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## DIVISION OF NURSING AND ALLIED HEALTH

Anne Riggs, *Director*

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Today nurses and respiratory therapists are vital members of the healthcare system who contribute to the maintenance and promotion of our nation's health and welfare. Expanding responsibilities and challenges in the healthcare field have led to opportunities which have been unavailable to nurses in the past. The Division of Nursing and Allied Health is committed to preparing students with the attitudes, knowledge, and skills needed to meet the present and emerging healthcare demands through a holistic approach.

**Bachelor of Science in Nursing Degree for RNs (RN to BSN)**

**Associate of Science in Nursing Degree**

**Associate of Applied Science Degree: Respiratory Care**

### Program Accreditation and Approval

The Associate of Science in Nursing Program is *accredited* by the National League for Nursing Accrediting Commission. For accreditation information, contact:

National League for Nursing Accrediting Commission, Inc. (NLNAC)	404-975-5000
3343 Peachtree Road NE, Suite 850	FAX 404-975-5020
Atlanta, GA 30326	<a href="http://www.nlnac.org">www.nlnac.org</a>

The program has full Missouri State Board of Nursing approval.

### Memberships

The Division of Nursing has memberships in the National League for Nursing, the National Organization for Associate Degree Nursing, the Missouri Association of Colleges of Nursing, the Missouri League for Nursing, and the Missouri Organization for Associate Degree Nursing.

### Admission and Approval

An applicant will be accepted into either the ASN or BSN program only after that individual has been officially admitted to the university, has met all requirements for general or transfer admission, and has met all requirements specific to the nursing program (see *Entry Requirements*). Admission to the university does not guarantee acceptance into the nursing program. The decision for acceptance by the Nursing Admission, Promotion, and Retention Committee is based on evidence of the student's potential for successful completion of the program. Notification of the decision will be forwarded in writing to the applicant.

Hannibal-LaGrange University does not guarantee that each person admitted to its nursing or allied health programs will pass all elements of the program or that those who graduate will be able to pass licensing examinations and/or secure employment as a healthcare provider. Attaining these goals depends on the student's diligence in these rigorous courses of study and on economic forces influencing the healthcare industry. These factors are not within the control of the Division of Nursing and Allied Health.

### Advanced Standing and Transfer Credit

Credit for advanced standing may be earned by successfully passing CLEP, NLN, ACT-PEP, and departmental examinations. These credits will be interpreted as credits earned through Hannibal-LaGrange University because the content of these examinations has been determined to be similar in content to courses offered through HLGU. Advanced standing by examination is limited to a maximum of 30 credit hours. All credit for transfer must ultimately be approved by the Director of the Division of Nursing. For information on advanced standing or transfer credit, write or call the Director (573-629-3140).

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## ASN PROGRAM

### ASSOCIATE OF SCIENCE IN NURSING

The Associate of Science in Nursing (ASN) requires 70 semester hours of which 39 semester hours are in nursing. After successfully completing the ASN Program, graduates are immediately eligible to apply to take the National Council Licensure Examination for Registered Nurses (NCLEX-RN™), which is required in order to practice as a registered nurse. To graduate from the ASN Program, students must satisfy all entry and curriculum requirements, an exit exam, and the Graduation Requirements listed in the **Academic Policies** section of the catalog.

The nursing program accepts students once a year and begins the class cycle in the fall. Qualified applicants are ranked, based on the cumulative score of the ACT or equivalency, the CGPA, and the Admission Assessment Exam. Once the class is filled, qualified applicants will be placed on a waiting list and will be admitted to the program when openings occur, up to the first day of classes.

It is important that applicants be informed before entry into the program that a person who has a criminal history may not be eligible to apply for licensure to practice nursing. Consequently, successful completion of a nursing program *does not guarantee* eligibility to take the licensure examination.

Other grounds for refusal by the Missouri State Board of Nursing to issue a license or revoke a license are explained in the Missouri Nursing Practice Act, Missouri Chapter 335 — Nurse: Section 335.066. The fifteen items listed relate to moral turpitude, intemperate use of alcohol or drugs, and/or, as stated above, a criminal history. Questions regarding the relevance of this Section to a particular situation should be directed to the Director of the Division of Nursing *prior to or immediately upon enrollment*.

#### Entry Requirements

- 1) Minimum of 17 years of age
- 2) Meet General Admission Requirements for admittance to Hannibal-LaGrange University (See the **Admissions** section in this catalog.)
- 3) Complete an ASN application
- 4) Provide evidence of acceptable scores on ACT or SAT\*
- 5) Have a minimum cumulative grade point average (CGPA) of at least 2.5 on a 4.0 scale.
- 6) Complete the following prerequisites with a grade of C or higher:<sup>†</sup>
  - a) One year of high school biology or one semester of college biology (lecture and lab; total of 4 hours)
  - b) One year of high school chemistry or one semester of college chemistry (lecture and lab; total of 4 hours)
  - c) One year of high school algebra or one semester of college-level algebra\*\*
  - d) Anatomy and Physiology (lecture and lab; total of 8 hours)
  - e) Microbiology (lecture and lab; total of 4 hours)\*\*\*
- 7) Achieve acceptable score on the Admission Assessment Exam (A2)\*
- 8) Provide proof that the four following additional requirements have been met. To expedite this process, forms for a, c, and d are available in the HLGU Nursing Division Office that can be filled out and signed by the appropriate authorized personnel. Applicants who are initially accepted into the program will be considered on conditional status until all four forms have been received by the Nursing Division Office.
  - a) A completed immunization record.
  - b) Cardiopulmonary resuscitation (CPR) certification in infant, child, and adult care through the American Heart Association.
  - c) Agreement with the policy on Functional Abilities.
  - d) A criminal background check and/or a drug screening required by affiliation agreements between the HLGU Nursing Division and clinical agencies.

**NOTE:** Applicants who have been a student in another nursing program or in an allied-health program must request a letter from the director or dean of that program that states the reason for their withdrawal from the program and their status in regard to reentry. *Acceptance into the HLGU nursing program cannot be granted without a favorable letter of recommendation from the other program.*

<sup>†</sup>The college-level courses will be required if the high school courses were not taken within the past five years.

\*Contact the Division of Nursing Advisor for specific details.

\*\*All incoming students must take the Math Placement Exam. Results may indicate the need for additional math courses prior to admission.

\*\*\*May also be taken during the summer term between the first and second years of the ASN program.

### Admission of Transfer Students

- 1) Meet admission requirements for Transfer Students for admittance to Hannibal-LaGrange University. (Refer to **Admissions** section of catalog.)
- 2) Meet requirements for transfer of credit. Courses taken previously must be equivalent to HLGU courses or validation of knowledge by standardized examination(s) will be required. Nursing credit hours will be evaluated for advanced standing on an individual basis.
- 3) Complete Entry Requirements to ASN program (stated above).

#### Graduation Requirements for Transfer Students:

- Be enrolled for a minimum of one academic year in the nursing program at HLGU; the required curriculum must be met to be eligible to apply for the National Council Licensure Examination for Registered Nurses (NCLEX-RN™).
- Meet Graduation Requirements listed in the **Academic Policies** section of the catalog.

### Admission of Licensed Practical Nurses

LPNs may obtain advanced standing by examination if they have met the above Entry Requirements to the ASN program and if they have met the following requirements:

- 1) Graduate of a state-approved LPN program
- 2) Submit an official transcript from their LPN program.
- 3) Provide evidence of an active, valid, unencumbered license or permit to practice as an LPN.

### Readmission

To request readmission, students should address a letter to the Director of the Nursing Division requesting readmission, stating the reasons for the withdrawal and for the readmission request. They must present evidence that all faculty recommendations have been satisfactorily met and that they have maintained a minimum CGPA of 2.0. Students seeking readmission will be required to audit the nursing course previously passed. Students may repeat a nursing course only once; no more than one nursing course may be repeated. Readmission will be contingent upon the approval of the Nursing Admission, Promotion, and Retention Committee.

### Expenses

Cost sheets are available from the Division of Nursing.

### Financial Aid

A variety of financial assistance is available. It is important to remember, however, that the purpose of financial aid is to *assist*; it should not be considered as a source that will pay for all educational expenses.

### Curriculum Requirements

**NOTE:** *There is always the possibility that there will be revisions in the curriculum and standards because of the continuing curriculum evaluation. Please check with the Division of Nursing office for the current requirements.*

**Associate of Science in Nursing**  
70 hours

**Support Course Requirements: 31 hours**

BIB 113	Old Testament Survey	or
BIB 123	New Testament Survey	
BIO 254	Essentials of Human Anatomy & Physiology I	
BIO 264	Essentials of Human Anatomy & Physiology II	
BIO 344	Microbiology	
ENG 011	Freshman Seminar	
ENG 104	English Composition I	
ENG 106	English Composition II	
PSY 113	General Psychology	
PSY 333	Developmental Psychology	
SOC 113	Intro to Sociology	

**Major Course Requirements: 39 hours**

NUR 114	Nursing Fundamentals
NUR 214	Adult/Child I & the Childbearing Family
NUR 234	Adult/Child II & Mental Health Nursing
NUR 236	Adult/Child III & Clinical Leadership
NUR 240	Pharmacology I
NUR 241	Pharmacology II
NUR 272	Nursing Seminar

**Academic Standards:** A grade of C or better must be earned in all Support Course Requirements and Major Course Requirements (nursing courses) in order to progress in the program.

**NOTES:**

- ❶ A prerequisite for admission to the first semester of the ASN curriculum is the completion of courses in biology, chemistry, algebra, anatomy and physiology, and microbiology. (See *Entry Requirements*, No. 6.)
- ❷ All incoming freshmen and transfer students who enter with less than 24 hours of transfer university credit are required to take ENG 011 (Freshman Seminar), a one-hour course.
- ❸ As a condition for graduation and for taking the NCLEX-RN™, students must successfully complete a comprehensive exit exam. Contact the HLGU Nursing Division for details. Students bear responsibility for all the costs for the exam, remediation, and retesting.

## *Course Offerings*

**NUR 114 Nursing Fundamentals** **6 hours**  
Introduces basic concepts and skills fundamental to nursing. Focuses on caring and holistic nursing interventions, using the nursing process to maximize self-care abilities throughout the lifespan. Lab, testing, and professional fees. Involves approximately 6 lecture hours and 6 patient contact hours per week. Prerequisite: Admission to ASN Program. Offered fall semester.

**NUR 214 Adult/Child I and the Childbearing Family** **8 hours**  
Emphasizes theory and clinical practice in the adult medical, surgical, pediatric, and maternity settings with a focus on health promotion, protection, maintenance, and restoration. Involves approximately 6 lecture hours and 12 patient contact hours per week. Lab, testing, and professional fees. Prerequisites: BIO 254, NUR 114. Offered spring semester.

**NUR 221-3 Clinical Practicum** **1-3 hours**  
Designed for those students who wish to refine psychomotor nursing skills and become more adept in the clinical setting, as well as for those students who were unable to fulfill clinical objectives within the allotted semester because of minor deficits in clinical ability or attendance. Prerequisite: NUR 214. Offered May term on demand.

**NUR 234 Adult/Child II & Mental Health Nursing** **10 hours**  
Focuses on the care of patients of all ages with commonly seen pathophysiological and/or psychosocial and behavioral alterations that interfere with the individual's ability to provide self-care. Involves approximately 5 lecture hours and 15 patient contact hours per week. Lab, testing, and professional fees. Prerequisites: BIO 264, 344; NUR 214. Offered fall semester.

**NUR 236 Adult/Child III & Clinical Leadership** **10 hours**  
Focuses on the care of patients with increasingly complex multi-system health problems that interfere with the ability to provide self-care throughout the lifespan while promoting, maintaining, and restoring health or providing end-of-life care. Involves approximately 5 lecture hours and 15 patient contact hours per week. Lab, testing, and professional fees. Prerequisite: NUR 234. Offered spring semester.

**NUR 240 Pharmacology I** **2 hours**  
Focuses on pharmacological principles, including therapeutic use, drug dosage, mode of action, adverse reactions, contraindications, and nursing implications. The first course in a two-part series. Involves 2 lecture hours per week. Prerequisites: BIO 264, 344; NUR 214. Offered fall semester.

**NUR 241 Pharmacology II** **1 hour**  
Focuses on pharmacological principles, including therapeutic use, drug dosage, mode of action, adverse

reactions, contraindications, and nursing implications. The second course in a two-part series. Involves 1 lecture hour per week. Prerequisites: NUR 234, 240. Offered spring semester.

**NUR 272 Nursing Seminar** **2 hours**

Provides students with knowledge and skills that will help them move smoothly through the transition from student to a professional nurse. Involves 2 lecture hours and 3 hours of computer lab per week. Prerequisite: NUR 234. Offered spring semester.

**NUR 291-3 Special Topics** **1-3 hours**

Select topics to meet special needs.

## RN to BSN PROGRAM

### BACHELOR OF SCIENCE IN NURSING FOR REGISTERED NURSES

The Bachelor of Science in Nursing Degree for Registered Nurses Program (RN to BSN) admitted its first students in September 1986. This program is designed specifically for working registered nurses. It offers to associate-degree or diploma nurses an opportunity to proceed with liberal arts education and upper-level nursing curriculum leading to a BSN. To graduate from the RN to BSN Program, students must satisfy all entry and curriculum requirements as well as the Graduation Requirements listed in the **Academic Policies** section of the catalog.

#### Entry Requirements

- 1) Meet General Admission Requirements for admittance to Hannibal-LaGrange University. (Refer to **Admissions** section of the catalog.)
- 2) Provide official transcripts showing completion of an ASN degree or a diploma program with a CGPA of 2.5 on a 4.0 scale.
- 3) Send official transcripts of all previously earned university and/or nursing credit to the HLGU Admissions Office.
- 4) Contact Division of Nursing.
- 5) Complete the RN to BSN application, available either through the Division of Nursing Office or on the HLGU Website: [www.hlg.edu](http://www.hlg.edu).
- 6) Provide proof that the three following additional requirements have been met. To expedite this process, forms for a and c are available in the HLGU Nursing Division Office that can be filled out and signed by the appropriate authorized personnel. Applicants who are initially accepted into the program will be considered on conditional status until all three forms have been received by and filed in the Nursing Division Office.
  - a) A completed immunization record and a health examination by a qualified physician or an advanced practical nurse.
  - b) Cardiopulmonary resuscitation (CPR) certification in infant, child, and adult care. Give a copy of the CPR card to the Nursing Division Office.
  - c) A criminal background check and/or of a drug screening required by affiliation agreements between the HLGU Nursing Division and clinical agencies.
- 7) Provide evidence of possessing (1) an active, valid, unencumbered license to practice as an RN and (2) a professional liability insurance policy.

#### Curriculum Requirements

**NOTE:** Because of the continuing curriculum evaluation, revisions in the curriculum and standards will always be possible. Please check with the Division of Nursing Office for the current requirements.

#### Associate of Science in Nursing 70 hours

**NOTE:** The BSN student must complete all the Support Course and Major Course requirements listed under the ASN curriculum. Many of these requirements may have been met during the RN's previous educational endeavors. To determine the amount of credit granted for previous learning and/or means of validating the learning, make an appointment with the nursing faculty advisor.

## Bachelor of Science in Nursing

### 59 hours

#### Support Course Requirements: 26 hours      Major Course Requirements: 33 hours

BIO 440	Pathophysiology	NUR 301	Healthcare Today
CAS 101	Intro to Speech Communication	NUR 303	Health Assessment
CHM 104	Foundations of Chemistry	NUR 323	Nutrition in Health
HST 213	U.S. History I <u>or</u>	NUR 353	Nursing Theory
HST 223	U.S. History II <u>or</u>	NUR 363	Geriatric Nursing
PLS 113	Intro to Government	NUR 373	Bioethics
MTH 143	College Algebra	NUR 424	Client Education
MTH 127	Elementary Statistics	NUR 433	Nursing Research
PSY 323	Abnormal Psychology	NUR 434	Leadership & Management
		NUR 446	Community Health Nursing

**NOTE:** Complete the 26 credit hours of support courses by taking 3 credit hours of electives in humanities or fine arts.

#### Total Requirements for RN to BSN: 129 semester hours

**Academic Standards:** A grade of C or better must be earned in all Support Course Requirements and Major Course Requirements (nursing courses) in order to continue in the program.

#### NOTES:

- ❶ Seventy (70) hours of junior college credit may be transferred toward an RN to BSN degree.
- ❷ To assure current nursing knowledge, all RN to BSN course requirements must be completed within five years of acceptance into the Bachelor of Science in Nursing for Registered Nurses Program.

## *Course Offerings*

**NOTE:** The following courses (and BIO 440 Pathophysiology) are taught only in an online format. This is for the convenience of RNs who are already working hospital and other similar type schedules. The support courses may not be—and the ASN course requirements are not—taught online.

**NUR 301 Healthcare Today** **3 hours**  
Promotes a positive educational adjustment for RNs returning to school while developing a concept of the professional in today's healthcare system. Prerequisite: Acceptance as an RN to BSN student or consent of instructor. Offered fall semester, first 8 weeks.

**NUR 303 Health Assessment** **3 hours**  
Introduces basic concepts and skills needed to assess the biopsychosocial and spiritual states of the client. Includes guided laboratory practice. Prerequisite: Acceptance as an RN to BSN student or consent of instructor. Offered spring semester, first 8 weeks.

**NUR 323 Nutrition in Health** **3 hours**  
Focuses on principles of nutrition, including assessment, planning, implementing, and evaluating nutritional therapy for both well and ill clients throughout the lifespan. Prerequisite: Chemistry or consent of instructor. Offered spring semester, first 8 weeks.

**NUR 353 Nursing Theory** **3 hours**  
Focuses on the development, analysis, and evaluation of nursing theory. Discussions on the relationships between research, practice, education, and theory. Suggested prerequisite: NUR 301. Offered fall semester, first 8 weeks.

**NUR 363 Geriatric Nursing** **3 hours**  
Focuses on unique characteristics of older persons and their acute care problems, risks, and service needs. Also examines the complexities of long-term care and nursing roles in a variety of settings. Prerequisite: Acceptance as an RN to BSN student or consent of instructor or enrollment in NUR 234. Offered spring semester, second 8 weeks.

**NUR 373 Bioethics** **3 hours**  
Focuses on principles and theories of ethics in healthcare. Offered summer term.

**NUR 424 Client Education** **4 hours**  
Provides opportunities for students to assess, plan, implement, and evaluate client education in order to promote the health of both individuals and groups. Includes forty-five clinical hours. Prerequisite(s): Acceptance as an RN to BSN student or consent of instructor; NUR 301, 323 suggested. Offered spring semester, second 8 weeks.

**NUR 433 Nursing Research****3 hours**

Provides opportunities for students to develop an understanding of the research process, to acquire beginning skills in identification of researchable problems, and to become intelligent consumers of research findings. Prerequisite(s): MTH 127; NUR 353 suggested. Offered fall semester, second 8 weeks.

**NUR 434 Leadership and Management****3 hours**

Focuses on leadership and management principles as applied to individuals and groups within hospital and community settings. Includes twenty-four clinical hours with preceptors. Prerequisite(s): Acceptance as an RN to BSN student or consent of instructor; NUR 353 suggested. Offered fall semester, second 8 weeks.

**NUR 446 Community Health Nursing****5 hours**

Focuses on individuals, families, aggregates, and communities as recipients of care. Students will assess, plan, implement, and evaluate nursing care given in a variety of settings. Includes forty-eight clinical hours. Prerequisite(s): Acceptance as an RN to BSN student or consent of instructor; NUR 301, 323, 424, 434 suggested. Offered summer term.

**NUR 491-3 Advanced Topics****1-3 hours**

Courses providing opportunities for students to explore select healthcare topics. Prerequisite(s): Acceptance as an RN to BSN student or consent of instructor. (NUR 433 may also be required for research-oriented topics.) Offered as needed.

## ALLIED HEALTH

### RESPIRATORY CARE PROGRAM

The Respiratory Care Program is an accredited program approved by the Commission on Accreditation for Respiratory Care (CoARC; see [www.coarc.com](http://www.coarc.com)) This program is a joint effort between Hannibal-LaGrange University and the Hannibal Career and Technical Center, to offer the Associate of Applied Science degree in Respiratory Care. Students will be dually enrolled and receive all privileges of both institutions. For information and requirements, contact Alicia Mickels, director of the Respiratory Care Program, at the Hannibal Career and Technical Center (573/221-4430). Manoocher Nassery, MD, and N. Eugene Thomas, DO, serve as the medical directors.

Upon completion of the program, the graduate will be eligible to receive a certificate of completion and to take the entry-level national exam for the Certified Respiratory Therapist. After successful completion of this step and the required experience, the graduate becomes eligible to take the advanced practitioner exam to become a Registered Respiratory Therapist. **NOTE:** The AAS degree does not guarantee a license apart from passing the national exam.

### Requirements for AAS Degree with Emphasis in Respiratory Care

- 1) Complete the following prerequisites:
  - a) \*One year of high school chemistry or CHM 104 (Foundations of Chemistry) taken at HLGU or its equivalency taken at another institution.
  - b) \*One year of high school biology or BIO 105 (General Biology) taken at HLGU or its equivalency taken at another institution.
  - c) \*One year of high school algebra or MTH 100 (Fundamentals of Mathematics) taken at HLGU or its equivalency taken at another institution.

**\*NOTE:** Retaking of these courses will be required if these were high school courses not taken within the past five years.
- 2) Provide evidence of a criminal background check and/or of a drug screening required by the affiliation agreements between HLGU and the clinical agencies. Forms are available from the director of the Respiratory Care Program.
- 3) Complete each of the required General Education courses listed below — at least eight hours must be taken on the HLGU campus — and the Graduation Requirements (see **Academic Policies** for requirements).

### General Education Requirements 25 hours

Hours		Hours	
1	Success in Education	4	Anatomy & Physiology I
3	Old or New Testament Survey	4	Anatomy & Physiology II
3	English Composition I	4	Microbiology
3	Speech	3	General Psychology

- 4) Pass each of the Major Course Requirements with a grade of C or better.

### Major Course Requirements 46 hours

Hours		Hours	
2	Intro to Respiratory Care	2	Respiratory Care Seminar
2	Basic Assessment	3	Disease Management II
5	Therapeutic Modalities	3	Respiratory Care Management
3	Cardiopulmonary Anatomy & Physiology	1	Clinical Practicum I
3	Cardiopulmonary Pharmacology	2	Clinical Practicum II
3	Mechanical Ventilation	1	Clinical Practicum III
3	Disease Management I	2	Clinical Practicum IV
2	Neonatal/Pediatrics Respiratory Care	6	Respiratory Care Internship
3	Advanced Assessment		

**Total Requirements for AAS Degree: 71 semester hours**

## *Course Offerings*

#### **RSC 102 Introduction to Respiratory Care** **2 hours**

An introduction to this allied health career and an overview of the competencies mastered in order to become a Registered Respiratory Therapist (RRT). Investigates employment opportunities and specialized options available to the RRT. Outlines the role as an integral healthcare team member. Also addresses potential concerns about working in healthcare. The instructor will arrange for a two-hour job shadowing clinical rotation in one of the program's clinical affiliates. This course also includes Cardiopulmonary Resuscitation Certification. Lab Fee. Prerequisite: None. Offered fall semester.

#### **RSC 112 Basic Assessment** **2 hours**

The student will master basic patient assessment skills. These are used to determine the patient's cardiopulmonary status and to assist the physician in making diagnoses, determining the severity of the patient's status, establishing a care plan, and evaluating the effectiveness of administered therapies. Lab fee. Prerequisite: None. Offered fall semester.

#### **RSC 155 Therapeutic Modalities** **5 hours**

Focuses on the basic principles involved in delivery of routine therapeutic modalities by the respiratory therapist; this includes application and selection of modalities for different patient situations. Monitoring a patient's response and developing a patient care plan based on the patient's signs and symptoms is an integral part of this course. Introduces some of the equipment used to deliver therapy. Prerequisites: RSC 102 and 112 or their equivalents. Lab fee. Offered spring semester.

#### **RSC 163 Cardiopulmonary Anatomy and Physiology** **3 hours**

Introduces the concepts of the structure and function of the cardiopulmonary system of the adult, fetus, and newborn, using three unifying themes: the relationship between physiology and anatomy, the interrelations among the organ systems, and the relationship of each organ system to homeostasis. Also includes pertinent pathophysiology associated with the cardiopulmonary system. Prerequisites: BIO 105 and CHM 104 or their equivalent; BIO 254 and concurrent enrollment in BIO 264. Offered spring semester.

#### **RSC 173 Cardiopulmonary Pharmacology** **3 hours**

Studies pharmacological principles as a form of applied physiology. Includes the physiologic basis of drug action, as well as drug measurement and dosage calculations, classifications, and actions and interactions of drugs affecting the central nervous system, peripheral nervous system, and respiratory and cardiovascular systems. Prerequisites: CHM 104 or its equivalent; BIO 254 and concurrent enrollment in BIO 264. Offered spring semester.

#### **RSC 181 Clinical Practicum I** **1 hour**

Provides the student with the opportunity to practice the clinical skills taught in the first two semesters of the curriculum in a hospital setting one day each week under the supervision of a clinical instructor. Emphasis



on objectives from the Clinical Handbook dealing with therapeutic modalities. Each student will complete a rotation to assigned clinical sites. Requires travel. Lab fee. Prerequisites: RSC 102 and 112; concurrent enrollment in RSC 155 and 173. Offered spring semester.

**RSC 182 Clinical Practicum II** **2 hours**

Continuation of RSC 181. Provides the student with the opportunity to practice the clinical skills taught in the first two semesters of the curriculum in a hospital setting under the supervision of a clinical instructor. Emphasis on objectives from the Clinical Handbook dealing with therapeutic modalities. Each student will complete a rotation to assigned clinical sites. Lab fee. Prerequisite: RSC 181. Offered summer term.

**RSC 203 Mechanical Ventilation** **3 hours**

An advanced course dealing with concepts of ventilatory failure and with the need for intervention with high tech state-of-the-art mechanical ventilators. Covers the entire spectrum of adult and neonatal mechanical ventilation, including indications, physiologic effects, modes available, capabilities of specific mechanical ventilators, and manipulation of ventilator parameters in response to diagnostic data, wave forms, troubleshooting, weaning, and post-weaning care. Lab fee. Prerequisite: RSC 182. Offered fall semester.

**RSC 213 Disease Management I** **3 hours**

Provides the student with information on obstructive, infectious, and vascular pulmonary disease pathological processes frequently encountered by the respiratory therapist. Each disease unit will have the following format: anatomic changes, cause of the disease process, overview of the cardiopulmonary clinical signs and symptoms, disease management principles, and a care plan. Prerequisite: RSC 182. Offered fall semester.

**RSC 223 Advanced Assessment** **3 hours**

Building on the foundations mastered in RSC 112, this course addresses the advanced knowledge and skills relating to the overall status of the patient. Invasive, high-technology, and multisystem approaches will prepare the completer to understand the monitoring principles incorporated in critical care units as well as in other patient-care settings, and will complete ACLS certification. Requires extra time. Lab fee. Prerequisites: BIO 344, RSC 112 and 163, or consent of instructor. Offered fall semester.

**RSC 242 Neonatal/Pediatrics Respiratory Care** **2 hours**

Introduces the student to the concepts of evaluation and management of perinatal-pediatric medical, respiratory, and surgical conditions. Emphasis on newborn and pediatric respiratory care, including monitoring techniques, mechanical ventilation, blood gas interpretation, neonatal transport, pathology and pediatric care, and resuscitation. Prerequisites: RSC 203 and 223. Offered spring semester.

**RSC 262 Respiratory Care Seminar** **2 hours**

During this course local physicians will participate in discussions of a series of case studies that will highlight the multidisciplinary approach to case management. The physicians will lead the student through a patient admission scenario, initial physical examination results and history, choice of appropriate diagnostic tests, diagnosis, development of a care plan, reevaluation, discharge planning, and home care. Lab Fee. Prerequisites: RSC 223 and concurrent enrollment in RSC 263. Offered spring semester.

**RSC 263 Disease Management II** **3 hours**

Continuation of RSC 213. Investigates restrictive, occupational, and acute lung injuries as well as other pathological processes encountered by the respiratory therapist. The study of each disease process includes anatomic changes, causes, clinical signs and symptoms, disease management, and a care plan. Prerequisites: RSC 213 and 223. Offered spring semester.

**RSC 273 Respiratory Care Management** **3 hours**

Focuses on the respiratory care practitioner's role in healthcare management. Emphasis on the development of the skills required to bring and hold together the human resources, physical facilities, professional expertise, skills, technology, information systems, and other support systems necessary to efficiently deliver quality healthcare. Prerequisite(s): RSC 223 and/or consent of instructor. Offered spring semester.

**RSC 281 Clinical Practicum III** **1 hour**

Provides the student with the opportunity to practice the clinical skills taught in the previous semesters of the curriculum in a hospital setting under the supervision of a clinical instructor. Emphasis on objectives from the Clinical Handbook dealing with ventilator management and the surgical patient. Each student will complete a rotation to assigned clinical sites. Lab fee. Prerequisites: RSC 182; concurrent enrollment in RSC 223 and/or consent of instructor. Offered fall semester.

**RSC 282 Clinical Practicum IV** **2 hours**

Provides the student with the opportunity to practice the clinical skills taught in the first four semesters of the curriculum in a hospital setting and in special clinical settings (like home or doctor's clinic, etc.) under the supervision of a clinical instructor. Emphasis on objectives from the Clinical Handbook dealing with more ventilator management (both newborns and adults), the surgical patient, pulmonary function testing, and other procedures. Each student will complete a rotation to assigned clinical sites. Lab fee. Prerequisites: RSC 182, 223, and 263. Offered spring semester.

**RSC 291 National Exam Preparation**

**1 hour**

Preparation for the national examination. Testing fee. Offered summer term.

**RSC 296 Respiratory Care Internship**

**6 hours**

Provides the student with the opportunity to demonstrate his/her ability to perform in a clinical setting as a "respiratory therapist." Emphasis on physicians' rounds, intensive care procedures, mechanical ventilation, and implementation of care plans. All objectives in the Respiratory Care Clinical Handbook must be completed during this internship. A major project will be approved by the instructor and submitted during this course. Lab fee. Prerequisites: RSC 282 and all other RSC coursework; consent of instructor. Offered summer term.