

Worksheet for Clinical Laboratory Science Majors

Courses

Number and title	Cr.	Sem./yr	Grade
Biol. 1211 Intro. Biol. I	4		
Biol. 1212 Intro. Biol. II	4		
Biol. 2110 Human Anat. Phys.	5		
Biol. 2375 Molecular Genetics	4		
Biol. 2385 Mol. Gen. Lab	3		
Biol. 3300 Intro. to Hematology	3		
Biol. 3580 Immunology	5		
Biol. 3710 Microbiology	4		
Biol. 3755 Medical Microbiology	3		
Biol. 4210 Parasitology	4		
Chem. 1211 Princ. of Chem. I	4		
Chem. 1212 Princ. of Chem II	4		
Chem. 2311 Organic Chem I	3		
Chem. 2371 Organic Chem. Lab	1		
Chem. 3411 Biochemistry I	3		
Chem. 3471 Biochemistry I lab	1		
Math 1170 College Algebra OR Math 1470 Precalculus	3-5		
Math 2610 Applied Statistics OR Psc 3301 Intro. Stats.	4		
Clinical Year Courses (taken at UND or affiliated hospitals)	36-37		

Note: Courses in **BOLD** may not be offered every year. Most of these courses are available via distance education through the University of North Dakota.

CHEM 2312 Organic Chemistry II and CHEM 2372 Organic Chemistry Laboratory II, are recommended, if you can fit them in your schedule.

Clinical year courses, taken during the senior year beginning with summer term, are taken through entrance into the clinical year program at the University of North Dakota, or at affiliated hospitals.

Note: A clinical year position is not guaranteed. Students must apply for a clinical year position by October 1 of the junior year. Please see advisor regarding the clinical year of study. A gpa of 3.0 is typically required for entry into the clinical program.

Minnesota law requires that any person who provides services that involve direct contact with patients and residents at a health care facility licensed by the Minnesota Department of Health have a background study conducted by the state. An individual who is disqualified from having direct patient contact as a result of the background study, and whose disqualification is not set aside by the Commissioner of Health will not be permitted to participate in a clinical placement and will not qualify for a degree in this program. See program director for details regarding the implementation procedure.

Liberal Education (42 credits required)

Number and title	Cr.	Sem./yr	Grade
Category 1 Communication College Writing I College Writing II	3 3		
Category 2 Completion of other requirements	--	--	-
Category 3 Nat. Sciences (Biol. 1211, 1212)	8		
Category 4 Mathematics Math 1170 or 1470 recommended			
Category 5 (2 courses, 6 cr.)			
Category 6 (2 courses, 5 cr.)			
Category 7 (1 course, 2 cr.)			
Category 8 (1 course, 3 cr.)			
Category 9 (1 course, 2 cr.)			
Category 10 (1 course, 3 cr.) People and the Environment	3		
Category 11 (1 course, 1 cr.)			

NOTE: 128 credits are required for graduation

* This worksheet is intended as a guide to assist you in planning your program. The ultimate source of information on degree requirements is the college catalog, which you should always use to verify any information described in this worksheet.

Suggested schedule of classes for CLS majors

Freshman

BIOL 1211 Introductory Biology I
BIOL 1212 Introductory Biology II
BIOL 2110 Human Anatomy and
Physiology
CHEM 1211 Principles of Chemistry I
CHEM 1212 Principles of Chemistry II
MATH 1170 College Algebra
or MATH 1470 Precalculus
ENGL 1101 College Writing I
ENGL 1102 College Writing II
Other Liberal Education coursework

Sophomore

BIOL 2375 Molecular Genetics
BIOL 2385 Molecular Genetics Lab.
BIOL 3300 Introduction to Hematology
CHEM 2311 Organic Chemistry I
CHEM 2371 Organic Chem. Laboratory I
BIOL 3710 Microbiology
BIOL 3755 Medical Microbiology
Liberal Education courses

Junior

BIOL 3580 Immunology
BIOL 4210 Parasitology
CHEM 3411 Biochemistry I
CHEM 3471 Biochemistry Laboratory I
MATH 2610 Applied Statistics
or PSY 3301 Introduction to Statistics and
Research
Complete Liberal Education coursework

Senior

Clinical year courses

Note: Courses listed in **BOLD** may not be offered every year, so you may need to take them either your sophomore or junior year. Some of these courses may need to be taken via distance education through the University of North Dakota.