



Frances M. Maguire  
College of Nursing and  
Health Professions

# Becoming a Nurse Starts Here!

Making the change to a nursing career is one of the most rewarding decisions you can make.

For more than 70 years, The Frances M. Maguire School of Nursing and Health Professions at Gwynedd Mercy University has been a leader and innovator in nursing and healthcare education. We are dedicated to assisting you in this transition and providing you with the knowledge and skills you need to succeed.



[accelerated.gmercyu.edu/health-prerequisites](https://accelerated.gmercyu.edu/health-prerequisites) - (833) 588-5953

# Health Sciences Prerequisite Program

It may be necessary for you to make up or complete undergraduate-level science courses in preparation for enrolling in our Direct Entry Master of Science in Nursing (DEMSN) or Accelerated Bachelor of Science in Nursing (ABSN) programs. In fact, 90% of our accelerated nursing graduates completed at least one prerequisite course at GMercyU.

## Our prerequisite program offers you distinct advantages:

- Online courses provide you with flexibility and convenience
- A focus on science theory and clinical applicability for maximum impact
- Virtual lab components are designed to help you develop needed skills
- Faculty committed to your success provides you with an ideal learning environment



## Requirements

Students are required to have at least a high school diploma. This program is not eligible for financial aid or payment plans. These courses will help prepare students to start a nursing degree program.

## Prerequisite Courses

All courses cost \$350 per credit hour and are led by instructors who will emphasize the health-related aspects of each topic. Unless noted, each class is eight weeks in length. Lab kits will be delivered to your home.



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# Prerequisite Courses

## **BIO 107 Anatomy and Physiology I (3)**

A study of the basic concepts of human anatomy and physiology, beginning with cell biology and histology and continuing with a survey of skeletal, muscular, nervous, sensory, and endocrine systems. 3 lecture hours per week. Not accepted as credit towards the biology major.

**Corequisite:** BIO 107L

**Prerequisite:** High school chemistry or equivalent.

## **BIO 107L Anatomy and Physiology Laboratory I (1)**

Laboratory studies of the structure and function of the systems included in BIO 107. 2 laboratory hours per week. Not accepted as credit towards the biology major.

**Corequisite:** BIO 107

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## **BIO 108 Anatomy and Physiology II (3)**

A continued study of the basic structural and functional aspects of hematology, immunology, cardiovascular, respiratory, digestive, renal and reproductive systems. 3 lecture hours per week. Not accepted as credit towards the biology major.

**Corequisite:** BIO 108L

**Prerequisites:** "C" or better in BIO 107 or permission of Division chair.

## **BIO 108L Anatomy and Physiology Laboratory II (1)**

Laboratory studies of the structure and functions of the systems included in BIO 108. 2 laboratory hours per week. Not accepted as credit towards the biology major.

**Corequisite:** BIO 108



## **BIO 111 Microbiology (3)**

An introduction to the microbial world, including discussion of the morphology, metabolism, growth and control of microorganisms. Topics include human infection, resistance and immunity. 3 lecture hours per week. Not accepted as credit towards the biology major.

**Corequisite:** BIO 111L

## **BIO 111L Microbiology Laboratory (1)**

Basic microbiological techniques, biochemical and physiological reactions and identification of selected microorganisms. 2 1/2 laboratory hours per week. Not accepted as credit towards the biology major.

**Corequisite:** BIO 111



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# Prerequisite Courses

## CHM 111 Chemistry for the Allied Health Professions (3)

An introduction to the general, organic and biological chemistry for students in the health professions. Topics include the structure, properties and reactions of inorganic, organic and biological compounds, solution chemistry, gas laws, energetic, acid-base chemistry, equilibrium, kinetics, electrochemistry and nuclear chemistry. Emphasis is on physiological and clinical correlations. 3 lecture hours per week. Not accepted as credit towards the biology major.

**Prerequisite:** Demonstrated Knowledge of high school algebra. **Corequisite:** CHM 111L.

## CHM 111L Chemistry for the Allied Health Professions Laboratory (1)

Application of the experimental techniques of chemistry to the study of stoichiometry, gas laws, thermochemistry, solutions and the structure, function and reactions of organic and biological compounds. 3 laboratory hours per week.

**Corequisite:** CHM 111.



## NUT 200 Principles of Nutrition (3)

A comprehensive 5-week course that covers the essentials of optimum nutrition in health and disease. It includes macro-nutrients and energy metabolism; vitamins and minerals; nutrition and diet for the client. The course includes an examination of clinical nutrition as it pertains to care of clients in a health care setting.

## PSY 111 Statistics (3)

A 5-week introduction course to descriptive and inferential statistics with applications to educational and psychological research: frequency distributions, probability, binomial and normal distributions, graphic comparisons, correlation, chi square, analysis of variance, and distribution. **Students required to enroll in MTH 002, Developmental Math, must complete that course before enrolling in PSY 111-Statistics.**

## PSY 200 Developmental Psychology (3)

A 5-week course on theories, issues and research concerning changes in physical, intellectual, emotional and social development across the life-span are examined and applied to specific social issues.

**Pre-requisite:** PSY 100.

**Start Advancing Your Nursing Career Today!**

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