



Gwynedd Mercy
University

Frances M. Maguire
School 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 50 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 - 267-214-1538

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 Accelerated Bachelor of Science in Nursing (ABSN) program. In fact, 90% of our ABSN 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

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 115 Chemistry for the Health Professions I (4 credits)

An introduction to the principles of general chemistry for students of the health profession. Topics include the structure, properties and reactions of inorganic compounds, nuclear chemistry, stoichiometry, gas laws, solution chemistry, thermochemistry, equilibrium, kinetics, and acid-base chemistry. Emphasis is on physiological and clinical correlations. 3 lecture hours per week.

Corequisite: CHM 115L or permission of instructor.

Prerequisite: demonstrated knowledge of high school algebra.

CHM 116 Chemistry for the Health Professions II (3)*

An introduction to organic and biological chemistry for students of the health professions. Topics include the structure, properties and reactions of organic compounds, carbohydrates, lipids, proteins, and nucleic acids, enzyme activity and metabolic pathways and the storage and transmission of genetic information. Emphasis is on physiological and clinical correlations. 3 lecture hours per week.

Corequisite: CHM 116L or permission of instructor.

Prerequisite: C or better in CHM 115 or equivalent or permission of the instructor.

CHM 116L Chemistry for the Health Profession II Laboratory (1)

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

Corequisite: CHM 116 or permission of instructor.



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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.

Prerequisite: PSY 100.



Start Advancing Your Nursing Career Today!

Visit accelerated.gmercyu.edu/health-prerequisites

or call 267-214-1538

* Transferable credit has a 5-year expiration for this course.

** If transferring, you must be a registered dietitian to receive transfer credit for this class.