

HEALTH PROFESSIONS PATHWAY

Bachelor of Science in Nuclear Medicine Science

The Bachelor of Science (B.S.) in Nuclear Medicine Science, housed in the Ila Faye Miller School of Nursing and Health Professions at the University of the Incarnate Word is for students who have a strong interest in the natural sciences, mathematics, and computer technology as well as the desire for close patient contact and direct interaction with physicians and other healthcare professionals. The goal of the Nuclear Medicine Science program is to enable the student to confidently possess the knowledge and skills necessary to safely perform a wide variety of clinical procedures. Students will also be able to effectively communicate with patients with competent skills in radiopharmaceutical dosage, calculation and administration, the operation of imaging devices, and operation of radiation detection monitoring devices.

11th Grade

FALL

MATH 1304
BIOL 2321
BIOL 2121

SPRING

MATH 1311
BIOL 2322
BIOL 2122
PSYC 1301

12th Grade

FALL

MATH 2303
CHEM 1301
CHEM 1101
UIW CORE

SPRING

PHYS 1301
PHYS 1101
UIW CORE (2)



Learn more about the B.S. in Nuclear Medicine Science program at the Ila Faye Miller School of Nursing and Health Professions.

SCAN NOW



BRAINPOWER CONNECTION'S COLLEGE CONNECTION PROGRAM

The Brainpower Connection's College Connection Program offers a seamless transition to the University of the Incarnate Word and its Health Professions schools, accelerating their academic pathway to UIW and post-secondary education at a reduced tuition rate. Eligible students attend college classes on the UIW campus. These dual credit courses will help students to succeed in college and provide opportunities to engage in student life activities. Health professions students must have a C or better in all college courses for major, minor, concentration, and/or specialization.

FOR MORE INFORMATION

Contact Patricia L. Ramirez, director of Brainpower Connection Programs, at (210) 283-6300 or plramire@uiwtx.edu.





B.S. in Nuclear Medicine Science Course Descriptions

BIOL 2321 Anatomy and Physiology I

This course is the first of a two-course sequence. It examines the gross structure and functions of the human body including cells, tissues, and organs of the following systems: integumentary, skeletal, muscular, nervous, and special senses. It is designed for students in biology, the health professions, and physical education.

BIOL 2121 Anatomy and Physiology I Lab

Corequisite laboratory section of BIOL 2321.

BIOL 2322 Anatomy and Physiology II

Anatomy and Physiology II is a course covering the second half of a two-semester sequence on the structure and function of the human organism. The purpose of this course is to familiarize students with the endocrine system, circulation, immunity, respiration, digestion, urinary system, homeostasis of acid, base, and fluids, reproduction, and development.

BIOL 2122 Anatomy and Physiology II Lab

Corequisite laboratory section of BIOL 2322.

CHEM 1301 Chemical Principles I

This course studies fundamental laws and theories of chemistry: the modern concept of the atom, atomic structure and periodic properties of the elements, kinetic-molecular theory, states of matter, solutions, acids, bases, and salts, oxidation-reduction, equilibrium, thermodynamics, electrochemistry, nuclear chemistry, bonding. **Prerequisite: MATH 1304 OR MATH 1311 OR MATH 2312.**

CHEM 1101 Chemical Principles I Lab

Corequisite laboratory section of CHEM 1301.

MATH 1304 College Algebra

This three-hour course covers algebraic operations, functions, and functional notation; polynomial equations and inequalities; graphing techniques, graphs of polynomial and rational functions; logarithms and exponentials; and problems from the physical and social sciences and business.

MATH 1311 Pre-Calculus

This is a three-hour course that focuses on the properties of functions and their inverses with the study of trigonometric, logarithmic, and exponential functions. Students will learn concepts essential to the study of calculus, including but not limited to sequences, series, analytic trigonometry, and analytic geometry. **Prerequisite: MATH 1304.**

MATH 2303 Probability and Statistics

This course covers elementary probability theory, as well as techniques of statistical inference including sampling theory, estimation procedures, and hypothesis testing. **Prerequisite: MATH 1304 or higher.**

PHYS 1301 General Physics I

This Algebra-based course is a study of mechanics, gravitation, fluids, heat, and thermal properties of matter. **Prerequisite: MATH 1304 OR MATH 1311 OR MATH 2312 OR MATH 2313.**

PHYS 1101 General Physics I Lab

Corequisite laboratory section of PHYS 1301.

PSYC 1301 Introduction to Psychology

This course studies the basic facts and principles of psychology.