

B.S. HEALTH SCIENCES Clinical Laboratory Science Option

The CLS 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 (24 cr hrs)			Related Core Requirements (19 cr hrs)				
50-107	Medical Terminology	1	<input type="checkbox"/>	52-115	Chem for the Sciences I	4	<input type="checkbox"/>
50-114	Concepts in Biology I	4	<input type="checkbox"/>	52-116	Chem for the Sciences II	4	<input type="checkbox"/>
50-242	Microbiology	4	<input type="checkbox"/>				
50-271	Cell Biology	4	<input type="checkbox"/>	52-230	Fund Organic Chemistry	4	<input type="checkbox"/>
50-233	Human Genetics OR			52-341	Biochemistry	4	<input type="checkbox"/>
50-333	Molecular Biology	3	<input type="checkbox"/>				
50-173	Anatomy & Physiology I	4	<input type="checkbox"/>				
50-174	Anatomy & Physiology II	4	<input type="checkbox"/>	53-141	Intro Statistics	3	<input type="checkbox"/>

Other Requirements (6 cr hr)			
50-342	Medical Microbiology	3	<input type="checkbox"/>
50-343	Immunology	3	<input type="checkbox"/>

Clinical (30 cr hrs)		
86-401	Clinical Microbiology	6-10 credits
86-402	Clinical Hematology/Coagulation	6-10 credits
86-403	Clinical Chemistry	6-10 credits
86-404	Clinical Immunohematology	3-6 credits
86-405	Clinical Immunology/Serology	2-4 credits
86-406	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)

20-101 English Composition I 3
 50-290 Writing in Biology 3
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20-201 English Composition II can be substituted for Writing in Biology.

Suggested communication electives include: foreign language course; 25-103 Public Speaking; 25-104 Interpersonal Communication

Quantitative-Analytical Reasoning (3 cr hrs)

Fulfilled by mathematics requirement for major.

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

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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)

GROUP B. Social Sciences (12 cr hrs)

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: Intro Computer Science 56-110; Animal Cell Physiology 50-472; Financial Accounting 91-220; and Principles of Management 93-244.

