



DEPARTMENT OF  
HIGHER EDUCATION &  
WORKFORCE DEVELOPMENT

## New Program Report

**Date Submitted:**

01/24/2024

Institution

Washington University

Site Information

**Implementation Date:**

1/24/2024 12:00:00 AM

Added Site(s):

Selected Site(s):

CIP Information

**CIP Code:**

511105

**CIP Description:**

A program that prepares individuals for admission to a professional program in Nursing.

**CIP Program Title:**

Pre-Nursing Studies

**Institution Program Title:**

Associate in Arts Degree in Pre-Nursing

Degree Level/Type

**Degree Level:**

Associate Degree

**Degree Type:**

Academic Associate Degree

**Options Added:**

Collaborative Program:

N

Mode of Delivery

Current Mode of Delivery

Hybrid

Student Preparation

Special Admissions Procedure or Student Qualifications required:

None

Specific Population Characteristics to be served:

None

Faculty Characteristics



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Special Requirements for Assignment of Teaching for this Degree/Certificate:  
Faculty in this program must meet the School's standard faculty qualifications.

Estimate Percentage of Credit Hours that will be assigned to full time faculty:  
0

Expectations for professional activities, special student contact, teaching/learning innovation:  
Online and hybrid faculty are required to take a three-week training in online pedagogy and tools. Additionally, all faculty are incentivized to take our six-week Course Design Institute. The trainings promote best practices for adult learners.

### Student Enrollment Projections Year One-Five

<b>Year 1</b>	<b>Full Time: 0</b>	<b>Part Time: 107</b>	
<b>Year 2</b>	<b>Full Time: 0</b>	<b>Part Time: 110</b>	
<b>Year 3</b>	<b>Full Time: 0</b>	<b>Part Time: 120</b>	<b>Number of Graduates: 50</b>
<b>Year 4</b>	<b>Full Time: 0</b>	<b>Part Time: 125</b>	
<b>Year 5</b>	<b>Full Time: 0</b>	<b>Part Time: 130</b>	<b>Number of Graduates: 100</b>

### Percentage Statement:

n/a

### Program Accreditation

Institutional Plans for Accreditation:  
Higher Learning Commission

### Program Structure

#### Total Credits:

60

#### Residency Requirements:

None

#### General Education Total Credits:

42

#### Major Requirements Total Credits:

18

#### Course(s) Added

COURSE NUMBER	CREDITS	COURSE TITLE
Psych 100	3	Introduction to Psychology
U11 203	3	Critical and Researched Writing
Psych 230	3	Human Growth and Development
Math 205	3	Applied Statistics



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Bio 240	4	Anatomy & Physiology II with Lab
Comm 217	3	Oral Communications
Bio 1001	3	Concepts in Biology
Bio 204	3	Nutrition
Math 1011	3	Introduction to Statistics
Comm 2111	3	Introduction to Public Speaking
U11 111	3	Analytical Writing
Bio 220	4	Anatomy & Physiology I with Lab
Bio 280	4	Microbiology

**Free Elective Credits:**

18

**Internship or other Capstone Experience:**

None

**Assurances**

I certify that the program will not unnecessarily duplicate an existing program of another Missouri institution in accordance with 6 CSR 10-4.010, subsection (9)(C) Submission of Academic Information, Data and New Programs.

I certify that the program will build upon existing programs and faculty expertise.

I certify that the institution has conducted research on the feasibility of the proposal and it is likely the program will be successful. Institutions' decision to implement a program shall be based upon demand and/or need for the program in terms of meeting present and future needs of the locale, state, and nation based upon societal needs, and/or student needs.

**Contact Information**

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Course Number	Course Title	Credit Hours	Description
U11 111	Analytical Writing	3	<p>This course is about reading well and writing deliberately, and it views those two acts as intimately related. Students will read as writers, studying the strategies that writers use to write persuasively and then practicing those strategies in their own writing. The course offers a method for close reading (based on finding meaningful patterns); it offers practice linking claims with evidence for those claims, and it offers practice organizing papers using such skills as well-written summaries, theses, transitions, topic sentences, and paragraphs.</p> <p>This course teaches students to engage critically with scholarship, to construct convincing arguments, and to write persuasive research papers. Students will study how other writers achieve these goals and then use a proven model of researched writing to write an argument and paper about a text of their own choosing that includes the accurate use of primary and secondary sources. Students will concentrate on a single research project throughout the semester, and attention will be given to revision and organization, library research strategies, academic citation conventions, and electronic search engines and sources. This course is required for all University College undergraduate degree candidates and must be taken at Washington University. Prerequisite: U11 101 or U11 111. The prerequisite can be waived by permission of the instructor based on an assessment taken prior to the beginning of the course.</p>
U11 203	Critical and Researched Wi	3	<p>This course covers basic concepts of statistics, including data collection (sampling and designing experiments), data organization (tables, graphs, frequency distributions, numerical summarization of data), and statistical inference (elementary probability and hypothesis testing). Prerequisite: high school algebra.</p>
Math 1011	Introduction to Statistics	3	<p>high school algebra.</p>

Math 205	Applied Statistics	<p>This is a first course in statistics, with examples and applications from a variety of disciplines and emphasis on the social, behavioral, and natural sciences. Students learn about key topics and statistical methods that may be applied to areas such as economics, mathematics, psychology, business, and health sciences, to name a few. The course provides a foundation in descriptive and inferential statistics as well as in probability. Students learn numerical and graphical methods of describing data and study some of the more common distributions. Topics include hypothesis testing, confidence-interval estimation, correlation, regression, analysis of variance, contingency tables, quality control, and nonparametric statistics. This course may be applied to University College majors in economics, managerial economics, mathematics, and political science. This course is entirely web-based, with all course components online. U20 Math 205 and U20 Math 305 may not both be taken for credit.</p>
Comm 2111	Introduction to Public Spee	<p>3 Prerequisite: College algebra.</p> <p>Public Speaking is an essential skill for success in a student's professional career and in public life. This class is geared for students to succeed. The focus of this class is to develop each student's innate ability and the confidence necessary to speak effectively in public. The presentation skills we will work on are: structuring an effective speech, writing to be heard and not read, and using the voice and body successfully. Students will present an introductory speech, an informative speech and a persuasive</p> <p>3 speech.</p>
Comm 217	Oral Communications	<p>Oral Communication is an introductory course that bridges the most prominent areas in the study of interpersonal and speech communication, including effective one-to-one, small and large group, intercultural, relational, organizational and professional, and public speaking. It will emphasize theoretical/conceptual approaches as well as skill development and the application of oral and speech communication tactics to various communication settings and contexts. Students will explore and apply effective communication strategies that incorporate elements in persuasion, mindful listening, cultural awareness, and group</p> <p>3 management and leadership. This course is fully online.</p>
Psych 100	Introduction to Psychology	<p>This course covers current concepts and theories of learning, motivation, emotion, perception, thought, intelligence, and personality, emphasizing both biological and philosophical aspects. This course is a prerequisite for all 300-level and</p> <p>3 above psychology courses.</p>

Psych 230	Human Growth and Develc	<p>This course provides an overview of emotional, psychological, physical, and social development through the life span. We will emphasize the developmental tasks, characteristics, and typical behaviors of each developmental era (infancy, childhood, adolescence, adulthood, later life). We will study major developmental theorists including Freud, Erickson, Piaget, Millet, Gilligan, and Kohlberg.</p>
Bio 1001*	Concepts in Biology	<p>Concepts in Biology is a one-semester survey of the major topics covered in general biology, cell biology, and genetics. The course covers four units: Cells, Genetics, Evolution, and Animal Structure and Function. The course is intended for students fulfilling pre-nursing requirements, or for others seeking broad coverage of biology concepts. Does not replace General Biology for premedical students or others majoring in the sciences.</p>
Bio 204*	Nutrition	<p>This introductory course examines nutrition as an interdisciplinary science. Topics include: the chemistry, function, and metabolism of nutrients; regulations of food intake; food habits; digestion and absorption of nutrients; methods of determining nutrient content of foods and nutrient requirements for humans and animals; comparative nutrition; problems of human malnutrition; relation of nutrition to disease; toxic materials in foodstuffs; economic, nutritional, and social problems involved in feeding the world population and future possibilities for meeting nutritional needs of the world's population. This is a basic course in nutrition; it is not designed to train nutritionists.</p>
Bio 220*	Anatomy & Physiology I wi	<p>Anatomy and physiology is the study of inter-relationships between the structure and the function at gross and microscopic levels of the organization of the living body. The two-semester series will use the body systems to emphasize the anatomical terminology, cellular and tissue level of organization. Anatomy and physiology I includes the integumentary, skeletal, muscular, nervous and endocrine systems. The laboratory component reinforces topics and concepts covered in lectures. Pre-requisite: U29 1001 or U29-4 101, or permission of the instructor.</p>

Anatomy and physiology is the study of inter-relationships between the structure and the function at gross and microscopic levels of the organization of the living body. This two-semester course will use the body systems to emphasize the anatomical terminology, cellular and tissue level of organization. Anatomy and physiology II includes the cardiovascular, respiratory, immune, digestion, urinary and reproductive systems. The laboratory component reinforces topics and concepts covered in lectures. This course is recommended for pre-nursing students. Prerequisite:

Bio 240\*

Anatomy & Physiology II w

4 Anatomy and Physiology I or permission from the instructor.

This course will introduce students to microbes with the emphasis on microbial diversity, transmission of infectious diseases, antimicrobial chemicals, and human defenses against infection. The course includes a two-hour weekly lab. Prerequisite: Concepts in Chemistry (U05 1001), Concepts in Biology (U29 1001), General Biology I - lecture only (U29 101), high school Biology or Chemistry within the last five years, or

Bio 280\*

Microbiology

4 permission of the instructor.

\*Concentration Requirements