

University of Pennsylvania School of Nursing

Recommended Courses for BSN Transfer Applicants

Below are course descriptions of recommended courses for transfer applicants, along with guidelines for completing this coursework elsewhere. Although it is not necessary that you need to take the following courses to be considered for admission, you are strongly encouraged to have at least one science course (with lab).

Helpful Hints to increase likelihood of successful transfer of credit:

- *Take SEMESTER long courses - avoid quarter long courses. It is recommended (but not required) that courses be taken at a four-year institution. Grade of C or better required for transfer credit. Grade of C- will not transfer.*
- *Please find and file away a copy of the syllabi of any classes you have taken that appear comparable to any listed on this page. Do not send this information with your application. It will be requested only after admission.*

Chemistry Requirement:

When selecting chemistry courses to fulfill your requirements at the University of Pennsylvania, it is to your advantage both in terms of time and applicability of the material, to find a chemistry course like N40 that covers all the general chemistry topics in one semester. Otherwise you must take two semesters of Chemistry 101 and 102.

The same is true for our second semester chemistry requirement. It is to your advantage again to find a N41 type of organic and biochemistry course rather than taking organic chemistry, Biology 101 and Biology 102. This way you can complete in one semester what will take two or three semesters otherwise.

IMPORTANT - all chemistry and biology courses must be lab courses

- *Introductory Chemistry 1&2 w/labs may cover N040.*
- *Introductory Biology 1&2 w/labs + Microbiology w/lab may cover N042. If you are missing only Microbiology, your Intro Biology 1&2 coursework may be transferred in for Nursing 41. You will still need to take a separate Microbiology course to complete the requirements for N42 prior to enrolling in the junior clinical sequence (N210/N220/N240/N270 - see sample plan of study). If you have taken Microbiology alone, you may submit for Biology 175 but you still must fulfill the N41 prerequisite prior to your first fall term.*
- *To receive transfer credit for N51 you will need “lifespan” psychology coursework that covers birth through death and dying. Do not plan to submit General Psychology or Human Development Biology. If you have taken only child psychology or only adult psychology, you cannot receive credit for N51, but you may be able to take an exam to challenge the course with permission.*
- *Anatomy & Physiology content should be HUMAN, contain labs, and have a chemistry prerequisite.*
- *Nutrition course should include content on nutrition across the lifespan.*
- *Only coursework taken in the last five years will be eligible for transfer credit.*

N040 Principles of General and Organic Chemistry (with lab). Concepts of General Chemistry basic to the understanding of the health related sciences. Principles of atomic structure, chemical bonding, chemical and nuclear reactions, acids, bases, and chemical equilibria will be included. Fundamentals of Organic nomenclature and a survey of the physical, chemical, and biological properties of the main organic functional groups will be included.

N041 An Introduction to Organic Chemistry, Biological Chemistry and Molecular Genetics (with lab). Concepts of organic chemistry and biochemistry basic to the understanding of health-related sciences. Fundamentals of nomenclature and the physical, chemical and biological activities of functional organic groups, structural and functional relationships of the major biomolecules, interrelationships of the various metabolic pathways and basics of molecular biology will be included.

N042 An Introduction to Microbiology and Human Biochemistry (with lab). This course is designed to provide a foundation in Microbiology and Biochemistry for study in the health-related sciences. The focus is on understanding the normal world of microorganisms, prokaryotic and eukaryotic cell metabolism and genetics, and the application of this knowledge to understanding disease processes and approaches to prevention.

BIO175 Principles of Microbiology (with lab). Basic microbiology, including cell physiology and anatomy of microorganism and host-pathogen relationships.

N051 Human Development. This course provides an overview of human development across the lifespan. Levels of development to be examined include infancy, early childhood, late childhood, school age, adolescence, young adulthood, middle adulthood, and late adulthood. Development will be examined from a variety of theoretical perspectives including maturational, psychoanalytic, behavioral, and systems. Contemporary issues and research in lifespan development will be emphasized.

N054 Principles of Human Nutrition. Prerequisite(s): NURS 041 or 042. Essentials of normal nutrition and their relationship to the health of individuals and families. These concepts serve as a basis for the development of an understanding of therapeutic application of dietary principles and the nurse's role and responsibility in this facet of patient care. Current issues (weight control, exercise, disease prevention) are discussed and changing nutritional needs throughout the life cycle are highlighted. Participants will analyze their own dietary intake and develop plans for future actions.

N131 Human Anatomy and Physiology. Prerequisite(s): NURS 040, 041/042. Corequisite(s): NURS 104. The structural and functional organization of the human organism is presented, along with the fundamentals of developmental anatomy and embryology. Histologic and gross anatomical features of selected organ systems are related to the physiologic and biochemical mechanisms which enable the human body to maintain homeostasis in an ever-changing environment.

N132 Human Anatomy and Physiology. Prerequisite(s): NURS 040, 041/042, 131. Corequisite(s): NURS 106. Embryonic, histologic, and gross anatomical features of each organ system are related to the physiologic and biochemical mechanisms which enable the human body to maintain homeostasis in an ever-changing environment. Basic concepts of pathophysiology are introduced and applied to certain clinical disorders.

N230 Introduction to Statistics. Application of statistical methods to health care data. Descriptive statistics, including correlation and simple linear regression. Models that underlie inference will be examined, including laws of probability and probability distributions for dichotomous and continuous data. Confidence intervals for percentages and means and testing hypotheses using normal and chi square distributions. Practice using menu-driven statistical software included.

N330 Theoretical Foundations of Health Care Ethics. The theoretical foundations of health care ethics including definitions of ethics, history of bioethics and nursing ethics, and the influence of religion, psychology of moral development and philosophy in the development of ethical theory. Nursing code of ethics, changing ideas in ethics, and discussion of the developing profession of nursing are included.