission to the Respiratory Therapy program.
This course is a study of advanced pediatrics and neonatology in the intensive care setting. Students increase knowledge in assessment and evaluation, identification and utilization of critical skills, procedures in the intensive care setting in a general review of perinatal/pediatric respiratory care. Lecture/Lab hours: Three hours lecture per week.

RESP 4112 - Virtual Clinical Experience 3
Credit: 3 Hours
Prerequisites: A "C" or better in RESP 3122 - Virtual Clinical Experience 2.
A problem based approach to the initiation and application of NIPPV; basic and advanced airway management techniques on patient populations covered in Critical Care 2 and Neo/Ped Fundamentals. Hands on experience with equipment and techniques used in neonatal and pediatric respiratory care. Lecture/Lab hours: Three hours lecture per week.

RESP 4113 - Advanced Critical Care
Credit: 3 Hours
Prerequisites: A "C" or better in RESP 3133 - Cardiopulmonary Critical Care
This is a holistic study of cardiopulmonary diseases and the necessary treatment, monitoring, and patient care necessary for supporting patients in the intensive care settings. Lecture/Lab hours: Three hours lecture per week.

RESP 4115 - Clinical Rotation V
Credit: 2 Hours
Prerequisites: A "C" or better in RESP 3135 - Clinical Rotation IV.
Students perform respiratory care procedures in the neonatal, pediatric and cardiovascular ICUs as well as other critical care areas. Clinical Hours: 120 Hours / semester.

RESP 4116 - Clinical Rotation VI
Credit: 1 Hour
Prerequisites: A "C" or better in RESP 3135 - Clinical Rotation IV.
Students perform respiratory care procedures in traditional and non-traditional respiratory specialty areas.
Clinical Hours: 60 Hours/semester.
RESP 4120 - Respiratory Care Seminar  
Credit: 2 Hours  
Prerequisites: Admission to the Respiratory Therapy program.  
Course includes discussion of recent trends in respiratory care. Students prepare a resume and practice interview/communication skills. Comprehensive written and clinical simulation examinations are administered. Lecture/Lab hours: Two hours lecture per week.

RESP 4123 - Neonatal / Pediatric Specialty  
Credit: 3 Hours  
Prerequisites: A "C" or better in RESP 4111 - Neonatal / Pediatric Critical Care.  
This course is a study of advanced pediatrics and neonatology in the intensive care setting. Students increase knowledge in assessment and evaluation, identification and utilization of critical skills, procedures in the intensive care setting in a general review of perinatal /pediatric respiratory care. Lecture/Lab hours: Three hours lecture per week.

RESP 4125 - Clinical Rotation VII  
Credit Hours: 7  
Prerequisites: A "C" or better in RESP 4116 - Clinical Rotation VI.  
This internship experience gives the developing respiratory therapy student the opportunity to work a normal shift with licensed clinicians in various areas and facilities. Clinical Hours: 420 Hours / semester.
Modified Bachelor of Science Respiratory Therapy Entry-Level Program

Area A Credit: 9 hours

Essential Skills
ENGL 1101 - English Composition I Credit: 3 hours
and
ENGL 1102 - English Composition II Credit: 3 hours
or
ENGL 1102H - Honors English Composition II Credit: 3 hours
Math Elective - Credit: 3 hours
Choose one of the following courses:
• MATH 1101 – Introduction to Mathematical Modeling Credit: 3 hours
• MATH 1111 – College Algebra Credit: 3 hours
• MATH 1112 – Plane Trigonometry Credit: 3 hours
• MATH 1113 – Precalculus Credit: 3 hours
• MATH 1113H – Honors Precalculus Credit: 3 hours
• MATH 1251 – Calculus I Credit: 4 hours

Area B Credit: 4 hours

Institutional Options
Perspectives Elective Credit: 4 hours

Area C Credit: 6 hours

Humanities/Fine Arts
Literature Elective Credit: 3 hours
Area C Elective Credit: 3 hours

Area D Credit: 11 hours

Science, Math and Technology
Lab Science CHEM 1151K - Survey of Chemistry I Credit: 4 hours
Lab Science CHEM 1152K - Survey of Chemistry II Credit: 4 hours
Area D elective Credit: 3 hours
• Suggested: MATH 1200

Area E Credit: 12 hours

Social Sciences
HIST 2111 - United States History to 1865 Credit: 3 hours
or
HIST 2112 - United States History Since 1865 Credit: 3 hours
POLS 1101 - American Government Credit: 3 hours
and
Area E Elective Credit: 3 hours
Area E Elective Credit: 3 hours
  • Suggested: SOCI 1101, SOCI 1160, ECON 2105, ECON2106

Area F Credit: 18 hours

Required:
BIOL 1114K - Anatomy and Physiology I Credit: 4 hours
BIOL 1124K - Anatomy and Physiology II Credit: 4 hours
BIOL 1134K - Microbiology for Health Sciences Credit: 4 hours
PSYC 1101 - Introduction to General Psychology Credit: 3 hours

Guided Elective (1) Credit: 3 hours
  • Suggested Area F Electives include:
    PSYC 2103 - Introduction to Human Development Credit: 3 hours
    PHYS 1111K - Introductory Physics I Credit: 4 hours
    PHYS 1112K - Introductory Physics II Credit: 4 hours
    PHYS 2211K - Principles of Physics I Credit: 4 hours
    PHYS 2212K - Principles of Physics II Credit: 4 hours
    CHEM 1211K - Principles of Chemistry I Credit: 4 hours
    CHEM 1212K - Principles of Chemistry II Credit: 4 hours
    CHEM 2211K - Fundamental Organic Chemistry I Credit: 4 hours
    CHEM 2212K - Fundamental Organic Chemistry II Credit: 4 hours

Upper Division Respiratory Therapy Courses Required for Entry-level Program

Credit: 60 hours
RESP 3110 – Problem Based Learning: Credit 3 hours
RESP 3111 – Fundamentals of Respiratory Care I: Credit 3 hours
RESP 3112 – Virtual Clinical Experience 1: Credit 3 hours
RESP 3113 – Diagnostics: Credit 1 hour
RESP 3114 – Cardiopulmonary Research: Credit 2 hours
RESP 3115 – Clinical Rotation I: Credit 1 hour
RESP 3120 – Teaching and the Adult Preceptor: Credit 2 hours
RESP 3121 – Fundamentals of Respiratory Care II: Credit 3 hours
RESP 3122 – Virtual Clinical Experience 2: Credit 3 hours
RESP 3123 – Cardiopulmonary Critical Care I: Credit 3 hours
RESP 3125 – Clinical Rotation II: Credit 2 hours
RESP 3126 – Clinical Rotation III: Credit 1 hour
RESP 3131 – Neonatal/Pediatric Care: Credit 3 hours
RESP 3133 – Cardiopulmonary Critical Care II: Credit 3 hours
RESP 3135 – Clinical Rotation IV: Credit 1 hour
RESP 4110 – Leadership and Management: Credit 2 hours
RESP 4111 – Neonatal /Pediatric Critical Care: Credit 3 hours
RESP 4112 – Virtual Clinical Experience 3: Credit 3 hours
RESP 4113 – Advanced Critical Care: Credit 3 hour
RESP 4115 – Clinical Rotation V: Credit 2 hours
RESP 4116 – Clinical Rotation VI: Credit 1 hour
RESP 4120 – Respiratory Care Seminar: Credit 2 hours
RESP 4124 – Alternative Respiratory Care: Credit 3 hours
RESP 4125 – Clinical Rotation VII: Credit 7 hours

Modified Course Descriptions

RESP 3110 - Problem Based Learning
Credit: 3 hours
Prerequisites: Admission into the program
An introduction to the process of problem-based learning using small groups to discuss patient problems pertaining to cardiopulmonary disease. Development of communication, critical thinking, and peer teaching skills are emphasized. Orientation to and assessment of the effective use of electronic resources to research learning topics is included. Lecture/Lab hours: Three hours lecture per week.

RESP 3111 - Fundamentals of Respiratory Care I
Credit Hours: 3 Hours
Prerequisites: Admission into the program.
This course examines principles and applications of cardiopulmonary physiology, physical assessment, and basic respiratory care equipment and techniques related to the most common pulmonary diseases. Lecture/Lab Hours: Three hours lecture per week.

RESP 3112 - Virtual Clinical Experience 1
Credit Hours: 3 Hours
Prerequisites: Admission into the program.
Simulations will be presented so learners can relate to cases in Fundamentals using all therapies and devices involved in the patients’ care. Lecture/Lab hours: Two hours lecture and three hours lab per week.

RESP 3113 - Diagnostics
Credit: 1 Hour
Prerequisites: Admission into the program.
This course presents the various tools that will allow the learner to diagnose and treat patients with a variety of pathophysiological issues. Lecture/Lab hours: One hour lecture per week.

RESP 3114 - Cardiopulmonary Research  
Credit: 2 Hours  
Prerequisites: Admission into the program.  
An introduction to research principles and statistics. Emphasis on critiquing research pertaining to probability, sample sizes, population and other adhered to research principles. Lecture/Lab hours: Two hours lecture per week.

RESP 3115 - Clinical Rotation I  
Credit Hours: 1 Hour  
Prerequisites: Admission into the program.  
Students perform respiratory care procedures in acute care areas and alternate sites with emphasis placed on patient assessment and basic care techniques. 8 hrs/wk x 7.5wks (2nd half of semester). Clinical Hours: 60 hours/semester

RESP 3120 - Teaching and the Adult Preceptor  
Credit: 2 Hours  
Prerequisites: Admission into the program.  
This course explores topics related to education, learning styles, presentation development, clinical education, preceptorship, patient education and mentoring. Emphasis is placed on facilitating adult learning, assessment of adult learners in the clinical environment and utilization of varied teaching approaches at the bedside and the classroom. Lecture/Lab hours: Two hours lecture per week.

RESP 3121 - Fundamentals of Respiratory Care II  
Credit: 3 Hours  
Prerequisites: A "C" or better in RESP 3111 - Fundamentals of Respiratory Care I  
This course examines principles and applications of cardiopulmonary physiology, physical assessment, and basic respiratory care equipment and techniques related to the less common pulmonary diseases. Lecture/Lab Hours: Three hours lecture per week.

RESP 3122 - Virtual Clinical Experience 2  
Credit: 3 Hours  
RESP 3112 - A "C" or better in RESP 3112 - Virtual Clinical Experience 1  
A problem based learning experience covering the modes, initiation, management, weaning, and troubleshooting of mechanical ventilation, including NIPPV; basic and advanced airway management techniques on patient populations covered in Critical Care 1; Application of EKG, hemodynamic monitoring, and other diagnostic devices will be included. Lecture/Lab Hours: Two hours lecture and three hours lab per week.

RESP 3123 - Cardiopulmonary Critical Care I  
Credit: 3 Hours  
Prerequisites: A "C" or better in RESP 3111 - Fundamentals of Respiratory Care I
This course examines principles and applications of cardiopulmonary physiology, physical assessment, and advanced respiratory care equipment, and techniques related to the cardiopulmonary conditions treated in the intensive care unit. Emphasis will be placed on basic life support and critical care monitoring as well as airway management and non-invasive treatment measures. Lecture/Lab Hours: Three hours lecture per week.

RESP 3125 - Clinical Rotation II
Credit: 2 Hours
Prerequisite: A "C" or better in Clinical Rotation I.
Students perform respiratory care procedures in acute care areas, emergency, and alternate sites with emphasis placed on patient assessment and basic care techniques. Clinical Hours: 120 hours / semester.

RESP 3126 - Clinical Rotation III
Credit: 1 Hour
Prerequisites: A "C" or better in Clinical Rotation I.
Students perform respiratory care procedures in traditional and non-traditional respiratory specialty areas. Clinical Hours: 60 hours / semester

RESP 3131 - Neonatal Pediatric Care
Credit: 3 Hours
Prerequisites: Admission to the Respiratory Therapy program.
Comprehensive study of neonatal and pediatric respiratory care with the emphasis on fetal development, labor and delivery, patient assessment, resuscitation techniques, cardiopulmonary diseases, and techniques of conventional and non-conventional mechanical ventilation. Lecture/Lab Hours: Three hours lecture per week

RESP 3133 - Cardiopulmonary II
Credit: 3 Hours
Prerequisites: A "C" or better in RESP 3123 - Cardiopulmonary Critical Care I
This course covers advanced critical care techniques that will be discussed in the context of specific patient cases. Lecture/Lab Hours: Three hours lecture per week.

RESP 3135 - Clinical Rotation IV
Credit Hours: 1 Hour
Prerequisites: A "C" or better in Clinical Rotation III.
Students perform respiratory care procedures in the intensive care unit and other critical care areas. Clinical Hours: 60 hours / semester.

RESP 4100 - Independent Study
Credit: 1-4 Hours
Prerequisites: Permission of the Chair of Respiratory Therapy.
This course is individually designed under the direction of faculty to allow students opportunities to explore specific areas of interest in respiratory therapy.

RESP 4110 - Leadership and Management
Credit: 2 Hours
Prerequisite: Admission to the Respiratory Therapy program.
This course presents theory and clinical application various leadership and management practices. It involves a method of evaluation that is composed of structure, process, and outcome evaluations which focus on improvement efforts to identify root causes of problems, intervene to reduce or eliminate these causes, and take steps to correct the process. With its proactive, systems-evaluation approach, recognizing that the majority of problems result from a failure in the process of providing the service, as opposed to being attributable to the providers themselves. Lecture/Lab hours: Two hours lecture per week.

RESP 4111 - Neonatal Pediatric Critical Care
Credit: 3 Hours
Prerequisite: Admission to the Respiratory Therapy program.
This course is a study of advanced pediatrics and neonatology in the intensive care setting. Students increase knowledge in assessment and evaluation, identification and utilization of critical skills, procedures in the intensive care setting in a general review of perinatal /pediatric respiratory care. Lecture/Lab hours: Three hours lecture per week.

RESP 4112 - Virtual Clinical Experience 3
Credit: 3 Hours
Prerequisites: A 'C' or better in RESP 3122 - Virtual Clinical Experience 2.
A problem based approach to the initiation and application of NIPPV; basic and advanced airway management techniques on patient populations covered in Critical Care 2 and Neo/Ped Fundamentals. Hands on experience with equipment and techniques used in neonatal and pediatric respiratory care. Lecture/Lab hours: Two hours lecture and three hours lab per week.

RESP 4113 - Advanced Critical Care
Credit: 3 Hours
Prerequisites: A 'C' or better in RESP 3133 - Cardiopulmonary Critical Care
This is a holistic study of cardiopulmonary diseases and the necessary treatment, monitoring, and patient care necessary for supporting patients in the intensive care settings. Lecture/Lab hours: Three hours lecture per week.

RESP 4115 - Clinical Rotation V
Credit: 2 Hours
Prerequisites: A 'C' or better in RESP 3135 - Clinical Rotation IV.
Students perform respiratory care procedures in the neonatal, pediatric and cardiovascular ICUs as well as other critical care areas. Clinical Hours: 120 Hours / semester.

RESP 4116 - Clinical Rotation VI
Credit: 1 Hour
Prerequisites: A 'C' or better in RESP 3135 - Clinical Rotation IV.
Students perform respiratory care procedures in traditional and non-traditional respiratory specialty areas.
Clinical Hours: 60 Hours/semester.
RESP 4120 - Respiratory Care Seminar  
Credit: 2 Hours  
Prerequisites: Admission to the Respiratory Therapy program.  
Course includes discussion of recent trends in respiratory care. Students prepare a resume and practice interview/communication skills. Comprehensive written and clinical simulation examinations are administered. Lecture/Lab hours: Two hours lecture per week.

RESP 4124 – Alternative Respiratory Care  
Credit: 3 Hours  
This is a study of respiratory care outside the acute care facility. Topics include polysomnography, cardiopulmonary rehabilitation, home care, physician offices, sub-acute care facilities and cardiopulmonary testing. Lecture/Lab hours: Three hours lecture per week.

RESP 4125 - Clinical Rotation VII  
Credit Hours: 7  
Prerequisites: A "C" or better in RESP 4116 - Clinical Rotation VI.  
This internship experience gives the developing respiratory therapy student the opportunity to work a normal shift with licensed clinicians in various areas and facilities. Clinical Hours: 420 Hours / semester.