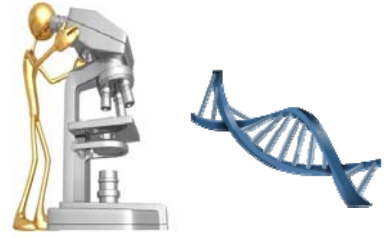




INSTITUTE of NOTRE DAME
BIOMEDICAL
SCIENCES PROGRAM

A partnership with Project Lead The Way®



Information & Questionnaire

Biomedical Sciences is a combination of science and human health related topics.

The Biomedical Sciences Curriculum is a series of four sequential courses designed to introduce students to the biomedical sciences and to prepare them to pursue careers and further study in a health or science profession.

The four specific courses are:

- Course 1-Principles of Biomedical Science
- Course 2-Human Body Systems
- Course 3- Medical interventions
- Course 4-Biomedical Innovations

These courses are a supplement to the usual college preparatory science and math curriculum. Ideally the student should begin the curriculum as a freshman, but it is possible to 'double up' in later years if the student enters the curriculum as a sophomore or junior. The first year course is open to all students and is a pre-requisite for the other biomedical sciences courses.

The ideal student for this program is someone interested in pursuing a career in biological sciences, emergency services, healthcare, medicine or related fields. She must have solid college prep academic abilities to be successful in this program.

The Biomedical Sciences Program is a partnership with the nonprofit organization Project Lead The Way®. More information about Project Lead The Way® and the Biomedical Sciences Program can be found at the website www.pltw.org.

Course Description
Principles of the Biomedical Sciences

1 credit
9, 10

College Preparatory

Year

This course is the first of 4 sequential courses in the Biomedical Sciences program. It is designed to provide an overview of the courses contained in the Biomedical Sciences program and to lay the scientific foundation necessary to succeed in the subsequent courses. In this course students will begin to study the human body and human medicine by investigating various health conditions. Key biological concepts including homeostasis, metabolism, inheritance and immunity will be emphasized. This course will also focus on the use of models, hands -on activities, projects and technology to enhance learning.

Please note that this course is a supplement to the typical college preparatory sciences course.

Prerequisite: Demonstrated interest in the topic (completion of a questionnaire), a B average in science and math, and approval of the Biomedical Sciences teacher.

Student Questionnaire for the Principles of Biomedical Sciences Course

First Name

Last Name

High School Graduation Year

1. Why are you interested in the Biomedical Sciences program?

2. What do you expect to learn in the Principles of Biomedical Sciences course?

Please return this completed questionnaire to:

Institute of Notre Dame, Biomedical Sciences Program, 901 Aisquith Street, Baltimore, MD 21202