Pre-Nursing Course Descriptions

BIOL 202: Introduction to Microbiology/Lab (4)
Prerequisite: BIOL 150 General Biology or instructor approval
This course is a study of microbes important to man including human pathogens and diseases.
Laboratory work includes methods of culturing, staining and identification of common microbe
forms.

BIOL 220: Anatomy & Physiology/Lab I (4)
Prerequisite: General Biology/Lab BIOL 150, General Chemistry CHEM 115 or 121, This course is
an introductory study of the basic chemistry, cellular biology, integument system, skeletal
system, muscular system, and nervous system.

BIOL 221: Anatomy & Physiology/Lab II (4)
Prerequisite: BIOL 220 Anatomy and Physiology I or instructor approval
This course is a continuation of the study of human anatomy and physiology that began with
BIOL 220. This course deals with the endocrine, cardiovascular, digestive, urinary and
reproductive systems of the human body.

CHEM 115: Introductory Chemistry/Lab (4)
Prerequisite: MATH 102 – Intermediate Algebra (or one year of high school algebra)
This course is the study of measurement, ionic and covalent compounds, chemical calculations,
states of matter, energy, solutions, reactions, and chemical bonding.

CHEM 116: Introduction to Organic Chemistry & Biochemistry/Lab (4)
Prerequisite: CHEM 115 or CHEM 121
This course is the study of alkanes, alkenes, and alkynes aromatics, alcohols, phenols, ethers,
adehydes/ketones, carboxylic acids and esters, amines and amides, carbohydrates, lipids,
amino acids, proteins, and nucleic acids.

MATH 112: College Algebra II (3)
Prerequisite: Prerequisite: MATH 111 College Algebra I
In this course the student will cover exponential and logarithmic functions, systems of
equations and equalities, discrete algebra and analytic geometry.

MATH 210: Statistics I (3)
Prerequisite: Math 112 or MATH 103 or department approval.
In this course the student will study the description of sample data, numerical methods for
analyzing data, normal distribution, sampling, estimation, hypothesis testing, linear correlation,
regression, probability, rules of probability, discrete probability distributions and the

properties, chi-square distribution, analysis of variance and nonparametric statistics. Emphasis is given to application in word problems.

NURS 100: Nurse Aid Certification & CPR (4)
Prerequisite:

NUTR 240: Nutrition (3)
Prerequisite: None
This course provides an understanding of nutrients, the four basic food groups, adequate diets for healthy people, the food exchange list used in special diets, nutrition during pregnancy, infancy and pre-school digestion, absorption, metabolism, overweight, nutritional evaluation of self, food fads and fallacies, habits and nutritional deficiencies.