

B.S. HEALTH SCIENCES
Medical Laboratory Science Option

8/12 JKN

The MLS program consists of a minimum of 90 credit hours at Bloomsburg University, followed by one calendar year (30 credit hours) of clinical education. See your advisor for a list of clinical affiliates.

Health Science Core Requirements (26 cr hrs)				Related Core Requirements (19 cr hrs)			
Biology 114	Concepts in Biology 1	4	<input type="checkbox"/>	Chem 115	Chem for Sciences 1	4	<input type="checkbox"/>
Biology 173	Anatomy & Physiology 1	4	<input type="checkbox"/>	Chem 116	Chem for Sciences 2	4	<input type="checkbox"/>
Biology 174	Anatomy & Physiology 2	4	<input type="checkbox"/>				
Biology 208	Medical Terminology	3	<input type="checkbox"/>	Chem 230	Fund Organic Chemistry	4	<input type="checkbox"/>
Biology 242	Microbiology	4	<input type="checkbox"/>	Chem 341	Biochemistry	4	<input type="checkbox"/>
Biology 271	Cell Biology	4	<input type="checkbox"/>				
Biology 233	Human Genetics OR						
Biology 333	Molecular Biology	3	<input type="checkbox"/>	Math 141	Intro Statistics	3	<input type="checkbox"/>

Other Requirements (6 cr hr)			
Biology 342	Medical Microbiology OR		
Biology 470	Medical Parasitology	3	<input type="checkbox"/>
Biology 343	Immunology	3	<input type="checkbox"/>

Clinical (30 cr hrs)		
MedTech 401	Clinical Microbiology	6-10 credits
MedTech 402	Clinical Hematology/Coagulation	6-10 credits
MedTech 403	Clinical Chemistry	6-10 credits
MedTech 404	Clinical Immunohematology	3-6 credits
MedTech 405	Clinical Immunology/Serology	2-4 credits
MedTech 406	Clinical Seminar	1-6 credits

General Education Requirements

Two cultural diversity courses (6 cr hr) are required. These can fulfill either group A, group B, or values & ethics requirements. Designate these with a + symbol.

As the Quantitative/Analytical course is being used to fulfill a group C requirement, **neither** the Communications elective nor the Values/Ethics can be used to fulfill a group A or a group B requirement.

Communication (9 cr hrs)

English 101	Found. of Writing	3	<input type="checkbox"/>
Biology 290	Writing in Biology	3	<input type="checkbox"/>
_____	_____	3	<input type="checkbox"/>

English Composition II can be substituted for Writing in Biology.

Suggested communication electives include: foreign language course; Public Speaking; Interpersonal Communication

Quantitative-Analytical Reasoning (3 cr hrs)
Fulfilled by mathematics requirement for major.

Values, Ethics, ... (3 cr hrs)
_____ 3

GROUP C. Natural Science and Mathematics (12 cr hrs)

Fulfilled by chemistry, biology, and mathematics requirements for the major.

GROUP A. Humanities & Arts (12 cr hrs)

_____	_____	<input type="checkbox"/>
_____	_____	<input type="checkbox"/>
_____	_____	<input type="checkbox"/>
_____	_____	<input type="checkbox"/>

GROUP B. Social Sciences (12 cr hrs)

_____	_____	<input type="checkbox"/>
_____	_____	<input type="checkbox"/>
_____	_____	<input type="checkbox"/>
_____	_____	<input type="checkbox"/>

Fitness and Recreational Skills (2 cr hrs)

_____ _____

Free Electives. List free elective courses here. Total number of cr hrs must be at least 90 prior to the clinical year. Recommended electives are the following: Biology 334 Molecular Biology Lab; Biology 472 Animal Cell Physiology; Acct 220 Financial Accounting; and Mgmt 244 Principles of Management.

_____	_____
_____	_____
_____	_____