RADI 218  Radiation Protection II  
Prerequisite: RADI 217  Radiation Protection I  
Credit Hours: 2  
The study of the biological effects of radiation and patient protection. Also included are radiation monitoring and occupational exposure and protection.

RADI 219 (5105)  Image Analysis  
Prerequisite: Entrance into Sophomore year of Radiography Program  
Credit Hours: 2  
Will provide a basis for analyzing radiographic images. Including the importance of imaging standards, discussion of a problem-solving technique for image evaluation and factors that can affect image quality.

RADI 221 (5266)  Radiography Comprehensive Review  
Prerequisite: Completion of all Radiography courses to date  
Credit Hours: 2  
Group discussion on current topics in radiologic technology. Review of the principles of radiography and their application to the ARRT examination. Mock registry exams on the computer.

RADI 223 (5106)  Critical Thinking and Analysis in Radiography  
Prerequisite: Entrance into sophomore year of Radiography Program  
Credit Hours: 3  
Comprehensive review course with emphasis on critical thinking, problem analysis, and solution judgment skills. Includes group sessions for scenario development.

Religion

RELI 101 (1510)  Comparative World Religions  
Placement Test Level: General Education Course Placement*  
Prerequisite: None  
Credit Hours: 3  
This course examines different religions and their history, practices, and beliefs.

RELI 103 (1512)  Old Testament Survey (IO)  
Placement Test Level: General Education Course Placement*  
Prerequisite: None  
Credit Hours: 3  
A general survey of the people and customs in Old Testament times, places, and periods of history, along with the study of the literary structure of the Old Testament.

RELI 105 (1564)  New Testament Survey  
Placement Test Level: General Education Course Placement*  
Prerequisite: None  
Credit Hours: 3  
An introduction to the New Testament and other early Christian literature in their historical and cultural context.

Respiratory Therapy

RESP 101  Fundamentals of Respiratory Care I  
Prerequisite: Admission into the Respiratory Therapy Program  
Credit Hours: 3  
This course provides instruction in basic gas physics and basic Respiratory Therapy. Included is a section on microbiology, patient assessment and professionalism.

*Refer to the Placement Testing Procedure 3.22, page 24  ** Refer to Course Transfer, page 18
RESP 102  Fundamentals of Respiratory Care II  
Prerequisite: RESP 101  Fundamentals of Respiratory Care I  
Credit Hours: 3  
This course will continue from FRC I in presenting equipment and therapeutics. A diagnostics component will be added. The student will learn about specialized oxygen devices, arterial blood puncture analysis and interpretation, plus pulmonary function testing. In addition emergency care, artificial airways, and the electrical conduction system of the heart will also be taught. There is a separate laboratory class that will include hands on competencies taught in this course.

RESP 105  Respiratory Care Pharmacology  
Prerequisite: Admission into the Respiratory Therapy program  
Credit Hours: 3  
This course addresses general principles of pharmacology with emphasis on drugs affecting the cardiopulmonary system. An overview of antibiotics, narcotics, and sedatives is presented.

RESP 107  Cardiopulmonary Anatomy and Physiology I  
Prerequisite: Admissions into the Respiratory Therapy Program  
Credit Hours: 2  
An in-depth study of cardiopulmonary anatomy and physiology will be presented. Units on renal physiology and acid-base balance are included.

RESP 109  Clinical Practice I  
Prerequisite: Fundamentals of Respiratory Care I, Cardiopulmonary Anatomy and Physiology, and RC Pharmacology  
Credit Hours: 2  
This clinical course allows the Respiratory Therapy student to apply skills learned in the classroom to the clinical setting. Emphasis is placed on basic therapeutic modalities, charting, and assessment skills.

RESP 110  Clinical Practice II  
Prerequisite: Successful completion Clinical Practice I, Fundamentals of Respiratory Care I, II, plus Labs, RC Pharmacology, Cardiopulmonary A&P, Intro to Mechanical Ventilation, and Respiratory Diseases  
Credit Hours: 5  
This clinical course allows the Respiratory Therapy student to apply skills learned in the classroom to the clinical setting. Emphasis is placed on cardiac and pulmonary monitoring and basic Respiratory Therapy therapeutics.

RESP 113  Pediatric Respiratory Care  
Prerequisite: Fundamentals of Respiratory Care I, Cardiopulmonary Anatomy and Physiology, Respiratory Care Pharmacology  
Credit Hours: 3  
This course will cover neonatal and pediatric Respiratory Therapy. The course includes units on fetal development, neonatal and pediatric respiratory diseases, pharmacological agents, and Respiratory Therapy modalities applied to the neonatal and pediatric patient.

RESP 115  Introduction to Mechanical Ventilation  
Prerequisite: RESP 101  Fundamentals of Respiratory Care I, RESP 107  Cardiopulmonary Anatomy and Physiology I, RESP 105  Respiratory Care Pharmacology  
Credit Hours: 3  
This introductory course covers basic concepts important to understanding mechanical ventilation. The student will concentrate on modes of ventilation, ventilator set-up and trouble-shooting, and charting of mechanical ventilation.

RESP 148  Respiratory Comprehensive Review  
Credit Hours: 2  
Students will practice on information gathering and decision making skills in a controlled classroom environment. Students will work on test taking skills specific to passing the NBRC RRT written and clinical simulation exams.

*Refer to the Placement Testing Procedure 3.22, page 24 ** Refer to Course Transfer, page 18
RESP 153 CRT-Review
Prerequisite: Fundamentals of Respiratory Care I and II, Introduction to Mechanical Ventilation, Cardiopulmonary A&P, RC Pharmacology, Clinical Practice I and Clinical Practice II
Credit Hours: 1
Students will practice on information gathering and decision making skills in a controlled classroom environment. Students will work on test taking skills specific to passing the NBRC entry level exam.

RESP 158 Fundamentals of Respiratory Care I Lab
Prerequisite: Admission into the Respiratory Therapy Program
Credit Hours: 1
This course is designed to familiarize the student with Respiratory Therapy procedures and practices in the hospital setting. Patient care experience will include oxygen therapy, medical gas cylinder use, humidity and aerosol therapy, incentive spirometry, chest physiotherapy, bronchial hygiene, isolation techniques, cardiopulmonary resuscitation, and patient assessment.

RESP 160 Fundamentals of Respiratory Care II Lab
Prerequisite: RESP 101 Fundamentals of Respiratory Care I, RESP 158 Fundamentals of Respiratory Care I Lab
Credit Hours: 2
This course will continue from FRC I in presenting equipment and therapeutics. This course is designed to familiarize the student with Respiratory Therapy procedures and practices taught in FRC II. The student will learn about specialized oxygen devices, cardiopulmonary resuscitation, arterial blood gas puncture analysis and interpretation, bedside pulmonary function testing, artificial airway placement, and electrocardiography.

RESP 161 Fundamentals of Respiratory Care III Lab
Prerequisite: Fundamentals of Respiratory Care I and II, Introduction to Mechanical Ventilation, Cardiopulmonary Anatomy and Physiology, Pharmacology, Clinical Practice I and II, Respiratory Diseases
Credit Hours: 2
This course will continue from FRC III in presenting equipment and therapeutics with mechanical ventilation. This course is designed to familiarize the student with Respiratory Therapy procedures and practices taught in FRC III.

RESP 203 Fundamentals of Respiratory Care III
Prerequisite: Fundamentals of Respiratory Care I and II, Cardiopulmonary Anatomy and Physiology, Pharmacology, Clinical Practice I and II, Respiratory Diseases
Credit Hours: 3
This course will include an in-depth study of mechanical ventilation along with weaning procedures and the care of the critically ill patient

RESP 205 Respiratory Diseases
Prerequisite: Fundamentals of RC I and Lab, Cardiopulmonary A&P, and RC Pharmacology
Credit Hours: 3
This course provides the students with an in-depth study of diseases that affect the cardiopulmonary system. Patient evaluation, assessment, diagnosis and treatment of diseases will be addressed.

RESP 207 Critical Care Medicine
Prerequisite: Fundamentals of Respiratory Care I, II, and III, Cardiopulmonary Anatomy and Physiology, Respiratory Care Pharmacology, Clinical Practice I, and II, Pediatric Respiratory Care, Respiratory Diseases, and Topics and Procedures
Credit Hours: 3
This course will cover care of the acutely ill and critically ill patient. Emphasis is placed on application of data obtained during monitoring and assessment of patients. Therapeutic and diagnostic modalities will be addressed.

RESP 211 Clinical Practice III
Prerequisite: Successful completion Clinical Practice I, and II, Fundamentals of Respiratory Care I, II, III, RC Pharmacology, Cardiopulmonary A&P, Topics and Procedures I and II, Respiratory Diseases
Credit Hours: 5

*Refer to the Placement Testing Procedure 3.22, page 24  ** Refer to Course Transfer, page 18
In this course students will apply skills learned in the classroom to the clinical setting. Emphasis will be placed on specialized areas of Respiratory Therapy such as neonatal and pediatric Respiratory Therapy, long-term ventilator care, home health, and sleep studies.

RESP 212 Respiratory Care Professional Forum
Prerequisite: Fundamentals of Respiratory Care I, II, and III, Respiratory Care Pharmacology, Cardiopulmonary Anatomy and Physiology, Respiratory Care Diseases, Clinical Practice I and II, Respiratory Care Topics and Procedures.
Credit Hours: 2
The purpose for this course is to provide students with an opportunity to share significant clinical experiences, to present clinical problems and solutions, to practice communication skills, and the presentation of student in-services. The student will learn how to write an effective resume and practice job-seeking skills, including the interview process. The student will also learn how to write a Respiratory Therapy protocol. This course is concurrent with RESP 211, Clinical Practice III.

RESP 213 Respiratory Care Topics and Procedures
Prerequisite: Fundamentals of Respiratory Care I, II, III, Cardiopulmonary Anatomy and Physiology, Pharmacology, Respiratory Diseases
Credit Hours: 3
This is a course designed to prepare the student for specialized monitoring used by respiratory therapist and includes: invasive hemodynamic monitoring, intracranial pressure monitoring, bronchoscopes, thoracentesis, chest tubes, sleep studies, pulmonary rehabilitation, chest x-rays, and respiratory gas monitoring.

HEAL 151 (5819) Advanced Cardiac Life Support
Prerequisite: None
Credit Hours: 1
This course is designed to provide the participant with the skills to respond to acute cardiovascular situations in and out of the hospital setting.

Sociology

SOCI 101 (2280) Sociology  KRSN SOC1010**
Placement Test Level: General Education Course Placement*
Prerequisite: None
Credit Hours: 3
This course examines human social interactions and relationships between groups. Within the context of classical and contemporary sociology, the course provides an overview of the study of society, the individual in society, social inequality, social institutions, social change, and social issues.

SOCI 112 (2282) Introduction to Social Work
Placement Test Level: General Education Course Placement*
Prerequisite: None
Credit Hours: 3
A survey of the human services fields, this course examines social welfare agencies and services, as well as career opportunities in social work.

SOCI 122 Basic Helping Skills  KRSN SOC1020**
Placement Test Level: General Education Course Placement*
Prerequisite: Co-requisite: SOCI 123 Basic Helping Skills Experience
Credit Hours: 3
This course combines the theories of social work practice with the learning of social work practice skills using common models and theoretical frameworks. This course presents ecological models, the strength-based, problem-solving process, dominant brief therapies, and cultural competence as approaches to practice in social work. This course presents and provides structured practice of the fundamental interpersonal skills required for effective social work practice. The course teaches interviewing skills and critical thinking about interview processes, (from intake through termination and evaluation) and focuses primarily on using those skills

*Refer to the Placement Testing Procedure 3.22, page 24  ** Refer to Course Transfer, page 18