

**Total Hours Needed for Graduation: 122**

**BG PERSPECTIVE (BGP) REQUIREMENTS:**

Course \_\_\_\_\_ Credits \_\_\_\_\_

**Must complete at least 1 course in each of the following:**

English Composition and Oral Communication  
\_\_\_\_\_

Quantitative Literacy  
\_\_\_\_\_

**Must complete at least 2 courses in each of the following:**

Humanities and the Arts  
\_\_\_\_\_  
\_\_\_\_\_

Natural Sciences  
\_\_\_\_\_  
\_\_\_\_\_

Social and Behavioral Sciences  
\_\_\_\_\_  
\_\_\_\_\_

**Complete total required BGP credit hours by selecting courses from any of the above categories:**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**UNIVERSITY REQUIREMENTS**

**Note:** Designated courses in the Humanities and the Arts, and the Social and Behavioral Sciences domains may be used to fulfill both a BGP requirement and one of the following university requirements:

Cultural Diversity in the U.S. \_\_\_\_\_

International Perspective \_\_\_\_\_

Composition Requirement:  
\_\_\_\_ GSW 1120 Academic Writing \_\_\_\_\_

*Total BGP Credits: Must be at least 36*

**COMPUTATION AND MATH (2 COURSES)**

3-5 \_\_\_\_\_ MATH 1220 **or** 1280 **or** 1300

3 \_\_\_\_\_ MATH 1150 **or** STAT 2000

Grade of "C" or better required in Math

S/U option not permitted in any of the BG Perspective courses.

**DEGREE PROGRAM CORE COURSES (47-49 hours)**

**Grade of "C" or better required**

- 5 \_\_\_\_\_ CHEM 1250: General Chemistry
- 5 \_\_\_\_\_ CHEM 1270 & 1280 General Chemistry
- 4-5 \_\_\_\_\_ CHEM 3060: Organic Chemistry **or**  
CHEM 3410: Organic Chemistry
- 4-5 \_\_\_\_\_ CHEM 3080 & 3090: BioChemistry **or**  
CHEM 3440 & 3460: Org Chem & Lab
- 4 \_\_\_\_\_ BIOL 2050: General Biology
- 4 \_\_\_\_\_ BIOL 3140/3150: Microbiology for Health Professions
- 4 \_\_\_\_\_ BIOL 3320: Anatomy and Physiology
- 3 \_\_\_\_\_ BIOL 4080: Molecular Biology **or**  
BIOL 4210: Molecular Biotechnology
- 2 \_\_\_\_\_ MLS 2010: Orientation to MT
- 3 \_\_\_\_\_ AHS 4010: Issues in Health Care
- 4 \_\_\_\_\_ MLS 4110 & 4120: Diagnostic Immunology I
- 3 \_\_\_\_\_ MLS 4340: Clinical Parasitology

**ELECTIVE COURSES: (4-16 hours)**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Recommended Electives: BIOL 3310, 3500, 4050, 4070, 4260, 4380, 4390, 4490; ENVH 4070, 4490; CHEM 2010; MATH 1310; PHYS 2010, 2020; PUBH 3010, 3200, 3300, 3400**

Students who enter the degree program as freshman should complete this side of the check sheet in 6 semesters (3 years). The senior year is comprised of 13-months of full-time study which includes a clinical practicum. Students who transfer from another university or from another degree program may require more time in order to complete the pre-professional portion.

**The Department chair must give approval for a student to accept a position in a program other than the BGSU University-based program. The student can then register for the MLS 4000 level courses to be conducted at the hospital-based program (see hospital-based requirements on the back of this sheet).**

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Application for professional portion (end of Junior year) date applied:  
\_\_\_\_\_ to Department Chair.

Admission: \_\_\_\_\_ Conditional Admission: \_\_\_\_\_

Alternate Admission: \_\_\_\_\_ Not admitted: \_\_\_\_\_

GPA after Junior Year must be 2.5 to apply for Clinical Laboratory Studies.

### **UNIVERSITY BASED PROGRAM REQUIREMENTS (48-50 credits)**

- 4 \_\_\_\_\_ MLS 4130: Immunohematology I
- 2 \_\_\_\_\_ MLS 4140: Immunohematology I Lab
- 3 \_\_\_\_\_ MLS 4150: Immunohematology II
- 2 \_\_\_\_\_ MLS 4160: Clinical Immunology II
- 3 \_\_\_\_\_ MLS 4210: Hematology I
- 2 \_\_\_\_\_ MLS 4220: Hematology I Lab (or 2220 + 4600)
- 2 \_\_\_\_\_ MLS 4230: Hematology II
- 3 \_\_\_\_\_ MLS 4240: Hematology III
- 3 \_\_\_\_\_ MLS 4310: Clinical Bacteriology I
- 2 \_\_\_\_\_ MLS 4320: Clinical Bacteriology I Lab
- 4 \_\_\_\_\_ MLS 4330: Clinical Bacteriology II
- 2 \_\_\_\_\_ MLS 4350: Clinical Mycology
- 1 \_\_\_\_\_ MLS 4360: Clinical Virology
- 4 \_\_\_\_\_ MLS 4410: Clinical Chemistry I
- 2 \_\_\_\_\_ MLS 4420: Clinical Chemistry I Lab
- 5 \_\_\_\_\_ MLS 4430: Clinical Chemistry II
- 2 \_\_\_\_\_ MLS 4510: Analysis of Body Fluid (or 2510 + 4600)
- 1 \_\_\_\_\_ MLS 4650: Clinical Studies
- 1-3 \_\_\_\_\_ MLS 4800: Introduction to Clinical Research

### **ELECTIVE**

- 1-3 \_\_\_\_\_ MLS 4700: Research & Special Topics

### **HOSPITAL BASED PROGRAM REQUIREMENTS (34-36 credits)**

- 1 \_\_\_\_\_ MLS 4020: Orientation and Management
- 9 \_\_\_\_\_ MLS 4030: Applied Clinical Microbiology
- 2 \_\_\_\_\_ MLS 4040: Clinical Serology
- 5 \_\_\_\_\_ MLS 4050: Applied Clinical Hematology
- 11 \_\_\_\_\_ MLS 4060: Applied Clinical Chemistry
- 5 \_\_\_\_\_ MLS 4070: Blood Bank
- 1-3 \_\_\_\_\_ MLS 4700: Research & Special Topics